EXPRESSION OF INTEREST

FOR

Selection of Back-end Consortium Partner for "Establishment of Cyber Investigation and Digital Assistance Labs (CIDAL) on a Turnkey basis 2.0"

EOI No. BECIL/PROJ/BT/CIDAL/UP POLICE/26-27/EOI

Dated: 05.09.2026

Issued By

Mr. Binay Kumar Tiwari (DGM)

Broadcast Engineering Consultants India Limited
(A Government of India Enterprise)
CIN No. : U32301UP1995GOI017744

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DISCLAIMER

The information contained in this Request for Proposal document (the "EOI") or subsequently provided to Bidder(s), whether verbally or in documentary or any other form by or on behalf of BECIL or any of its employees or advisors, is provided to Bidder(s) on the terms and conditions set out in this EOI and such other terms and conditions subject to which such information is provided. This EOI is not an agreement and is neither an offer nor invitation by BECIL to the prospective Bidders or any other person. The purpose of this EOI is to provide interested parties with information that may be useful to them in making their offers (Bids) pursuant to this EOI. This EOI includes statements, which reflect various assumptions and assessments arrived at by BECIL in relation to the Project. Such assumptions, assessments and statements do not purport to contain all the information that each Bidder may require. This EOI may not be appropriate for all persons, and it is not possible for BECIL, its employees or advisors to consider the investment objectives, financial situation and particular needs of each party who reads or uses this EOI. Each Bidder should, therefore, conduct its own investigations, actual site/ facilities/location inspections and analysis and should check the accuracy, adequacy, correctness, reliability and completeness of the assumptions, assessments, statements and information contained in this EOI and obtain independent advice from appropriate sources. Information provided in this EOI to the Bidder(s) is on a wide range of matters, some of which may depend upon interpretation of law. The information given is not intended to be an exhaustive account of statutory requirements and should not be regarded as a complete or authoritative statement of law. BECIL accepts no responsibility for the accuracy or otherwise for any interpretation or opinion on law expressed herein. BECIL, its employees and advisors make no representation or warranty and shall have no liability to any person, including any Applicant or Bidder under any law, statute, rules or regulations or tort, principles of restitution or unjust enrichment or otherwise for any loss, damages, cost or expense which may arise from or be incurred or suffered on account of anything contained in this EOI or otherwise, including the accuracy, adequacy, correctness, completeness or reliability of the EOI and any assessment, assumption, statement or information contained therein or deemed to form part of this EOI or arising in any way for participation in this Bid Stage. BECIL also accepts no liability of any nature whether resulting from negligence or otherwise howsoever caused arising from reliance of any Bidder upon the statements contained in this EOI. BECIL may in its absolute discretion, but without being under any obligation to do so, update, amend or supplement the information, assessment or assumptions contained in this EOI. The issue of this EOI does not imply that BECIL is bound to select a Bidder or to appoint the Selected Bidder for the Project and BECIL reserves the right to reject all or any of the Bidders or Bids without assigning any reason whatsoever. The Bidder shall bear all its costs associated with or relating to the preparation and submission of its Bid including but not limited to preparation, copying, postage, delivery fees, expenses associated with any demonstrations or presentations which may be required by BECIL or any other costs incurred in connection with or relating to its Bid. All such costs and expenses will remain with the Bidder and BECIL shall not be liable in any manner whatsoever for the same or for any other costs or other expenses incurred by a Bidder in preparation or submission of the Bid, regardless of the conduct or outcome of the Bidding Process. In case of any rejection/cancellation, no bidder has any right to claim any compensation or reimbursement to cost. Participation in EOI does not guarantee selection of bidder.

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SECTION –I

INTRODUCTION AND BRIEF DESCRIPTION

1. INTRODUCTION

Broadcast Engineering Consultants India Limited (BECIL), an ISO 9001:2015, 27001:2013, ISO/IEC 2000:2012 certified Mini Ratna Central Public Sector Enterprise (CPSI) was incorporated on 24th March, 1995 under the Companies Act, 2013 (erstwhile the Companies Act, 1956) by Government of India with 100% equity share capital of BECIL held by President of India through Secretary and Joint Secretary of Ministry of Information & Broadcasting.

The Company was initially set up for providing project consultancy services and turnkey solutions encompassing the entire gamut of radio and television broadcast engineering, establishment of transmission facilities, content production facilities, terrestrial, satellite and cable broadcasting in India and abroad. The company has now diversified into the fields of Strategic Projects such as Information Communication.

Technology, Electronic Surveillance (namely CCTV, Access Control, Intrusion, Fire Safety, Hydrants, etc.). Electronic Media contents including films, Sentinel Analytics, Counter Drones/UAV etc. The activities include, but are not limited to Supply, Installation, Testing & Commissioning, Consultancy Services, Technical Audit, Media Analysis, R&D, projects pertaining to Digital India, City Surveillance, Safe City. Smart City, Make in India, Manufacturing, Audio Video & Data Analysis, Cyber Security, Engineering, Procurement & Construction, Project Management Services, Operation and Maintenance, Manpower Placement, AMC and providing total turnkey project for critical information infrastructure.

BECIL, has its Head Office in New Delhi, Corporate Office in Noida and Regional Office in Bangalore and Kolkata. BECIL is exploring geographical expansion in many states due to diversification in business portfolios.

Over the years, BECIL has consciously groomed and developed a team of in-house, versatile and dedicated engineers and also cultivated and harnessed a vast reservoir of professionals drawn from various fields of Broadcasting Industry, which include public and private Broadcasters, Defense and Cable Industry. Through this network of resourceful technical professionals, BECIL, has established its pan India presence to serve the needs of the industry.

BECIL has a vast reservoir of experts and integrates the expertise of All India Radio (AIR) and Doordarshan (DD), the national broadcaster of India, catering to one of the largest Radio Networks reaching out to more than a billion people and the world's largest Terrestrial Television Network supplemented by Analogue and Digital satellite Broadcasting services reaching out to millions of TV homes in India and abroad.

2. INTRODUCTION OF PROJECT/TENDER

UP Police, Cyber Crime Headquarter has floated a RFP. GEM/2026/B/7987659 dated: 02/09/2026 for Establishment of Cyber Investigation and Digital Assistance Labs (CIDAL) on a Turnkey basis 2.0.

3.1 ELIGIBLE BIDDERS

That the Prospective Bidder/consortium or its Allied firm or sister concern should not be blacklisted/de-barred or put on holiday, by BECIL or any other Public sector Enterprise or a Government Body, as on the date of submission of the bid.

That the Bid submitted by any of the Bidder/consortium, who is found to be blacklisted/ debarred or on a Holiday list shall be out rightly rejected.

That in the event, if the Bidder chooses to be discreet and conceal about its status or about the status of any of its Allied/Sister concern of being debarred, then it shall be construed as a misrepresentation of facts and shall lead to an appropriate action by BECIL.

That the Bidder should not be undergoing any liquidation/insolvency proceedings on the due date of the submission of the bid. In case of any change in the status of declaration by the Bidder, the same shall be notified by BECIL to the Bidder in a span of seven days from the date of initiation of proceeding.

3.2 COST OF BIDDING

The Bidder shall be responsible to bear any costs associated with the preparation and submission of the Bid, and BECIL in no case, shall be responsible or liable for costs, inclusive of but not limited to bank charges, courier charges, site visits, expenses incurred for the purpose of demonstration and representation as desired by BECIL in order to assess the efficiency of the prospective Bidder, or any other expenses incurred for the submission of the Bid. That the Bidder shall be responsible for the costs/expenses regardless of the outcome of the bidding process.

3.3 ASSURANCE

The successful Bidder shall have to provide requisite documentation and satisfactory assurance of its capability and intention in regard to the supply of the goods and/or performance of the requisite scope of work/services pursuant to the award of the Contract within the time set forth herein

3.4 SITE VISIT

It shall be the responsibility of the Bidder to visit the Premises/Site wherein the work is to be performed or services is to be delivered to obtain all the requisite information that is necessary/essential for preparing the Bids and entering into a Contract. The cost of visiting the Site shall be borne by the Bidder.

The grant of permission by BECIL to the Bidder or its Authorized Representative , for the purpose of Site visit shall be contingent on the express condition that the Bidder and its representatives/agents shall indemnify the Company i.e. BECIL and its personnel from and against all liability in respect thereof and will be responsible for personal injury (whether fatal or otherwise), loss of or damage to property and any other loss, damage, costs and expenses however caused, which, but for the exercise of such permission would not have arisen. That in the event if the Bidder fails to visit the site, it shall not relieve it from the performance of its scope of work/obligations as per the Contract

3.5 CONTENTS OF THE BIDDING DOCUMENT

That the set of Bidding Documents, include the Annexures given herein below in addition to the Invitation for Bid, together with any amendment/addendum

i. Annexure -I Introduction and Brief Description
ii. Annexure II- Schedule Of Dates
iii. Annexure III- General Terms and Conditions
iv. Annexure IV- Scope of Work and Specification
v. Annexure V- Bid Evaluation and Matrix
vi. Annexure VI- Enclosures and Forms

3.6 CLARIFICATION OF BIDDING DOCUMENT

For any clarification related to using the portal, you may visit the below link:

https://becil.ewizard.in

(i) Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.

(ii) Any queries relating to the process of online bid submission or queries relating to e- tender Portal in general may be directed to the Helpdesk Support.

(iii) Please feel free to contact ewizard helpdesk (as given below) for any query related to

E-tendering Phone No. 011-49606060

Mail id: - helpdesk@ewizard.com

3.7 ADDENDUM/AMENDMENT TO THE BIDDING DOCUMENT

At any time prior to the deadline for the submission of the Bids by the Bidders, BECIL shall have the discretion to amend the bid at its own initiative or in sub-sequence to a clarification sought by the prospective Bidder.

The Amendment / Addendum shall form a part of the Bidding Document pursuant to clause 10 and clause 43 of the General terms and Conditions and the same shall be notified on the said procurement portal, so that the said addendum/amendment becomes binding on all the prospective bidders.

In the event of an Addendum/Amendment to the Bidding Document, the prospective Bidders shall be provided with a reasonable time for the purpose of preparation of their bids.

3.8 LANGUAGE OF THE BID

That the Bid and all correspondences and communication in connection with this Bid shall be in English language. The supporting documents to be submitted by the Bidder may be in another language provided they are accompanied by a certified translation. However, BECIL may also translate the documents on its own to avert the possibility of any irregularity and ambiguity.

3.9 EARNEST MONEY DEPOSIT

EMD/ Bid Security: The Bid Security amounting to Rs. 1,00,00,000/- (Rupees One Crore Only) will be submitted with bid by all the bidders in the form of BG/ online transfer / Surety Bond **(The EMD shall be valid for a period as per Bid validly).**

The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD.

In case of forfeiture of EMD/ Bid Security, the forfeited amount will be considered inclusive of tax and tax invoice will be issued by UP POLICE. The forfeiture amount will be subject to final decision of UP POLICE based on other terms and conditions of order. EMD/Bid Bond will not be accepted in case the same has reference of 'remitter'/'financer' other than bidder on the aforementioned financial instrument of EMD/ Bid Bond submitted by the bidder and bid of such bidder will be summarily rejected.

The EMD will be refunded, in case work is awarded to BECIL on the submission of Performance Bank Guarantee and in case of unsuccessful bid, immediately after the fact came to BECIL knowledge. That the Earnest money deposit has been sought with an intent to protect the interests of M/s BECIL against the conduct of the Bidder which shall warrant the forfeiture of the earnest money deposit.

That any Bid not secured in accordance with Earnest Money Deposit will be rejected by BECIL by virtue of being un-responsive. That the Earnest money deposit of all the Unsuccessful Bidders shall be discharged/returned not later than 45 days after the finalization of the tendering process, whereas the Earnest money deposit of the unsuccessful Bidder shall be discharge upon signing the Work Order/Agreement or upon acknowledging the award and on furnishing of the Performance bank guarantee/ Security deposit.

Notwithstanding any contained in the Contract, the Earnest money deposit shall be forfeited in the following circumstances-:

i. In the event of withdrawal of bid, by the Bidder during the bid validity period
ii. If the Bidder is found indulgent in fraudulent/collusive and coercive practice
iii. In the event if the Bidder modifies the bid after the due date and time for the submission of the Bids
iv. In the case of successful Bidder, if the Bidder fails to sign the work order/Agreement
v. In case if the Bidder fails to furnish the Performance bank guarantee/ security.

3.10 INTENT AND IMPORTANT ASPECTS OF THE EXPRESSION OF INTEREST (EOI)

The Intent and important aspects of this Expression of Interest is (EOI) are as follows: -

BECIL intends to onboard Bank-end Consortium Partner(s). The selected partner(s) will support BECIL in the execution of Tender No. GEM/2026/B/7987659 dated: 02/09/2026 titled 'Establishment of Cyber Investigation and Digital Assistance Labs (CIDAL) on a Turnkey basis 2.0".

The intent of this EOI is to select Back-end Technology Partner(s)/consortium Partner(s) of BECIL, to subsequently work with BECIL for the above-mentioned tender, if work gets awarded to BECIL. An MOU/ Agreement will be signed by BECIL with the Back-end Technology partner(s)/consortium Partner(s) selected through this EOI, for preparation of bid and/ or participation in the above-mentioned tender.

In such a scenario, the following conditions will be applicable, which are to be fully taken into consideration by the bidders, prior submitting a response to this EOI:-

The Back-end Technology partner(s)/consortium Partner(s) selected through this EOI, will undertake the work as per the above mentioned client's tender, in accordance with roles and responsibilities as enumerated in the agreement to be signed with the Back-end Technology partner(s)/consortium Partner(s).

The back-end Bidder / Consortium should possess valid patent / copyright / licence / authority as required, for the products (including software) being supplied / used in the project.

All terms and conditions of the client's tender, and any subsequent amendments/ corrigenda thereof, will be applicable fully on back to back basis on the Back-end Technology partner(s)/consortium Partner(s) selected through this EOI, including all important terms and conditions like EMD, PBG, Payment Terms, SLA conditions, Liquidity Damages, and any other penalties etc.

3.11 Performance Bank Guarantee (PBG):

In case the said tender is awarded to BECIL, the PBG as applicable shall be payable by the selected bidder on back to back basis of equivalent amount as per the terms and conditions of Client's Tender. The bidder must submit an undertaking in the bid stating that "they will provide the PBG in accordance with the timeline and the terms and conditions outlined in the client's tender.

All payments in the Project to the selected Back-end Technology partner(s)/consortium Partner(s) **shall be on back-to-back basis only subject to receipt of corresponding payment from the client. An advance payment may be made to the selected** Back-end Technology partner(s)/consortium Partner(s)**, only if BECIL, receives an advance from the customer, provided the selected agency submits a bank guarantee (BG) of 110% of amount to BECIL in addition to the PBG.**

Further, Client's RFP has a provision for submitting BG, for release of payment as per the payment milestones. Such BGs are also to be submitted to BECIL by the Back-end Technology partner(s)/consortium Partner(s) on a back to back basis.

The decision to engage the successful bidder as Back-end Technology partner(s)/consortium Partner(s) shall be taken by the Competent Authority of BECIL and accordingly the respective agreement shall be signed.

Bidders are advised to go through the Scope of Work and terms & condition of the said tender to understand the requirement and challenges associated with locations prior to submitting their bids.

The selected Back-end Technology partner(s)/consortium Partner(s) shall not subcontract, assign, or transfer any part of its obligations, duties, or responsibilities to any third party without the prior written consent of BECIL. Any attempt to do so shall be considered a material breach, leading to immediate termination without any liability on the part of BECIL.

SECTION –II

IMPORTANT DATES (SCHEDULE AND CRITICAL DATES

4.1 IMPORTANT DATES (SCHEDULE AND CRITICAL DATES

S. N	ACTIVITY	SCHEDULED DATE & TIME
1.	**EOI Number**	**BECIL/PROJ/BT/CIDAL/UP POLICE/26-27/EOI**
2.	**Date of Issue of EOI**	**05.09.2026**
3.	**Last date and Time for Submission of bids**	**09.09.2026 @ 12:30 PM**
4	**Availability of Document**	https://www.becil.com; https://becil.ewizard.in
5	**E-tender Portal Fee** (Non-refundable)	INR 3,540/- E-tender Portal Fee (non-transferrable & non- refundable) payable through online e-Portal
6	**Bidder Enrolment Fee** (Non-refundable)	INR 2360/- Bidder Enrolment Registration fee (non- transferrable & non-refundable) payable through online e- Portal
7.	**RFP document Fee (Form Fee) (Non-Refundable)**	INR 17,700/- (incl GST) Form Fees (non- transferrable & non-refundable) payable through online e-Portal
8.	**EMD/ Bid Security**	INR **1,00,00,000**/- to be submitted with the bid. For detail refer clause 3.9
9.	**Address for Communication of bids**	BECIL Bhawan, C-56 / A -17, Sector - 62, Noida – 201307.
10.	**Contact details for this EOI**	Sh. Binay Kumar Tiwari, DGM Tele- 0120-4177850 Email- binaytiwari@becil.com

4.2. INSTRUCTIONS FOR E-TENDERING PORTAL OF BECIL

4.2.1 E-TENDER PORTAL FEE

The bidder has to pay a non-refundable **e-tender portal fee amounting to ₹ 3540/-** (Non-refundable) by way of on-line payment on e-tender portal before submission of the proposal.
SUBMISSION OF THE PROPOSAL

The bidders are advised to study the RFP document carefully. Submission of proposals shall be deemed to have been done after careful study and examination of the RFP document with full understanding of its implications. Bidders shall have to submit their proposal (Technical and Financial) online through the e-tendering website **https://becil.ewizard.in**

4.2.2 E-TENDERING PROCEDURE

(i) E-Procurement is the complete process of e-tendering from publishing of tenders online, inviting online bids, evaluation and award of contract using the system. You may keep a watch of the tenders floated under **https://becil.ewizard.in**. These will be invited for online Bids. Bidder Enrolment can be done using "Bidder Enrolment".

(ii) The instructions given below are meant to assist the bidders in registering on the e-tender Portal, and submitting their bid online on **https://becil.ewizard.in** the e-tendering portal as per uploaded bid.

(iii) More information useful for submitting online bids on may be obtained at: **https://becil.ewizard.in**

4.2.3 GUIDELINES FOR REGISTRATION ON PORTAL

(i) Bidders are required to enroll on the e-Procurement Portal by clicking on the link "Online Bidder Enrolment" on the e-tender Portal by paying the **Registration fee of Rs. 2360/- (inclusive of taxes).**

(ii) As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.

(iii) Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication with the bidders.

(iv) Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Only Class III Certificates with signing + encryption key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / TCS / nCode / eMudhra etc.), with their profile. Or bidders can contact our help desk for getting the DSC.

(v) Only valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC's to others which may lead to misuse.

(vi) Bidder then logs in to the site through the secured log-in by entering their user ID /password and the password of the DSC /e-Token.

(vii) The scanned copies of all original documents should be uploaded in pdf format on portal **https://becil.ewizard.in**

(viii) After completion of registration payment, bidders need to send their acknowledgement copy on our **help desk mail ID: helpdesk@ewizard.com** for activation of your account.

Helpdesk Number : Tel 011-49606060 , 9355030616, 9560364871

4.2.4 SEARCHING FOR TENDER DOCUMENTS ON PORTAL

(i) There are various search options built in the e-tender Portal, to facilitate bidders to search active tenders by several parameters.

(ii) Once the bidders have selected the tenders they are interested in, you can pay the form fee and processing fee (NOT REFUNDABLE) by net-banking / Debit / Credit card then you may download the required documents / tender schedules, Bid documents etc. Once you pay both fee tenders will be moved to the respective 'requested' Tab. This would enable the e- tender Portal to intimate the bidders through e-mail in case there is any corrigendum issued to the tender document.

4.2.5 PREPARATION OF BIDS ON PORTAL

(i) Bidders should take into account any corrigendum published on the tender document before submitting their bids.

(ii) Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid.

(iii) Bidders, in advance, should get ready the bid documents to be submitted as indicated in the tender document /schedule and generally, they can be in PDF formats. Bid Original documents may be scanned with 100 dpi with Color option which helps in reducing size of the scanned document.

(iv) To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, GST, Annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use "My Documents" available to them to upload such documents.

(v) These documents may be directly submitted from the "My Documents" area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

4.2.6 SUBMISSION OF BIDS ON PORTAL

(i) Bidder should log into the website well in advance for the submission of the bid so that it gets uploaded well in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.

(ii) The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document as a token of acceptance of the terms and conditions laid down by BECIL.

(iii) Bidder has to select the payment option as "e-payment" to pay the tender fee / EMD as applicable and enter details of the instrument.

(iv) Bidders are requested to note that they should necessarily submit their financial bids in

the format provided and no other format is acceptable. If the price bid has been given as a standard BOQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BOQ file, open it and complete the white colored (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BOQ file is found to be modified by the bidder, the bid will be rejected.

(v) The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.

(vi) The uploaded tender documents become readable only after the tender opening by the authorized bid openers. Upon the successful and timely submission of bid click "Complete" (i.e. after Clicking "Submit" in the portal), the portal will give a successful Tender submission acknowledgement & a bid summary will be displayed with the unique id and date & time of submission of the bid with all other relevant details. The tender summary has to be printed and kept as an acknowledgement of the submission of the tender. This acknowledgement may be used as an entry pass for any bid opening meetings.

4.2.7 CLARIFICATION

For any clarification related to using the portal, you may visit the below link:

https://becil.ewizard.in

(i) Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.

(ii) Any queries relating to the process of online bid submission or queries relating to e-tender Portal in general may be directed to the Helpdesk Support.

(iii) Please feel free to contact ewizard helpdesk (as given below) for any query related to

E-tendering Phone No. 011-49606060

Mail id: - helpdesk@ewizard.com

SECTION –III

EOI NOTICE & GENERAL TERMS AND CONDITION

5 EOI NOTICE

5.1 Broadcast Engineering Consultants India Limited (BECIL) invites Expression of Interest (EOI), through online mode, for selection of a Back end Technology partner of BECIL, for collaborating with BECIL for participating in Tender No. GEM/2026/B/7987659 dated: 02/09/2026 Titled Establishment of Cyber Investigation and Digital Assistance Labs (CIDAL) on a Turnkey basis 2.0**.**

5.2 The EOI must be submitted in English Only. All the documents including the supporting documents/ enclosures etc. must be Calibri/ Aerial/ Times New Roman, font size-12 and fully legible. Supporting documents if in a language other than English must be accompanied by an English translated document. The English version shall prevail in matters of interpretation. EOI Documents which are not legible shall be rejected.

5.3 The representative of agency will require a specific authorization/ board resolution to submit the EOI.

5.4 In case the bidder has any doubt about the meaning of anything contained in the EOI document/pre-bid queries, they shall seek clarification within 2 days of issue of EOI. Except for any written clarification by Shri Binay Tiwari, DGM, BECIL, no written or oral communication, presentation or explanation by any other employee of BECIL shall be taken to bind or fetter BECIL under the contract. In case of such clarification or otherwise, the extension in the bid submission date of the EOI shall be entirely on the discretion of BECIL taking into the consideration of end client's tender submission due date.

5.5 The Management of BECIL reserves the right to amend or withdraw any of the terms and conditions mentioned in the EOI Document or reject any or all the bids without giving any notice or assigning any reason. The decision of the CMD, BECIL in this regard shall be final and binding on all.

5.6 BECIL reserve the right to amend any term of the EOI at any point of time before the submission and bidder should regularly check the website. Further, BECIL also reserves to increase/ decrease/ delete/ add any BOQ item. Further any amendment done by client after the selection of bidder, all the amendment will be applicable. In case of non-acceptance of such amendment, the EMD submitted will be forfeited by BECIL and blacklisting of agency may be done for a minimum period of 3 years from participating in BECIL EOI/tenders

5.7 The bidder should submit the signed Integrity Pact on a plain paper along with the bid.

5.8 The Bidders will have no right to withdraw from the EOI process post submission of their bid without the formal consent of BECIL.

5.9 Participation in the EOI by any bidder will be on "NO COST NO COMMITMENT" basis. The Bidder shall bear all cost associated with the preparation and submission of the Bid including but not limited to Documentation Charges, Bank charges, all courier charges, translation charges, authentication charges and any associated charges including taxes & duties thereon. Further, BECIL will in no case be responsible or liable for these costs, regardless of the outcome of the bidding process.

5-10 For Consortium : Allowed (only two member) :

It is clarified that the lead member shall be BECIL. EOI is allowed for consortium bidding for 1+1 member so that while bidding against client tender maximum members are capped as 3 only (in line with client tender).The consortium composition shall remain unchanged after bid submission, except in specified cases subject to prior approval of the Department.

It is to be noted that there would be two (2) consortium agreement under this EOI. First consortium agreement would be signed between the 2 parties/vendors bidding in response to BECIL EoI. This agreement would be signed between the two parties while bidding in response to BECIL EoI, and would be submitted as part of their bid response.

The second agreement would be the one that BECIL would sign as 'Lead Member' while responding to the client RFP as a Consortium. This should be clarified clearly in the EoI.

6 SUBMISSION OF EOI

6.1 EOI, complete in all respects, must be submitted online on the https://becil.ewizard.in.

6.2 BECIL may, at its own discretion, extend the date for submission of EOI. In such a case all rights and obligations of BECIL and the bidders shall be applicable to the extended time frame.

6.3 As the EOI can be submitted only up to the defined date and time, there can't be any late bids.

6.4 At any time prior to the last date for receipt of EOI, BECIL may for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify the EOI document by an amendment. The amendment will be notified on BECIL's website **http://www.becil.com & https://becil.ewizard.in** and should be taken into consideration by the prospective bidders while preparing their EOI.

6.5 The bidders will bear all costs associated with the preparation and submission of their bids. BECIL will, in no case, be responsible or liable for those costs, regardless of the conduct or outcome of the tendering process.

6.6 The bidder shall ensure that it fulfills the eligibility criteria as desired in the EOI and other essential conditions. Compliance statement of Eligibility criteria with the documents submitted as a proof is to be prepared and submitted. The supporting documents may be with list of existing and past clients with details of services offered, details of similar projects executed.

6.7 The EOI should be duly signed on each page by authorized person. Documents authorizing the signatory /Power of Attorney must accompany the bid.

6.8 The EOI complete in all respects must be submitted with requisite information and annexure(s). The EOI should be free from ambiguity, change or interlineations. In complete EOI will not be considered and is liable to be rejected without making any further reference to agency/ bidder

6.9 Bidders have to take into account any changes/ amendments made in the end client's tender/ RFP through corrigendum till date of submission of bid in response of EOI.

6.10	**Checklist of documents/information to be submitted**	
	(a)	Bidder Particulars as per format.
	(b)	Certificate of Incorporation (for Company/LLP/Proprietorship)

	(c)	Memorandum & Articles of Association/Partnership deed/Proprietorship declaration
	(d)	Audited financial statements for the last 3 years i.e. FY 2022-23; 23-24; 24-25.
	(e)	ITR Acknowledgment for last 3 years i.e. FY 2022-23; 23-24; 24-25
	(f)	Undertaking to provide the PBG in accordance with the timeline and the terms and conditions outlined in the client's tender
	(g)	GST Registration Certificate
	(h)	Copy of PAN Card
	(i)	Any other relevant registration documents on registration with other appropriate authorities (ESIC, EPFO, Labour deptt etc.)
	(j)	Power of Attorney authorizing the person signing the bid for this EOI.
	(k)	Undertaking in letter head to indemnify BECIL from any claims / penalties / statutory charges, liquidated damages, with legal expenses etc.
	(l)	Undertaking in compliance to Office Memorandum No. F. No. 6/18/2019-PPD, Dated 23-07-2020, Department of Expenditure, Ministry of Finance as per Clause 10 below.
	(m)	All the requisite documents in the prescribed formats placed at Annexures to this EoI
	(n)	Pre-Contract Integrity Pact as per Annexure-A
	(o)	All the documents in support of Technical criteria like Experience Certificates, PO, proposed Makes for the solution, Solution architecture (if asked) and other documents as required.
	(p)	Declaration regarding acceptance of Terms and conditions of EOI.
	(q)	Undertaking for compliance with signing of Non-disclosure agreement as per clause 39 below.
	(r)	Undertaking for payment of EMD/ Bid Security if selected
	(s)	Undertaking regarding absence of Conflict of Interest as per clause 14 below
	(t)	Consortium agreement in case where bidder is consortium

7 OPENING OF EOI

7.1 The bids submitted against this EOI shall be **opened on 09.09.2026 at 01.00 PM**. BECIL reserves the right to change the date of opening of bid.

7.2 Bidders who wish to attend opening of EOI may visit BECIL for the same at the designated time, with authorization in proper format on bidder's letter head.

8. RELATIONSHIP BETWEEN THE PARTIES

Nothing contained herein, shall be construed as establishing a relation of master and servant or of Agent and Principal as between the Bidder/Agency and BECIL.

9. INTELLECTUAL PROPERTY RIGHTS:

9.1 Deliverable, outputs, plans, drawings, specifications, designs, reports and other documents and software submitted by the Bidders under this EOI and subsequent to this EOI in relation with this tender shall become and remain the property of BECIL/procuring entity and subject to laws of copyright, must not be shared with third parties or reproduced, whether in whole or part, without BECIL's/ the procuring entity's prior written consent.

9.2 The Bidder shall, not later than upon termination or expiration of this Contract and/or subsequent Agreement/Contract signed with the Bidder, deliver all such documents and software to BECIL/the procuring entity, together with a detailed inventory thereof.

9.3 The Bidder shall not incorporate any materials, technology or any item or thing that involves the use of intellectual property rights or proprietary rights that the Bidder does not have the right to use or that may result in claims or suits against BECIL arising out of claims of infringement of any intellectual property rights or other proprietary rights.

9.4 The Bidder shall perform all acts necessary to obtain and continue to have all necessary licenses, approvals, consents of third parties free from any encumbrances and all necessary technology, hardware and software to enable it to perform its obligations under this Contract. If license agreements are necessary or appropriate between the Bidder and third parties for purposes of enabling, enforcing or implementing the provisions hereinabove, the Bidder shall be under an obligation to enter into such agreements at its own sole cost, expense and risk.

10 LAND AND BORDER PROVISION

10.1 The Undertaking at Annexure-K shall be submitted by the Bidder in line with the guidelines issued vide the Office Memorandum, No. F. No. 6/18/2019 dated 23.07.2020, by the Department of Expenditure, Ministry of Finance, Govt. of India.

11 INDEMNITY

11.1 The Bidder shall indemnify, save, hold harmless and defend BECIL and its officers, servants, employees and agents promptly upon demand and at its expense, from and against any and all suits, proceedings, actions, demands, losses, claims, damages, liabilities, costs (including reasonable attorney's fees and disbursements) and expenses (collectively, "Losses") to which

BECIL may become subject, insofar as such losses arise out of, in any way relate to, arise or result from:

a) Deficiency in the Bidder's performance of its scope of service of breach of any of its obligations or scope of work.
b) Actions by the Bidder that causes BECIL to be indirect or direct consequential, breach of the main contract.
c) Any claims by employees, suppliers, creditors or other persons in a relationship with the Bidder.
d) Any claims of infringement , misappropriation or otherwise by third parties in regard to the execution of the works.

12 CODE OF INTEGRITY

12.1 No official of BECIL or the Bidder shall act in contravention of the codes which includes Prohibition of:

a) Offering of any bribe or undue gratification in any form to BECIL/Client or its officials, or indulging in any corrupt practices.

b) Any omission, or misrepresentation that may mislead or attempt to mislead so that a financial or other benefit may be obtained, or any necessary obligation or pre-requisite may be avoided.

c) Improper use of information provided by BECIL to the Bidder with an intent to gain an unfair advantage in the procurement process or for personal gain.

d) Any financial or business transactions between the Bidder and any official of BECIL/Client related to tender or execution process of contract, which can affect the decision of BECIL directly or indirectly.

e) Any coercion or any threat to impair or harm, directly or indirectly, any party or its property to influence the procurement process.

f) Obstruction of any investigation or auditing of a procurement process.

g) Making false declaration or providing false information for participation in a tender Process or to secure a contract.

13 CONFLICT OF INTEREST

Any Bidder having a conflict of interest, which substantially affects fair competition, shall not be eligible to bid in this tender. Bids found to have a conflict of interest shall be rejected as non-responsive. Bidder shall be required to declare the absence of such conflict of interest in Form of Declaration. A bidder in this Tender Process shall be considered to have a conflict of interest if the bidder:

a) Directly or indirectly controls, is controlled by or is under common control with another Bidder; or

b) Receives or have received any direct or indirect subsidy/ financial stake from another Bidder; or

c) Has the same legal representative/ agent as another Bidder for purposes of this bid. A Principal can authorize only one agent, and an agent also should not represent or quote on behalf of more than one Principal. However, this shall not debar more than one Authorized distributor from quoting equipment manufactured by an Original Equipment Manufacturer (OEM), in procurements under Proprietary Article Certificate; or

d) Has a relationship with another bidder, directly or through common third parties, that puts it in a position to have access to information about or influence the bid of another Bidder or influence the decisions of the Procuring Entity regarding this Tender process; or

e) Participates in more than one bid in this tender process. Participation in any capacity by a Bidder (including the participation of a Bidder as sub-contractor in another bid or vice- versa) in more than one bid shall result in the disqualification of all bids in which he is a party. However, this does not limit the participation of a non-bidder firm as a sub- contractor in more than one bid; or

f) Would be providing goods, works, or non-consulting services resulting from or directly related to consulting services that it provided (or were provided by any affiliate that directly or indirectly controls, is controlled by, or is under common control with that firm), for the procurement planning (inter-alia preparation of feasibility/ cost estimates/ Details Project Report (DPR), design/ technical specifications, terms of reference (ToR)/ Activity Schedule/ schedule of requirements or the Tender Document etc.)of this Tender process; or has a close business or family relationship with a staff of the Procuring Organization who:

(i) are directly or indirectly involved in the preparation of the Tender document or specifications of the Tender Process, and/or the evaluation of bids; or

(ii) would be involved in the implementation or supervision of resulting Contract unless the conflict stemming from such relationship has been resolved in a manner acceptable to the Procuring Entity throughout the Tender process and execution of the Contract.

14 UNDUE INFLUENCE

a. The Agency/Bidder undertakes that it has not given, offered or promised to give, directly or indirectly, any gift, consideration, reward, commission, fees, brokerage or inducement to any person in service of the BECIL/Client or otherwise in procuring the Contracts or forbearing to do or for having done or forborne to do any act in relation to the obtaining or execution of the present Contract or any other Contract with the Government of India for showing or forbearing to show favor or disfavor to any person in relation to the present Contract or any other Contract with the Government of India.

b. Any breach of the aforesaid undertaking by the Agency/Bidder or any one employed by it or acting on its behalf (whether with or without the knowledge of the Agency) or the commission of any offers by the Agency or anyone employed by him or acting on his behalf, as defined in the Bharatiya Nyaya Sanhita, erstwhile known as the Indian Penal Code, 1860 or the Prevention of Corruption Act, 1986 or any other Act enacted for the prevention of corruption

shall entitle BECIL to cancel the contract and all or any other contracts with the Agency and recover from the Agency the amount of any loss arising from such cancellation, from the present or from any other contract with BECIL.

15 UNLAWFUL/UNETHICAL PRACTICES

15.1 If the Contractor/ Bidder has engaged in corrupt, fraudulent, collusive and coercive practices or defaulted commitments under integrity.

15.2 Any intentional omission or misrepresentation in the documents submitted by the Bidder for the purpose of due diligence or for the execution of any act essential for the execution of the Project.

15.3 If the Bidder uses intimidation / threats or bring undue outside pressure on BECIL or any of its official for acceptance / performances of the deliverable/qualified work under the contract:

16 PENALTY FOR BREACH OF INTEGRITY, CONFLICT OF INTEREST, UNLAWFUL/UNETHICAL PRACTICES AND UNDUE INFLUENCE

16.1 Forfeiture of Bank guarantee or any other bond or bid security submitted by the Bidder.

16.2 Cancellation/ termination of the Contract with the liberty to recover the accrued losses/damages by the Bidder from the dues payable to the bidder in the present or any contract with BECIL, including imposition of penal damages.

16.3 Initiation of Arbitration /legal proceedings to recover losses or damages incurred by BECIL due to the violation of ethical practice or use of unlawful practices or use of undue influence by the Agency.

17 BLACKLISTING/ DEBARMENT

17.1 The Bidder/Contractor shall be debarred/blacklisted from bidding for the contract/tender floated by BECIL for a period of two years, for violation of the code of integrity, for undue influence as well as for the breach of any other terms and conditions of the tender as per the General Financial Rules 2017 and the Guidelines for debarment of firms from bidding issued by the Department of Expenditure, Ministry of Finance no. F1/20/2018 –PPD dated 02.11.2021.

18 RISK AND COST CLAUSE

18.1 In case of persistent breach/default of the terms and conditions of the Contract and due to abnormal delay (beyond the maximum late delivery in the Liquidated damages clause) in supplies, defective supplies or non-fulfilment of any of the terms and conditions of the RFP and the Work Order, BECIL may cancel the contract/Work Order in full or part thereof, and will procure supplies/equipment's or ensure the execution of work or any pending service in case of service contract from other willing vendor at the risk and cost of the Bidder.

18.2 Risk & Cost Clause, in line with Conditions of Contract may be invoked in any of the following cases:

18.3 Bidder's poor progress of the work vis-à-vis execution timeline as stipulated in the Contract, backlog attributable to Bidder including unexecuted portion of work/ supply does not appear to be executable within balance available period.

18.4 Withdrawal from or abandonment of the work by Bidder before completion of the work as per contract.

18.5 Non completion of work/ Non-supply by the Bidder within scheduled completion/delivery period as per RFP or as extended from time to time, for the reason attributable to the Agency/ Bidder.

18.6 Termination of Contract on account of any other reason (s) attributable to Agency/ Bidder

18.7 Assignment, transfer, subletting of Contract by the Agency/Bidder without BECIL's written permission resulting in termination of Contract or part thereof by BECIL.

18.8 Any damage to Client property not restored properly should be recovered from the running bills of the contractor and hence utmost precaution should be taken during the execution of the work. Client should have full liberty to get the damage rectified at the contractor's risk and cost.

14 PENALTIES

14.1 In the event of any penalties, deductions, disincentives, or charges levied by the Client due to poor or substandard quality of work, non-compliance with service standards, or any deficiencies related to the assigned scope of work, the same shall be recovered from the Bidder.

14.2 The Bidder shall bear the full financial responsibility for such penalties or deductions imposed on BECIL by the Client and will not be entitled to claim any reimbursement or adjustment for the same.

15 CONFIDENTIALITY

a. The Bidder recognizes, accepts and agrees that disclosure of Confidential information to the Staff shall be only on a need-to-know basis and only those staff who are involved in rendering the services and need to have access would alone be informed of Confidential information.

b. The Bidder recognizes, accepts and agrees that all tangible and intangible information obtained or disclosed to the Bidder's and/or its staff, including all details, documents, data, business/ customer information and the BECIL 's practices and trade secrets (all of which are hereinafter collectively referred to as "confidential information") which may be communicated to the Bidder 's and/or its facility staff may be privy under or pursuant to this Contract and/or in the course of performance of the Bidder 's obligations under this Contract shall be treated, as absolutely confidential and the Bidder irrevocably agrees and undertakes and ensures that all its facility staff shall keep the same as secret and confidential and shall not disclose the same at all in whole or part to any Person or persons (including legal entities) an any time or use nor

shall allow information to be used for any purpose other than that as may be necessary for the due performance of the Bidder's obligations hereunder except when
required to disclose under the due process and authority of law.

16 RIGHT TO INSPECTION

a. That BECIL and its field officers or its Auditors, shall have the right to carry out inspection checks and tests, and do audit of the Bidder's premises, personnel and records relating to the project in order to ensure there is no compromise on the quality of goods/services provided by the Bidder to the BECIL and its Client. The BECIL has a right to review and monitor the security practices and control procedures adopted by the Bidder. The Bidder shall produce and make available all such books, records, information, etc., related to project work for the purpose of Inspection/ audit as sand when required.

b. That BECIL shall have the right to review and monitor the performance of the Bidders on a continuous basis system integrator shall furnish necessary particulars, statements, etc., as desired by the BECIL in a periodical manner for the purpose of assessment of their performance.

17 TERMINATIONS

a. Termination of Contract by BECIL due to unsatisfactory performance

a) If the Bidder refuses or fails to execute the specified quantum of work or any separate part thereof with diligence or ensure its completion within the time specified in the RFP, or subsequent work order issued thereto, then it shall be open to BECIL at its option by written notice to the Agency/Bidder to:

b) To terminate the contract without prejudice to any other remedy available under the Contract. That a notice of cure, highlighting the deficiency or problem shall be served on the Agency /Bidder by BECIL, with an opportunity to cure the same within a period of 15 days. That on the non-resolution of deficiency, a notice of termination shall be served on the Agency/Bidder and the Contract shall be deemed terminated after a period of 15 days from the date of notice of termination.

b. Termination due to Breach

a) BECIL may, without prejudice to any other remedy available for the breach of contract, may terminate the contract in sub-sequence to non –resolution of deficiency after the service of a notice of cure with a window period of fifteen days. After the end of the cure period, a 15 (fifteen) days' notice shall be served on the Agency/ Bidder, and the contracts shall be deemed terminated after the end of the period of fifteen days from the date of notice of termination.

b) The following sub-clauses shall attract the provision of termination, on the occurrence of the following events -:

(i) If the Bidder has abandoned or repudiated the Contract;
(ii) If the Bidder has without valid reason failed to commence work on the project promptly;
(iii) If the Bidder has persistently failed to execute the works/express deliverable in accordance with

the Contract or persistently neglects to carry out its obligations under the Contract without just cause;

(iv) If the Bidder defaults in proceeding with the works/job with due diligence and continues to do so after a notice in writing of fifteen (15) days from BECIL;

(v) If the Bidder has obtained the contract as a result of undue of influence or adopted unethical means/ corrupt practices.

(vi) if the information submitted/furnished by the Bidder is found to be incorrect;

c. Termination due to Insolvency

a) If the Agency/Bidder dissolves or become bankrupt or insolvent or cause or suffer any receiver to be appointed for its business of any assets thereof compound with his Creditors, or being a corporation commence to be wound up, not being a member's voluntary winding up for the purpose of amalgamation or reconstruction, or carry on its business under a Receiver for the benefits of its Creditors any of them, then BECIL shall be at liberty :-

b) To terminate the contract forthwith upon coming to know of the happening of any such event as aforesaid by a fifteen day notice in writing to the Agency/Bidder or to give the Receiver or liquidator or other person, the option of carrying out the contract subject to its providing a guarantee upto an amount to be agreed upon by BECIL for due and faithful performance of the contract.

d. Termination for Convenience

BECIL can terminate the Agreement by serving a 30 day notice without assigning any cause or reason to the Bidder/ selected agency. The contract shall be deemed terminated after a period of 30 days from the date of termination notice.

18 POST TERMINATION RESPONSIBILITY

18.1 In all cases of termination herein set forth, the obligations of BECIL to pay shall be limited to the period upto the date of termination, subject to the receipt of such payment from the Client.

18.2 That any pending bills raised by the Bidder, prior to or post the termination of the Contract on account of the breach of the terms and conditions of the contract, shall be put on hold, till the time, the corresponding payment is received from the Client and any amount deducted by the Client against the bills raised by BECIL shall be consequently deducted from the bills raised by the Bidder respectively.

18.3 The Bidder shall forthwith stop any of its work then in progress, except such work as BECIL may, in writing, require to be executed at the designated site/premises.

18.4 That in the event of termination under clause 17.1 and 17.2 the whole or part of the performance security furnished by the Agency/Bidder is liable to be forfeited without prejudice to the right of BECIL to recover from the Agency/Bidder any accruing or incurred losses or damages, on account of termination of contract due to unsatisfactory performance/ delay in execution of work.

19 NOTICES

19.1 Any notice, invoice, approval, advice, report or notification in connection with this Contract shall be in writing and any notice or other written communication pursuant hereto shall be signed by the party issuing the same and shall be addressed to the BECIL or the Bidder and may be given by delivering the same by hand or sending the same-by prepaid registered mail, official e-mail or facsimile to the relevant address forth below or such other address as each Party may notify in writing to the ether Party from time to time. Any such notice given as aforesaid shall be deemed to be served or received at the time upon delivery (if delivered by hand) or upon actual receipt (if given official e-mail or facsimile) or Fifteen (15) clear days after posting (if sent by post) at the Party's principal or registered office address as set out below:

Mr. Binay Kumar Tiwari, DGM, BECIL
Broadcast Engineering Consultants India Ltd,
C-56/ A-17, Sector-62, Noida-201307, U.P., India.
Email: binaytiwari@becil.com

20 NO WAIVER

20.1 No waiver of any term, provision, or condition of this Contract, whether by conduct or otherwise, in any one or more instances, will be deemed to be or be construed as a further or continuing waiver of any such term, provision, or condition or as a waiver of any other term, provision, or condition of this Contract, unless the same is agreed upon and recorded in writing with mutual consensus of both the parties.

21 AMENDMENT:

21.1 Unless otherwise stated expressly, this Contract shall be modified only by an instrument in writing duly executed by both the parties.

22 ARBITRATION

22.1 Conciliation of Dispute

a. Any dispute(s) /difference(s)/issue(s) of any kind whatsoever between/amongst the Parties arising under/out of/in connection with this contract shall be settled mutually and amicably between the Parties, within a time span of **thirty days** from the date of invocation of dispute vide a written notice by the Aggrieved party. The Aggrieved Party shall notify the other party in writing about such dispute(s)/difference(s)/issue(s) between/amongst the Parties and that such a Party wishes to refer the dispute(s)/ difference(s)/issue(s) to Conciliation. Such Notice/Invitation for Conciliation shall contain sufficient information as to the dispute(s)/ difference(s)/issue(s) to enable the other Party to be fully informed as to the nature of the dispute(s)/ difference(s)/issue(s), as well as the amount of monetary claim.

b. That in the event of reference of dispute for Conciliation, a committee comprising of two members, nominated by each party i.e. the Bidder and BECIL respectively shall try to amicably resolve/settle the dispute.

22.2 Reference of Dispute to Arbitration proceeding post conciliation

a) In the event of failure in mutual resolution of the issue, any dispute(s)/ controversy(s)/ issue(s) arising out of or in connection with the contract, including any question regarding its existence or validity shall be referred to and finally resolved by Arbitration administered by the Delhi International Arbitration Centre as per the Delhi International Arbitration Centre proceeding Rules 2023.

b) The Aggrieved party wishing to refer a dispute to Arbitration shall give a notice to the Defaulting Party specifying all the points of dispute(s) with details of corresponding the claim amount.

c) The Arbitration Proceeding shall commence within a span of **thirty days** from the date of receipt of Invocation Notice complete in all respects as mentioned above,

d) The dispute(s)/ difference(s)/controversy(s) shall be adjudicated by a single/sole Arbitrator empaneled with the Delhi International Arbitration Centre.

e) The seat of Arbitrations shall be at New Delhi and the Arbitration proceeding shall be conducted in English.

f) The award of Sole Arbitrator shall be final and binding on the parties and unless directed/awarded otherwise by the Sole Arbitrator, the cost of arbitration proceedings shall be shared equally by both the parties.

g) The provision of the Arbitration and Conciliation Act, 1996 as amended and applicable from time to time shall apply to the Arbitration proceedings under this Contract.

h) That any claim of damage(s) or losse(s) incurred by BECIL as a consequence of the invocation of the litigation/arbitration proceeding owing to the suspension or abandonment of work by the Bidder/Agency shall be reimbursed by the Bidder/Agency.

i) That if BECIL considers that a dispute under this contract, involves an issue that is related to a dispute under the main contract, then in that event, the Bidder shall assist the main contract, then in that event, the Bidder during the course of arbitration/legal proceedings emanating from the main contract. Then in that event of initiation of arbitration/legal proceeding , under the main contract , no dispute tied directly to the main contract shall be concurrently referred by the Bidder

23 JURISDICTION

23.1 This Agreement, and any dispute or claim (including non-contractual disputes or claims) arising out of or in connection with it or its subject matter or formation, shall be governed by, and construed in accordance with, the laws of India. The Courts at Delhi shall have the exclusive jurisdiction to entertain any matter arising out of or in relation to this Contract.

24 Force Majeure

24.1 For the purpose of this Contract, the term "Force Majeure" shall mean an event which is beyond the reasonable control of a Party, is not foreseeable, is unavoidable and not brought about by or at the instance of the Party claiming to be affected by such events and which has caused the non-performance or delay in performance ,and which makes a Party's performance of its obligations hereunder impossible or impractical as reasonable to be considered impossible in the circumstance, inclusive of but not limited to war, riots, civil disorder, earthquake, fire, strikes, lockouts or other industrial action (except where such strikes lockouts or other industrial action are within the power of the Party invoking Force Majeure to prevent) , confiscation or nay other action by the Government Agencies.

24.2 Force Majeure shall not include (i) any event which is the caused by the negligence or intentional action of a Party or by of such Party's agents or employees, nor(ii) any event which a diligent party could reasonably have been expected both to take into account at the time of the acceptance of the work order under this RFP, and avoid or overcome with persistent effort in carrying out its respective obligations.

24.3 In the case of failure to perform this Agreement due to any force majeure, neither party shall be liable for such failure, and this Agreement shall be terminated automatically, if the persistence of such force majeure event continues for more than three months. In the case of failure to perform any part of this Agreement due to any force majeure, the party suffering from such force majeure may be exempted from corresponding liability to the extent of the impact of such force majeure. However, such party shall continue to perform other obligations under this Agreement which have not been affected by such force majeure.

25 SUBCONTRACTING

25.1 The Bidder shall not subcontract the entire or any portion of the work to be performed by it, without the prior written consent of BECIL.

26 EXTENSION OF TIME

26.1 It is hereby agreed that BECIL shall by mutual agreement update and extend the timeline/ milestone for the completion of work after discussion with the Client and its officials.

26.2 Any period within which Bidder is unable to complete the work or perform its obligations due to persistence of force majeure event, shall be extended for a period equal to the time during which the Bidder was unable to perform such action.

26.3 Any extension of time agreed upon mutually shall be documented in writing and signed by both the parties to be affected.

27 ASSIGNMENT:

27.1 All terms and provisions of this RFP and subsequent Contract/ Agreement / work order with the successful Bidder shall be binding on both the parties and their respective successors and permitted assigns.

27.2 Subject to clause mentioned above, the selected Agency shall not be permitted to assign its rights and obligations, under the Contract/ Agreement / work order, to any third party.

27.3 BECIL may assign or novate all or any part of the Contract/ Agreement / work order and the Agency shall be a party to such novation, to any third party contracted to provide outsourced services to BECIL or any of its nominees.

28 COMPLIANCE WITH APPLICABLE LAW:

Each Party to the Contract/ Agreement / work order accepts that its individual conduct shall (to the extent applicable to it) always comply with all laws, rules and regulations of government and other bodies having jurisdiction over the area in which the Services are undertaken. In case of changes in such laws, rules and regulations which result in a change to the Services, shall be dealt with as an exceptional situation with the objective to realign the part getting violated under the revised laws with minimal changes to achieve the objective existent prior to the change. For avoidance of doubt, the obligations of the Parties to the Contract are subject to their respective compliance with all local, state, national, supra- national, foreign and international laws and regulations.

29 SEVERABILITY:

29.1 If any provision of the Contract/ Agreement / work order, or any part thereof, shall be found by any court or administrative body of competent jurisdiction to be illegal, invalid or unenforceable; the illegality, invalidity or un-enforceability of such provision or part provision shall not affect the other provisions of the Contract/ Agreement / work order or the remainder of the provisions in question which shall remain in full force and effect. The concerned Parties shall negotiate in good faith to agree to substitute for any illegal, invalid or unenforceable provision with a valid and enforceable provision which achieves to the greatest extent possible the economic, social, legal and commercial objectives of the illegal, invalid or unenforceable provision or part provision.

30 ENTIRE CONTRACT:

30.1 The Contract/ Agreement / work order with all Appendices and Schedules appended thereto, contents and scope/ specifications of the RFP, all the corrigendum's, response to queries etc. that may be issued against this RFP and the Bidder's offer including presentation and all supporting documents shall constitute the entire Contract/ Agreement / work order between the Parties with respect to their subject matter, and as to all other representations, understandings or agreements which are not fully expressed herein, provided that nothing in this clause shall be interpreted so as to exclude any liability in respect of fraudulent misrepresentation.

31 LIQUIDATED DAMAGES

31.1 If the Bidder fails to achieve the completion of the work in accordance with the scheduled completion date as given in the Contract or the subsequent Work Order issued thereto, BECIL may without prejudice to any other right or remedy available to it as under the Contract or Law, may resort to any or all of the following :

31.2 In case of any liquidated damages imposed on BECIL by the Client, BECIL shall pass on the entire quantum of liquidated damages to the bidder/ selected agency on back-to-back basis.

31.3 The amount towards Liquidated Damages shall become leviable from the scheduled completion date or from the expiry of the extension, if any, given by BECIL without the levy of Liquidated damages.

31.4 BECIL may without prejudice to its right to effect recovery by any other method, deduct the amount of Liquidated Damages from any money belonging to the Bidder which has become due

or payable (which shall also include BECIL 's right to claim such amount against Bidder's Bank Guarantee) from this Contract or any other contract with BECIL.

31.5 Any such recovery of Liquidated Damages shall not in any way relieve the Bidder from any of its obligations to complete the works or from any other of its other obligation and liabilities under the Contract.

32 POWER OF ATTORNEY

Duly filled Technical Bid with proper seal and signature of authorized person on each page of the bid submitted. The person signing the bid should be the duly authorized representative of the firm/ company whose signature should be verified and certificate of authority should be submitted. The power of attorney or authorization or any other document consisting of adequate proof of the ability of the signatory to bind the firm/ company should be annexed to the bid.

38. SIGNING OF NON-DISCLOSURE AGREEMENT

Except with the written consent of the Buyer, the bidder shall not disclose the contract or any provision, specification, plan, design, pattern, sample or information thereof to any third party.

Bidders interested to participate in this RFP, shall have to sign a NON-DISCLOSURE AGREEMENT with BECIL on a non-judicial stamp-paper of Rs. 100. Participation without undertaking for compliance to above shall be invalid and such bids shall not be considered by BECIL.

39. MSME

39.1. The Bidder acknowledges and confirms that BECIL shall be liable to make payments only upon receipt of corresponding payments from the Principal Employer/client. Accordingly, the Bidder shall not raise any claims, demands, interest, compensation, or initiate any legal proceedings against BECIL for any delay in payment arising out of delayed release of funds by the Principal Employer/client.

39.2. Since the payment is agreed to be on back-to-back basis upon receipt by BECIL from the Client, the Bidder agrees to waive any rights under the Micro, Small and Medium Enterprises Development Act, 2006 (MSMED Act) or any similar legislation or regulation, to the extent such rights conflict with the agreed payment terms under the Bidder Agreement. The Bidder further waives its right to claim Interest on delayed payment by BECIL, under the Micro, Small and Medium Enterprises Development Act, 2006 (MSMED Act) or any similar legislation or regulation for the time being in force in India.

39.3. The bidder to give the undertaking as per Annexure – M, on a non-judicial stamp-paper of Rs. 100.

SECTION –IV

SCOPE OF WORKS

SCOPE OF WORKS

41. SCOPE OF WORK/SCHEDULE OF REQUIREMENTS

41.1 For detailed scope of work of the project & the Bill of Material, the bidders may refer the Client's Tender document, and its amendments & corrigenda issued subsequently (if any); **Tender details references are as below and the same is also attached along with this EOI.** (*Bidders are instructed to check for any new corrigendum/amendments etc. before bidding*)

Client's Tender Reference No:. GEM/2026/B/7987659 dated: 02/09/2026 Titled 'Establishment of Cyber Investigation and Digital Assistance Labs (CIDAL) on a Turnkey basis 2.0'

Website: https://gem.gov.in

41.2 All the Scope of work and relevant General Condition as well as special condition of the client tender shall be applicable to the selected Back-end Technology partner(s)/consortium Partner(s) on back to back basis and the same shall be part of the agreement signed between BECIL and selected Back-end Technology partner(s)/consortium Partner(s) .

SECTION –V

ELIGIBILITY CRITERIA AND EVALUATION

42. ELIGIBILITY CRITERIA AND EVALUATION

S.No.	Eligibility Criteria	Documents to be submitted
1	The Sole **Bidder/consortium partner** shall be Company incorporated /registered in India under Companies Act 1956/ 2013, as amended from time to time or Limited Liability Partnership Act, 2008 Bidder shall have been in existence and continuous business for not less than 3 financial years preceding bid due date	a. RoC certificate in case of Company. b. Partnership Deed in case of Partnership Firm. c. Self-Declaration on Letter head with PAN & GST numbers in case of Proprietary Firm. d. Memorandum and Article of Association e. Other relevant documents in case of company, proprietors and Partnership firm indicating details of Director/ proprietors/ Partner f. The bidder shall have the registration with EPFO and ESIC. g. Other registration certificate, if any required.
2	The **bidder/consortium partners** should not be insolvent, in receivership, bankrupt or being wound up, not have had their business activities suspended and not be the subject of legal proceedings for any of the foregoing.	Certificate by the Bank. *Please refer client tender N.6 Format Q-5: Solvency Declaration at page No. 333.* **Note: certificate must be issued after the publishing of this EOI.**
3	The **Bidder/consortium partners** should not be blacklisted/ debarred/ banned/ restricted by any Union Govt./State Govt./ PSU/Autonomous bodies as on date of submission of the Bid.	"Self-declaration for blacklisting as per the given annexure" duly signed by authorized signatory signing the bid, Should be submitted. *Please refer client tender N.5 Format Q-4: Non-Blacklisting and Non-Debarment Declaration at page no. 333.*
4	The Average Annual Turnover of the **bidder/consortium partner** should be at least INR 17 crore for the last 3 years. 2025 (FY 2022-23, 2023-24 & 2024-25). **The turnover should be excluded of other income for each of the financial year mentioned above.**	a. Certificate by the CA as per Annexure D. b. Audited financial statements of last three financial years along with Balance Sheet, Profit & Loss A/c, and its annexures as a complete set. c. ITR Acknowledgment last three financial years. d. Net worth must be positive for each of the three years. **Note: CA certificate must be issued after the publishing of this EOI.**
5	The bidder/consortium should have positive net worth as per the audited financial results for the three Financial Years ending 31 March 2025 (FY 2022-23, 2023-24 & 2024-25).	

S.No.	Eligibility Criteria	Documents to be submitted
6	**Bidder/consortium** must have the solvency /credit facility / financial capability from the bank for minimum INR 12.5 crore.	Certificate/ Sanction letter from the Bank. Certificate must be issued after the publishing of this EOI.
7	For experience, the order(s) executed by the bidder, during the last seven years from the original date of bid opening, should be considered as under:- Two orders executed for the similar item where executed value is not less than Rs 40 Cr OR One order executed for the similar item where executed value is not less than Rs 50 Cr. Note:- Similar service means the integrated provision, within one and the same work, of digital-forensic or cyber security hardware, associated software and expert technical manpower (5 Nos. for a tenure of minimum 12 months), where end client should Central or State Government department, a public sector undertaking, a nationalized bank, a Central or State forensic science laboratory, a police organization, a security operations center or an intelligence organization	Copies of experience certificate of equivalent document in support of satisfactory installation from clients shall be provided. The experience certificate should be signed by an authorized signatory.
8	OEM MAF and Make In India (MII) Local content declaration documents from OEM for Items.	The bidder should submit MAF in the name of BECIL/Bidder from OEM's specific to the bid for items mentioned in this EOI as a mandatorily requirement. Make In India (MII) Local Content Declaration documents from OEMs for Quoted Items as requested in Detailed Specifications.
9	All Annexure and Undertakings/ information requested by client in tender document should be submitted to BECIL on back to back basis.	Relevant annexures as per bidder eligibility to be provided as per original tender.
10	Proposed Solution shall be well established, tested, proven, have well support from OEM and reputed product as per Client tender requirement.	Undertaking with document proof.
11	OEMs should have a registered office, support & Service Facility in India to provide after sales service support in India. The certificates to this effect should be submitted.	Copies of certificate

43. PRELIMINARY EVALUATION

41.1 BECIL shall evaluate the proposals to determine that they are complete, technically complying, no computational errors have been made, required documents as mentioned in the EOI have been furnished, the documents have been properly signed and the response is generally in order.

41.2 BECIL may waive off any minor infirmity or non-conformity or irregularity in the proposal which does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any bidder.

41.3 In case only one bid is received or during the Technical Evaluation only one bidder qualifies for the next stage of the evaluation process, BECIL reserves the right to accept/ reject the bid.

41.4 In case two bids are received from the same bidder, both the bids will be rejected.

44. EVALUATION PROCESS

44.1 No enquiry/ query shall be made by the bidders during the course of evaluation of the EOI, after opening of bid, till final decision is conveyed to the successful bidder. However, the Evaluation Committee/ its authorized representative and office of BECIL can make any enquiry/ seek clarification from the bidders, which the bidder must furnish within the stipulated time else the bids of such defaulting bidders will be rejected. The proposal will be evaluated on the basis of its content, not its length.

44.2 The bidder's proposals will be evaluated as per the requirements specified in the EOI and adopting the evaluation criteria spelt out in subsequent paras of this EOI document. The bidders are required to submit all required documentation as per evaluation criteria specified in EOI.

44.3 Upon verification, evaluation/ assessment, if in case any information furnished by the bidder is found to be incorrect, their bid will be summarily rejected and no correspondence on the same shall be entertained. Submission of false/ forged documents will lead to forfeiture of security deposit/ EMD and blacklisting of agency for a minimum period of 3 years from participating in BECIL EOI/tenders.

44.4 BECIL will review the proposal to determine whether the proposals are as per the requirements laid down. Proposals that are not in accordance with these requirements will be liable to be disqualified at BECIL's discretion.

44.4.1 Evaluation of proposals shall be based on:

44.4.2 Information contained in the proposal, the documents submitted there to and clarifications provided, if any.

44.4.3 Experience and Assessment of the capability of the bidders based on past record.

44.5 BECIL reserves the right to seek any clarifications on the already submitted bid documents. BECIL also reserves the right to cross verify the information with any agency.

44.6 Conditional proposals shall NOT be accepted on any ground and shall be rejected straightway. If any clarification is required by the bidders, the same should be obtained before submission of the proposals.

44.7 Even though bidder satisfy the necessary requirements they are subject to disqualification if they have:

44.7.1 Made untrue or false representation in the form, statements required in the EOI document.

44.7.2 Records of poor performance such as abandoning work, not properly completing contract, financial failures or delayed completion.

44.8 The Financial Evaluation of the Bidders will be done only for those who qualify the Eligibility Criteria and other mentioned criteria of the EoI.

45. FINANCIAL EVALUATION:

45.1 Bidders are advised to quote the lump sum amount of the BOQ as per the Price bid format provided. The successful bidder will be determined based on the Lowest offered rates ranked as L-1, where L1 indicates the Lowest price offered to BECIL as per price format

45.2 L1 bidder may be called for further negotiations, if required.

45.3 A Pre-Bid agreement shall be signed by BECIL with the successful declared L1 bidder.

45.4 The final price quoted in the end client's tender will include the BECIL margin, as determined by BECIL.

45.5 The selected agency will not be allowed to increase the price quoted to BECIL during the final tender submission.

SECTION –VI

ENCLOUSERS AND ANNEXURES

ENCLOUSERS AND ANNEXURES

(Annexure-A)

PRE-CONTRACT INTEGRITY PACT

Between

Broadcast Engineering Consultants India Limited (BECIL) hereinafter referred to as **"Principal")**

And

…...... hereinafter referred to as **"The Bidder/Contractors"**

Preamble:

The Principal intends to award, under laid down organizational procedures, contracts **for……** The Principal values full compliance with all relevant laws of the land, rule, regulations, economic use of resources and of fairness / transparency in its relations with its Bidder(S) and / Contractor(s).

In order to achieve these goals, the Principal will appoint an Independent External Monitor (IEM), who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

Section 1 – Commitments of the Principal

1.1. The Principal commits itself to take all measures necessary to prevent Corruption and to observe the following principles: -

- No employee of the Principal, personally or through family members, will in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for him/herself or third person, any material or Immaterial benefit which he/she is not legally be entitled to.

- The Principal will, during the tender process treat all Bidder(s) with equity and reason. The Principal will in particular, before and during the tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential / additional information through which the Bidder(s) could obtain an advantage in relation to the tender process or the contract execution.

- The Principal will exclude all known prejudiced persons from the process.

1.2. If the Principal obtains information on the conduct of any of its employees which is a criminal offence under the IPC/PC Act, or if there be a substantive suspicion in this regard, the Principal will inform the Chief Vigilance Office and in addition can initiate disciplinary actions.

Section 2 – Commitments of the Bidder(s)/ Contractor(s)

2.1. The bidder(s) Contractor(s) commits himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the tender process and during the contract execution.

a) The Bidder(s) Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal's employees involved in the tender process or the execution of the contract/ or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.

b) The Bidder(s) Contractor(s) will not enter with other Bidder(s) into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.

c) The Bidder(s) Contractor(s) will not commit any offence under the relevant IPC/PC Act; further the Bidder(s) Contractor(s) will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.

d) The Bidder(s) Contractor(s) of foreign origin shall disclose the name and address of the Agents/ representatives in India, if any. Similarly, the Bidder(s) Contractor(s) of Indian Nationality shall furnish the name and address of the foreign principals, if any. Further details as mentioned in the "Guidelines on Indian Agents of Foreign Suppliers" Shall be disclosed by the Bidder(s) / Contractor(s). Further, as mentioned in the Guidelines all the payments made to the Indian agent/ representative have to be in Indian Rupees only.

e) The Bidder(s) Contractor(s) will, when presenting himself, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract/Agreement.

2.2. The Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

Section 3 – Disqualification from tender process and exclusion from future contracts

If the Bidder(s) Contractor(s), before award or during execution has committed a transgression through a violation of Section 2, above or in any other form such as to put his reliability or credibility in question, the Principal is entitled to disqualify the Bidder(s) Contractor(s) from the tender process or take action as per the defined procedure.

Section 4 – Compensation for Damages

4.1. If the Principal has disqualified the contractor from the tender process prior to the award according to

Section 3, the Principal is entitled to demand and recover the damages Equivalent to Earnest Money Deposit / Bid Security.

4.2. If the Principal has terminated the contract according to Section 3, or if the Principal is entitled to terminate the contract according to section 3, the Principal shall be entitled to demand and recover from the Contractor liquidated damages of the contract value or the amount equivalent to Performance Bank Guarantee.

Section 5 – Previous transgression

5.1. The Bidder(s) contractor declares that no previous transgression occurred in the last 3 years with any other Company in any country conforming to the Anti-corruption approach or with any other Public Sector Enterprise in India that could justify his exclusion from the tender process.

5.2. If the contractor makes incorrect statement on this subject, he can be disqualified from the tender process or action can be taken as per the procedure mentioned in "Guidelines on Banking of business dealings".

Section 6 – Equal treatment of all Bidders/Contractors/Subcontractors

6.1. The Bidder(s) Contractor(s) undertake(s) to demand from all subcontractors a commitment in conformity with this Integrity Pact and to submit it to the Principal before contract signing.

6.2. The Principal will enter into agreement with identical conditions as this one with all Bidders, Contractors and Subcontractors.

6.3. The Principal will disqualify from the tender process all bidder who do not sign this Pact or violate its provisions.

Section 7 – Criminal charges against violating Bidder(s)/ Contractor(s)/Subcontractor(s)

If the Principal obtains knowledge of conduct of a Bidder, Contractor or Subcontractor, or of an employee or a representative or an associate of a Bidder, Contractor or Subcontractor, which constitutes corruption, or if the Principal has substantive suspicion in this regard, the Principal will inform the same Chief Vigilance Office.

Section 8 – External Independent Monitor/Monitors

8.1. Principal may appoints competent and credible Independent External Monitor for this Pact. The task of the Monitor is to review independently and objectively, whether and to what extent the parties comply with the obligations under this agreement.

8.2. The Monitor is not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. He reports to the CMD of M/s Broadcast Engineering Consultants India Limited (BECIL).

8.3. The Bidder(s)/Contractor(s) accepts that the Monitor has the right to access without restriction to all Project documentation of the Principal including that provided by the Contractor. The Contractor will also grant the Monitor, upon his request and demonstration of a valid interest, unrestricted and unconditional access to his project documentation. The same is applicable to Subcontractors. The Monitor is under contractual obligation to treat the information and documents of the Bidder(s)/Contractor(s)/Subcontractor(s) with confidentiality.

8.4. The Principal will provide to the Monitor sufficient information about all meetings among the parties related to the Project provided such meetings could have an impact on the contractual relations between the Principal and the Contractor. The parties offer to the Monitor the option to participate in such meetings.

8.5. As soon as the Monitor notices, or believes to notice, a violation of this agreement, he will so inform the Management of the Principal and request the Management to discontinue or take corrective action, or to take other relevant action. The monitor can in this regard submit non-binding recommendations. Beyond this, the Monitor has no right to demand from the parties that they act in a specific manner, refrain from action or tolerate action.

8.6. The Monitor will submit a written report to the Chairperson of the Board of the Principal within 8 to 10 weeks from the date of reference or intimation to him by the 'Principal' and, should the occasion arise, submit proposals for correcting problematic situations.

8.7. If the Monitor has reported to the CMD of the BECIL, a substantiated suspicion of an offence under relevant APC/PC Act, and the Chairman BECIL has not, within reasonable time, taken visible action to proceed against such offence or reported it to the Chief Vigilance Office, the Monitor may also transmit this information directly to the Central Vigilance Commissioner, Government of India.

8.8. The word 'Monitor' would include both singular and plural.

Section 9 – Pact Duration

This Pact begins when both parties have legally signed it. It expires for the Contractor 20 months after the last payment under the contract, and for all other Bidders 6 months after the contract has been awarded. If any claim is made/lodged during this time, the same shall be binding and continue to be valid despite the lapse of this pact as specified above, unless it is discharged/ determined by CMD, M/s. Broadcast Engineering Consultants India Limited.

Section 10 – Other provisions

10.1. This agreement is subject to Indian Law. Place of performance and jurisdiction is the head office of the Principal, i.e., New Delhi.

10.2. Changes and supplements as well as termination notices need to be made in writing. Side agreement have not been made.

10.3. If the Contractor is a partnership or a consortium, this agreement must be, signed by all partners or consortium members.

10.4. Should one or several provisions of this agreement turn out to be invalid, the remainder of this agreement remains valid. In this case, the parties will strive to come to an agreement to their original intensions.

FOR AND ON BEHALF OF CONTRACTOR FOR AND ON BEHALF OF PRINCIPAL

Annexure-B (BANK MANDATE FORM)

यूनियन बैंक ऑफ इंडिया Union Bank of India

आन्ध्रा Andhra | andhra bank Corporation

(A Govt. of India Undertaking)
MID CORPORATE BRANCH, DELHI SOUTH
D -26-28, Connaught Place, NEW DELHI -110001
Tel:+91-9137849790; Fax: 01-11 23414330 ; Swift: UBININBBNDL
Email: ubin0549797@unionbankofindia.bank

Ref.: MCB:ADV:ATL:2022-23: Date: 18.01.2023

TO WHOMSOEVER IT MAY CONCERN

A	Name of the Beneficiary	BROADCAST ENGINEERING CONSULTANTS INDIA LIMITED
i	Address with Pin Code	BECIL Bhawan, C-56/A17, Sector -62, Noida - 201307 (U.P)
ii	Permanent Account Number (PAN)	AAACB2575L
iii	(a) Telephone No.	0120-4177861
	(b) Fax Number	0120-4177879
	(c) Contact Person	Sh. Awadhesh Pandit General Manager - (Finance and Accounts)
	(d) E-mail Address	panditmd@becil.com
	(e) Mobile No.	+91-8130918866
B	Bank Particulars	
i	Bank Name	UNION BANK OF INDIA
ii	Bank Contact No	+91-9137849790
iii	Branch Address with Pin Code	26/28, 1st Floor, D Block, Connaught Place, New Delhi, 110001.
iv	BSR Code	549797
v	MICR	110026046
vi	SWIFT CODE	UBININBBNDL
Vii	11 Character IFSC Code of the Bank (Either enclosed a cancelled Cheque or obtain Bank Certificate as appended)	UBIN0549797
VIII	Bank Account Number as appearing on the Cheque Book	565101000065461
ix	Bank Account Type	Overdraft
X	If other, Specify	--

**This certificate is issued on the specific request of our customer without any risk and responsibility on the part of the bank or any of its employees.*

Bank Stamp with Authorized Signatory

Date 20-01-2023

Page 1 of 1

(Annexure – C)

Particulars of The Bidder

1.	Name of company/bidder	
2.	Office Address /Telephone No / Fax No / email id / website	
3.	Year of establishment	
4.	Status of the Company/bidder	
5.	Name of Directors	i)
6.	Names of principle person concerned with this work with title and Telephone No / Fax/ Email Id, Etc.	
7.	Whether registered with the registrar of companies /registrar of firms. If so, mention number and date.	i) ii) iii)
8.	In case of change of Name of the Firm, former Name / Names and year/ years of establishment:	
9.	GST registration certificate	
10.	Whether an assessed of income tax. If so, mention permanent account number.	
11.	State Annual turnover of the company/bidder Furnish copies of audited balance sheet and profit & loss account (audited) for the last three years.	
12.	Particulars and place of similar type of works done in a single order and tender amount. (Furnish details in a separate sheet and enclose copy of the employers certificate)	
13	Specify the maximum value of single work executed in the past three years.	
14.	Status and details of disputes/ litigation/ arbitration, if any.	
15.	Certificate of financial capability / credit facility issued by the bank.	

Signature of Authorized Signatory

Place: _____
Date: _____
Address: _____
Mobile: _____
Email ID: _____

(Annexure – D)

Annual Turnover & Net worth

(To be printed on implementing agency's letterhead and signed by Authorized signatory.)

To
The General Manager,
Broadcast Engineering Consultants India Limited
BECIL Bhawan, C-56, A/17,
Sector-62, Noida-201307

Full Name of Bidder (Supplier) entity:

S. No.	Financial Year	Turnover of Bidder	Profit (PAT)	Net worth	Remarks
1	2022-23				
2	2023-24				
3	2024-25				
	Average				

***Enclose Audited Financial statement for above mentioned period along with audit report, Balance Sheet, Profit & Loss A/c, and its annexures as a complete set. Net worth must be positive for each of the three years.**

Note: The required certificate from CA with UDIN stating Turnover, Profit (PAT), and Net Worth is enclosed along with this form. Certificate without UDIN No. will be rejected.

Signature of Authorized Signatory
Place: _____
Date: _____
Address: _____
Mobile: _____
Email ID: _____

(Annexure – E)

Performa of letter of Undertaking for Bid Validity

To
General Manager
Broadcast Engineering Consultants India Limited
BECIL Bhawan, C-56, A/17, Sector-62, Noida-
201307

Reference: EOI No. <<>> dated << 202X>>

I/We hereby submit our Bid and undertake to keep our Bid valid for the period of 240 days from the date of submission of the Bid.

I/We also agree to abide by and fulfill all the terms, conditions of provision of the bid document.

Signature of Authorized Signatory

Place: _____
Date: _____
Address: _____
Mobile: _____
Email ID: _____

(Annexure – F)

Bid Covering Letter

To
General Manager
Broadcast Engineering Consultants India Limited
BECIL Bhawan, C-56, A/17, Sector-62, Noida-
201307

Reference: EOI No.<<>> dated << 202X>>

Dear Sir/Madam,

We, the undersigned, offer to provide Systems Implementation solutions/ services to the Purchaser on <Name of the Systems Implementation engagement> with your Expression of Interest dated <insert date>and our Proposal. We are hereby submitting our Proposal, which includes our Technical bid sealed on the <URL of e-Procurement portal> portal.

We hereby declare that all the information and statements made in this Technical bid are true and accept that any misinterpretation contained in it may lead to our disqualification.

We undertake, if our Proposal is accepted, to initiate the Implementation services related to the assignment not later than the date indicated in Fact Sheet.

We agree to abide by all the terms and conditions of the EOI document. We would hold the terms of our bid valid for <240> days as stipulated in the EOI document.
We understand you are not bound to accept any Proposal you receive.

Signature of Authorized Signatory

Place: _____
Date: _____
Address: _____
Mobile: _____
Email ID: _____

(Annexure – G)

Credentials Summary

S. No.	Project Name	Client Name	Client Type	Project Value (in INR)	Documentary evidence provided (Yes or No)	Project Status (Completed or Ongoing or Withheld)
1						
2						
3						
4						
5						

Signature of Authorized Signatory

Place: _____
Date: _____
Address: _____
Mobile: _____
Email ID: _____

(Annexure – H)

Self-Declaration For Non Black Listing

ON BIDDER'S LETTER HEAD

Bidder Ref. No.
…… Dated :
…….
.

To
General Manager
Broadcast Engineering Consultants India Limited
BECIL Bhawan, C-56, A/17, Sector-62, Noida-
201307

We, M/s. ---------- hereby declare that the firm/company namely M/s. ----------, as on the date of bid submission, has not been blacklisted or debarred by any of the Central Government or State Government or any organization under Central/ State Government or any Statutory Authority, or any Public- Sector Undertaking.

M/s ……. has not been found guilty of any criminal offence by any court of law in India or abroad.

M/s ……, its directors and officers have not been convicted of any criminal offence related to their professional conduct or the making of false statement or misrepresentations as to their qualifications to enter into procurement contract within a period of three years preceding the commencement of the procurement process or have not been otherwise disqualified pursuant to debarment proceedings.

Yours faithfully

For,

Signature of Authorized Signatory
Place: _____
Date: _____
Address: _____
Mobile: _____
Email ID: _____

(Annexure – I)

Undertaking Regarding Payment Of GST/ Filing Of GST Return

Ref…….. Date

To,
The Chairman and Managing Director,
Broadcast Engineering Consultants India Limited, 56-A/17, Block-C, Sector-62, Noida-201307 (U.P.)

Subject: Undertaking regarding Payment of GST/ Filing of GST Return

Dear Sir,

This is in connection to the works awarded by M/s Broadcast Engineering Consultants India Limited (BECIL), we hereby undertake that we will comply with Goods and Services Tax 2017 and subsequent amendment and Various Rules Relating to GST Act, 2017(herein after referred to as GST Act and Rules) wherever we are obliged to comply with the GST Act and GST Rules.

We further hereby undertake that we will issue proper **"Tax Invoice"** and/or any other Relevant Document as required under GST Act and Rules. We will furnish appropriate GST return and pay GST as required under GST Act and Rules on timely basis and will provide GST credit on timely basis through GST Portal (and/or by any other means as provided by GST Act and Rules).

We hereby certify & undertake that we will not alter, delete or modify the tax invoices and other details uploaded at GST Portal unless approved by BECIL in writing. We hereby certify all the relevant document along with tax invoice as the case may be

We also hereby certify & undertake that we indemnify BECIL on account of any loss of GST input credit as well as any interest, penalty, demands or other costs, expenses suffered by BECIL because of any failure on our part to file appropriate Return on time and/or pay Tax to Government/Appropriate Authority.

In case we do not make payment the tax/interest/penalty/other expenses etc. on demand raised by Government/Tax Authorities due to default/delay on our part/action, we also authorize BECIL to forfeit/deduct from security held by BECIL, equivalent amount of interest/penalty/tax etc. for the amount so withheld.

Signature of Authorized Signatory on behalf of

Agency Address: _____
Mobile: _____
Email ID: _____

(Annexure- J)

Power of Attorney for signing the Bid on Rs. 100 Stamp Paper

KNOW ALL MEN BY THESE PRESENTS,

We, [Name of Bidder] do hereby irrevocably constitute, nominate, appoint and authorize _____, who is presently employed with us and holding the position of **"_____"**, as our true and lawful attorney *(hereinafter referred to as the "Attorney")* to do in our name and on our behalf, all such acts, deeds and things as are necessary or required in connection with or incidental to submission of our application for qualification and submission of our bid for the Project "**Name of Project"** of "**_"** (the "client") including but not limited to signing and submission of all applications, bids and other documents and writings, participate in pre-applications and other conferences and providing information/ responses to the client, representing us in all matters before the client, signing and execution of all contracts including the Agreement and undertakings consequent to acceptance of our bid, and generally dealing with the client in all matters in connection with or relating to or arising out of our bid for the said Project and/ or upon award thereof to us and/or till the entering into of the Agreement with the client. The act done by _(Name of authorized person) will be binding on the selected bidder.

IN WITNESS WHEREOF WE, (Name of Bidder)_, THE ABOVE-NAMED PRINCIPAL HAVE EXECUTED THIS POWER OF ATTORNEY ON THIS DAY OF
Date_____**.**

For **Name of Bidder**,

Executed

Accepted

Witnesses

(Annexure- K)

LAND BORDER DECLARATION CERTIFICATE

Restrictions on procurement from Bidders from a country or countries, or a class of countries under Rule 144(xi) of the General Financial Rules 2017.

EOI Document No: …… Date: …….
Bidder's Name, Address & contact details:
……. Bidder's Reference No.
…….. Date: …….

Restrictions on procurement from Bidders from a country or countries, or a class of countries under Rule 144(xi) of the General Financial Rules 2017.

I/We certify that this Bidder is not from such a country or if from such a country has been registered with the Competent authority. I hereby certify that this bidder fulfills all requirements in this regard

I/We certify that this Bidder is not from such a country or if from such a country has been registered with the competent authority and will not sub-contract any work to a contractor from such countries unless such contractor is registered with the Competent authority. I hereby certify that this bidder fulfills all requirements in this regard and is eligible to be considered.

Penalties for false or misleading declarations:

We hereby confirm that the particulars given above are factually correct and nothing is concealed and also undertake to advise any future changes to the above details. We understood that any wrong or misleading self-declaration by us would be violation of Code of integrity and would attract penalties as mentioned in this tender document, including debarment.

_____

(Signature with date)

_____

(Name and designation)

Duly authorized to sign Bid for and on behalf of

_____

(Name & address of the Bidder and Seal of Company)

(Annexure- L)

Consortium Agreement
(On Rs. 100 Non-Judicial Stamp Paper duly notarized by the Notary Public)

This Agreement is executed at Delhi on this ----------2026 ("Effective Date").

AMONGST

M/s ……, registered under the provisions of the Companies Act 2013, with its registered office at …… primarily engaging in the business of …… (Hereinafter referred to as "…….. or Lead Member"), acting through Mr…….. Authorized vide a Board Resolution dated ----------which expression shall unless repugnant to the context or meaning thereof, include its successors, authorized representatives and permitted assigns.

AND

M/s …… a company registered under the provisions of Companies Act, 2013, with its registered office at …….. (hereinafter referred to as "Second Party") acting through Mr. …… authorized vide a Board Resolution dated ----------which expression shall unless repugnant to the context or meaning thereof, include its successors, authorized representatives and permitted assigns.

The Consortium consisting of M/s ……& M/s……shall be referred to as consortium, individually referred to as "Party" and collectively as "Parties or Consortium Members".

M/s …….. shall be referred to as the 'Lead Member' of the Consortium.

1: PREAMBLE

WHEREAS BECIL represents that it is an ISO 9001:2015, 27001:2013, ISO/IEC 20000:2012 certified, Mini Ratna, Central Public Sector Enterprise (CPSE), falling under the purview of the Ministry of Information and Broadcasting Government of India, which was established on 24th March 1995. That BECIL provides Project Consultancy services, Turnkey solutions, System integration, Operation & Maintenance for the entire gamut of radio and television broadcast engineering. BECIL has also diversified into the domain of businesses pertaining to Strategic National Importance and has won major Projects/ Tenders in the field of Security & Surveillance, IT Networking & Data Centre and Communication Intelligence, Third Party Audit.

WHEREAS …… (hereinafter called .....") has issued an EOI vide EOI no. …… for "UP POLICE" to as "Tender"/"Work"/"Project" (hereinafter called as Tender or …….. or Primary Tender).

AND WHEREAS BECIL intends to participate in the aforementioned tender and published tender No. …….. dated …….. (hereinafter referred as "BECIL's EOI") for selection of Backend Consortium Partner for …….. tender.

AND WHEREAS Parties have accepted to execute the agreement, in case of award of work by M/s BECIL and undertake to abide by all terms and conditions of such agreement signed thereof.

AND WHEREAS Parties have jointly accepted to collaborate and ~~help BECIL to~~ prepare and submit its competitive bid against the tender for ……. vide tender/EOI No. ……

AND WHEREAS the Consortium Member has signed a Power of Attorney in favor of the M/s……..as the Lead Member of the consortium.

AND WHEREAS, this consortium agreement is executed solely for the purpose to bid as a consortium for the EOI issued by BECIL pertaining to the Selection of Backend Consortium for …….

AND WHEREAS all the parties agreed to join its hand on following terms & conditions:

In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the agreement documents referred to.

BECIL's EOI & …….. tender and Power of Attorney shall be deemed to form and be read and construed as part of this Agreement.

2: GENERAL

2.1 PURPOSE

2.1.1 The Parties do hereby irrevocably constitute a consortium (the "Consortium") for the purpose of jointly participating in the bidding process for the selection of backend consortium against BECIL EOI No. EOI No. ……

2.1.2 The Parties hereby undertake to participate in the bidding process only through this Consortium and not individually and/ or through any other Consortium constituted for this EOI, either directly or indirectly or through any of their associates.

3: OBJECT AND COLLABORATION

3.1 The object of the Consortium Agreement is to define the principles and main provisions concerning the cooperation between the Consortium Members.

3.2 The Parties/ Consortium Members agree that the bid is binding on them and has been prepared by each of them with the aim of being complete, accurate, adequate and coordinated for the purpose of execution of the Project.

3.3 The Consortium Agreement shall supersede and prevail over all previous agreements either oral or in writing in respect to the association between the parties in respect of this tender/BECIL's EOI.

3.4 The parties shall be jointly and severally liable to M/s BECIL for the execution of the scope of a work and for the completion of their respective scope of work.

4: REPRESENTATION OF THE PARTIES

The Consortium represents to BECIL that as on date of signing this Agreement:-

4.1 The members of the Consortium are duly organized, validly existing and in good standing under the laws of its incorporation and has all requisite power and authority to enter into this Agreement.

4.2 That the execution, delivery and performance by each Consortium Member of this Agreement has been authorized by all necessary and appropriate corporate or governmental action, and will not, to the best of its knowledge:

a. Require any consent or approval not already obtained;

b. Violate any applicable Law presently in effect and having applicability to it;

c. Violate the Agreement and articles of association, by-laws or other applicable organizational documents thereof;

d. Violate any clearance, permit, concession, grant, license or other governmental authorization, approval, judgment, order or decree or any mortgage agreement, indenture or any other instrument to which any Consortium Member is a party or by which Consortium Member or any of their properties or assets are bound or that is otherwise applicable to Consortium Member;

e. Create or impose any license, mortgages, pledges, claims, security interests, charges or Encumbrances or obligations to create a lien, charge, pledge, security interest, encumbrances or mortgage in or on the property of such Party, except for encumbrances that would not, individually or in the aggregate, have a material adverse effect on the financial condition or prospects or business of Consortium Members so as to prevent such Parties from fulfilling their obligations under this Agreement.

4.3 That none of the Consortium Member has been black-listed by Central/ State Government or any other Government PSU and are not facing/ likely to face any disciplinary proceedings under Indian or under laws of any other country.

4.4 That aforementioned EOI is the legal and binding obligation of such Parties, enforceable in accordance with its terms against it;

4.5 That there is no litigation pending or, to the best of Consortium Member's knowledge, threatened to which it or any of its affiliates is a party that presently affects or which would have a material adverse effect on the financial condition or prospects or business of such Party in the fulfillment of its obligations under this Agreement.

4.6 That there is no legal action/dispute initiated or pending on Consortium Members at the time of signing of this Agreement which is likely to concern or affect BECIL in any manner. If any such case is found pending, the agreement will automatically become invalid and the agency will be penalized by withholding the EMD/PBG and legal action will be initiated as deemed fit by the competent authority. All ongoing and future business association with BECIL will also be terminated.

5: PROJECT BACKGROUND AND SCOPE OF WORK

5.1 Project Background

5.1.1 That M/s Broadcast Engineering Consultants India Limited, has issued an EOI No. …… for the selection of backend Consortium Partner for participation in ……. for …….

5.1.2 That the aforesaid EOI No…….. with all the amendments or corrigendum (as available on the BECIL website) as well as scope of work contained therein, will be carried out by the parties, in case the work is awarded to the parties by BECIL.

6: SCOPE OF WORK

6.1 The Scope of work of the Parties/ Consortium will be as per BECIL's EOI.

7: JOINT AND SEVERAL RESPONSIBILITIES OF CONSORTIUM MEMBERS

7.1 The Members of the Consortium shall be jointly and severally responsible for due performance of the scope of work as per EOI, compliance of all the terms and conditions of the EOI, in case the work is awarded to the parties by BECIL, and fulfilment of all obligations arising out of or in connection, all related Corrigenda, and any other amendment, this agreement or supplementary agreement relating to performance of this agreement. Any noncompliance by either party of the Consortium shall be treated as a breach of this agreement.

7.2 The parties hereby mutually agree that all of them shall remain as irrevocable members of this tie-up for the complete execution and completion of the BECIL Tender/Work/Project (as per scope of work mentioned in the BECIL EOI & subsequent work order/contract signed with BECIL).

7.3 Each party shall be individually responsible for the entire performance of the contract as per EOI, and not merely for any portion of scope of work allocated to it under any internal arrangement among the parties.

7.4 No internal arrangement, side arrangement or division of responsibilities among the parties shall relieve them of their joint and several responsibility/liability to BECIL.

7.5 The joint and several liability of the parties shall survive the termination, completion, or expiry of contract/work order as per EOI, until all obligations are fully discharged.

7.6 Any internal dispute, disagreement, non-payment, allocation issue, or any other internal matter/arrangement among the parties shall not:-

- Relieve the parties or party from performance of the EOI/RFP/ contract/work order;
- Constitute a ground for extension of time or additional cost;
- Give rise to any claim against BECIL.

8: DUTIES & OBLIGATIONS OF PARTIES

8.1 The preparation of the bid against BECIL's EOI have been undertaken jointly by the parties and second party authorizes the lead member to undertake any negotiation with BECIL in pursuance of BECIL's bid preparation and submission against …… EOI/tender…….

8.2 For the efficient execution of the project, parties would formulate a General Standards of performance. The parties shall carry out the services outlined in the scope of work with due diligence and efficiency, and shall exercise such skill and care in the performance of the services as is consistent with recognized professional standards. The parties shall act at all times so as to protect the interests of the Client, BECIL and the Project.

8.3 The Consortium Members have read and understood the terms and conditions of the BECIL EOI and it agree to abide by these terms and conditions.

8.4 The Consortium Members confirm that they understood on-ground technical complications and they agree to have taken into consideration the manpower required on the basis of the scope of work.

8.5 That the Consortium Members have agreed to accept all the challenges with regard to time Overrun, Cost Overrun, payment terms & Liquidated Damages & Penalties and confirm, to abide by the timeline in-case the project is awarded.

8.6 That the Consortium Members have agreed to accommodate the change in scope of work by M/s BECIL whether or not incidental and ancillary, to achieve the objective as per this EOI & ……. Tender requirement, without any additional cost to BECIL.

8.7 The Consortium Members shall appoint adequate number of team Lead, staff, and technical team staffs in order to execute the project within the prescribed timeline.

9: DUTIES AND OBLIGATIONS OF LEAD MEMBER OF THE CONSORTIUM

9.1 The Lead Member shall act as coordinator/single point of contact between the Parties and BECIL, for all matters related to the BECIL's EOI & ……. Tender and Work Order or Contract Signed with BECIL in case the project is awarded, including but not limited to:-

- Communication
- Instructions
- Notices
- Submissions
- Clarifications
- Claims
- Correspondences

9.2 The Lead Member shall be solely responsible for coordinating and resolving any internal disputes, matters, disagreements or claims arising amongst the consortium member, BECIL shall deal exclusively

with Lead Member only, in respect of all such matters, and no other member shall approach or correspond with BECIL regarding any internal issue. Any communication made by Lead Member to BECIL shall be deemed to be made on behalf of, and binding upon, all members of the consortium, BECIL shall not be concerned with, nor liable for any internal dispute, allocation of responsibilities etc. among the members.

9.3 Lead Member to ensure the technical, commercial & administrative coordination of the project work.

9.4 The Lead Member has been authorized by Consortium Members to receive instruction and incur liabilities for and on behalf of all parties.

9.5 In the event of project getting awarded, the Lead Member shall act as the only channel of communication between the authority of BECIL and the other Consortium Members / parties to execute the project/ Agreement.

10: CO-OPERATION OF THE TRANSACTION

10.1 All the parties agree to abide by the terms and conditions of this Agreement, including all applicable tender documents and provisions such as General Requirements, Commercial Aspects, and Evaluation and Acceptance Criteria of the EOI, which shall form an integral part of this Agreement.

10.2 Expenses towards preparation of proposal, submission of bid and other allied activities for submission of bid will be undertaken by the respective parties at their own cost.

10.3 The cooperation for execution of the Project between the parties hereto shall be exclusive, i.e., neither of them shall without the other party's consent - alone or together with another PARTY take part in any agreement or proposal with regard to this EOI No. ……..

11: PERIOD OF AGREEMENT

11.1 The agreement shall be valid from the date of signing of this agreement ("Effective Date") to till the completion of the project & release of all payments thereof whichever is later. All obligations hereunder shall only apply during the term of this agreement and to such obligations and commitments in relation to the Tender/Work/Project under the scope of BECIL's EOI, as may have been undertaken by the Parties during the Term with validity exceeding the Term.

12: PAYMENT AND COMMERCIAL

12.1 The Lead Member shall provision the requisite EMD/PBG as applicable to M/s BECIL.

12.2 The payment for the scope of work mentioned in the EOI shall operate on a back to back basis as per the EOI terms and conditions.

12.3 The Lead Member shall raise its invoices to BECIL, which will then raise the invoices to the Client (on the basis of the certified report for the execution of the work and after the receipt of the relevant documentary proofs from the Consortium Members).

12.4 Upon receipt of corresponding payment from the Client, BECIL shall disburse the payment to the lead member after the deduction of BECIL project management and consultancy fees.

12.5 All Invoices received from the Lead Member would be inclusive of all statutory taxes/ GST. BECIL will only consider invoices raised by lead member of consortium subject to submission of all relevant documents and in case the documents are not proper, the invoices shall be liable to be rejected by BECIL.

12.6 Notwithstanding anything contained in any other agreement, document, correspondence, arrangement between the parties in respect of BECIL EOI / Works / Projects, the Consortium Member understands, agrees and undertakes that:

a) The Consortium has participated in BECIL EOI and that all terms & conditions of the BECIL EOI shall apply to both the Consortium Members.

b) The payments terms between BECIL & Consortium are on back-to-back basis and the payment shall be released by BECIL only if and when received by BECIL from the Client and subject to terms & conditions of agreement and submission of complete required documents.

c) The (day) date of delivery of goods and/or rendering of services by the Consortium Member shall be the date or realization of payment from BECIL once the goods and/or services are accepted by client.

d) Consortium hereby agrees to ensure timely GST compliance's as per the statutory requirements. All the costs pertaining to any GST non-compliance including but not limited to any loss of eligible input tax credit due to non-payment/non-filing of GST return and applicable interest/penalties shall be borne/indemnified by Consortium Members. Further, consortium partners hereby agree that BECIL reserves the right for reimbursement of any such cost incurred out of the aforesaid noncompliance(s).

13: GENERAL TERMS & CONDITIONS

13.1 AGENCY

That all the members of the consortium shall be bound by the acts, deeds and representation of the Lead Member. That the current consortium is not an incorporated entity or an incorporated joint venture.

13.2 CONFIDENTIALITY

13.2.1 Consortium Members shall not make or permit to be made a public announcement or media release about any aspect of the Agreement unless BECIL gives its written consent.

13.2.2 That the Consortium Member agrees to keep confidential all information shared with it and disclose it to a third party only after taking prior written consent of each other. This clause excludes information available in public domain. The confidentiality provisions of this agreement shall remain in full force and effect during the term of this agreement and 12 months thereafter.

13.3 TERMINATION

13.3.1 That there shall be no change to the composition of the consortium during the subsistence of the term of this Agreement. That neither of the Party can terminate nor exit the consortium, and the said exit shall only be valid once, acceptance /approval for the same is granted by M/s BECIL.

13.4 ARBITRATION/DISPUTE RESOLUTION

13.4.1 That in the event of any dispute/ conflict among the members of the consortium, the same shall be resolved /settled through the process of mutual discussion and conciliation within a period of thirty days from the date of invocation of dispute by either of the party.

13.4.2 That on the failure of the resolution wither of the party shall have the liberty to invoke arbitration proceedings against the defaulting party by serving a notice. That the arbitration proceedings shall be adjudicated by a sole arbitrator, appointed with the mutual consensus of all the consortium members. That the arbitration proceedings shall commence within a period of thirty days from the date of arbitration.

13.4.3 That Lead Member and all the member of the Consortium shall continue the performance of the scope of work mentioned in EOI or the subsequent work order/contract/agreement signed with BECIL, during the adjudication of the arbitration proceedings.

13.4.4 That the Lead member along with the other members of the Consortium shall be jointly and severally liable to indemnify BECIL in case of any obstruction/ suspension/ delay abandonment or non-performance of the scope of work due to the invocation of arbitration proceedings.

13.5 INTELLECTUAL PROPERTY RIGHTS

13.5.1 The Consortium Members hereby undertake to ensure that while using any software, hardware, processes, and document or material in the course of performing the Services, it does not infringe the Intellectual Property Rights of any person/ Company. Consortium Members shall keep BECIL indemnified against all costs, expenses and liabilities howsoever, arising out of any illegal or unauthorized use (piracy) or in connection with any claim or proceedings relating to any breach or violation of any permission/ license terms or infringement of any Intellectual Property Rights by Consortium Members or their Team

during the course of performance of the Services.

13.5.2 The Consortium Members would make no claim on the technology / algorithms used in servicing the clients either during the Agreement or ever later. The Parties agrees that consideration mentioned under commercial term of this Agreement is after taking into consideration the cost of intellectual property rights, if any, to be used under this Agreement and no further claim in this regard shall be entertained by BECIL. BECIL shall be kept indemnified by Consortium for any kind of breach of IPR of all the products/ services supplied by it under this Agreement.

13.6 INDEMNITY

13.6.1 The Consortium Members shall jointly and severally indemnify, save, hold harmless and defend BECIL and its officers, servants, employees and agents promptly upon demand and at its expense, from and against any and all suits, proceedings, actions, demands, losses, claims, damages, liabilities, costs (including reasonable attorney's fees and disbursements) and expenses (collectively, "Losses") to which BECIL may become subject, insofar as such losses arise out of, in any way relate to, arise or result from:

a) Any Compensation/ claim or proceeding by any third party against BECIL arising out of any act, deed or omission by the Consortium Member;

b) Any breach by the Consortium Members of any of its obligations under this Agreement or from any negligence under the Contract, including any errors or deficiencies in the performance its scope of work.

14 ASSIGNMENT AND SUB-CONTRACTING

14.1 Neither this agreement nor any of the rights and obligations under it can be assigned to third party by any of the consortium members. Parties may engage sub-contractors with mutual consent of BECIL.

15 GOVERNING LAW AND JURISDICTION

15.1 This agreement is governed by the laws of India and each Party irrevocably and unconditionally submits to the exclusive jurisdiction of the Courts at New Delhi, India.

15.2 The dispute/ claims arising out of the EOI and this agreement shall be subject to the jurisdiction of the competent courts at New Delhi, India.

16 WAIVER

16.1 The failure by Parties/ Members to enforce at any time or for any period any one or more of the terms or conditions of this agreement will not be a waiver by them or of the right at any time subsequently to enforce all terms and conditions of this agreement.

17 SURVIVAL

17.1 The Rights and obligations under this Agreement shall by their nature should survive and remain in effect after termination or expiration of this Agreement.

18 VARIATION

18.1 No variation to this agreement shall be effective unless, the same is approved by BECIL and the same

is recorded in writing signed by a duly authorized officer of the BECIL.

19 LIQUIDATED DAMAGES

13.12.1 Any liquidated damages imposed by BECIL shall be levied among the parties in accordance with mutual sharing ratio agreed between the parties.

IN WITNESS WHEREOF, the parties hereto, intending to be legally bound, have executed this Consortium Agreement as of the date first above mentioned.

This Agreement has been signed on behalf of the parties by their respective duly authorized representatives as of the Effective Date.

M/s	M/s
By:	By:
Name:	Name:
Title:	Title:
Signature of Witness:	Signature of Witness:
Name:	Name:
Title:	Title:

(Annexure- M)

POWER OF ATTORNEY (FOR CONSORTIUM)

ON

RS. 100 STAMP PAPER (NOTARIZED)

WHEREAS,M/s Broadcast Engineering Consultants India Limited is **Mini Ratna, P**ublic Sector Enterprise, falling under the purview of the Ministry of Information and Broadcasting under the Government of India having its Registered Office at 56-A/17, Block-C, Sector-62, Noida -201301 (U.P.) and Head Office at 14-B IP Estate Ring Road, New Delhi -110002 and Corporate office at

That M/s BECIL floated a EOI document numbered Ref. No. …….. dated..... ,
for the ……

WHEREAS **M/s…… & M/s. …… [Insert names of all Members of Consortium /** Sub-contractor(s) **]**, the members of the Consortium are desirous of submitting a Bid in response to the EOI **No. ……, dated ……,** if selected, undertaking the responsibility of implementing the Project as per the terms of the EOI;

WHEREAS the Consortium Members / Sub-contractor(s) have agreed under the Consortium Agreement dated …… *(The date of "Agreement")*, entered into between M/s and submitted along with the Bid to appoint M/s …… as the Lead Consortium Member to represent the Consortium for all matters regarding the EOI and the Bid;

AND WHEREAS pursuant to the terms of the EOI and the Agreement, we, the Members of the Consortium hereby designate M/s …….. as the **Lead Member** to represent us in all matters regarding the Bid and the EOI, in the manner stated below:

Know all men by these presents, we do hereby constitute, appoint and authorize M/s …… *[Insert name and registered office address of the Lead Member]*, which is one of the Members of the Consortium/ Sub-contractor(s), to act as the Lead Member and our true and lawful attorney, to do in our name and on our behalf, all such acts, deeds and things necessary in connection with or incidental to submission of Bid in response to the EOI issued by M/s Broadcast Engineering Consultants India Limited including signing and submission of the Bid and all documents related to the Bid as specified in the EOI document, including but not limited to undertakings, letters, certificates, acceptances, clarifications, guarantees or any other document, which M/s Broadcast Engineering Consultants India Limited may require us to submit.

The aforesaid attorney shall be further authorized for making representations to M/s Broadcast Engineering Consultants India Limited and providing information/ responses to it and representing us and the Consortium in all matters before That M/s Broadcast Engineering Consultants India Limited named in the EOI, and generally dealing with all the matters in connection with the EOI till completion of the bidding process as well as implementation of the Project, if applicable, in accordance with the EOI.

We, as Members of the association, hereby agree to ratify all acts, deeds and things done by our said attorney pursuant to this Power of Attorney and that all acts, deeds and things done by our aforesaid attorney shall be binding on us and shall always be deemed to have been done by us.

All the terms used herein but not defined shall have the meaning ascribed to such terms under the EOI.

Insert the name of the executant Consortium Members/ Sub-contractor(s)] through the hand of Mr./ Ms. …… duly authorized by the Board to issue such Power of Attorney.

Accepted ……
[Signature of Lead Member as Attorney]

…… **[Signature of Authorized Representative as Executant] [Name of Authorized Representative]**
[Designation of Authorized Representative]

……
[Signature of Other Member]
[Signature of Authorized Representative as Executant, of other Member] [Name of Authorized Representative]
[Designation of Authorized Representative]

Witness
1. ……..
2. ……..

Attested: [Signature]
Date: ……. (Notary Public)
Place:

Annexure-N

PRICE BID

PRICE BID					
Identifier	**Item**	**Category**	**Quantity**	**Technical requirement as per client RFP**	**Price**
SW-01	Computer Forensic Analysis Suite, laboratory grade and field grade	Software	79	10.3.3	
SW-02	Alternative-Platform Acquisition and Volume-Decryption Utility	Software	1	10.3.4	
SW-03	Mobile Forensic Acquisition and Analysis Suite, laboratory grade and field grade	Software	83	10.3.5	
SW-04	Authorisation-Gated Advanced Access Capability	Software	1	10.3.6	
SW-05	Lawful Cloud and Account Acquisition Module	Software	1	10.3.7	
SW-06	Central Telecom Analytics Platform	Software	1	10.3.8	
SW-07	Field Telecom Record Analyser	Software	75	10.3.9	
SW-08	Online and Anonymised-Network Investigation Platform	Software	1	10.3.10	
SW-09	Virtual-Asset and Distributed-Ledger Analytics	Software	1	10.3.11	
SW-10	Forensic Media Processing and Playback	Software	1	10.3.12	
SW-11	Media Authenticity and Synthetic-Media Analysis	Software	1	10.3.13	
SW-12	Case and Evidence Management System, unit-local and standalone	Software	76	10.3.14	
SW-13	Authorisation-Gated Credential Recovery	Software	1	10.3.15	
HW-01	Headquarters Forensic Compute and Storage Platform	Hardware	1	10.4.1	
HW-02	Headquarters Backup and Archive Tier	Hardware	1	10.4.2	
HW-03	Forensic Analysis Workstation, laboratory grade	Hardware	11	10.4.4	
HW-04	Forensic Analysis Workstation, field grade	Hardware	82	10.4.5	
HW-05	Acquisition and Processing Node, field grade	Hardware	68	10.4.6	
HW-06	Hardware Forensic Imager	Hardware	8	10.4.7	
HW-07	On-scene Response Kit	Hardware	75	10.4.8	
IN-01	Headquarters Network Zoning and Switching Infrastructure	Infrastructure	1	10.5.2	
IN-02	Headquarters Structured Cabling, Racks and Passive Infrastructure	Infrastructure	1	10.5.3	
IN-03	Field-Unit Local Cabling and Switching Infrastructure	Infrastructure	75	10.5.4	
IN-04	Training Laboratory (30-position) Infrastructure	Infrastructure	1	10.5.5	
IN-05	Headquarters Electrical, Environmental and Laboratory Furnishing	Infrastructure	1	10.5.6	
IN-06	Evidence Storage Cabinet	Infrastructure	161	10.5.7	
IN-07	Uninterruptible Power Supply, unit level	Infrastructure	76	10.5.8	
IN-08	Workstation Uninterruptible Power Supply	Infrastructure	161	10.5.9	

SV-01	Implementation, Rollout and Site Commissioning Service	Service	1 lot	10.7.2	
SV-02	Operations, Maintenance and Support, 36 months	Service	1 lot	10.7.3	
SV-03	Training Delivery, 36 months, two modes, bilingual	Service	1 lot	10.7.4	
SV-04	Spares and Consumables, 36 months	Service	1 lot	10.7.5	
SV-05	Independent Audit and Programme Management Support, 36 months	Service	1 lot	10.7.6	
MP-01	Headquarters Specialist Cadre, to the close of the operations period	Manpower	20 posts	10.6	
RS-01	Technology-Refresh and Extended-Warranty Reserve	Reserve	1	10.8	

Note:

- Products/items mentioned above shall meet all the requirements specified under technical specification.
- List of required softwares/ hardwares has been mentioned in BoQ, however, if it has been felt that some additional softwares/ hardwares will be required to meet the entire scope of work, same may be included.
- The quantity of equipments or sizing mentioned in the BoQ is tentative and shall be finalized only after the engineering stage.

MSME UNDERTAKING **(Annexure – O)**

(To be given on a Rs. 100/- Stamp Paper)

This Undertaking is made on this ___ day of _____**,** *2025*, by: _____

M/s. [Name of Bidder], having its registered office at…….. [**address**] (hereinafter referred to as the "**Bidder**", which expression shall, unless repugnant to the context or meaning thereof, be deemed to include its successors, legal representatives, and permitted assigns);

IN FAVOUR OF:

Broadcast Engineering Consultants India Limited (BECIL), a distinguished Mini Ratna Public Sector Enterprise, having its Corporate Office at BECIL Bhawan, C-56, A/17, Sector-62, Noida - 201307(UP) (hereinafter referred to as the "**BECIL**", which expression shall, unless repugnant to the context or meaning thereof, be deemed to include its successors, legal representatives, and permitted assigns).

WHEREAS:

1. The **Principal Employer/client**, have awarded the work for execution of the project to BECIL.
2. BECIL through this EOI intends to onboard on agency / agencies for Procurement and Installation of CCTV Cameras and Accessories.
3. As per the terms of the EOI, BECIL shall release payment to the selected Bidder/bidders only after receiving the payment from the Principal Employer**/**client.

NOW THEREFORE, the bidder hereby undertakes and agrees as follows:

1. The bidder acknowledges and confirms that the BECIL shall be liable to make payments only upon receipt of corresponding payments from the Principal Employer/client. Accordingly, the bidder shall not raise any claims, demands, interest, compensation, or initiate any legal proceedings against the BECIL for any delay in payment arising out of delayed release of funds by the Principal Employer/client.

2. The Bidder waives any rights under the Micro, Small and Medium Enterprises Development Act, 2006 (MSMED Act) or any similar legislation or regulation, to the extent such rights conflict with the agreed payment terms under the Subcontract Agreement. The bidder further waives its right to claim Interest on delayed payment by the BECIL, under the Micro, Small and Medium Enterprises Development Act, 2006 (MSMED Act) or any similar legislation or regulation for the time being in force in India.

3. This obligation shall survive the termination or expiry of the Contract signed with the successful bidder selected through this EOI process.

Signature & Stamp of Bidder

(Annexure- P)

PRE-BID AGREEMENT

By and amongst

Broadcast Engineering Consultants India Ltd
(A Government of India Enterprise)
C56 / A 17 Block C Sector 62 Noida 201307

And

M/s ……

And

M/s ……

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SCHEDULE 1: DETAILED SCOPE OF WORK

PRE-BID AGREEMENT

This Pre-Bid Agreement is executed at Noida on this ……th day of 2026 ("Effective Date").

Between

Broadcast Engineering Consultants India Limited, a Mini Ratna Public Sector Enterprise of the Government of India having its Registered Office at 56-A/17, Block-C, Sector-62, Noida -201301 (U.P.) and Head Office at 14-B IP Estate Ring Road, New Delhi -110002 acting through Binay Kumar Tiwari (hereinafter referred to as "BECIL or First Party") which expression shall unless repugnant to the context or meaning thereof, include its successors, authorized representatives and permitted assigns.

AND

CONSORTIUM OF TECHNICAL PARTNERS

M/s ……., registered under the Companies Act, 2013, having registered office at …… acting through Mr. …….. (hereinafter referred to as "Lead Member" or "……") which expression shall unless repugnant to the context or meaning thereof, include its successors, authorized representatives and permitted assigns.

AND

M/s ……., registered under the Companies Act, 1956, with its registered office at …….. acting through …… (hereinafter referred to as "Second Member" or "……") which expression shall unless repugnant to the context or meaning thereof, include its successors, authorized representatives and permitted assigns.

The Consortium Technical Partners consisting of M/s ……., M/s…….. and M/s ……., hereinafter shall be jointly referred to as "Backend Consortium",

BECIL, M/s …….. and M/s …….. are individually referred to as "Party" and collectively as "Parties".

ARTICLE 1: PREAMBLE

WHEREAS BECIL represents that it is an ISO 9001:2015, 27001:2013, ISO/IEC 20000:2012 certified, Mini Ratna, Central Public Sector Enterprise (CPSE) of Government of India, which was established on 24th March 1995. BECIL provides Project Consultancy services, Turnkey solutions, System integration, Operation & Maintenance for the entire gamut of radio and television broadcast engineering. BECIL has also diversified into the domain of businesses pertaining to Strategic National Importance and has won major Projects/ Tenders in the field of Security & Surveillance, IT Networking & Data Centre and Communication Intelligence, Third Party Audit of Optical Fiber Networks.

WHEREAS M/s …… is a leading service provider of turnkey solutions in ……

WHEREAS M/s …….. is a leading consultancy service provider of turnkey solutions in ……

WHEREAS M/s …….. is a leading consultancy service provider of turnkey solutions in ……..

WHEREAS …… (hereinafter called ……") has issued a tender vide tender no. …… for "…… hereinafter referred to as "Tender"/"Work"/"Project" (hereinafter called as Tender or …… or Primary Tender).

WHEREAS BECIL published EOI No. …….. (hereinafter referred as "BECIL's EOI") for selection of Backend Consortium for …… tender.

AND WHEREAS M/s …… with its Consortium Partner M/s …… have been selected as Backend Consortium through the BECIL's EOI process.

AND WHEREAS Parties have accepted to execute the contract if awarded by ……. and shall abide by all terms and conditions of such contract signed thereof.

AND WHEREAS BECIL & Backend Consortium have jointly accepted to collaborate to prepare and submit its competitive bid against the Tender for …… vide tender No. RFP No. ……..

AND WHEREAS The Backend Consortium have signed a consortium agreement and defined M/s ……. as "Lead Member" to deal with BECIL.

AND WHEREAS, this Pre-bid agreement is executed solely for the purpose to bid for the tender issued by ……. for …….. and may be superseded by an inter se agreement once the tender is awarded to BECIL.

AND WHEREAS, it is expressly understood and agreed by the Parties that this Agreement is contingent upon the award of the project to BECIL, and in the event that the said project is not awarded to BECIL for any reason whatsoever, this Agreement shall automatically become null and void, without any further obligation, liability, or claim arising between the Parties hereunder.

AND WHEREAS the parties agreed to join its hand on following terms & conditions:

1.1 In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the agreement documents referred to.

1.2 The Parties wish to work together with the understanding that BECIL shall act as the bidder (sole bidder) and Backend Consortium as Back end partners for participating in the ……..

1.3 The following documents shall be deemed to form and be read and construed as part of this Agreement–

1.3.1 Tender for …… vide …….. RFP No. …… and addenda/corrigenda thereof.

1.3.2 BECIL's EOI No. …….. for selection of consortium partner for ……

1.3.3 Bid received for Backend Consortium against the BECIL's EOI.

ARTICLE 2: GENERAL

2.1. PURPOSE

2.1.1 BECIL, as the sole bidder, shall participate in the bidding process in primary tender of …….. The other party shall function as a Backend Consortium to support BECIL in fulfilling its obligations under the bid.

2.1.2 The Backend Consortium hereby undertakes not to participate individually, directly or indirectly, or as part of any other consortium/ arrangement for said tender, either independently or through any of its associates.

2.2. Representation of the Parties: Backend Consortium represent to BECIL that as on date of signing this Agreement:

2.2.1 Backend Consortium is duly organized, validly existing and in good standing under the laws of its incorporation and has all requisite power and authority to enter into this Agreement.

2.2.2 That the execution, delivery and performance by Backend Consortium of this Agreement has been authorized by all necessary and appropriate corporate or governmental action, and will not, to the best of its knowledge:

a. Require any consent or approval not already obtained;
b. Violate any Applicable Law presently in effect and having applicability to it;
c. Violate the Agreement and articles of association, by-laws or other applicable organizational documents thereof;
d. Violate any clearance, permit, concession, grant, license or other governmental authorization, approval, judgment, order or decree or any mortgage contract, indenture or any other instrument to which Backend Consortium is a party or by which Backend Consortium or any of their properties or assets are bound or that is otherwise applicable to Backend Consortium;
e. Create or impose any license, mortgages, pledges, claims, security interests, charges or Encumbrances or obligations to create a lien, charge, pledge, security interest, encumbrances or mortgage in or on the property of such Party, except for encumbrances that would not, individually or in the aggregate, have a material adverse effect on the financial condition or prospects or business of Backend Consortium so as to prevent such Parties from fulfilling their obligations under this Agreement.

2.2.3 Backend Consortium has not been black-listed by Central/ State Government or any other Government PSU and are not facing/ likely to face any disciplinary proceedings under Indian or under laws of any other country.

2.2.4 That this aforementioned TENDER is the legal and binding obligation of such Parties, enforceable in accordance with its terms against it;

2.2.5 That there is no litigation pending or, to the best of Backend Consortium knowledge, threatened to which it or any of its affiliates is a party that presently affects or which would have a material adverse effect on the financial condition or prospects or business of such Party in the fulfillment of its obligations under this Agreement.

2.2.6 That there is no legal action/dispute initiated or pending on Backend Consortium at the time of signing of this Agreement which is likely to concern or affect BECIL in any manner. If any such case is found pending, the agreement will automatically become invalid and the agency will be penalized by withholding the

EMD/ PBG and legal action will be initiated as deemed fit by the competent authority. All ongoing and future business association with BECIL will also be terminated.

ARTICLE 3: PROJECT BACKGROUND AND SCOPE OF WORK

3.1 PROJECT BACKGROUND

This project envisages for SITC/ EOI / ……. …….

.

3.2 SCOPE OF WORK

The detailed scope of work has been given in the Schedule- I to this Agreement. For the detailed scope of work Backend Consortium shall also refer to the primary tender document, its amendments in the form of addenda/corrigenda and subsequent contract signed between BECIL & …….. in the event of award of tender.

ARTICLE 4: ROLES AND RESPONSIBILITIES

4.1 Both BECIL and Backend Consortium shall be jointly and severally responsible for compliance of all the terms and conditions of the ……EOI / RFP, this agreement and BECIL's contract with ……. relating to performance of this agreement. Any noncompliance by either party of the Backend Consortium shall be treated as a breach of this agreement.

4.2 BECIL and Backend Consortium hereby mutually agree that both of them shall remain as irrevocable members of this tie-up for the complete execution and completion of ……. Tender/Work/Project (as per scope of aforementioned BECIL's EOI & …… tender).

4.3 DUTIES & OBLIGATIONS OF BACKEND CONSORTIUM

4.3.1. Backend Consortium will supply entire range of goods & services for efficient completion of scope of works under the …… tender.

4.3.2. For the project to be undertaken, Backend Consortium would formulate state-of-the-art, optimum and General Standards of performance. Backend Consortium shall carry out the Services with due diligence and efficiency, and shall exercise such skill and care in the performance of the services as is consistent with recognized professional standards. Backend Consortium shall act at all times so as to protect the interests of BECIL.

4.3.3. Backend Consortium has read and understood the terms and conditions of the …….. tender and it agree to support BECIL in abiding by those terms and conditions.

4.3.4. Backend Consortium confirms that they understood on-ground technical complication and they agree to have taken into consideration the manpower required on the basis of the scope of work.

4.3.5. Backend Consortium has understood the requirement in terms of Right of Way (ROW), Terrain and other clearances required to execute the project. They agree to manage these requirements at their own cost without any liability on BECIL in this regard.

4.3.6. Backend Consortium have agreed to accept all the challenges with regard to Time Overrun, Cost Overrun, payment terms & Liquidated Damages & Penalties and confirm, to abide by the timeline in-case the project is awarded.

4.3.7. Backend Consortium has agreed to accommodate the change in scope of work by …….. whether or not incidental and ancillary, to achieve the objective as per the …….. tender requirement, without any additional cost to BECIL.

4.3.8. Backend Consortium have agreed to abide by all the terms on back to back basis as per the System Integrator duties and Obligations as specified in the …… tender.

4.3.9. Backend Consortium shall be responsible for the detailed Scope of Work at Clause 3.2 and Schedule 1 of this agreement.

4.3.10. Since payment conditions are on back to back basis and time is the essence of the project; Backend Consortium should maintain sufficient liquidity/funds for timely and smooth execution of the project.

4.3.11. Prior to bidding, details about CV required by client shall be worked out mutually.

4.4 DUTIES AND OBLIGATIONS OF BECIL

4.4.1. BECIL shall act as coordinator/Project Management Consultant of the consortium combined activities. Providing timely feedbacks and correspondences with the …….. on the various stages of project deliverables.

4.4.2. To ensure the technical, commercial and administrative coordination of the work package.

4.4.3. To lead the contract negotiations of the work package with the …….. authority.

4.4.4. BECIL is authorized by Backend Consortium partners to receive instruction and incur liabilities for and on behalf of all parties.

4.4.5. In the event of project getting awarded, BECIL shall act as the only channel of communication between the ..... authority and the Consortium Partners / parties to execute the project/ Agreement.

4.4.6. In the event that a project office is required to be opened at ……., the same shall be established and maintained with the necessary office infrastructure, as may be required for the execution of the project.

4.4.7. In the event of award of the project to BECIL, BECIL shall deploy or appoint Project Coordinator(s), as required, to manage the project and ensure effective coordination with the client and Consortium Partners.

4.5 RESPONSIBILITY MATRIX

In addition to the aforementioned duties and obligations of the parties, the Agreement will cover the following scope to be undertaken by Parties as mentioned in the Responsibility Matrix given below.

P-Primary Responsibility
S-Secondary Responsibility J- Joint Responsibility

N- No Responsibility

S. NO.	Description	BECIL	BACKEND CONSORTIUM
	PRE-BID RESPONSIBILITY		
1.	Pre-bidding site survey, if any	S	P
2.	Fully complied technical bid response preparation as per tender Terms & Conditions.	J	J
3.	Competitive commercial bid preparation as per tender	J	J
4.	Documentation and correspondence with the customer.	P	N
5.	Provisioning of EMD/ Bid Security as per tender requirement.	P	S
6.	Provision of Back to Back EMD except by MSE/Start Ups as per GoI guidelines.	N	P
7.	Provisioning of any other required document for bidding.	J	J
8.	Submission of complete techno-commercial offer to the customer in requisite mode.	J	J
9.	Any Presentation if required during the tender evaluation.	S	P
10.	Any other relevant follow up, correspondence and meetings with customer.	P	S
	POST-BID RESPONSIBILITY (In the event of winning the contract)		
1.	Signing of contract/agreement with the ...../Letter of Acceptance (LOA)	P	N
2.	Submission of PBG to	P	N
3.	Submission of back to back PBG to BECIL	N	P
4.	Any relevant follow up, correspondence and meeting with the customer	P	S
5.	Coordination of Project execution in accordance with planned milestone.	P	S
6.	On-site monitoring in order to ensure timely completion.	S	P

S. NO.	Description	BECIL	BACKEND CONSORTIUM
7.	Keeping a track of project timelines/PERT chart and corresponding followup with customer including maintain the documentation of project Execution.	P	S
8.	Executing the entire Scope of Work to the satisfaction of the	S	P
9.	Providing project finance/working capital for timely execution of the project.	N	P
10.	Interaction with the client for project delivery and acceptance	P	S

4.6 COVENANTS: The Parties hereby undertake that in the event the BECIL is declared the selected bidder and awarded the project, BECIL shall enter into an Agreement with ..... or Shall be awarded a work order for performing all the obligations as System Integrator.

4.7 JOINT AND SEVERAL LIABILITY

4.7.1. The Parties do hereby undertake to be jointly and severally responsible for all obligations and liabilities relating to the package and in accordance with the terms of the RFP, which is limited to revenue sharing ratio. M/s ..... and M/s ..... shall also be jointly and severally responsible as back end consortium for execution of this project.

ARTICLE 5: COOPERATION OF THE TRANSACTION

5.1 The parties agree to abide by the broad Responsibility Matrix mentioned above forms an integral part of this Agreement including all the tender terms such as General Requirements, Technical Parameters, Commercial Aspects, Evaluation and Acceptance criteria of the tender, Guarantee/ Warranty terms etc.

5.2 Expenses towards preparation of proposal, submission of bid and other allied activities for submission of bid will be undertaken by the respective parties at their own cost.

5.3 The cooperation for execution of the Project between the parties hereto shall be exclusive, i.e., neither of them shall without the other party's consent - alone or together with another PARTY take part in any agreement or proposal with regard to this tender No. 14(1)2025-26EI(P)TV dated 30.10.2025.

ARTICLE 6: PERIOD OF AGREEMENT

6.1 The term of this agreement shall be for 36 Months ("Term") from the date of signing of this agreement ("Effective Date") or till the completion of the project & release of all payments thereof whichever is later. All obligations hereunder shall only apply during the Term of this agreement and to such obligations and commitments in relation to the Tender/Work/Project under the scope of BECIL's EOI & Doordashan tender, as may have been undertaken by the Parties during the Term with validity exceeding the Term. The Term of this agreement can be extended by mutual agreement between the Parties, depending upon the requirement.

NB- Completion shall mean certificate of Completion issued by BECIL.

ARTICLE 7: PAYMENT AND COMMERCIAL

7.1 BECIL will Provision the EMD to ..... as per the Primary tender requirement.

7.2 Lead member of the Backend Consortium will provision for Back to Back EMD of equal amount to BECIL, except in case the Backend Consortium is MSME/Start Ups and are exempted from paying EMD as per GOI guidelines.

7.3 BECIL shall furnish Performance Security in the form of PBG as per the terms and conditions of primary tender.

7.4 Lead Member of the Backend Consortium will furnish back to back performance Security in the form of PBGs (of equal amount), as well as Bank Guarantees required for payment milestones, to BECIL as per the terms & conditions of the primary tender. The PBG shall remain valid up to 60 days (as per EOI) beyond the date of expiry/date of claim of the PBG submitted by BECIL to the Client.

7.5 Lead Member of the Backend Consortium will raise its invoices to BECIL based on milestone completion. BECIL will then raise the invoices to ..... (as per relevant clause of primary tender) after getting the relevant documentary proofs of successful completion of the said milestones from Backend Consortium.

7.6 BECIL shall be entitled to keep **……..%** of the project value (of bid value including taxes submitted by BECIL to .....) as its project management consultancy.

7.7 Upon receipt of corresponding payment from the ....., BECIL shall disburse the payment to Lead Member of the Backend Consortium within 15 days of receipt of the payment from ..... after deduction of BECIL project management consultancy as per clause 7.6 and expenses as per clause 7.9 and BG making charges, if any.

7.8 All Invoices received from Lead Member of the Backend Consortium would be inclusive of all statutory taxes/ GST. BECIL will consider invoices raised by Backend Consortium to submission of all relevant documents and in case the documents are not proper, BECIL is liable to reject the invoices.

7.9 In the event BECIL is required to establish and operate an office in terms of Clause 4.4.6, all expenses incurred towards such office, including but not limited to rent, maintenance charges, and electricity charges, shall be construed as “Direct Expenses” or “Project Expenses” and shall be recoverable from the amounts payable to the Backend Consortium.

Further, the salaries/remuneration paid to manpower deployed in accordance with Clause 4.4.7, engaged on the payroll of BECIL specifically for the purposes of this Project, shall likewise be treated as “Direct Expenses” or “Project Expenses” and shall be deducted/recovered from the amounts payable to the Backend Consortium.

7.10 Salaries paid to the manpower deployed on the payroll of BECIL and Office rent (if any) paid for this project as per clause 7.9 above, shall be recovered by BECIL from the stage-wise Milestone payments payable to Backend Consortium.

7.11 Notwithstanding anything contained in any other agreement, document, correspondence,

arrangement between the parties in respect of ..... Tender/ Works / Projects, Backend Consortium understands, agrees and undertakes that:

7.11.1 Backend Consortium participated in BECIL's EOI and that all terms & conditions of the BECIL's EOI shall apply to Backend Consortium.

7.11.2 As per Clause 3.10(iii) of the BECIL's EOI, All payments in the Project to the selected agency shall be on back-to-back basis only subject to receipt of corresponding payment from the client. An advance payment may be made to the selected agency, only if BECIL, receives an advance from the customer, provided the selected agency submits a bank guarantee (BG) of 110% of amount to BECIL in addition to the PBG.

7.11.3 Backend Consortium will not demand or make any claim under any law with respect to the pending payment till the time corresponding payment is received by BECIL from ..... BECIL shall not be responsible in any manner whatsoever for any delay in releasing the payments or withholding of payments by .....

7.11.4 The (day) date of delivery of goods and/or rendering of services by Backend Consortium shall be the date or realization of payment from the ..... once the goods and/or services are accepted by .....

7.11.5 The stage wise invoices raised by Lead Member of the Backend Consortium maybe accepted by BECIL, however, the date of completion of the milestone / delivery of goods or services shall only be recognized for invoice and its payment when the respective acceptance of goods or services and payment thereof is received from .....

7.11.6 If in the instant contract, Lead Member of the Backend Consortium is acting only as trader / reseller / distributor/ authorized agents and/ or is engaged in a WORKS contract, no benefits under MSME Act 2006 and PPP Policy 2012 as per MSE Guidelines issued by Ministry of MSME would be applicable to it on account of acceptance of back to back payment terms as above. By agreeing to the terms of ..... Tender, the Backend Consortium agrees to forgo its rights under this Act and Policy.

7.11.7 Lead Member of the Consortium/Backend Consortium hereby agrees to ensure timely GST compliances as per the statutory requirements. All the costs pertaining to any GST non-compliance including but not limited to any loss of eligible input tax credit due to non-payment/non-filing of GST return and applicable interest/penalties shall be borne/indemnified by Backend Consortium Further Backend Consortium hereby agrees that BECIL reserves the right for reimbursement of any such cost incurred out of the aforesaid noncompliance(s). ..... will provide proof of payment of GST i.e. GSTR-1, GSTR-3B, etc. for taking GST payment from BECIL against invoices.

7.12 Any sum of money due and payable to Lead Member of the Consortium/Backend Consortium, under this contract for ..... tender entered between the parties herein whether continuing or completed may be appropriated by BECIL and set off against any claim of BECIL of any nature whatsoever, arising under this contract or any other contract entered into between the parties, herein whether continuing or complete.

7.13 There may be expenses towards Office establishments/ Purchase of fixed assets (with mutual consent) in the project. All such expenditure must be treated as direct expenditure and will be borne by directly Backend Consortium.

7.14 BECIL, upon receipt of payment from ....., shall obtain the approval of the BECIL's competent authority on the admissible payment worked out after deduction of expenses incurred by BECIL towards reimbursement of salaries paid and office rent in accordance with clause 7.9 & 7.10, and bank charges incurred for BG, statutory liabilities and BECIL's Margin (Project Management Consultancy) as per clause 7.6, etc. as per terms and conditions of the Consortium Agreement

ARTICLE 8: GENERAL TERMS & CONDITIONS

(These standard conditions are applicable to the Bidder/ to each member of the consortium)

8.1 AGENCY

This Agreement between the parties is on a principal to principal basis and it is agreed that Backend Consortium is not and shall not represent itself as an agent of BECIL.

8.2 CONFIDENTIALITY AND NON-DISCLOSURE

8.2.1 The Backend Consortium recognizes, accepts and agrees that disclosure of Confidential information to the Staff shall be only on a need-to-know basis and only those staff who are involved in rendering the services and need to have access would alone be informed of Confidential information.

8.2.2 The Backend Consortium recognizes, accepts and agrees that all tangible and intangible information obtained or disclosed to the Bidder's and/or its staff, including all details, documents, data, business/ customer information and the BECIL 's practices and trade secrets (all of which are hereinafter collectively referred to as "confidential information") which may be communicated to the Backend Consortium . 's and/or its facility staff may be privy under or pursuant to this Contract and/or in the course of performance of the Backend Consortium 's obligations under this Contract shall be treated, as absolutely confidential and the Backend Consortium . irrevocably agrees and undertakes and ensures that all its facility staff shall keep the same as secret and confidential and shall not disclose the same at all in whole or part to any Person or persons (including legal entities) an any time or use nor shall allow information to be used for any purpose other than that as may be necessary for the due performance of the Backend Consortium obligations hereunder except when required to disclose under the due process and authority of law.

8.3 INTELLECTUAL PROPERTY RIGHTS

8.3.1 Deliverable, outputs, plans, drawings, specifications, designs, reports and other documents and software submitted by the Bidders under this EOI and subsequent to this EOI in relation with this tender shall become and remain the property of BECIL/procuring entity and subject to laws of copyright, must not be shared with third parties or reproduced, whether in whole or part, without BECIL's/ the procuring entity's prior written consent.

8.3.2 The Backend Consortium shall, not later than upon termination or expiration of this Contract and/or subsequent Agreement/Contract signed with the Backend Consortium, deliver all such documents and software to BECIL/the procuring entity, together with a detailed inventory thereof.

8.3.3 The Backend Consortium shall not incorporate any materials, technology or any item or thing that involves the use of intellectual property rights or proprietary rights that the Backend Consortium does not have the right to use or that may result in claims or suits against BECIL arising out of claims of infringement of any intellectual property rights or other proprietary rights.

8.3.4 The Backend Consortium shall perform all acts necessary to obtain and continue to have all necessary licenses, approvals, consents of third parties free from any encumbrances and all necessary technology, hardware and software to enable it to perform its obligations under this Contract. If license agreements are necessary or appropriate between the Backend Consortium and third parties for purposes of enabling, enforcing or implementing the provisions hereinabove, the Bidder shall be under an obligation to enter into such agreements at its own sole cost, expense and risk.

8.4 RISK & COST CLAUSE

8.4.1 In case of persistent breach/default of the terms and conditions of the Contract and due to abnormal delay (beyond the maximum late delivery in the Liquidated damages clause) in supplies, defective supplies or non-fulfilment of any of the terms and conditions of the RFP and the Work Order, BECIL may cancel the contract/Work Order in full or part thereof, and will procure supplies/equipment's or ensure the execution of work or any pending service in case of service contract from other willing vendor at the risk and cost of the Bidder/Agency.

8.4.2 Risk & Cost Clause, in line with Conditions of Contract may be invoked in any of the following cases:

8.4.3 Agency/ Bidder's poor progress of the work vis-à-vis execution timeline as stipulated in the Contract, backlog attributable to Agency including unexecuted portion of work/ supply does not appear to be executable within balance available period.

8.4.4 Withdrawal from or abandonment of the work by Agency/Bidder before completion of the work as per contract.

8.4.5 Non completion of work/ Non-supply by the Agency/ Bidder within scheduled completion/delivery period as per RFP or as extended from time to time, for the reason attributable to the Agency/ Bidder.

8.4.6 Termination of Contract on account of any other reason (s) attributable to Agency/ Bidder.

8.4.7 Assignment, transfer, subletting of Contract by the Agency/Bidder without BECIL's written permission resulting in termination of Contract or part thereof by BECIL.

8.5 EXTENSION OF TIME

8.5.1 It is hereby agreed that BECIL shall by mutual agreement update and extend the timeline/ milestone for the completion of work after discussion with the Client and its officials.

8.5.2 Any period within which Backend Consortium is unable to complete the work or perform its obligations due to persistence of force majeure event, shall be extended for a period equal to the time during which the Backend Consortium was unable to perform such action.

8.5.3 Any extension of time agreed upon mutually shall be documented in writing and signed by both the parties to be affected.

8.6 LIQUIDATED DAMAGES

If the Backend Consortium fails to achieve the completion of the work in accordance with the scheduled completion date as given in the RFP or the subsequent Work Order issued thereto, BECIL may without prejudice to any other right or remedy available to it as under the Contract or Law:

8.6.1 In case of any liquidated damages imposed on BECIL by the Client, BECIL shall pass on the entire amount of liquidated damages to the bidder/ selected agency on back-to-back basis.

8.6.2 The amount towards Liquidated Damages shall become leviable from the scheduled completion date or from the expiry of the extension, if any, given by BECIL without the levy of Liquidated damages.

8.6.3 BECIL may without prejudice to its right to effect recovery by any other method, deduct the amount of Liquidated Damages from any money belonging to the Bidder which has become due or payable (which shall also include BECIL 's right to claim such amount against Bidder's Bank Guarantee)

8.6.4 Any such recovery of Liquidated Damages shall not in any way relieve the Bidder from any of its obligations to complete the works or from any other of its other obligation and liabilities under the Contract.

8.7 UNDUE INFLUENCE

8.7.1 The Backend Consortium undertakes that it has not given, offered or promised to give, directly or indirectly, any gift, consideration, reward, commission, fees, brokerage or inducement to any person in service of the BECIL or otherwise in procuring the Contracts or forbearing to do or for having done or forborne to do any act in relation to the obtaining or execution of the present Contract or any other Contract with the Government of India for showing or forbearing to show favor or disfavor to any person in relation to the present Contract or any other Contract with the Government of India.

8.7.2 Any breach of the aforesaid undertaking by the Backend Consortium or any one employed by it or acting on its behalf (whether with or without the knowledge of the Agency) or the commission of any offers by the Agency or anyone employed by him or acting on his behalf, as defined in the Bharatiya Nyaya Sanhita, erstwhile known as the Indian Penal Code, 1860 or the Prevention of Corruption Act, 1986 or any other Act enacted for the prevention of corruption shall entitle BECIL to cancel the contract and all or any other contracts with the Backend Consortium and recover from the Backend Consortium the amount of any loss arising from such cancellation.

8.8 UNETHICAL PRACTICE

8.8.1 If the Backend Consortium has engaged in corrupt, fraudulent, collusive and coercive practices or defaulted commitments under integrity.

8.8.2 Any intentional omission or misrepresentation in the documents submitted by the Backend Consortium for the purpose of due diligence or for the execution of any act essential for the execution of the Project.

8.8.3 If the Backend Consortium uses intimidation / threats or bring undue outside pressure on BECIL or any of its official for acceptance / performances of the deliverable/qualified work under the contract:

8.9 PENALTY FOR UNETHICAL PRACTICE AND UNDUE INFLUENCE

8.9.1 Forfeiture of Bank guarantee or any other bond or bid security submitted by the Backend Consortium .Cancellation/ termination of the Contract with the liberty to recover the accrued losses/damages from the pending bills raised by the Bidder against the delivery of material and execution of work.

8.9.2 Initiation of arbitration /legal proceedings to recover losses or damages incurred by BECIL due to the violation of ethical practice or use of undue influence by the Backend Consortium.

8.10 PENALTIES

8.10.1 In the event of any penalties, deductions, disincentives, or charges levied by the ..... due to poor or substandard quality of work, non-compliance with service standards, or any deficiencies related to the assigned scope of work, the same will be recovered from the bills submitted by the System Integrator.

8.10.2 The System Integrator shall bear the full financial responsibility for such penalties or deductions imposed on BECIL by [..... and will not be entitled to claim any reimbursement or adjustment for the same.

8.11 TERMINATION

8.11.1 Termination of Contract by BECIL due to unsatisfactory performance

8.11.1.1 If the Backend Consortium refuses or fails to execute the specified quantum of work or any separate part thereof with diligence or ensure its completion within the time specified in the RFP, or subsequent work order issued thereto, then it shall be open to BECIL at its option by written notice to the Backend Consortium to-:

8.11.1.2 To terminate the contract without prejudice to any other remedy available under the Contract. That a notice of cure, highlighting the deficiency or problem shall be served on the Backend Consortium by BECIL, with an opportunity to cure the same within a window period of 15 days. That on the non-resolution of deficiency, a notice of termination shall be served on Backend Consortium and the Contract shall be deemed terminated after a period of 15 days from the date of notice of termination.

8.11.1.3 That the contract shall stand terminated and shall cease to be in force and in effect after a fifteen day period from the date of the notice of termination. The Backend Consortium in consequence of the above, shall stop forthwith any of its work then in progress, except such work as BECIL may, in writing, require to be executed at the designated site/premises.

8.11.1.4 That the whole or part of the performance security furnished by the Backend Consortium is liable to be forfeited without prejudice to the right of BECIL to recover from the Backend Consortium any accruing or incurred losses or damages, on account of termination of contract due to unsatisfactory performance/ delay in execution of work.

8.11.2 Termination due to breach

8.11.2.1 BECIL may, without prejudice to any other remedy available for the breach of contract, may terminate the contract in sub-sequence to non –resolution of deficiency after the service of a notice of cure with a window period of fifteen days. After the end of the cure period, a 15 (fifteen) days' notice shall be served on the Backend Consortium , and the contracts shall be deemed terminated after the end of the period of fifteen days from the date of notice of termination.

8.11.2.2 The following sub-clauses shall attract the provision of termination, in the event if -:

a. If the Backend Consortium abandoned or repudiated the Contract;
b. If the Backend Consortium has without valid reason failed to commence work on the project promptly;
c. If the Backend Consortium has persistently failed to execute the works/express deliverable in

accordance with the Contract or persistently neglects to carry out its obligations under the Contract without just cause;

d. If the Backend Consortium defaults in proceeding with the works/job with due diligence and continues to do so after a notice in writing of fifteen (15) days from BECIL;

e. If the Backend Consortium has obtained the contract as a result of undue influence or has adopted unethical means/corrupt practices.

f. if the information submitted/furnished by the Backend Consortium is found to be incorrect;

8.11.2.3 That any pending bills/ invoices raised by the Backend Consortium, prior to or post the termination of the contract on account of its breach of terms and conditions shall be put on hold for a period of six weeks, and any amount deducted by the Client against the bills raised by BECIL shall be consequently deducted from the bills raised by the Backend Consortium, respectively.

8.11.3 Termination due to Insolvency

8.11.3.1 If the Backend Consortium dissolves or become bankrupt or insolvent or cause or suffer any receiver to be appointed for its business of any assets thereof compound with his Creditors, or being a corporation commence to be wound up, not being a member's voluntary winding up for the purpose of amalgamation or reconstruction, or carry on its business under a Receiver for the benefits of its Creditors any of them, then BECIL shall be at liberty :-

8.11.3.2 To terminate the contract forthwith upon coming to know of the happening of any such event as aforesaid by a fifteen day notice in writing to the Backend Consortium or to give the Receiver or liquidator or other person, the option of carrying out the contract subject to its providing a guarantee upto an amount to be agreed upon by BECIL for due and faithful performance of the contract.

8.11.4 Termination for Convenience

BECIL can terminate the Agreement by serving a 30 day notice without assigning any cause or reason on the part of Backend Consortium. The contract shall be deemed terminated after a period of 30 days from the date of termination notice.

8.12 POST TERMINATION RESPONSIBILITY

8.12.1 In all cases of termination herein set forth, the obligations of BECIL to pay shall be limited to the period upto the date of termination, subject to the receipt of such payment from the Client.

8.12.2 That any pending bills raised by the Backend Consortium, prior to or post the termination of the Contract on account of the breach of the terms and conditions of the contract, shall be put on hold, till the time, the corresponding payment is received from the Client and any amount deducted by the Client against the bills raised by BECIL shall be consequently deducted from the bills raised by the Bidder respectively.

8.12.3 The Backend Consortium shall forthwith stop any of its work then in progress, except such work as BECIL may, in writing, require to be executed at the designated site/premises.

8.12.4 That in the event of termination under clause 8.12.1 and 8.12.2 the whole or part of the performance security furnished by the Backend Consortium is liable to be forfeited without prejudice to the right of BECIL to recover from the Backend Consortium. any accruing or incurred losses or damages, on account of termination of contract due to unsatisfactory performance/ delay in execution of work

8.13 TAXES

8.13.1 Backend Consortium shall bear all taxes and duties etc. levied or imposed on them under the Agreement including but not limited to, Customs duty, Excise duty, GST, any other taxes and all Income Tax levied under Indian Income Tax Act – 1961 or any amendment thereof during the entire Agreement period.

8.13.2 Should Backend Consortium fail to submit returns/ pay taxes in times as stipulated under applicable Indian/ State Tax Laws and consequently any interest or penalty is imposed by the concerned authority, Backend Consortium shall pay the same. Backend Consortium shall indemnify BECIL against any and all liabilities or claims arising out of this Agreement for …… tender for such taxes including interest and penalty by any such Tax Authority may assess or levy against the BECIL.

8.14 INDEMNITY

8.14.1 The Bidder shall indemnify, save, hold harmless and defend BECIL and its officers, servants, employees and agents promptly upon demand and at its expense, from and against any and all suits, proceedings, actions, demands, losses, claims, damages, liabilities, costs (including reasonable attorney's fees and disbursements) and expenses (collectively, "Losses") to which BECIL may become subject, insofar as such losses arise out of, in any way relate to, arise or result from:

a. Any Compensation/ claim or proceeding by any third party against BECIL arising out of any act, deed or omission by the Backend Consortium ;
b. Any breach by the Backend Consortium of any of its obligations under this Contract or from any negligence under the Contract, including any errors or deficiencies in the performance its scope of work.

8.14.2 That BECIL shall have no liability whatsoever for any injury/death to the staff of Backend Consortium caused or suffered during the performance of it's obligations hereunder

8.15 ASSIGNMENT AND SUB-CONTRACTING

8.15.1 Neither this agreement nor any of the rights and obligations under it can be assigned by any party. Parties may engage sub-contractors by mutual consent.

8.15.2 Backend Consortium shall not participate directly or indirectly whether in consortium or separately in ..... Tender and shall not quote rates to any other party participating/pre-qualified for the current ..... Tender directly or indirectly through its subsidiary, partnership, ownership, individual firm etc.

8.16 FORCE MAJEURE

8.16.1 For the purpose of this Contract, the term "Force Majeure" shall mean an event which is beyond the reasonable control of a Party, is not foreseeable, is unavoidable and not brought about by or at the instance of the Party claiming to be affected by such events and which has caused the non-performance or delay in performance ,and which makes a Party's performance of its obligations hereunder impossible or impractical as reasonable to be considered impossible in the circumstance, inclusive of but not limited to war, riots, civil disorder, earthquake, fire, strikes, lockouts or other industrial action (except where such strikes lockouts or other industrial action are within the power of the Party invoking Force Majeure to prevent) , confiscation or any other action by the Government Agencies.

8.16.2 Force Majeure shall not include (i) any event which is the caused by the negligence or intentional action of a Party or by of such Party's agents or employees, nor (ii) any event which a diligent party could reasonably have been expected both to take into account at the time of the acceptance of the work order under this RFP, and avoid or overcome with persistent effort in carrying out its respective obligations.

8.16.3 In the case of failure to perform this Agreement due to any force majeure, neither party shall be liable for such failure, nor this agreement shall be terminated automatically, if the persistence of such force majeure event continues for more than three months. In the case of failure to perform any part of this Agreement due to any force majeure, the party suffering from such force majeure may be exempted from corresponding liability to the extent of the impact of such force majeure. However, such party shall continue to perform other obligations under this Agreement which have not been affected by such force majeure.

8.17 GOVERNING LAW AND JURISDICTION

8.17.1 This agreement is governed by the laws of India and each Party irrevocably and unconditionally submits to the exclusive jurisdiction of the Courts at New Delhi, India.

8.17.2 Where the Backend Consortium have not agreed to dispute resolution, the dispute/ claims arising out of the tender and this agreement shall be subject to the jurisdiction of the competent courts at New Delhi, India.

8.18 ARBITRATION CLAUSE

8.18.1 Conciliation of Dispute

8.18.1.1 Any dispute(s) /difference(s)/issue(s) of any kind whatsoever between/amongst the Parties arising under/out of/in connection with this contract shall be settled mutually and amicably between the Parties, within a time span of thirty days from the date of invocation of dispute vide a written notice by the aggrieved party. The Aggrieved Party shall notify the other party in writing about such dispute(s)/difference(s)/issue(s) between/amongst the Parties and that such a Party wishes to refer the dispute(s)/ difference(s)/issue(s) to Conciliation. Such Notice/Invitation for Conciliation shall contain sufficient information as to the dispute(s)/ difference(s)/issue(s) to enable the other Party to be fully informed as to the nature of the dispute(s)/ difference(s)/issue(s), as well as the amount of monetary claim.

8.18.1.2 That in the event of reference of dispute for Conciliation, a committee comprising of two members, nominated by each party i.e. the Backend Consortium and Becil respectively shall try to amicably resolve/settle the dispute.

8.18.2 Reference of Dispute to Arbitration

8.18.2.1 In the event of failure in mutual resolution of the issue, any dispute(s)/ controversy(s)/ issue(s) arising out of or in connection with the contract, including any question regarding its existence or validity shall be referred to and finally resolved by Arbitration administered by the Delhi International Arbitration Centre as per the Delhi International Arbitration Centre proceeding Rules 2023.

8.18.2.2 The Aggrieved party wishing to refer a dispute to Arbitration shall give a notice to the Defaulting Party specifying all the points of dispute(s) with details of corresponding the claim amount.

8.18.2.3 The Arbitration Proceeding shall commence within a span of thirty days from the date of receipt of Invocation Notice complete in all respects as mentioned above,

8.18.2.4 The dispute(s)/ difference(s)/controversy(s) shall be adjudicated by a single/sole Arbitrator empanelled with the Delhi International Arbitration Centre.

8.18.2.5 The seat of Arbitrations shall be at New Delhi and the Arbitration proceeding shall be conducted in English.

8.18.2.6 The award of Sole Arbitrator shall be final and binding on the parties and unless directed/awarded otherwise by the Sole Arbitrator, the cost of arbitration proceedings shall be shared equally by both the parties.

8.18.2.7 The provision of the Arbitration and Conciliation Act, 1996 as amended and applicable from time to time shall apply to the Arbitration proceedings under this Contract.

8.18.2.8 That any claim of damage(s) or loss (es) incurred by BECIL as a consequence of the invocation of the litigation/arbitration proceeding owing to the suspension or abandonment of work by the Backend Consortium shall be reimbursed by Backend Consortium .

8.18.2.9 In the event of initiation of AMRCD proceedings between BECIL and the client, the decision / mutual settlement arrived at, on the conclusion of the proceeding between the parties, shall in turn become applicable on Backend Consortium.

8.19 RIGHT TO INSPECTION

8.19.1 That BECIL and its field officers or its Auditors, shall have the right to carry out inspection checks and tests, and do audit of the Bidder's premises, personnel and records relating to the project in order to ensure there is no compromise on the quality of goods/services provided by the Bidder to the BECIL and its Client. The BECIL has a right to review and monitor the security practices and control procedures adopted by the Bidder. The Bidder shall produce and make available all such books, records, information, etc., related to project work for the purpose of Inspection/ audit as sand when required.

8.19.2 That BECIL shall have the right to review and monitor the performance of the Bidders on a continuous basis system integrator shall furnish necessary particulars, statements, etc., as desired by the BECIL in a periodical manner for the purpose of assessment of their performance.

8.20 NOTICES

8.20.1 Any notice, invoice, approval, advice, report or notification in connection with this Contract shall be in writing and any notice or other written communication pursuant hereto shall be signed by the party issuing the same and shall be addressed to the BECIL or the System Integrator and may be given by delivering the same by hand or sending the same-by prepaid registered mail, official e-mail or facsimile to the relevant address forth below or such other address as each Party may notify in writing to the ether Party from time to time. Any such notice given as aforesaid shall be deemed to be served or received at the time upon delivery (if delivered by hand) or upon actual receipt (if given official e-mail or facsimile) or Fifteen (15) clear days after posting (if sent by post).

a. Any notice or other document which may be given by either Party under the Contract/ Agreement shall be given in writing in person or by pre-paid recorded delivery post, email.

b. In relation to a notice given under the Contract/ Agreement, any such notice or other document shall be addressed to the other Party's principal or registered office address as set out below:

Name: Mr. Binay Kumar Tiwari
Designation: Dy. General Manager
Address: Broadcast Engineering s India Ltd, C-56/ -17, Sector- 62, Noida- 201307, U.P.
Email: binaytiwari@becil.com

Name: Mr. [Lead representative name]
Designation:
Address: [Vendor Address]
Email: [Vendor Email]

8.20.2 In relation to a notice given under the Contract/ Agreement, a Party shall specify the Parties address for service of notices, any such notice to be copied to the Parties at the addresses set out in this tender.

8.20.3 Any such notice or other document shall be deemed to have been given to the other Party (or, if relevant, its relevant associated company) if delivered between the business hours of 9.00 am and 5.30 pm at the address of the other Party set forth above, or on the next working day thereafter if delivered outside such hours, and 7 days from the date of posting (if by letter).

8.20.4 Either Party to the Contract may change its address, telephone number, and nominated contact for notification purposes by giving the other Party reasonable prior written notice of the new information and its effective date.

8.21 NO WAIVER

No failure on the part of the either party hereto to exercise, and no delay on its part in exercising, any right or remedy under this Contract will operate as a waiver thereof nor will any single or partial exercise of any right or remedy preclude any other or further exercise thereof or the exercise of any other right or remedy and the same shall not affect in any manner the effectiveness of any of the provisions of this Contract.

8.22 SURVIVAL

8.22.1 The Rights and obligations under this Agreement that by their nature should survive and will remain in effect after termination or expiration of this Agreement.

8.22.2 Each indemnity and guarantee arising in respect of this agreement survives the performance of obligations arising out of or under this agreement and the termination of this agreement and will continue in force as long as necessary to affect their purpose.

8.23 AMENDMENT

Unless otherwise stated expressly, this Contract shall be modified only by an instrument in writing duly executed by both the parties.

8.24 SEVERABILITY

If any provision of this agreement is held invalid by any law or regulation of any government or by any court or arbitrator, that invalidity will not affect the enforceability of any other provision.

8.25 DAMAGES

Once the Bid has been submitted for primary tender of 92....., Backend Consortium

cannot withdraw from the Agreement. Any damage/ loss caused to BECIL due to failure on the part of the Backend Consortium to enter into a detailed agreement with ..... shall be borne by the Backend Consortium and will be made good by the Backend Consortium in case BECIL has to make payment of any damages/penalty to .....

8.26 LIMITATION OF LIABILITY

With the exception of any breach of confidentiality obligations, neither party will be liable to the other party for any costs, damages, expenditure, loss of profits, prospective profits of any kind or nature etc. arising from the termination or alleged breach of this agreement or in any manner arising from this agreement.

8.27 By signing this Agreement, BECIL, and Backend Consortium acknowledge that it correctly records the understanding they have reached with regard to the Project.

8.28 Backend Consortium shall be liable to BECIL to compensate any losses or damages if so suffered by BECIL for any breach of this agreement and/ or action initiated by the ..... for non-performance of the contract.

8.29 Nothing in this agreement shall constitute, create or give effect or recognize a, partnership or business entity of any kind.

8.30 On award of the work of the ..... tender to BECIL, BECIL may enter into a detailed Inter-se Agreement with Backend Consortium based on the terms and Conditions of the agreement, BECIL EOI, ... tender as well as the Contract signed between BECIL & .....

8.31 After mutual consultation, a joint team consisting of representatives of the parties will be formed for various activities like, technical discussions, deciding the preparation of final Bid/ offer, terms & conditions and demonstration of functionality required in the ..... Tender/Work/Project.

8.32 Expenses towards bid preparation would be borne by the individual Parties viz. BECIL and Backend Consortium for their respective work. BECIL will not reimburse any such expenses to Backend Consortium towards preparation and submission of the bid.

8.33 Notwithstanding anything contained in any other agreement, document, correspondence, arrangement between the parties in respect of ..... Tender/ Works / Projects, the Backend Consortium understands, agrees and undertakes that:

8.33.1 At any given point of time, Backend Consortium may not assign or delegate its rights, duties or obligations under this agreement to any other party, without prior written consent of BECIL.

8.33.2 In the event of breach of any of the terms & conditions of this agreement or in case of any default of any terms & conditions of this agreement, on the part of Backend Consortium, BECIL reserves the right to take necessary steps / action as per available documents, including but not limited to, termination of contract, forfeiture of Performance Security / EMD, blacklisting / banning etc. and execute the work at the risk & cost of the Backend Consortium.

BECIL shall interact with the Lead Member of the Backend Consortium in respect of this Agreement and its related matter for execution of this UP POLICE, ... project. BECIL shall not be responsible for any internal dispute or differences among the Backend Consortium.

All technical, financial and commercial terms and conditions of the Tender, except pricing, risk purchase,

limitation of liability, advance payment & termination, will apply on back-to-back basis between BECIL and Backend Consortium for their respective part/scope of work. However, if Backend Consortium fails to fulfil its part of the work to the satisfaction of BECIL, then BECIL shall have the right to terminate the contract with Backend Consortium and get the same executed departmentally or by other agencies at the risk and cost of Backend Consortium.

8.34 BLACKLISTING/ DEBARMENT

Backend Consortium shall be debarred/blacklisted from bidding for the contract/tender/EOI floated by BECIL for a period of two years, for violation of the code of integrity, Conflict of Interest as well as for the material breach of terms and conditions of the tender as per the General Financial Rules 2017 and the Guidelines for debarment of firms from bidding issued by the Department of Expenditure, Ministry of Finance no. F1/20/2018 –PPD dated 02.11.2021.

8.35 MSME

8.35.1 The Subcontractor acknowledges and confirms that the Main Contractor shall be liable to make payments only upon receipt of corresponding payments from the Principal Employer/client. Accordingly, the Subcontractor shall not raise any claims, demands, interest, compensation, or initiate any legal proceedings against the Main Contractor for any delay in payment arising out of delayed release of funds by the Principal Employer/client.

8.35.2 The Subcontractor waives any rights under the Micro, Small and Medium Enterprises Development Act, 2006 (MSMED Act) or any similar legislation or regulation, to the extent such rights conflict with the agreed payment terms under the Subcontract Agreement. The Subcontractor further waives its right to claim Interest on delayed payment by the Main Contractor, under the Micro, Small and Medium Enterprises Development Act, 2006 (MSMED Act) or any similar legislation or regulation for the time being in force in India.

8.36 COUNTERPARTS

This agreement is executed in three counterparts, with each party retaining one original.

8.37 ENTIRE AGREEMENT

This agreement hereto constitutes the entire agreement between the Parties with regard to the subject matter contained in this agreement and supersedes all prior negotiations, representations, agreement and understandings, written or oral preceding the execution of this agreement.

IN WITNESS WHEREOF, the parties hereto, intending to be legally bound, have executed this Pre-Bid Agreement as of the date first above mentioned.

This Agreement has been signed on behalf of the parties by their respective duly authorized representatives as of the Effective Date.

On Behalf of M/s BECIL	On Behalf of M/s ……

(Binay Kumar
Tiwari)
Dy. General
Manager BECIL

Signature of Witness:

Name:

Title:

Signature of Witness:

Name:

Title:

SCHEDULE 1: DETAILED SCOPE OF WORK

[from client primary EOI]

GOVERNMENT OF UTTAR PRADESH

Uttar Pradesh Police

REQUEST FOR PROPOSAL

Cyber Investigation and Digital Assistance Lab

CIDAL

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Document control

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Every corrigendum and every clarification issued under this Request for Proposal is numbered in sequence, is published on the procurement platform to all bidders, and forms part of this Request for Proposal from the date of its publication.

How this Request for Proposal is to be read

This Request for Proposal comprises the chapters and the annexures listed below. They constitute a single instrument and are to be read together, and an obligation stated in any one of them is not diminished by its absence from another. Headings and the table of contents are provided for convenience of reference and neither limit nor qualify the text.

- Chapter 9, the Bill of Materials, is the authoritative source of quantity. Where any other chapter or annexure states a quantity that differs from Chapter 9, the quantity at Chapter 9 governs.
- Chapter 10 fixes every technical requirement and the method by which each is verified. A requirement is cited in the form HW-04.9 or IN-08.2, being the numbered requirement of the item concerned; a software requirement is cited by the item identifier and its number within that item's block, in the form SW-06 requirement 4.
- Items are identified throughout as SW-01 to SW-13 (software), HW-01 to HW-07 (hardware), IN-01 to IN-08 (infrastructure), SV-01 to SV-05 (service heads), MP-01 (manpower) and RS-01 (reserve). Workstreams are cited as WS1 to WS13. Other families of reference code are defined in the chapter or the annexure in which they are used. Item and format identifiers of the form SW-01, HW-04, AT-12, PC-07, Q-1, E-15 and P-01 are stable identifiers of the item or the format they name, and are not affected by the lettering of the annexures. A reference of the form Q-1 to Q-16 is to a format published at Annexure N; a quantity of the departmental capacity model at Chapter 3, Table 3.2 is cited in the form QT-16.
- This Request for Proposal states quantities, periods and percentages. It states no rate, no unit cost and no subtotal, and no financial value other than the programme envelope at Chapter 14; prices are submitted only in the price schedule published on the procurement platform.
- Every requirement is expressed as a function performed upon a stated input class producing a stated output, verified by a named acceptance test upon Department-supplied material. No requirement is written so that only one supplier can meet it. Where a product is named it is indicative of the class expected, and an equivalent or better product is accepted on the measurable floor stated with it, under the equivalence rule at Section 10.1. No preference for any supplier is expressed anywhere in this Request for Proposal, and none is to be inferred from any specification.
- The matters listed at Chapter 2, Table 2.1 fall outside the scope of this procurement. A bidder shall not price any of them, and a bid that carries a price against any of them is to that extent non-responsive.
- Where any discrepancy, inconsistency, ambiguity or conflict arises between any provisions of this Request for Proposal, or between this Request for Proposal and any annexure, corrigendum or clarification issued under it, the Apex Procurement Committee reserves the authority to determine the meaning and implication of the provisions concerned. Its determination is issued in writing, binds all bidders and the successful bidder, and is published to all bidders where it is issued before the bid due date. The rule is stated at Section 2.5.
- Written queries are made by the route and by the date as published for this tender on the Government e-Marketplace. A consolidated query-and-response document is published to every bidder on the procurement platform, and no reply is given to one bidder that is not given to all. Section 2.7 governs the query procedure.
- British spelling is used throughout. A word importing the singular includes the plural, and the converse.

A bidder is required to satisfy itself, before submitting a bid, as to the whole of this Request for Proposal, its annexures and every corrigendum published under it, and as to the conditions at the units at which the capability is to be deployed. Annexure A carries the schedule of all seventy-six units.

Terms used throughout

the Department	The Uttar Pradesh Police, Government of Uttar Pradesh, being the purchaser under this Request for Proposal
the System Integrator	The successful bidder upon award, carrying integrated responsibility for the whole of the scope of this Request for Proposal
the bidder	A person or a consortium submitting a bid in response to this Request for Proposal
the principal	The manufacturer, publisher or proprietor of an item offered by a bidder
the CIDAL Apex Procurement Committee	The departmental body constituted for this procurement, whose composition, quorum and decision rights are stated at Chapter 5, referred to throughout as the Apex Procurement Committee
Headquarters	The single CIDAL facility at Police Headquarters, being the referral, authorisation-gated, training, assurance and support tier
Commissionerate	A police Commissionerate unit of the estate, seven in number
District	A police District unit of the estate, sixty-eight in number
field unit	Any of the seventy-five units other than Headquarters, being the seven Commissionerates and the sixty-eight Districts

Chapters of this Request for Proposal

Chapter	Title
1	Executive Summary and Strategic Overview
2	Introduction, Scope and Governing Framework
3	Need Assessment, Demand Forecast and Capacity Model
4	Target Architecture and Detailed Design
5	Security, Privacy, Legal Compliance and Governance
6	Standard Operating Procedures
7	Process Workflows
8	Scope of Work
9	Bill of Materials
10	Technical Requirements
11	Implementation Plan and Rollout Governance
12	Training and Competency Framework
13	Operations Model, Service Levels and O&M Framework
14	Budget Envelope and Commercial Framework
15	Prequalification Criteria
16	Technical Evaluation Criteria
17	Proof of Concept Framework
18	Inspection, Testing, Acceptance and Commissioning

Annexures to this Request for Proposal

Annexure	Title
A	Unit Schedule and Deployment Plan
B	Acceptance Test Plan
C	Triage and Prioritisation Standard
D	Standard Operating Procedure Templates and Registers
E	Performance Indicators, the Monthly Return and Reporting Formats
F	Proof of Concept Test Case Library
G	Inspection and Test Record Templates
H	Site Readiness Checklist
I	Service Level Severity Definitions and Response Matrix
J	Training Curriculum, Schedule and Assessment Plan
K	Governance Responsibility Matrix

Annexure	Title
L	Data Retention and Disposal Schedule
M	Headquarters Cadre Qualification Matrix
N	Declaration, Undertaking and Guarantee Formats

Each annexure forms part of this Request for Proposal and carries the same force as the chapters. The formats at Annexure N are to be executed and submitted with the bid in the manner stated there and at Chapter 15.

Chapter 1: Executive Summary and Strategic Overview

1.1 Status and purpose of this Request for Proposal

This is the Request for Proposal for the Cyber Investigation and Digital Assistance Lab (CIDAL) of the Uttar Pradesh Police. It is issued by the Department through the Government e-Marketplace and supersedes every earlier CIDAL document issued to prospective bidders.

Three chapters govern the reading of the remainder: every item quantity is taken from the Bill of Materials at Chapter 9, which prevails wherever any other chapter states a different quantity; every technical requirement and its verification are taken from Chapter 10; and every acceptance criterion is taken from Chapter 18 and Annexure B. A bidder prices the quantities at Chapter 9 against the specifications at Chapter 10, and nothing beyond them.

Where any discrepancy, inconsistency, ambiguity or conflict arises between any provisions of this Request for Proposal, or between it and any annexure, corrigendum or clarification issued under it, the Apex Procurement Committee reserves the authority to determine the meaning and implication of the provisions concerned, and its written determination binds all bidders and the successful bidder; the rule is stated in full at Section 2.5.

1.2 Mission, scope and boundary

The mission is to place a defensible digital-forensic examination capability at every police unit at which a cybercrime case is registered, together with a single advanced capability at Headquarters, so that digital evidence is acquired, verified, examined, reported and preserved to an evidential standard within the published time targets. In scope are the items, the services, the Headquarters specialist cadre, the training programme and thirty-six months of operations at seventy-six units.

Four boundaries qualify that scope, and each is a rule of pricing as much as of design. No inter-unit connectivity of any kind — leased line, wide-area network, tunnel, site firewall or shared platform — is designed, procured or priced, and a bidder may not price it. The internet service and the Controlled Internet Zone endpoint at each field unit are departmental scope and are that unit's only external dependency, the System Integrator configuring that endpoint but supplying no part of it. No integration, data migration or system-to-system linkage with the National Cybercrime Reporting Portal, the Samanvaya Platform or the Crime and Criminal Tracking Network and Systems is in scope, those platforms operating independently of CIDAL. A requirement falling outside CIDAL's remit is referred to the State Forensic Science Laboratory or to the notified Examiner of Electronic Evidence.

Chapter 2, Table 2.1 enumerates the matters expressly outside scope, and a bid that carries a price against any of them is to that extent non-responsive.

1.3 The operating model

The estate comprises one Headquarters, seven Commissionerates and sixty-eight Districts: seventy-six units in all, of which seventy-five are field units. All case intake, all case registration and all direct acquisition of digital evidence occur at the field units. Headquarters registers no case; it examines exhibits referred to it, reports to the originating Unit In-charge and returns them, maintaining a referral register and never a case register. The originating unit owns the case throughout, including while the exhibit is at Headquarters.

No unit holds a data connection to any other, and there is no synchronisation between Headquarters and the field units in any form, whether online or offline. Nothing moves between units except a specific referred exhibit, or a verified forensic image of it, carried under an unbroken chain of custody. Headquarters therefore holds no live view of field caseload: reporting is by monthly certified return, lagged by up to forty days and carrying aggregates rather than case-level records, and no service level or acceptance criterion depends upon a live field figure.

Escalation has three destinations: a District to Headquarters, a Commissionerate to Headquarters, or either out of the programme to the State Forensic Science Laboratory or to the notified Examiner of Electronic Evidence.

There is no path between a District and a Commissionerate, and no procedure, register or quantity in this Request for Proposal establishes one.

A field unit operates three zones: an Evidence Processing Zone, offline, with no path outside itself; a Controlled Internet Zone upon a separate endpoint holding no evidential artefact; and a Physical Evidence Holding Zone, in locked cabinets under tamper-evident seals. Crossing between the first two is by registered removable media, sanitised and logged. The unit carries three duties: the Unit In-charge authorises, classifies, decides referrals and countersigns, the Examiner acquires and examines, and the Custodian seals, stores and records. One officer may hold more than one duty, save that the Examiner of a case may not review the report upon it.

Table 1.1: Tier capability: what each unit is, what it does, and what it cannot do alone

Attribute	Headquarters (1)	Commissionerate (7)	District (68)
Function	Referral examination facility, authorisation-gated capability holder, training authority, tool-validation and quality authority, support desk, consolidator of unit returns	Self-sufficient laboratory for its own caseload, at laboratory grade on host forensics, with two examination seats	Self-sufficient first-line laboratory for the dominant caseload, at field grade
Registers cases	No. Referral register only	Yes	Yes
Acquires evidence directly	Only exhibits received on referral	Yes	Yes
Can do	Every examination and analysis the other tiers perform, but upon referred exhibits only and mounting no scene response, and in addition: advanced access to locked devices; lawful cloud and account acquisition; credential and passphrase recovery; multi-operator and cross-case telecom correlation; online and anonymised-network investigation; virtual-asset tracing; media processing, enhancement, authenticity and synthetic-media analysis; acquisition from the alternative desktop platform; large-volume and multi-exhibit processing; peer review of referred outputs; tool validation	Laboratory-grade host and computer forensic examination including multi-volume and array reconstruction and extended file-system families; bench duplication at throughput; mobile acquisition and analysis on two seats; telecom record analysis on bounded case datasets; on-scene response; bounded triage examination; custody	Field-grade host and computer forensic examination; mobile acquisition and analysis of accessible, consented and after-first-unlock devices; telecom record analysis on bounded case datasets; on-scene collection; bounded triage examination; custody
Cannot do alone	None	Everything in the Headquarters "plus" list	Everything in the Headquarters "plus" list, and multi-volume or array reconstruction, extended file-system families, bench duplication at throughput, and single exhibits exceeding the local working-storage envelope
Contracted staff on site	20	0	0
Data connection to any other unit	None	None	None

1.4 The capability blueprint

CIDAL is specified as five capability layers, L1 to L5, each held at a stated grade at each tier that carries it. Intake, classification and custody (L1) sit at the field units, and at Headquarters only as the referral register. Acquisition and preservation (L2) are held at all seventy-six units. Examination and analysis (L3) are graded: full at Headquarters, laboratory grade at a Commissionerate and field grade at a District. Authorisation-gated capability (L4) — advanced access to locked devices, lawful cloud and account acquisition, and credential recovery — rests at Headquarters alone and is exercised only upon a written authorisation recorded before the attempt, under a single authorisation register and audit trail. Assurance and support (L5) sit at Headquarters and serve every unit.



Figure 1: CIDAL capability architecture. Layers L1 to L5 exist at a stated grade at each tier that holds them; L4 is held at Headquarters alone, which maintains a referral register and issues no case identifier. The security, audit and evidentiary control set applies at every layer at every unit.

The inventory is the thirty-five rows of the Bill of Materials at Chapter 9, and every unit's register within it is standalone: no server instance, no consolidation, no replication and no synchronisation, and a bidder may not offer any.

The book of record at a unit is the Case and Evidence Management System (SW-12), one standalone instance at each of the seventy-five field units and one at Headquarters configured as the referral register. It allots the case identifier, which no officer types; holds the chain of custody as a ledger to which entries may only be added, a correction being made solely by a further entry citing the entry corrected; records each acquisition with its tool, version, settings and the hash values at source and on the copy; produces the report under a two-signature control that bars the Examiner of a case from reviewing it; logs every crossing of removable media between zones; runs the retention clock and blocks disposal while that clock runs or the case remains open; and produces the monthly certified return from its own records. It operates with no network connection of any kind and exports in open, documented formats for court production. Its full specification is at Chapter 10, Section 10.3.14 and Annexure D.

The programme deploys one hundred and sixty-one examination and processing machines in three classes, every figure being a floor which a better machine meets, with error-correcting memory throughout. A laboratory-grade workstation at Headquarters carries not fewer than 24 processor cores, not less than 256 GB of error-correcting memory, a discrete graphics processor with not less than 24 GB of dedicated memory and not less than 4 TB of solid-state scratch space, its case data being held on the Headquarters compute and storage platform and not on the workstation. A field-grade workstation carries not fewer than 16 cores, not less than 128 GB of error-correcting memory, a discrete graphics processor with not less than 16 GB of dedicated memory and not less than 2 TB of scratch, alongside the unit's own case store. An acquisition and processing node, one at each District, carries not fewer than 12 cores and not less than 64 GB of error-correcting memory and requires no discrete graphics processor.

Every delivered machine is proved by the concurrent high-load acceptance test at Chapter 10: the whole software set of its tier running simultaneously upon Department-supplied material, against a reference exhibit larger than its scratch space, with the elapsed time for each task, processor and memory utilisation, the volume of paging to disk, the absence of stall or failure and the sustained electrical load measured and recorded. A machine that merely starts the software does not pass, and the load measured is the figure against which that machine's power protection is verified.

Each of the one hundred and sixty-one machines carries its own uninterruptible power supply — 1.5 kVA at a laboratory-grade workstation, 1.0 kVA at a field-grade workstation and 0.6 kVA at an acquisition and processing node — sized against sustained draws of 947 W, 740 W and 399 W respectively, and holding the machine, its displays and its attached acquisition hardware for not less than thirty minutes at the load measured for that machine during the concurrent high-load acceptance test, and expressly not at idle. Each supply closes the machine down cleanly before the battery is exhausted; batteries are replaceable at the unit and capacity-tested annually; any battery below eighty per cent of rated capacity is replaced at the supplier's cost; and not less than one full replacement cycle falls within the thirty-six-month operations period, from which no claim arises.

A unit-level supply protects everything else: local switching, the Controlled Internet Zone endpoint, on-scene kit charging, and the evidence-holding area with its access record, Chapter 10 drawing the boundary between the two load by load. The connected information-technology load is 1.44 kW at a District, 1.88 kW at a Commissionerate and 25.31 kW at Headquarters, and the dedicated supply that follows is not less than 3 kVA, 4 kVA and 45 kVA respectively, both being numeric site-readiness conditions verified before deployment.

Every software licence is procured upon a single clause, stated once at Chapter 10, Section 10.2.2 and binding upon every item without exception: all updates, upgrades, patches and signature, definition and dataset refreshes, with technical support, for not less than three years from acceptance of that item at the unit where it is deployed; thereafter operation in perpetuity, without updates, at no further cost to the Department; no dependency upon any act, consent, server or service under the supplier's control, and no expiry date, time-limited key, periodic reactivation or remote disable; a permanent offline entitlement for every deployed instance where an activation mechanism exists; and the Department's perpetual right and technical means to read, search and export its own data in open, documented formats. A written undertaking from the principal of

each offered item, confirming the whole of the clause and naming this tender, is a bid-responsiveness requirement, and an item offered without it is not evaluated.

For six items the software is only the vehicle and the value sits in a dataset that must be continuously refreshed: mobile forensic acquisition and analysis (SW-03), authorisation-gated advanced access (SW-04), lawful cloud and account acquisition (SW-05), online and anonymised-network investigation (SW-08), virtual-asset and distributed-ledger analytics (SW-09) and media authenticity and synthetic-media analysis (SW-11). Those six operate in perpetuity, with the installed tool, the Department's own data and every finding already produced intact, readable and exportable, but they do not remain current and will not address devices, protection states, service interfaces, attribution or synthesis techniques appearing after the update period ends. Their renewal is a foreseeable recurring requirement, disclosed at Section 1.8 and carried at Chapter 14.

All software supplied shall be free from defects, shall conform to its specification at Chapter 10 and to the functionality demonstrated at the proof of concept, and shall be free of malicious code, undocumented interfaces and undisclosed data transmission; the supplier certifies at each delivery that no Critical or High defect is known, and furnishes for every item a software bill of materials with known published vulnerabilities disclosed against a dated remediation commitment. Four severity classes fix the correction obligation, the clock running from the Department's report and not from the supplier's acknowledgement: a Critical defect, being loss, corruption or alteration of evidence, an incorrect hash computation or verification, a failure of the audit log, or an item that will not operate at all, carries a workaround within 4 hours and correction within 7 days; a High defect, being a specified function unavailable or producing incorrect output, 24 hours and 30 days; a Medium defect, 90 days or the next release, whichever is the earlier; and a Low defect, the next release. Correction is at no cost for the whole term, persistent failure is a service-level breach under Chapter 13, and a Critical defect affecting evidence integrity is reported within 4 hours of the supplier becoming aware of it, however and wherever found, whereupon every case processed with the affected version is identified.

The training laboratory at Headquarters carries thirty learner endpoints and one instructor endpoint, each fully equipped in hardware and software; the concurrent entitlements, the training device sets, the livestream obligation and the delivery arithmetic are at Section 1.6.

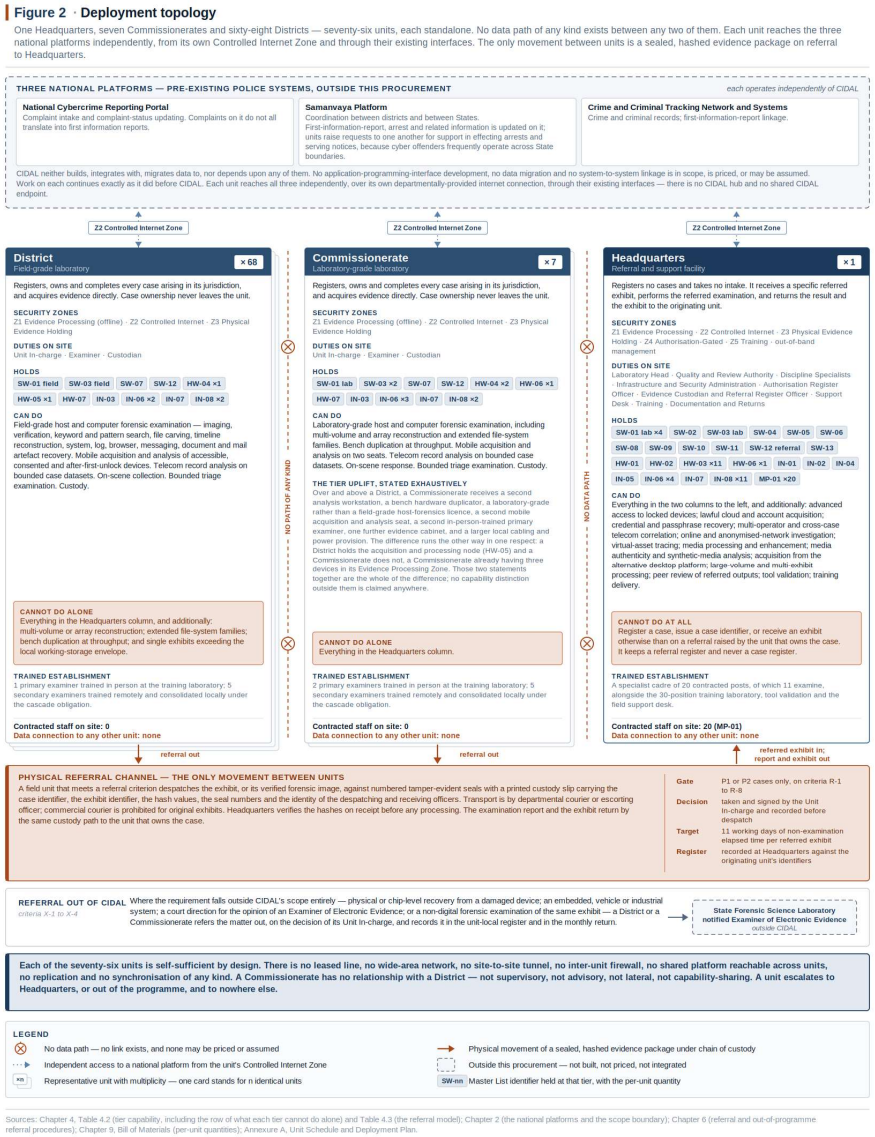


Figure 2: Deployment topology. Seventy-six standalone units: one Headquarters, seven Commissionerates and sixty-eight Districts. All case registration and all direct evidence acquisition occur at the seventy-five field units; Headquarters registers no case and keeps a referral register only. No unit holds a data connection to any other, and there is no path between a District and a Commissionerate.

1.5 The Triage and Prioritisation Standard

The order in which work is taken up at a unit is set by a published standard, applied by a named officer upon recorded criteria. That standard is at Annexure C and is implemented in the unit-local register.

No exhibit is refused: every exhibit seized is received, sealed, acquired, hash-verified, recorded and preserved, and what varies is the treatment. The three treatments are full examination upon the case requirement, reported with hashes, tool, method and limitations; bounded triage examination, being an automated pass against a published artefact list with bounded manual review; and preserve-and-hold, being a verified archival write that states no finding. The Unit In-charge classifies within two working days of receipt: P1, full examination within seven working days; P2, within twenty working days; P3, bounded triage within forty-five working days; and P4, archived within ten working days. No unit may classify to fit its capacity. A class may be raised by the investigating officer, by the supervising officer or by a court, and referral to Headquarters is available only in a P1 or a P2 case.

1.6 Implementation, training and the procurement approach

Delivery is wave-based from the contract effective date: the training laboratory accepted by month 4; Headquarters by month 6; the seven Commissionerates by month 10; the sixty-eight Districts in three lots of 23, 23 and 22 to month 15; final acceptance by month 16; and thirty-six months of operations thereafter. Readiness is verified sixty days before each unit's deployment against numeric conditions, among them the dedicated electrical supply and the earth resistance, and a unit certified not ready is deferred without damages.

Eighty-two officers, one from each District and two from each Commissionerate, are trained in person at the thirty-position training laboratory in three batches of twenty-eight, twenty-seven and twenty-seven, each batch running for nineteen delivery days. That is fifty-seven delivery days, and seventy-two delivery days once the fifteen-working-day Headquarters cadre course is added, against approximately one hundred and sixty-eight working days available in the window. Each unit's primary examiner completes the course before that unit is commissioned.

Each of the thirty learner endpoints is fully equipped and carries the whole training instance set, and the laboratory holds not fewer than thirty concurrent entitlements of every hands-on licence class. The whole batch accordingly takes theory, demonstration, assessment and every hands-on module together: no cohort is divided, no learner waits for a seat, and thirty training device sets support the hands-on work. The batch length of nineteen delivery days rests upon the curriculum content and is unchanged by this arrangement, which yields schedule margin rather than a shorter course. Any session may in addition be livestreamed to officers at the field units over each unit's Controlled Internet Zone endpoint, the System Integrator supplying the platform and its licences for the contract term. A further five officers at each field unit are trained remotely, 375 officers in all; a remote session consumes the instructor endpoint and the delivery endpoint and no learner endpoint, and carries not more than fifty learners. The initial trained population is accordingly 457, the in-person element completing within five months of the laboratory's commissioning and the whole of the initial programme within eight.

Hands-on competence for the remote cohort is built at the unit itself, upon the unit's own equipment, under a practical assessment countersigned by the Unit In-charge and returned to Headquarters. That cascade is a monitored obligation carrying a numeric trigger of five certified secondary examiners at every field unit within ninety days of that unit's commissioning, and it is completed after commissioning. The sustaining programme thereafter runs three scheduled in-person intake weeks in each contract year, for refresher training, re-certification and newly posted officers.

Procurement proceeds in the fixed sequence published at Chapter 2, Table 2.4: prequalification under Chapter 15; technical evaluation under Chapter 16; a proof of concept under Chapter 17, taken before award by every bidder qualifying upon the technical criteria, upon identical Department-supplied material; financial evaluation; and award. The proof of concept is not optional for a qualified bidder, no part of it is deferred until after award, and the build demonstrated binds the successful bidder's delivery. Section 2.7 governs the query procedure

and the publication of corrigenda, and the dates of the bid process are as published for this tender on the Government e-Marketplace.

The programme envelope is ₹100 crore, inclusive of applicable taxes and of the thirty-six-month operations period. The envelope is not the bid ceiling: the amount of it available for this contract is the envelope less the contingency, less the independent audit and programme management support at SV-05 and less the technology-refresh and extended-warranty reserve at RS-01, each held or paid outside this contract, and that amount is stated in figures as published for this tender on the Government e-Marketplace. A bid whose inclusive total exceeds that amount is rejected. Chapter 14, Sections 14.2, 14.4 and 14.8 state the basis in full.

1.7 Programme performance indicators

Each indicator below is producible from the monthly certified return, the referral register, the support-desk ticket record, the training register at Headquarters or the acceptance certificates.

Table 1.2: Programme performance indicators, measurement source and target

Indicator	Measurement source	Target
Time to classification	Triage and Priority Register, monthly certified return	Class assigned within 2 working days of receipt in not less than 95% of cases
P1 examination report issued	Monthly certified return	Within 7 working days of classification in not less than 90% of P1 cases
P2 examination report issued	Monthly certified return	Within 20 working days of classification in not less than 85% of P2 cases
P3 triage summary issued	Monthly certified return	Within 45 working days of classification in not less than 85% of P3 cases
P4 acquisition, verification and archival write	Monthly certified return, archival media reference	Within 10 working days of receipt in not less than 95% of P4 exhibits received
Age of the oldest pending P1 case	Monthly certified return	Not more than 14 working days
Age of the oldest pending P2 case	Monthly certified return	Not more than 30 working days
Referral transfer turnaround	Headquarters referral register	Not more than 11 working days of non-examination elapsed time per referred exhibit, on the mean for exhibits returned in the month
Referral volume	Headquarters referral register	Not more than 600 referrals in any rolling twelve months
Monthly return submitted	Returns register at Headquarters	By the fifth working day of the following month, from 75 of 75 field units
Cascade certification of secondary examiners	Countersigned practical assessments returned to Headquarters	5 certified secondary examiners at every field unit within 90 days of that unit's commissioning
Support-desk response and restoration	Support-desk ticket records	Severity-1 acknowledged within 1 hour and restored within 8 working hours in not less than 95% of incidents
Field-unit equipment availability	Support-desk ticket records reconciled to the monthly certified return	Not less than 98% of working days per unit per month
Units commissioned against the wave plan	Wave acceptance certificates	76 of 76 units accepted by month 16

1.8 Principal risks and disclosures

The principal risks bearing upon delivery and upon operation are set out below with their likelihood, their impact and the trigger at which each is treated as having materialised.

Table 1.3: Principal programme risks

Risk	Likelihood	Impact	Trigger
Registered volume, or the share of complaints registering automatically upon the prescribed threshold, proves higher than the value at which the programme is sized	Medium	High	A published re-sizing trigger at Chapter 3, Table 3.6 is crossed upon the measurement stated there
Cascade training does not produce five certified secondary examiners at each field unit	Medium	High	Fewer than 5 certified secondary examiners at any field unit 90 days after that unit's commissioning
Referral volume exceeds the capacity the Headquarters cadre absorbs	Medium	High	More than 600 referrals in any rolling twelve months, tested quarterly
A field unit operates without a working Controlled Internet Zone	Medium	High	The internet row of the site-readiness checklist is not certified at the 60-day joint verification, or the zone is unavailable for more than 5 consecutive working days
Loss or compromise of a referred exhibit in physical	Low	High	Any hash mismatch or seal discrepancy upon receipt at

Risk	Likelihood	Impact	Trigger
transfer			Headquarters or upon return to the originating unit, on a single event
Site readiness at the sixty-eight District sites delays the rollout	High	Medium	More than 10% of a wave's sites not certified ready at the 60-day verification
The trained examiner is transferred without a trained relief in post	Medium	Medium	A field unit reports no examination completed for two consecutive months in its certified return
The six items whose usefulness depends upon a continuously refreshed dataset lose investigative currency when their update period ends	High	High	No refresh sanctioned for any of the six items twelve months before that item's update period ends
The recurring requirement arising after the operations period is not sanctioned	Medium	High	No sanction in place twelve months before the end of the operations period

The following matters are disclosed to bidders so that no bidder may afterwards say that it was not told of them, and each is stated in full in the chapters named against it.

- Every field unit depends upon departmentally-provided internet in its Controlled Internet Zone; that zone is departmental scope, is not funded within the envelope, and a unit without a working zone is deferred from its wave (Chapters 2, 11 and 13, and Annexure H).
- No field unit has an on-site specialist. Every contracted post is at Headquarters, and a unit whose tool fails depends upon the support desk, upon spares logistics and upon its own Controlled Internet Zone; the desk may not touch evidence (Chapters 8 and 13).
- The demand parameters from which the quantities derive are planning assumptions to be replaced by first-quarter baseline measurement; quantities are re-derived against the re-sizing triggers at Chapter 3, Table 3.6, and additional capacity is procured as a priced change (Chapters 3 and 14).
- The six items named above operate in perpetuity but do not remain current once their update period ends. Their refreshment, hardware maintenance and the specialist cadre fall due together at the end of the operations period as a recurring requirement lying outside the envelope and outside this contract (Chapters 10 and 14).

Chapter 2: Introduction, Scope and Governing Framework

2.1 Purpose of this Request for Proposal

This Request for Proposal sets out the design, the scope, the delivery plan, the commercial framework and the procurement basis of the Cyber Investigation and Digital Assistance Lab of the Uttar Pradesh Police. It is issued through the Government e-Marketplace, and upon award it forms, with the successful bid and the general terms and conditions cited at Table 2.2, the technical and contractual foundation of the contract.

It is a standalone document, complete upon its own terms, depending upon no other instrument except the statutes, rules and Government Orders cited at Table 2.2 and the annexures published with it; and no committee, matrix, template, dataset or annexure is referred to anywhere in it unless it is published with it. A bidder is required to satisfy itself as to the whole of the document, its annexures and every corrigendum issued under it before submitting a bid.

2.2 The programme in outline

CIDAL establishes digital forensic examination capability across the police estate of Uttar Pradesh at seventy-six units: one Headquarters facility, seven Commissionerates and sixty-eight Districts, of which seventy-five are field units. That composition governs every quantity in this Request for Proposal, and every quantity reconciles to it.

All case intake, all case registration and all direct acquisition of digital evidence occur at the seventy-five field units. Headquarters is a referral and support facility: it receives a specific referred exhibit, or its verified forensic image, where the originating unit does not hold the required capability, performs the examination, reports to the originating unit and returns the exhibit. It registers no case and owns no case, maintaining a referral register keyed to the originating unit's own case and exhibit identifiers.

Each unit is self-sufficient for the caseload it carries and operates with no data connection of any kind to any other unit. Nothing moves between units except a specific referred exhibit or its verified image, under an unbroken chain of custody and upon a decision recorded before despatch. A unit escalates only to Headquarters, or out of the programme to the State Forensic Science Laboratory or to the notified Examiner of Electronic Evidence where the requirement falls outside the scope of CIDAL entirely.

2.3 Scope of this Request for Proposal and of the procurement

This Request for Proposal covers the whole of the programme: the capability design; the item-level specification of software, hardware and infrastructure; the standard operating procedures and process workflows; the security, privacy and legal-compliance framework; implementation and rollout; training; the operations, maintenance and support model over a thirty-six-month operations period; and the procurement, evaluation and acceptance framework.

The procurement is a single turnkey contract for the supply, installation, configuration, commissioning, training and thirty-six-month operation and support of the capability set enumerated in the Bill of Materials at Chapter 9, delivered across all seventy-six units, together with a Headquarters specialist cadre for the operations period. Delivery is wave-based, and acceptance and payment proceed wave by wave. A single supplier carries integrated responsibility for the whole of that scope, and the Department appoints an Independent Auditor and programme management support outside the supplier's contract.

2.4 The scope boundary

Table 2.1 enumerates, positively and exhaustively, the matters that fall outside this programme. A bidder shall not price any item in that table, and a bid that includes a price against any of them is to that extent non-responsive.

Table 2.1: Matters expressly outside the scope of this programme

#	Excluded matter	Position

#	Excluded matter	Position
OS-1	Any network between units: leased line, wide-area network, tunnel, site firewall, routing device or shared platform	No inter-unit network is designed, procured, priced or permitted. Each unit is standalone, and a bidder may not price wide-area connectivity of any kind
OS-2	Integration, interface development, data migration or system-to-system linkage with the National Cybercrime Reporting Portal, the Samanvaya Platform or the Crime and Criminal Tracking Network and Systems	Not in scope, not priced and not to be assumed by any bidder. Officers use those platforms from the Controlled Internet Zone through their existing interfaces
OS-3	Internet connectivity and the Controlled Internet Zone endpoint at any unit	Departmental scope. At every unit the Department provides the internet service, its termination and the Controlled Internet Zone endpoint required at Chapter 10, IN-03.3; the System Integrator configures that endpoint and supplies no part of it. No bidder may price it. At Headquarters the Department additionally provides the separately connected Controlled Internet Zone endpoint from which remote training sessions and laboratory livestreams originate under Chapter 10, IN-04.4 and IN-04.14; the System Integrator configures it, supplies the capture path and its equipment and the livestream platform within IN-04, and supplies no part of the endpoint itself
OS-4	Civil works, building construction, structural alteration and the provision of accommodation at any unit	Departmental scope. The Department provides the room and its fabric, air conditioning, lighting, the fire-safety system and physical security of the premises at every site. The System Integrator supplies no cooling plant, no fire detection equipment and no suppression provision, and no bidder may price one
OS-5	The electricity supply at any unit: bulk supply, substation, distribution board, standby generation, the dedicated circuits, earthing and protection	Departmental scope. The System Integrator provides the power protection provisions within the laboratory, being the uninterruptible power supply at each machine and the unit-level provision, at Chapter 4, Section 4.12, together with the distribution within the laboratory downstream of the departmental laboratory distribution board under Chapter 10, IN-05.1
OS-6	Recruitment, posting, deputation or remuneration of police personnel at any unit	Departmental scope. Contracted posts exist only at Headquarters
OS-7	Forensic examination services delivered by the supplier	Excluded. Contracted personnel assist, operate tools, document and train. Final forensic opinions, evidentiary conclusions, statutory certificates and report sign-off remain with authorised Government officers
OS-8	Non-digital forensic disciplines: fingerprint, biological, document, toolmark, chip-level recovery from damaged devices, embedded, vehicle and industrial control systems	Outside CIDAL. Referred to the State Forensic Science Laboratory or the notified Examiner of Electronic Evidence
OS-9	Any item at a tier against which the Bill of Materials at Chapter 9 states no quantity, including every capability placed at Headquarters alone	An item is offered, delivered and priced only at a tier against which Chapter 9 states a quantity. A Headquarters-only capability is not to be offered, substituted or priced at a field unit under any label
OS-10	Persistent monitoring, selector-based alerting and continuous indexing of open-source or overlay-network content	Not in scope. The online investigation capability is specified for evidential collection and capture through a managed egress path, being an internet route arranged so that the traffic does not disclose the Department as its origin
OS-11	Recurring cost falling beyond the thirty-six-month operations period	Outside the envelope and outside this contract. Chapter 14 states the consequence
OS-12	Departmental laboratory endpoints at Headquarters	Departmental scope. Departmental desk machines outside the Bill of Materials, on the same footing as the Controlled Internet Zone endpoint. The System Integrator protects them at IN-07 but supplies no part of them, and no bidder may price them. Their provision is a site-readiness row at Annexure H

2.5 Governing legal and regulatory framework

Table 2.2 is the single consolidated statement of the instruments that govern this programme, and every chapter that engages an instrument cites it by the entry below.

Table 2.2: Governing instruments, issuing authority, date and relevance

Instrument	Issuing authority	Date	Relevance to this programme
Bharatiya Nagarik Suraksha Sanhita, 2023	Parliament of India	In force 1 July 2024	Sections 105 and 185, audio-video recording of search and seizure; section 176(3), forensic examination of the scene of offence with videography for offences punishable with seven years or more; section 193, record of the sequence of custody of an electronic device
Bharatiya Sakshya Adhiniyam, 2023	Parliament of India	In force 1 July 2024	Section 63, admissibility of electronic records, and the Schedule under section 63(4)(c), Part A signed by the party and Part B by the expert; section 39(2), under which the opinion of an Examiner of Electronic Evidence is a relevant fact
Bharatiya Nyaya Sanhita, 2023	Parliament of India	In force 1 July 2024	Sections 111 and 112, organised crime and petty organised crime; sections 318 and 319, cheating and cheating by personation, being the provisions under

Instrument	Issuing authority	Date	Relevance to this programme
			which the dominant part of the caseload is registered
Information Technology Act, 2000	Parliament of India	2000, as amended	Section 79A, under which the Central Government through the Ministry of Electronics and Information Technology notifies laboratories, and not individuals, as Examiners of Electronic Evidence; the notification scheme references ISO/IEC 17025 and ISO/IEC 27037
Directions under sub-section (6) of section 70B of the Information Technology Act, 2000	Indian Computer Emergency Response Team	28 April 2022	Log retention and incident reporting, at Headquarters and at every unit; synchronisation of system clocks to the national reference, at Headquarters and at each field unit's Controlled Internet Zone endpoint; and a designated point of contact. The Evidence Processing Zone is offline and cannot synchronise, its clocks being governed by the recorded daily verification procedure at Chapter 4, Section 4.10
Digital Personal Data Protection Act, 2023	Parliament of India	2023	Section 17(1)(c), the exemption applicable to processing for the prevention, detection, investigation or prosecution of offences
Digital Personal Data Protection Rules, 2025	Ministry of Electronics and Information Technology	Notified 14 November 2025	Phased implementation over eighteen months; governs the privacy design at Chapter 5
Arjun Panditrao Khotkar v. Kailash Kushanrao Gorantyal	Supreme Court of India, three-Judge Bench	[2020] 7 SCR 180, 14 July 2020	Certification of electronic records; governs the report and certificate structure at Chapter 5 and Annexure D
General Financial Rules, 2017	Ministry of Finance, Government of India	2017, as amended	Rule 144, fundamental principles of public buying, including the restriction at Rule 144(xi); Rule 149, procurement through the Government e-Marketplace; Rule 170, bid security; Rule 171, performance security and the prohibition on advance payment; and Rule 173, transparency, competition and fairness in the procurement process, which governs the eligibility criteria at Chapter 15
Restrictions on procurement from a bidder of a country which shares a land border with India: Rule 144(xi) of the General Financial Rules, 2017 and the orders issued under it	Ministry of Finance, Department of Expenditure	Order of 23 July 2020 and orders amending it, as adopted for procurement by the Government of Uttar Pradesh	Eligibility of bidders, consortium members, subcontractors and the principals of items offered; the declaration at Annexure N, Q-16
Public Procurement (Preference to Make in India) Order, 2017 and the notifications issued under it	Department for Promotion of Industry and Internal Trade, Ministry of Commerce and Industry	15 June 2017, as revised, together with every notification of a nodal ministry applicable to a category in the Bill of Materials at Chapter 9	Classification of suppliers by local content; purchase preference; eligibility where a notification so restricts it; the declaration at Annexure N, Q-6
Public Procurement Policy for Micro and Small Enterprises Order, 2012	Ministry of Micro, Small and Medium Enterprises	2012, as amended	Exemptions and relaxations available to a registered micro or small enterprise bidding for this tender
Government Order No. 57/18-2-2024-97(L.U.)/2016	Government of Uttar Pradesh	26 November 2024	Procurement threshold at paragraph 45, turnover as a percentage of estimated bid cost, from which Chapter 15 departs upward with the reasons recorded under Section 15.5
General terms and conditions of the Government e-Marketplace (the GeM general terms and conditions)	Government of India	As applicable on the date of publication	Bid submission, price discovery and contract formation mechanics
Guidance of the Central Vigilance Commission on public procurement, on integrity pacts and independent external monitors, and on negotiation with bidders	Central Vigilance Commission	As in force	The integrity pact at Annexure N, Q-1; the appointment of independent external monitors at Chapter 15, Section 15.8; the negotiation position at Chapter 2, Section 2.7
Guidelines on arbitration	Ministry of	Office	The dispute-resolution procedure at Chapter 14, Section 14.12

Instrument	Issuing authority	Date	Relevance to this programme
and mediation in contracts of domestic public procurement	Finance, Department of Expenditure	Memorandum of 3 June 2024	
ISO/IEC 17025	International Organization for Standardization and International Electrotechnical Commission	Current edition	Referenced by the section 79A notification scheme; adopted as the quality framework for method and tool validation
ISO/IEC 27037	International Organization for Standardization and International Electrotechnical Commission	Current edition	Identification, collection, acquisition and preservation of digital evidence; the basis of the acquisition procedures at Chapter 6
ISO/IEC 27001	International Organization for Standardization and International Electrotechnical Commission	Current edition	Information security management; a bidder management-system requirement at Chapter 15, with equivalents admitted

Nothing in this Request for Proposal asserts that accreditation under ISO/IEC 17025, or notification under section 79A of the Information Technology Act, 2000, is a precondition to the admissibility of evidence or a legal requirement for a police forensic facility. Those standards are adopted as the operating framework for a forensic laboratory and are stated as obligations of this design rather than as assertions of law.

Where any discrepancy, inconsistency, ambiguity or conflict arises between any provisions of this Request for Proposal, or between this Request for Proposal and any annexure, corrigendum or clarification issued under it, the Apex Procurement Committee reserves the authority to determine the meaning and implication of the provisions concerned. Its determination shall be issued in writing, shall be binding on all bidders and on the successful bidder, and shall be published to all bidders where it is issued before the bid due date.

2.6 Procurement principles

Six principles govern every specification line, every eligibility criterion, every evaluation rule and every acceptance test in this Request for Proposal.

Table 2.3: Procurement principles and how this Request for Proposal gives effect to each

#	Principle	How it is given effect
PR-1	Specification by function, not by construction	Every specification line is expressible as: the item shall perform a stated function on a stated input class producing a stated output, verified by a named acceptance test on Department-supplied material
PR-2	Supplier neutrality	No requirement is written so that only one supplier can meet it. Where Chapter 10 names a processor, graphics processor, storage device, operating system, device platform or file format, the name is indicative of the class and level of capability expected, and any product equivalent to or better is accepted on the measurable floor stated with it, under the equivalence rule at Section 10.1. A specification tied to one supplier by a proprietary feature name, a feature count used as a requirement, a version range traceable to a single supplier or a licence-mechanism mandate remains a prohibited construction
PR-3	Competition as a design objective	Throughput and continuity outcomes are stated, and the licensing mechanism by which a bidder delivers them is at the bidder's option. Continued operation of a software item after its update period has ended is an outcome required of every item and is not a licensing mechanism: what must continue to work, and at what cost to the Department, is stated; how a bidder arranges its entitlements is not
PR-4	Demonstration before award	Capability is proved on Department-supplied material by every technically qualified bidder before award, and is not asserted on a datasheet
PR-5	Published, fixed and objective evaluation	Only the criteria published in this Request for Proposal and its annexures are applied. Every criterion is an objective evidence test, and any rejection cites the specific published criterion not met. The Department publishes the acceptance methods; the bidder does not choose the test
PR-6	No deferred decision and no	There is no "to be finalised" and no "where applicable" without a stated applicability test. A planning assumption is labelled as such, carries a range and a named approving authority, and creates no contractual obligation and no scope

#	Principle	How it is given effect
	unpriced discretion	

The preference policies for local content and for micro and small enterprises are applied under their own rules, in the manner stated below, and no line item carries an origin-based condition in its technical specification. Where a genuine India-specific need exists it is stated functionally, as in the processing of content in Hindi and in the Devanagari script and support for right-to-left scripts, and it is verified at the proof of concept.

Local content. Every bidder declares its local content and its class under the Public Procurement (Preference to Make in India) Order in the published format at Annexure N, Q-6, computed for the procurement as a whole and by head. Purchase preference is applied among the bidders that pass stage 6, at the margin and by the mechanism the Order provides, and by no other mechanism. Where a notification issued under that Order restricts eligibility for a category in the Bill of Materials at Chapter 9 to a class of local supplier, the item offered against every identifier in that category shall be from a supplier of that class, that condition is applied at technical evaluation as a published criterion, and the categories to which it applies are identified in the corrigendum published with this Request for Proposal. The list of such categories is published to every bidder and is not determined after bids are opened.

Micro and small enterprises. This procurement is a single turnkey contract for an integrated capability across seventy-six units under one accountable counterparty, and is not divisible into schedules or lots capable of separate award. The quantity set-aside and the price-matching mechanism available to micro and small enterprises under the Public Procurement Policy for Micro and Small Enterprises Order, 2012 accordingly do not operate on this tender, and the reasons for that conclusion are recorded on the file before publication. The exemptions available to a registered micro or small enterprise from earnest money and from the cost of tender documents are available and are administered under the norms of the Government e-Marketplace; they do not extend to the performance security.

2.7 The bid process and evaluation methodology

The bid process runs in eight stages in the order set out at Table 2.4. The proof of concept is a pre-award stage: it follows technical qualification and precedes financial evaluation and award, every bidder qualifying on the technical criteria is required to demonstrate, and no part of the demonstration is deferred until after award.

Table 2.4: Stages of the bid process

Stage	What occurs	Who participates	Output
1	Publication of the tender with all annexures, the acceptance test plan, the proof-of-concept test library and the dataset description	Not applicable	Published tender
2	Pre-bid meeting and written queries, as published for this tender on the Government e-Marketplace	All prospective bidders	Consolidated query-and-response document published to all bidders on the portal
3	Bid submission, within the window as published for this tender on the Government e-Marketplace	All bidders	Technical and financial bids submitted electronically on the procurement platform in two parts
4	Prequalification against the criteria at Chapter 15	All bidders	Prequalified bidder list
5	Technical evaluation against the pass-or-fail criteria at Chapter 16. A bid failing any published minimum is disqualified and does not proceed	Prequalified bidders	Technically qualified bidder list
6	Proof of concept under Chapter 17, taken by every technically qualified bidder, on identical Department-supplied material, before award, including operation of every offered software item with every external interface disconnected	Every technically qualified bidder	Scored result; failure of any item marked mandatory is fatal to the bid; the build demonstrated binds the successful bidder's delivery
7	Financial evaluation. Price bids are opened only for bidders that have passed the proof of concept	Bidders passing stage 6	Evaluated prices
8	Award, contract signature and issue of the notice to proceed	Successful bidder	Contract

Two obligations are tested at stage 6, before any price bid is opened. The first is continuity: every offered software item is operated with every external interface disconnected, so that the Department establishes that the item installs, activates, runs, processes, reports and exports without reaching any service under a supplier's control. The second is conformance: the build demonstrated at stage 6 is the build the successful bidder must

deliver, and a delivered item lacking a function demonstrated in order to win the contract is a defect and not a variation. Both are specified at Chapter 10, Sections 10.2.2 and 10.2.3, and carried into the acceptance regime at Chapter 18.

The dates of the bid process, the submission window and the period for which a submitted bid remains capable of acceptance while stages 4 to 8 are completed are as published for this tender on the Government e-Marketplace. Earnest money and bid security are governed by the norms of the Government e-Marketplace and are not separately fixed in this Request for Proposal.

Written queries are made by the route and by the date as published for this tender on the Government e-Marketplace; a query received by any other route before that date is nonetheless considered. A consolidated query-and-response document is published to every bidder on the portal in an attachable document format, and every corrigendum is published in the same manner. No reply is given to one bidder that is not given to all.

Reservations. The Department may, at any time before award and for reasons recorded in writing, reject any bid, reject all bids, or annul the process in whole or in part, without incurring any liability to any bidder and without any obligation to state the reasons to a bidder. No bidder acquires a right to award by reason of having been prequalified, technically qualified or having passed the proof of concept.

Where only one bid is responsive. A single responsive bid is not rejected on that ground alone. It is evaluated on the published criteria, and where it passes every stage the Apex Procurement Committee satisfies itself, on a recorded note, that the tender was widely and adequately publicised, that the qualification criteria were not restrictive, that no bidder was excluded on a ground outside the published criteria, and that the price is reasonable by reference to the estimated bid cost, before award is approved.

Where every responsive bid exceeds the amount available. Where the lowest evaluated price of every bid passing stage 6 exceeds the amount available for this contract at Section 14.8, the Apex Procurement Committee may, on a recorded note, negotiate with the bidder whose evaluated price is the lowest and with no other bidder, in accordance with the guidance of the Central Vigilance Commission on negotiation in public procurement; or reduce the quantity of one or more line items within the limit at Chapter 14, Section 14.9 and require a revised price computed at the bidder's own quoted rates; or annul the process and re-tender. It shall not award above the amount available without a fresh sanction of the competent authority.

Representation by a bidder. A bidder informed in writing that it has not been prequalified, that it has been disqualified at technical evaluation, or that it has failed the proof of concept may make a written representation to the Programme Director within seven working days of that communication, stating the criterion or case relied on and the ground on which it says the decision was wrong. The representation is placed before the Apex Procurement Committee, which decides within fifteen working days and communicates the decision with its reasons. A representation does not entitle the bidder to any document relating to another bidder, to a re-test, or to any further submission of evidence, and no evidence not submitted with the bid is considered on it. The result of the procurement is not declared, and no letter of award is issued, until every representation received within the period has been decided.

Technical qualification is pass or fail against published minima. Price determination among bidders that pass the proof of concept follows the rules of the procurement platform. An abnormally low bid attracts a written price justification, and rejection is permitted where the justification is unsatisfactory. The conditions of the proof of concept are uniform: the test library is deliverable on equipment a bidder can reasonably bring or access, the dataset description is released not less than ten working days before the first session, every bidder faces identical Department-supplied material, and each party bears its own logistics.

2.8 The programme envelope and the treatment of cost

The programme envelope is ₹100 crore, inclusive of applicable taxes and of the thirty-six-month operations period. The envelope is not the bid ceiling: the amount of it available for this contract is the envelope less the contingency, less the independent audit and programme management support at SV-05 and less the technology-refresh and extended-warranty reserve at RS-01, each held or paid outside this contract, and that amount is stated in figures as published for this tender on the Government e-Marketplace. A bid whose

inclusive total exceeds that amount is rejected. Chapter 14, Sections 14.2, 14.4 and 14.8 state the basis in full. No other ceiling applies.

This Request for Proposal contains no rate, no unit cost, no category subtotal and no capital or operating value; the Bill of Materials at Chapter 9 carries quantities and no rates. Where a commercial term is properly expressed as a percentage — the milestone payment split, performance security, liquidated damages and their cap, service-credit caps, contingency and the turnover threshold — the percentage is stated and is never resolved to a value. Prices are submitted only in the price schedule published on the procurement platform, and Chapter 14 states the commercial framework in full.

2.9 The operating environment

Three national platforms carry coordination that the police already perform: the National Cybercrime Reporting Portal, the Samanvaya Platform and the Crime and Criminal Tracking Network and Systems.

All three operate independently of CIDAL and work upon each of them continues unchanged. CIDAL neither builds, integrates with, migrates data to, nor depends upon any of them for its own function, officers reaching them from the Controlled Internet Zone through their existing interfaces. No application-programming-interface development, no data migration and no system-to-system linkage with any of them is in scope, is priced, or may be assumed by a bidder.

Every field unit depends upon departmentally-provided internet in its Controlled Internet Zone, that zone being the unit's only external lifeline: access to the national platforms, remote support from Headquarters, licence and signature updates for offline tools and the submission of monthly returns all pass through it. It is departmental scope and is not funded inside the programme envelope. A unit without a working Controlled Internet Zone is deferred from its rollout wave, and its site-readiness row is mandatory and not conditional.

Because there is no data connection between units and no synchronisation of any kind, Headquarters has no consolidated live view of field caseload, and programme-level reporting is an administrative return certified by each unit rather than a data feed. Chapter 4 states the design consequence, Chapter 13 the service-level consequence, and Annexure E publishes the return with its limits stated on its face.

2.10 Assumptions, dependencies and constraints

Table 2.5: Assumptions, dependencies and constraints

#	Type	Statement	Consequence if it does not hold	Owner
AD-1	Dependency	Accommodation meeting the space, structural and civil-readiness rows of the site-readiness checklist at Annexure H is provided by the Department at each of the 76 units	The unit is certified not ready, is deferred from its wave without damages and is re-sequenced	Department
AD-2	Dependency	Departmentally-provided internet is available in the Controlled Internet Zone at every field unit	National-platform access, remote support, licence updates and returns fail at that unit; the unit is deferred from its wave	Department
AD-3	Dependency	Bulk electrical supply, distribution and standby generation are available at each unit, delivering a dedicated supply of not less than 3 kVA at a District, 4 kVA at a Commissionerate and 45 kVA at Headquarters	Uninterruptible power provision cannot be commissioned; the unit is certified not ready against the numeric supply row of Annexure H, is deferred from its wave, and site acceptance fails	Department
AD-4	Dependency	The three national platforms remain operational	CIDAL's own function continues, every unit being self-sufficient, but the surrounding investigative coordination does not	Department
AD-5	Dependency	Police personnel are posted to the three field duties at each unit and released for training: one officer per District and two per Commissionerate in person, and five per field unit remotely	The trained establishment assumed at Chapter 3 does not exist, and examination throughput falls below the level at which the programme is sized	Department
AD-6	Dependency	The cascade obligation is discharged: the in-person-trained examiner trains the unit's secondary examiners on the unit's own equipment against a countersigned practical assessment	The unit's effective secondary establishment falls below five and the trained establishment assumed at Chapter 3 does not exist. Cascade completion is a monitored obligation carrying a numeric trigger of 5 certified secondary examiners at every field unit within 90 days of commissioning	Supplier and Unit In-charge
AD-7	Constraint	No network of any kind exists between units	Referred material moves physically under chain of custody, at a published transfer turnaround of 11 working days measured from the first month of	Design

#	Type	Statement	Consequence if it does not hold	Owner
			operations	
AD-8	Constraint	The programme envelope is fixed and inclusive of applicable taxes and of the thirty-six-month operations period, and the amount of it available for this contract is less than the envelope, as Section 2.8 and Chapter 14, Section 14.8 state	A bid whose inclusive total exceeds the amount available for this contract is rejected	Department
AD-9	Constraint	Contracted personnel do not sign forensic opinions or statutory certificates, do not appear as witnesses, and hold no credentials to any evidence-processing system at any field unit	Not applicable	Design
AD-10	Assumption	The demand parameters at Chapter 3 are planning assumptions with stated ranges and named approving authorities, to be replaced by first-quarter baseline measurement	Quantities are re-derived at the published re-sizing triggers at Chapter 3, Table 3.6, and additional capacity is procured as a priced change	Apex Procurement Committee and Technical Committee
AD-11	Assumption	The share of complaints above the prescribed threshold for automatic registration is unknown; the central scenario at Chapter 3 is a sizing basis and not a forecast	A load at the upper end of the tested range is a matter for re-procurement and not for re-configuration, and the re-sizing triggers at Chapter 3, Table 3.6 apply	Department
AD-12	Constraint	A recurring requirement arises at the end of the operations period. Every software item continues to operate in perpetuity under AD-13, so what recurs is hardware maintenance, the specialist cadre, and refreshment of the items named at Chapter 10, Section 10.3.2	It is to be sanctioned and budgeted separately. Chapter 14 states this qualitatively and states the mitigations in order of effect	Department
AD-13	Constraint	Every software licence carries not less than three years of updates and support from acceptance at the deploying unit and thereafter operates in perpetuity, without updates, at no further cost to the Department, with no supplier-controlled dependency. The clause is at Chapter 10, Section 10.2.2	The principal's written undertaking is a bid-responsiveness requirement. There is no optional software item: a bid that omits the undertaking for any software item offered, or that qualifies the clause, is non-responsive as to that item. Compliance is demonstrated at the proof of concept and at acceptance, with every external interface disconnected	Design and Department
AD-14	Constraint	All software supplied shall be free from defects, shall conform to its specification at Chapter 10 and to the build demonstrated at the proof of concept, and shall be free of malicious code, undocumented interfaces and undisclosed data transmission, defects being corrected in four severity classes within published periods at no cost for the whole term. The clause is at Chapter 10, Section 10.2.3	Persistent failure is a service-level breach under Chapter 13 and attracts the service credits published there. A delivered build lacking a function demonstrated at the proof of concept is a defect of at least High severity, corrected at the supplier's cost	Design and Department

2.11 How this Request for Proposal is organised

This Request for Proposal is in three parts: Part A, the design, at Chapters 1 to 7; Part B, delivery, at Chapters 8 to 13; and Part C, procurement, evaluation and acceptance, at Chapters 14 to 18. The chapters and the annexures are listed in the front matter, and each annexure forms part of this Request for Proposal and carries the same force as the chapters.

Chapter 3 fixes the quantities from which every other quantity derives, and the derivation runs in that direction and in no other: any chapter requiring a demand, throughput, storage, machine, electrical, referral or establishment quantity takes it from Chapter 3. Where any other chapter or annexure states an item quantity that differs from the Bill of Materials at Chapter 9, the quantity at Chapter 9 governs.

Two conventions apply throughout. Quantities are stated and rates are not. And where a figure is labelled a planning assumption, that label is operative: the figure carries a range and a named approving authority, it is scheduled for replacement by measurement, and it creates neither a contractual obligation upon the supplier nor an item of scope. A bidder prices the quantities and the obligations, and nothing else.

Chapter 3: Need Assessment, Demand Forecast and Capacity Model

3.1 Basis of the assessment

The programme is sized from the Department's cybercrime registration data for Uttar Pradesh and from the forensic workload analysis derived from it. That analysis, the data series on which it rests and the derivations it performs are held by the Department. They are not published with this Request for Proposal, and no bidder is required or expected to reproduce them.

What this chapter publishes is the outcome: the quantities at Section 3.3, the storage figures at Section 3.4 and the machine constraint at Section 3.5 are the design point against which the estate is specified. They are fixed in this chapter and in Chapter 9 and are contractual on the date of award. No other provision of this Request for Proposal may assert a different figure for any of them; where Chapter 9 and this chapter differ, Chapter 9 governs. The Q-identifiers are those of the departmental capacity model and are not in a continuous sequence.

3.2 The estate

CIDAL is delivered at seventy-six units: one Headquarters laboratory, seven Commissionerates and sixty-eight Districts. Seventy-five of those units, being the Commissionerates and the Districts, are field units. Every unit is standalone and air-gapped and holds no data connection to any other unit. This is the single authoritative statement of the estate, and the unit-by-unit schedule and deployment plan is at Annexure A.

Table 3.1: The estate

Tier	Units
Headquarters	1
Commissionerate	7
District	68
Total	76, of which 75 are field units

3.3 The quantities this chapter fixes

Table 3.2: Quantities fixed by this chapter

#	Quantity	Value
QT-16	Share of registrations carrying a digital exhibit	55 per cent
QT-18	Exhibits per examinable case	1.8
QT-19	Exhibit class mix	Mobile device 66 per cent; computer or portable-computer internal storage 14 per cent; removable storage media 12 per cent; telecom and account record sets 8 per cent
QT-20	Weighted acquired volume per exhibit	121.76 GB
QT-23	Weighted machine-occupancy hours per exhibit	7.41
QT-31 to QT-37	Residency, peak concurrency, contractual usable storage, redundancy, archival write and retention volume, by tier	Section 3.4, Tables 3.3 and 3.4
QT-38	Referral demand rate	5.80 per cent of State-wide exhibits; 6.03 per cent of a District's exhibits and 4.91 per cent of a Commissionerate's; 10.4 per cent of examinable cases
QT-43, QT-44	Headquarters examining posts within the 20-post specialist cadre; referrals absorbed	11 posts; 600 referrals a year, about 8 per field unit
QT-45	Transfer turnaround per referred exhibit, non-examination elapsed time	11 working days
QT-46	Tamper-evident seal consumption, State-wide	Approximately 1,08,000 a year, being 3.13 seals per exhibit applied to the State-wide exhibit throughput published for each tier at Section 3.5; the sizing basis for the spares and consumables provision
QT-47	Programme reporting mechanism	Monthly certified return from each of the 75 field units, consolidated quarterly, supporting an annual capacity review
QT-53 to QT-	Initial trained population	82 officers in person at the 30-position Headquarters training laboratory, one per District and two per Commissionerate; 375 remote, five per field unit; 457 in all

#	Quantity	Value
55		
QT-56	Examiner establishment per unit	District one primary and five secondary examiners; Commissionerate two primary and five secondary
QT-59	Case registration and evidence acquisition	At the 75 field units only. Headquarters maintains a referral register, registers no case and issues no case identifier
QT-64	Resident case working set	548 GB; scratch residency at Table 3.5
QT-64a	Resident referred-exhibit working set at Headquarters	821 GB
QT-65	Sustained electrical load per machine class	Laboratory-grade workstation 947 W; field-grade workstation 740 W; acquisition and processing node 399 W
QT-66	Connected information-technology load per unit	District 1.44 kW; Commissionerate 1.88 kW; Headquarters 25.31 kW
QT-67	Site-readiness dedicated supply, not less than	District 3 kVA; Commissionerate 4 kVA; Headquarters 45 kVA
QT-68	Dedicated circuits, not fewer than	2 at a District and 3 at a Commissionerate, and at Headquarters the count fixed at Chapter 10, Table 10.23 and verified at Annexure H, Table H.4; earth resistance not exceeding 5 ohms at a field unit and 1 ohm at Headquarters
QT-69	Machines carrying a dedicated power provision, and the stored energy across them	161 provisions: 11 laboratory-grade workstations, 82 field-grade workstations and 68 acquisition and processing nodes; of the order of 120 kWh nominal across 76 sites

3.4 Working storage, archival writing and retention

The contractual usable figures are floors: a bidder may exceed them and may not offer less. Chapter 10 sizes the storage, the archival media provision and the backup and archive tier against these figures.

Table 3.3: Working storage, archival writing and retention at a field unit

Component	District	Commissionerate
Target residency in working storage, working days	20	15
Peak concurrent examinations	26.9	50.4
Acquired volume per resident case	219.2 GB	219.2 GB
Derived working-storage requirement	14.7 TB	27.6 TB
Contractual usable storage, not less than	16 TB	32 TB
Implied raw provisioning, not less than	32 TB	64 TB
Redundancy scheme	Mirrored, tolerating loss of one device	Mirrored, tolerating loss of one device
Encryption of working storage at rest	Mandatory	Mandatory
Annual write to removable archival media	49.1 TB	122.8 TB
Retention volume over the 36-month term	147 TB	368 TB

Table 3.4: Working storage, archival writing and retention at Headquarters

Component	Value
Referred exhibits a year, at the gated volume	600
Target residency in working storage, working days	30
Mean concurrent referred exhibits	72.0
Acquired volume per referred exhibit	194.8 GB
Derived requirement, being 72.0 resident referred exhibits at the 821 GB working set at QT-64a, including a surge and oversized-exhibit reserve of 25 per cent	73.9 TB
Contractual usable storage, not less than	96 TB
Implied raw provisioning, not less than	144 TB
Redundancy scheme	Tolerating concurrent loss of two devices
Encryption of working storage at rest	Mandatory
Annual write of referred-exhibit copies to removable archival media	116.9 TB
Retention volume over the 36-month term	351 TB

The retention provision is sized on the archival rule: a preserved exhibit's verified image is written to removable archival media, hash-verified against the acquisition hash and removed from working storage within five working days of acquisition, reclassification restoring it. State-wide retention over the thirty-six-month

term is of the order of 12,596 TB across the seventy-five field units, counted once at the unit of origin, with a further 351 TB of referred-exhibit copies at Headquarters.

Solid-state scratch is a working surface and not case storage: it is emptied as each case closes, holds nothing of record and is additional to the case store above. Above the acquired volume stated for its class at Table 3.5 a single exhibit's working set no longer fits the scratch and processing falls back to the case store; the concurrent high-load acceptance test at Chapter 10 shall accordingly be run on a reference exhibit whose acquired volume exceeds the scratch of the class under test.

Table 3.5: Solid-state scratch against the resident case working set

Machine class	Solid-state scratch	Resident case working sets held	Acquired volume of a single exhibit above which its own working set no longer fits
Field-grade workstation, and acquisition and processing node	2 TB	3.6	About 800 GB
Laboratory-grade workstation	4 TB	7.3	About 1,600 GB

3.5 The machine constraint at a District

Each of the sixty-eight Districts holds one field-grade analysis workstation and one acquisition and processing node, and the node is not available for reduction at any specification and at any price. A device provides 2,500 machine-hours a year. At the design point a District requires 2,988 machine-hours of examination and processing and a further 153 machine-hours of archival writing, which the analysis workstation carries no item to perform: 3,141 machine-hours against the 2,500 one device provides, being 126 per cent of it. Nor can one machine acquire and examine at the same time, 845 machine-hours a year being live acquisition with a write-blocked source attached, and an acquisition starved of input or output bandwidth can time out and produce a truncated image, which is an evidential failure. Acquisition and attended examination are not reduced by any property of the host machine, and are together 4.82 machine-hours per exhibit and 8.68 per case, so no workstation specification releases the second device. Withdrawing the node would also move storage rather than release it: it carries 8 TB usable and 16 TB raw of acquisition target store, additional to the workstation's contractual floor, and without it the District floor becomes 24 TB usable and 48 TB raw.

With two devices a District breaks even on the machine constraint, archival writing counted, at 356.6 examinable cases a year, being 59 per cent above the load the estate is sized for. That margin is what the second device provides; it does not provide coverage, the binding constraint at every tier being examiner-hours, which are departmental and are not procured under this Request for Proposal. A Commissionerate holds three devices in its Evidence Processing Zone, being two field-grade analysis workstations and a bench hardware forensic imager, and holds no acquisition and processing node.

3.6 The numeric re-sizing triggers

The triggers at Table 3.6 are published so that the quantities this chapter fixes are reopened by measurement and not by argument. Each is objectively determinable from the monthly certified returns and the referral register and is tested at the frequency stated against it. On any trigger the capacity model is re-run with the measured value substituted and additional capacity is procured as a priced change approved by the Apex Procurement Committee.

Review is not deferral: it governs capacity beyond the contracted quantity and nothing else. Every field measure on which a trigger depends is taken from the certified monthly return of the unit itself and never from a live field figure.

Table 3.6: Numeric re-sizing triggers, thresholds and consequences

#	Trigger	Threshold	Consequence	Tested
T-1	Measured share of complaints above the prescribed registration threshold	Exceeds 3.0 per cent in any full quarter	The whole model is re-run, the high scenario of the departmental capacity analysis becomes the planning basis, and the procured quantities are reopened	Quarterly

#	Trigger	Threshold	Consequence	Tested
T-2	Measured exhibits per examinable case	Exceeds 2.2, or falls below 1.4, over two consecutive quarters	Storage, machine-hours, archival media and seal provisions are re-derived	Quarterly, declared at the second
T-3	Measured share of registrations carrying a digital exhibit	Exceeds 65 per cent, or falls below 45 per cent, over two consecutive quarters	The throughput chain is re-derived and the field workstation count reviewed	Quarterly, declared at the second
T-4	Measured exhibit throughput at any tier	Exceeds 484 exhibits a year at a District, or 1,210 at a Commissionerate, over two consecutive quarters	The equipment set at the tier concerned is reviewed	Quarterly, declared at the second
T-5	Measured mean acquired volume per exhibit	Exceeds 152 gigabytes over two consecutive quarters	Working storage, retention media and referral package sizing are re-derived	Quarterly, declared at the second
T-6	Measured resident exhibit count at any tier, taken as the peak at a District and at a Commissionerate and as the monthly mean at Headquarters, matching the basis on which each figure is fixed at Section 3.4	Exceeds 26.9 concurrent examinations at a District or 50.4 at a Commissionerate, in any month; or exceeds 72.0 referred exhibits at Headquarters as a monthly mean	Immediate storage review at that tier	Monthly
T-7	Referral volume reaching Headquarters	Exceeds 600 referrals a year on a rolling twelve-month basis	The referral criteria are tightened or the cadre is reviewed, the choice being put to the Apex Procurement Committee	Quarterly
T-8	Pendency at any unit	The oldest unexamined exhibit exceeds 60 working days at a field unit, or 90 working days at Headquarters	Escalation to the Programme Director and a queue-stability review at that unit	Monthly
T-9	Reconciled State-wide count of cybercrime registrations	Falls outside the indicative band of two to three times the portal-logged figure	The band is withdrawn and replaced by the measured figure, and the demand chain is re-derived	On completion of the reconciliation task, and annually
T-10	Measured sustained electrical load at any machine class	Exceeds the load declared for that class by more than 20 per cent	The runtime obligation at that class's power provision is re-verified at the measured load at the supplier's cost, and the unit's supply and circuit provision is reviewed against the site-readiness figures	At acceptance, and at each annual maintenance visit
T-11	Exhibits whose working set exceeds the solid-state scratch capacity of the tier, taken at the annual physical inspection from the unit's own acquisition and examination records	More than 10 per cent of exhibits treated at a tier in the year preceding the inspection	The machine-hour figures for that tier are re-derived at the degraded processing factor and the scratch provision is reviewed	Annually, at the physical inspection

Chapter 4: Target Architecture and Detailed Design

4.1 Scope of this chapter and the rules the design obeys

This chapter states the architecture of CIDAL. It is expressed in functions, zones and controls rather than in products; where Chapter 10 names a product, it does so only as an indication of the class and the level of capability expected, under the rule on indicative products and equivalence at Section 10.1, and any product equivalent to or better may be offered and shall be accepted against the measurable floor stated there. Six rules govern every statement in this chapter and every clause drawn from it in Chapters 8, 10 and 18.

- Each of the seventy-six units is self-sufficient by design and holds no data connection to any other unit.
- Nothing moves between units except a specific referred exhibit or its verified forensic image, under unbroken chain of custody, on a decision recorded before despatch.
- One capability is procured once and appears once in the Bill of Materials, at every tier that holds it and inside no composite item.
- Every unit that receives software receives a machine capable of running it, each machine carrying a stated annual workload fixed at Chapter 3.
- The zoning and duty model at a field unit is drawn to what a small police team can operate, evidence and be audited on. Field units are staffed by police personnel and there is no contracted post at any of them.
- Every control is stated as a control and not as the name of an architecture, and is verifiable at acceptance on Department-supplied material under Chapter 18, Annexure B and Annexure G. A control that cannot be tested is not specified.

4.2 The capability layer model

CIDAL is specified as five capability layers, each at a stated grade at each tier that holds it. Layers are not tiers, are not a chain of command, and no layer implies a data path between units.

Table 4.1: Capability layers and where each exists

Layer	Function	Where it exists
L1: Intake, Classification and Custody	Case registration, exhibit receipt, sealing, triage classification, chain-of-custody register, storage assignment, movement records, disposal	The 75 field units. Headquarters holds an equivalent function for referred exhibits only, under a referral register
L2: Acquisition and Preservation	Write-blocked imaging, hashing, verification, working-copy creation, on-scene collection, volatile-data preservation, evidence packaging, archival writing	All 76 units, save that on-scene collection exists at the 75 field units only: Headquarters takes no intake, mounts no scene response and holds no on-scene response kit
L3: Examination and Analysis	Host and computer forensics, mobile forensics, telecom record analysis, bounded triage examination, media processing, online and virtual-asset investigation	Graded: full set at Headquarters; laboratory grade at a Commissionerate; field grade at a District
L4: Authorisation-Gated Capability	Advanced access to locked devices, lawful cloud and account acquisition, credential and passphrase recovery. Each is exercisable only under the written approval of the authorised officer, being an officer of the Cyber Crime Headquarters of a rank designated by the Department for the purpose	Headquarters only, by design
L5: Assurance and Support	Peer review, tool validation, training delivery, remote assistance to field units, service-level measurement, independent audit, consolidation of unit returns	Headquarters, serving all units

L4 is singular by design: one location, one authorisation register, one audit trail, its exercise recorded case by case under the gate at Chapter 5. L1 is absent from Headquarters in the case-owning sense. The security, audit and evidentiary control set at Sections 4.5 to 4.11 is cross-cutting, applying at every layer at every unit, and is not a layer of its own.

4.3 The three tiers, and what each can and cannot do

The tiers are capability grades and nothing else. A District does not report to a Commissionerate, and a Commissionerate does not supervise, advise, assist, quality-assure or receive work from a District: there is no

relationship between them of any kind, and no procedure, register, responsibility matrix, workflow, acceptance test or figure in this Request for Proposal shows one.

Table 4.2: Tier capability: function, what each tier does, and what it cannot do alone

Attribute	Headquarters (1)	Commissionerate (7)	District (68)
Function	Referral examination facility, authorisation-gated capability holder, training authority, tool-validation and quality authority, support desk, consolidator of unit returns	Self-sufficient laboratory for its own caseload, at laboratory grade on host forensics, with two examination seats	Self-sufficient first-line laboratory for the dominant caseload, at field grade
Registers cases	No. Referral register only	Yes	Yes
Acquires evidence directly	Only exhibits received on referral	Yes	Yes
Can do	Every examination the other tiers perform, on exhibits received by referral, and in addition: advanced access to locked devices; lawful cloud and account acquisition; credential and passphrase recovery; multi-operator and cross-case telecom correlation; online and anonymised-network investigation; virtual-asset tracing; media processing and enhancement; media authenticity and synthetic-media analysis; acquisition from the alternative desktop platform; large-volume and multi-exhibit processing; peer review of referred outputs; tool validation	Laboratory-grade host and computer forensic examination including multi-volume and array reconstruction and extended file-system families; bench duplication at throughput; mobile acquisition and analysis on two seats; telecom record analysis on bounded case datasets; on-scene response; bounded triage examination; custody	Field-grade host and computer forensic examination (imaging, verification, keyword and pattern search, file carving, timeline reconstruction, system, log, browser, messaging, document and mail artefact recovery); mobile acquisition and analysis of accessible, consented and after-first-unlock devices; telecom record analysis on bounded case datasets; on-scene collection; bounded triage examination; custody
Cannot do alone	None	Everything in the Headquarters "plus" list	Everything in the Headquarters "plus" list, and multi-volume or array reconstruction, extended file-system families, bench duplication at throughput, and single exhibits exceeding the local working-storage envelope
Contracted staff on site	20	0	0
Data connection to any other unit	None	None	None

The Commissionerate uplift. Over and above a District, a Commissionerate holds a second analysis workstation, a bench hardware duplicator, a host-forensics entitlement at laboratory grade and not at field grade, a second mobile acquisition and analysis seat, a second in-person-trained primary examiner, one further evidence cabinet, and a larger local cabling and power provision. The difference runs the other way in one respect: a District holds the acquisition and processing node and a Commissionerate does not, for the reason fixed at Chapter 3, Section 3.5. Those two statements are the whole of the difference between the two field tiers.

4.4 Case ownership and the referral model

All case intake, registration and direct evidence acquisition occur at the seventy-five field units. Headquarters registers no case, owns no case, and receives no exhibit other than by referral: it receives a specific referred exhibit or its verified forensic image, performs the referred examination, issues its report to the originating unit, and returns the exhibit. The originating unit retains ownership of the case throughout, and its case identifier is never reissued.

Table 4.3: The referral model: what moves, what is raised, and what is returned

Element	Specification

Element	Specification
Who may refer	A Unit In-charge at any of the 75 field units, on the referral criteria at Chapter 6, for a case classified P1 or P2 under the triage standard at Annexure C
Destinations	District to Headquarters; Commissionerate to Headquarters; or either, where the requirement is outside CIDAL's scope, to the State Forensic Science Laboratory or the notified Examiner of Electronic Evidence. There is no other destination
What is raised	A referral request carrying the originating case identifier, the originating exhibit identifier, the referral criterion code relied on, the triage class, the hash values, the seal numbers and the identity of the despatching officer
What moves	The specific referred exhibit, or its verified forensic image, and nothing else. Movement is by departmental courier or escorting officer against numbered tamper-evident seals, with a printed custody slip. Commercial courier is prohibited for original exhibits
What Headquarters keeps	A referral register keyed to the originating identifiers. Headquarters issues no case identifier and maintains no case register
Verification on receipt	Hashes are verified at Headquarters before any processing. A mismatch is an incident under the contamination-response procedure at Chapter 6
Acceptance or declining of a referral	Headquarters accepts or declines the referral within one working day of hash verification, within the acknowledgement step of the turnaround ledger at Chapter 6 and adding no elapsed time to the published eleven working days. The decision, its date and, where the referral is declined, the reason and the criterion relied on are recorded against the referral register entry and notified to the originating Unit In-charge
What is returned	An examination report addressed to the originating Unit In-charge, filed against the originating case, and the exhibit. Headquarters files a copy against the referral register entry under the retention schedule at Annexure L
Transfer turnaround	A published turnaround of 11 working days of non-examination elapsed time per referred exhibit, measured from the first month of operations

Nothing precludes the introduction of case registration at Headquarters by notification of the Government: the Case and Evidence Management System is the same at every unit and is configured at Headquarters as a referral register.

4.5 Security zoning at a field unit

A field unit operates three zones. The separation is physical, delivered as part of the unit's local cabling and switching provision and sized to the unit's own procured endpoints only. There is no firewall, router or tunnelling device at any field unit, there being no external network to terminate other than the departmentally-provided internet service in the Controlled Internet Zone.

Table 4.4: Security zones at a field unit, purpose, minimum controls and typical contents

Zone	Purpose	Minimum controls	Typical contents
Z1: Evidence Processing Zone	Acquisition, verification and examination of digital evidence	Offline in operation, with no path to any network outside the zone; hardware-enforced write blocking on every acquisition path; authenticated operator identity with per-session logging to tamper-evident local storage; physical access limited to the Examiner and the Unit In-charge, and to the Custodian for the sole purpose of producing or returning an exhibit and making the custody entry that act requires, under the Custodian's own authenticated identity and access rights; removable-media control under Section 4.7; encryption of working storage at rest	Analysis workstation (one at a District and two at a Commissionerate), the acquisition and processing node, which is held at a District only, write blockers, local working storage, archival writer and the dedicated power provision at each machine under Section 4.12
Z2: Controlled Internet Zone	National-platform work, correspondence, licence and signature updates, remote support from Headquarters, submission of the monthly return	A separate machine or a separately-connected endpoint; holds no evidential artefact, forensic image, working copy or derived intermediate at any time; no shared storage with Z1 and no shared account with Z1; authenticated to the individual officer	Internet-connected endpoint, printer, scanner
Z3: Physical Evidence Holding Zone	Receipt, sealing, storage and movement of physical exhibits	Locked cabinets to stated gauge with three-point locking, tamper-evident sealing points and anchoring; access register; case separation; sole custodial responsibility; seal stock under separate lock	Evidence cabinets, seal stock, custody register terminal

That Z1 has no path outside itself, that Z2 holds no evidential artefact and that Z3 conforms physically are three distinct acceptance stages under Chapter 18, each with a documented test producing retained evidence.

4.6 Security zoning at Headquarters

Headquarters holds five zones and an out-of-band management domain, delivered by a single zoned switching and security provision with redundant supervisory and power elements. No inter-unit tunnel and no wide-area routing is provided, procured or priced.

Table 4.5: Security zones at Headquarters

Zone	Purpose	Minimum controls
Z1: Evidence Processing Zone	Examination of referred exhibits, media processing, large-volume processing	Offline in operation; authenticated identity per operator; write blocking on every acquisition path; encryption at rest; immutable logging
Z2: Controlled Internet Zone	National-platform work, correspondence, licence and signature updates, support desk, returns consolidation. Contains a separately administered non-attributable egress segment for online and anonymised-network investigation	Separately administered; the egress segment carries no path to Z1 or Z4; evidential capture on that segment is written with timestamps, hashes and session logs and enters Z1 only under Section 4.7
Z3: Physical Evidence Holding Zone	Receipt, sealing and storage of referred exhibits and their return	As Z3 at a field unit, with a referral-package receipt and despatch station
Z4: Authorisation-Gated Capability Zone	The three authorisation-gated capabilities	Separately administered, with its own authorisation register, its own audit trail and its own access list; entry only against an authorisation recorded before the attempt; all processing on Government-controlled infrastructure inside India
Z5: Training Zone	The 30-position training laboratory, delivering the programme at Chapter 12: thirty learner endpoints and one instructor endpoint, each fully equipped and carrying the whole training instance set, with not fewer than thirty concurrent entitlements of every hands-on licence class, so that the whole batch takes any hands-on module together and no cohort is divided, supported by thirty training device sets	Isolated training network with no path to any evidential zone; carries non-evidential training data only. The livestream to the field units at IN-04.14 originates from the separately connected Controlled Internet Zone endpoint of the laboratory and holds no path to any learner segment or to any evidential zone
Out-of-band management domain	Administration of every Headquarters zone, Z1 to Z5, no zone being administered by any other route	Multi-factor authentication for every administrative account; separate administrative identities from operating identities; central log collection; time synchronisation to the national reference

4.7 The removable-media crossing control

The only permitted movement between the Evidence Processing Zone and the Controlled Internet Zone is by controlled removable media under the procedure below. No other path exists at any unit, and no chapter, specification or acceptance test creates one. Each of the seven steps generates a record in the crossing register, whose column set at Annexure D is a functional requirement of the Case and Evidence Management System at Section 4.9.

- The Unit In-charge authorises the crossing, stating direction, purpose and content class. Four classes are permitted inward (signature, definition and licence updates; tool, firmware or operating-system patches; Department-supplied reference and known-answer material; and, at Headquarters alone, evidential capture taken on the non-attributable egress segment of the Controlled Internet Zone, with its timestamps, hashes and session logs) and two outward (completed reports and summaries; manifests, certificates and returns).
- The Unit In-charge issues a registered, uniquely identified, single-purpose item of removable media from the controlled pool, not shared between directions and used for no other purpose, against the authenticated identity the system records; the Custodian holds the pool under lock and produces the medium against the entry.

- The media is sanitised before use, against the media identifier.
- Content is written in the source zone by the officer named on the authorisation; its size and hash are recorded.
- The media is carried by that officer and read in the destination zone; the hash is verified on read and the verification recorded.
- The media is sanitised again after use, and that sanitisation is recorded.
- The media is returned to the pool and the Unit In-charge closes the entry.

No evidential artefact, forensic image, working copy or derived intermediate crosses outward at any time, and no content of any other class crosses inward. The register, the sanitisation records, the media pool and their use are verified at site acceptance and at every subsequent inspection.

4.8 Duties, identity and access control

A field unit carries three duties. A duty is a set of responsibilities attached to a posting and not a post.

Table 4.6: The three duties at a field unit: responsibilities, access rights and audit requirements

Duty	Responsibilities	Access rights	Audit requirements
Unit In-charge	Authorises acquisition and examination; assigns and records the triage class within two working days of receipt; decides and signs referrals; reviews and countersigns examination reports; certifies the monthly return; controls zone access and the crossing register	Read access to every record in the unit's Case and Evidence Management System; authorising and countersigning rights; no examination session in a case the officer will review	Every authorisation, classification, reclassification, referral decision, countersignature and certification carries the officer's identity, the date and the reason where a reason is required
Examiner	Acquires, images, verifies and examines; operates the Evidence Processing Zone; prepares the examination report; writes archival copies; maintains tool and version records	Operating access to Z1 and to the case records of cases assigned; no countersigning right	Every session, tool invocation, hash computation and hash verification is logged to tamper-evident local storage against the operator's identity
Custodian	Receives exhibits and issues receipts; seals; stores; records every movement; maintains the exhibit and custody registers; prepares, seals and despatches referral packages and receives returns; maintains seal stock and the crossing media pool	Custody and movement entry rights; access to Z3; no examination or countersigning right	Every receipt, seal number, movement, storage assignment, despatch, return and sanitisation is recorded against the Custodian's identity with date and time

The segregation rule. One officer may hold more than one duty except where segregation is evidentiary: the examiner of a case may not review or countersign that case's report. Where a unit's only trained examiner is also its Unit In-charge, the review is performed on the record by the officer to whom the Unit In-charge reports. Review is a procedural and evidentiary check on completeness, method, hash values and stated limitations; it is not a re-examination and the reviewer need not be a trained examiner.

Table 4.7: Headquarters role set, access boundaries and audit requirements

Role	Access boundary	Audit requirement
Laboratory Head	Read access to the referral register and to every referred-examination record; signs referred-examination reports	Signature with identity and date on every report issued to an originating unit
Quality and Review Authority	Read access to referred-examination records; peer review and tool-validation records; may not work in an examining session under review	Review record with reviewer identity, date, findings and disposal
Discipline Specialist, examining	Operating access to Z1, and to Z4 only against a recorded authorisation	Session, tool and hash logging as for a field Examiner; per-attempt record in Z4
Infrastructure and Security Administrator	Administrative access through the out-of-band management domain with multi-factor authentication; no access to case content	Every administrative action logged to write-once storage and reviewed monthly by the Laboratory Head
Authorisation Register Officer	Custody of the authorisation register; entry rights only; no examination rights	Every register entry carries the authorisation reference, the authorising authority, the date and the officer making the entry
Evidence Custodian and Referral Register Officer	Custody and movement entry rights; access to Z3; referral register entry rights	As for a field Custodian, with hash verification recorded on receipt and on return
Support Desk Officer	Access to the ticket record only. No access to any machine holding case evidence, and no credentials to any field evidence-processing system	Every ticket carries the unit, the severity, the timestamps and the resolution
Training Officer	Access to Z5 only, and to attendance, assessment and cascade-	Attendance and assessment records retained under

Role	Access boundary	Audit requirement
	certification records	Table 5.5
Documentation and Returns Officer	Read access to submitted unit returns; consolidation rights; no case-record access	Consolidation record identifying the returns consolidated and the date

Access control at a single-seat deployment. A District Evidence Processing Zone holds one analysis workstation and one processing node, operated by one trained primary examiner and the secondary examiners that officer certifies; the field-unit requirement is accordingly authenticated operator identity with per-session logging to tamper-evident local storage. Multi-factor authentication for administrative access at Headquarters is at Tables 4.5 and 4.7.

4.9 The Case and Evidence Management System

The Case and Evidence Management System is each unit's book of record. Every act performed on a case or an exhibit is recorded in it when it is done, by the officer who did it, in a form that cannot afterwards be altered. It does not investigate and is not an administrative case-tracking system.

One standalone instance at each of the seventy-six units, operated by that unit alone. There is no server instance, no consolidation, no replication and no synchronisation of any kind between instances, whether online or offline, at any cadence, in any direction, by any mechanism. It operates in full with no network connection: registration, custody, classification, acquisition recording, examination recording, reporting, return generation and export are all available at a unit never connected to anything. It runs on the unit's own procured workstation alongside the forensic tooling; no separate server, appliance or dedicated machine is procured for it at any unit. It must stay responsive while that machine is under load, proved at acceptance as a concurrent workload of the class's task set in the high-load test at Chapter 10, Table 10.17. The Headquarters instance is configured as the referral register: it records each referral against the originating unit's case and exhibit identifiers, carried unaltered, and cannot register a case or issue a case identifier of its own.

The system holds twelve record sets.

- The case register: the case identifier, which the system itself allots on completion of intake and which no officer types, chooses, edits or reuses; the date and time of registration; the registering officer; the investigating officer; and the offence particulars.
- The exhibit register: the exhibit identifier, the description and class as found, the seal identifiers on receipt, the condition on receipt, photographs of the exhibit as received and the storage location assigned.
- The chain-of-custody and movement ledger: one entry for every movement and every access, carrying the Custodian's identity, the date, the time, the purpose, the seal numbers broken and applied and the hash value at each transfer. The ledger is append-only: no entry may be edited or deleted by any operating or administrative identity, a correction is made only by a further entry citing the entry corrected and stating the reason, and an entry that would leave a gap in the sequence is refused.
- The triage and priority record: the class assigned under the standard at Annexure C, the criterion code relied on, the classifying officer, the time of classification and every reclassification with its reason, its requesting officer and its date. A classification entry carrying no criterion code is refused.
- The acquisition record: the tool and its build identifier, the interface used, the settings applied, the start and end times, the volume acquired, the hash computed at the source, the hash computed on the image and the verification outcome; an exhibit whose verification failed is marked so that the failure cannot be overlooked in any later view of it.
- The examination record: the notes, the artefacts relied on by name, the findings, the limitations and the linkage of each finding to the artefact from which it is drawn.
- The report and sign-off record: the report in the prescribed structure, the examiner's signature and the reviewer's countersignature. Maker-checker is enforced by the system, which refuses to record a review against the identity that examined the case.
- The referral record: the referral request, the criterion code, the package manifest, the seal numbers, the despatch and receipt acknowledgements, the acceptance or declining decision with its date and its reason where declined, and the returned result.

- The removable-media crossing register: every crossing under Section 4.7, with the media identifier, the direction, the content class, the hash on write and on read, the authorising officer and both sanitisation records.
- The seal stock register: seals received, issued, used, voided and held, reconciled monthly in the certified return.
- The retention and disposal record: the retention clock for each artefact class under Annexure L, its expiry and the disposal act with the authority for it. Disposal is blocked while a clock runs or while the case is open, and the block is released only by a recorded act of the Unit In-charge citing the authority relied on.
- The audit log: every action taken in the system, with the operator's identity, the date, the time, the action and its outcome, immutable, a correction being a superseding entry that preserves the original.

From those records the system produces the pendency, class-mix and turnaround reporting the unit needs; the monthly certified return in the published format at Annexure E, generated from its own records and not re-keyed; and the court file (registration, classification, custody entries, hash values, artefact linkage, reports and certificates), exported in an open, documented format that a court and an auditor can open without the system. Access is role-based on the principle of least privilege, to the duty model at Section 4.8; operator identity is authenticated and every session logged to tamper-evident local storage; and the data is held encrypted at rest with the key in departmental custody.

Annexure D is the functional specification of this system. The register column sets published there (the evidence intake form, the exhibit register, the chain-of-custody and movement register, the Triage and Priority Register, the crossing register, the referral request and package manifest, the custody slip, the examination report structure, the triage summary structure, the acquisition certificate, the seal stock register, the quality-review checklist, the clock-verification register and, at Headquarters, the referral register) are this system's fields, with their names, permitted values and mandatory or optional status. A column set published at Annexure D and not present as a field is a non-conformance. Chapter 10 states the item's full requirement set and its acceptance test.

4.10 Audit logging and time synchronisation

Immutable log storage is unconditional. It is not qualified by feasibility, cost, tier or any bidder determination, and every log class in Table 4.8 carries a stated minimum retention period. A log entry may not be edited or deleted by any operating or administrative identity; a correction is a superseding entry that preserves the original.

Table 4.8: Log classes, content, immutability and minimum retention

Log class	Where generated	Minimum content	Immutability	Minimum retention
Evidential action log	The Case and Evidence Management System at all 76 units	Actor identity, action, case and exhibit identifiers, date and time, tool and version, hash values computed or verified	Append-only, write-once; no administrative edit or deletion	Life of the case plus 5 years
Operator session log	The Z1 analysis workstation at every unit, the acquisition and processing node at each of the 68 Districts, and the hardware forensic imager at Headquarters and at each of the 7 Commissionerates	Operator identity, session start and end, devices and media attached, tools invoked	Written to tamper-evident local storage, not editable by the operator	3 years; life of the case plus 5 years for entries bound to a case
Removable-media crossing log	Crossing register at every unit	Media identifier, direction, content class, authorising officer, carrying officer, hash on write and on read, both sanitisation records	Append-only	3 years
Administrative and security log	Headquarters management domain; the Controlled Internet Zone endpoint at every unit	Authentication, privilege use, configuration change, patch application, failed access	Write-once collection within Headquarters for the entries generated at Headquarters; tamper-evident local storage at a field unit, from which no entry is transmitted to any other unit	Not less than 180 rolling days on line within India, archived for the balance of the contract term
Authorisation-gated	Z4 at Headquarters	Authorisation reference, authorising authority, date, case and exhibit identifiers, per-attempt	Immutable and separately administered	10 years

Log class	Where generated	Minimum content	Immutability	Minimum retention
capability log		record, operator identity, outcome		
Support-desk ticket record	Headquarters	Ticket identifier, unit, severity, timestamps, actions, resolution	Append-only	Contract term plus 5 years

Time synchronisation. Every system clock at Headquarters is synchronised to the national reference time source through the Headquarters zoning and switching provision, which also performs central log collection. At a field unit the Controlled Internet Zone endpoint synchronises to the same reference over the departmentally-provided internet service. The Evidence Processing Zone is offline and its clocks are governed by a recorded procedure: the Examiner verifies the Evidence Processing Zone clock against the reference time displayed in the Controlled Internet Zone at the start of each working day and immediately before each acquisition, and the check, the observed offset and any correction are recorded in the clock-verification register of the Case and Evidence Management System at Annexure D, column set E-15, whose entry the system requires before it will open an acquisition record on that machine on that day. Where the recorded offset exceeds two seconds the clock is corrected before the acquisition proceeds, and no acquisition is performed on a machine for which the day's check is not recorded. The procedure is at Chapter 6, Section 6.5 and the workflow at Chapter 7, WF-04. Clock verification is a row in the site acceptance record and in every subsequent inspection.

4.11 Working storage, backup, retention and recovery

Working storage is sized at Chapter 3, Section 3.4, and the contractual figures are floors: a bidder may exceed them and may not offer less. The figures at Table 4.9 are the unit's case store. At a District the acquisition and processing node carries a further 8 TB usable and 16 TB raw of acquisition target store, additional to that figure and not counted towards it.

Table 4.9: Working storage, residency and retention by tier

Measure	District (68)	Commissionerate (7)	Headquarters (1)
Contractual usable working storage, not less than	16 TB	32 TB	96 TB
Implied raw provisioning, not less than	32 TB	64 TB	144 TB
Redundancy scheme	Mirrored, tolerating loss of one device	Mirrored, tolerating loss of one device	Tolerating concurrent loss of two devices
Encryption at rest	Mandatory	Mandatory	Mandatory
Target residency in working storage	20 working days	15 working days	30 working days
Concurrent items in process, as fixed at Chapter 3, Section 3.4	26.9 examinations at peak	50.4 examinations at peak	72.0 referred exhibits, mean concurrent
Archival write over the 36-month term	147 TB	368 TB	351 TB

State-wide retention over the term is as fixed at Chapter 3, Section 3.4, counted once at the unit of origin; the 351 TB at Headquarters is a second copy of material already counted at the unit of origin. Archival media handling, media refresh and the read path beyond the term are second-phase matters, and Chapter 13 requires a written evidence-custody continuity plan as a handover deliverable.

The archival rule. A preserved exhibit's verified image is written to archival media, hash-verified against the acquisition hash and removed from working storage within five working days of acquisition; reclassification restores it.

Table 4.10 states two separate obligations, each measured at the restore test.

Table 4.10: Backup and recovery objectives

Data class	Where held	Backup method and frequency	Recovery point objective	Recovery time objective	Verification
The Case and Evidence Management System at a field unit	The unit	Daily backup, taken by the Examiner on the authority of the Unit In-charge, to encrypted removable media of a dedicated pool held in Z3 under the Custodian, by the operator-initiated procedure that Chapter 10 requires any trained officer at the unit to be able to perform, with a weekly copy held separately within the unit. The backup pool is separate from the crossing pool at Section 4.7, is not	24 hours	3 working days where the loss is of data only; where hardware replacement is	Restore tested and recorded monthly by the Unit In-charge, the test and its result reported in the monthly

Data class	Where held	Backup method and frequency	Recovery point objective	Recovery time objective	Verification
		used for any other purpose, and its issue, return and sanitisation are recorded in the Case and Evidence Management System		required, restoration follows the spares service level at Chapter 13	return
Verified images and working copies at a field unit	Unit working storage	Archival write to removable media with hash verification; preserved exhibits released from working storage within 5 working days	Nil loss of a verified image once its archival copy is hash-verified	5 working days to restore an archived image	Hash verified on every write and on every restore
Referral register and report repository	Headquarters compute and storage platform	Snapshot every 4 hours; daily backup to the backup and archive tier; weekly copy to removable archival media	4 hours	8 working hours	Quarterly restore test, contractual
Referred-exhibit working set	Headquarters compute and storage platform	Daily backup to the backup and archive tier	24 hours	72 hours	Quarterly restore test, contractual
Immutable log storage	Headquarters compute and storage platform	Written once and copied to the backup and archive tier	Nil	24 hours	Quarterly restore test, contractual

Quarterly restore testing at Headquarters is a contractual obligation and not a capability statement. Retention periods, media, custodian and disposal method by artefact type are published at Annexure L; disposal is on written approval and against a destruction certificate.

4.12 Power continuity, electrical load and the site condition that follows

Continuity of supply at the machine is an evidentiary control of the same class as write blocking and hashing.

Each of the one hundred and sixty-one examination and processing machines carries its own uninterruptible power supply: eleven laboratory-grade workstations at Headquarters, eighty-two field-grade workstations across the seven Commissionerates and sixty-eight Districts, and sixty-eight acquisition and processing nodes at the Districts. Each provision protects one machine, its displays and its attached acquisition hardware, and nothing else.

The runtime obligation. Each provision holds its machine for not less than thirty minutes at the sustained load measured for that machine during the concurrent high-load acceptance test at Chapter 10, Table 10.17, and expressly not at idle: the period in which an acquisition already running can be completed, or brought to a recorded and hash-verified stop with the image marked as partial and the acquisition log written. The load condition and not the rating governs. Four further properties are mandatory at every provision.

- A sine-wave output with automatic voltage regulation, so that ordinary variation in the incoming supply is corrected without drawing on the battery.

- An audible and on-screen alarm at the protected machine on mains failure, on low battery, on overload and on fault, stating the runtime remaining.
- A monitored connection to the machine it protects, initiating an automatic and graceful shutdown at a configured remaining-runtime threshold, so that an acquisition in progress is closed cleanly and its record written before the battery is exhausted.
- Batteries replaceable at the unit, without returning the provision to the supplier, with the design life stated in years.

Table 4.11: The dedicated power provision at each machine class

Machine class	Machines	Sustained draw under the concurrent high-load condition	Provision, not less than	Runtime obligation
Laboratory-grade analysis workstation, Headquarters	11	947 W	1.5 kVA	Not less than 30 minutes at the load measured for that machine under the concurrent high-load condition, with its displays and attached acquisition hardware
Field-grade analysis workstation, Commissionerates and Districts	82	740 W	1.0 kVA	As above
Acquisition and processing node, Districts	68	399 W	0.6 kVA	As above

The maintenance obligation this creates. Stored energy across the one hundred and sixty-one provisions is of the order of 120 kWh, across seventy-six sites of which seventy-five hold no on-site engineer, and at least one full battery replacement cycle falls inside the thirty-six-month operations period. That replacement, the annual capacity test at every provision, the replacement at the supplier's cost of any battery below eighty per cent of its rated capacity, and the re-verification of runtime after each replacement are obligations within the operations and maintenance service at Chapter 13. They are not variations and no claim arises from them.

The unit-level provision, and the boundary between the two. Each of the seventy-six units also holds one unit-level uninterruptible supply, protecting everything at the unit that the per-machine provisions do not: at a field unit the local switching, the Controlled Internet Zone endpoint, on-scene kit charging, and the lighting and access recording of the Physical Evidence Holding Zone, together with the bench duplicator at a Commissionerate, so that custody work continues and is recorded while the mains is out; at Headquarters the compute and storage platform, the backup and archive tier, the zoning and switching provision, the training laboratory and the laboratory endpoints. The two do not overlap and neither carries the other's load; Chapter 10 states the division load by load.

What each party provides at a site. The Department provides the basic infrastructure at every site: the room and its fabric, air conditioning, lighting, the electricity supply including the dedicated circuits, earthing and protection, the fire-safety system and physical security of the premises. The System Integrator provides everything technological placed within that room: the computer systems, the storage and network equipment, the racks, the data and internal power cabling, the power protection provisions, the evidence cabinets and the training-laboratory equipment, and installs, configures and maintains them. The System Integrator's obligation on environment is to monitor, log and alarm the conditions in the equipment room and the training laboratory, and not to supply cooling plant; the conditions, their values and the method of measurement are at Chapter 10, Section 10.5. Departmental provision is verified at site readiness under Annexure H, and is not priced by any bidder.

The electrical load the design assumes. Every figure at Table 4.12 is derived from the sustained draw of each machine class under the concurrent high-load condition and not at idle. The dedicated-supply figure is what the Department must make available at the unit before the wave that equips it. The contractual figure at any unit is the load measured there, and where a measured machine load exceeds the figure stated for its class at Table

4.11 by more than a fifth the dedicated power provision at that machine is re-verified at the measured load at the supplier's cost.

Table 4.12: Connected load and the dedicated supply each unit must hold

Tier	Connected information-technology load	Dedicated supply, not less than	Dedicated circuits, not fewer than
District (68)	1.44 kW	3 kVA	2 (one for the analysis workstation and one for the acquisition and processing node)
Commissionerate (7)	1.88 kW	4 kVA	3 (one for each analysis workstation and one for the bench duplicator and ancillaries)
Headquarters (1)	25.31 kW	45 kVA	Per zone, as specified at Chapter 10

Three conditions are carried into site readiness. First, the dedicated-supply figure is a numeric site-readiness condition, verified at joint verification sixty days before that unit's scheduled deployment under Chapter 11 and recorded at Annexure H; a unit certified against any other figure is not ready, and is deferred from its wave without damages and re-sequenced. Second, the circuit counts are mandatory, a fault on a single circuit at a District not being permitted to stop the analysis workstation and the acquisition and processing node together. Third, earth resistance at a field unit shall not exceed 5 ohms, measured and recorded at site readiness; the Headquarters requirement is the tighter figure at Chapter 10.

4.13 Interoperability, portability and data localisation

Four obligations secure the Department's ability to read its own evidence without the supplier.

Open formats. Every acquisition produces an image in an open forensic container format or as a raw image, with a hash manifest computed by a published algorithm of not less than 256-bit digest length. Every report, summary, acquisition certificate and register export is producible in an open, non-proprietary format, and the register exports the complete case file (custody entries, hash values and artefact linkage) for court production.

Portability. No evidential artefact and no register record may be held in a form requiring a specific supplier's software to read. On expiry or termination the supplier delivers a complete export in open formats with hashes and manifests, together with the written evidence-custody continuity plan required at Chapter 13.

Offline operation and continuity of entitlement. Every tool deployed at a field unit operates fully offline. Offline licence activation is mandatory and periodic online re-validation is not acceptable. Continued operation of any tool may not depend on an act, a consent, a server or a service under the supplier's control. The entitlement clause and its acceptance test are at Chapter 10, Section 10.2.2; Section 5.5 states the evidentiary basis.

Data localisation. All evidence, artefacts, derived intermediates, working copies and case metadata are processed and retained on Government-controlled infrastructure within India, and no such material is transmitted to or processed on infrastructure outside Indian jurisdiction at any point. Chapter 5 states the compliance basis and Chapter 10 the declaration a bidder must make about the data path of every component offered.

4.14 What this architecture does not provide

Four consequences follow, so that no capability is inferred that the programme does not deliver.

Headquarters has no live view of field casework, nothing being synchronised and a field case being seen only where it is referred. Programme reporting is a monthly certified administrative return, lagged by up to forty days, self-reported, carrying aggregates and not case-level records, and independently reconcilable only for the referred subset against the referral register. No service level, credit or acceptance criterion depends on a live field figure. Chapter 13 states the service-level consequence and Annexure E publishes the return with its limits on its face.

Physical transfer is slower than a network. A referred exhibit incurs eleven working days of non-examination elapsed time, published as a performance indicator and measured from the first month of operations.

Seventy-five standalone telecom seats and eighty-two standalone mobile seats at the field units are a direct consequence of every unit being self-sufficient.

Access control at the machines of a single-seat deployment is not multi-role: the machine requirement is that at Section 4.8, authenticated operator identity with per-session logging to tamper-evident local storage, and nothing stronger is specified at the machine. It does not narrow the Case and Evidence Management System, in which access is role-based on the principle of least privilege to the duty model at Section 4.8, with maker-checker enforced by the system, at every one of the seventy-six units, as Section 4.9 and Chapter 10, Section 10.3.14 require.

Chapter 5: Security, Privacy, Legal Compliance and Governance

5.1 Application

This chapter states the legal and regulatory obligations binding on the delivered system, on the services supplied under this Request for Proposal and on the System Integrator, and the compliance evidence each requires. Table 2.2 remains the single list of the governing instruments. An obligation producing no record, no test and no retention period is not treated as a compliance measure.

5.2 The compliance register

Table 5.1: Compliance register: obligation, and where this Request for Proposal discharges it

#	Instrument and issuing authority	Date	Condensed non-negotiable obligation	Discharged at
C-01	Bharatiya Nagarik Suraksha Sanhita, 2023 (Parliament of India)	In force 1 July 2024	Section 176(3): forensic examination of the scene of offence, with videography, in offences punishable with seven years or more	On-scene response kit, Chapter 9; on-scene collection, Section 6.5; criterion P2-f, Annexure C
C-02	Bharatiya Nagarik Suraksha Sanhita, 2023	In force 1 July 2024	Sections 105 and 185: audio-video recording of search and seizure, and forwarding of the record to the Magistrate in the manner and within the time those sections require	Audio-video record received, registered and retained as an exhibit class, Chapter 6; storage and retention, Chapter 4 and Annexure L
C-03	Bharatiya Nagarik Suraksha Sanhita, 2023	In force 1 July 2024	Section 193: the police report to record the sequence of custody of an electronic device	Chain-of-custody and movement ledger, Section 4.9; column sets, Annexure D; custody controls, Section 6.11
C-04	Bharatiya Sakshya Adhiniyam, 2023 (Parliament of India)	In force 1 July 2024	Section 63: admissibility of electronic records, subject to the conditions in section 63(2) and to the certificate required at each submission by section 63(4)	Report and certification structure, Section 5.4; report template, Annexure D; hash discipline, Chapters 4 and 6; continuity of tooling, Section 5.5
C-05	Bharatiya Sakshya Adhiniyam, 2023, Schedule under section 63(4)(c)	In force 1 July 2024	Certificate in two parts: Part A executed by the party producing the record; Part B executed by the expert, confirming source and matching hash values	Table 5.2; acquisition certificate and examination report, Annexure D; maker-checker control, Section 4.9
C-06	Information Technology Act, 2000, section 79A (Parliament of India); scheme administered by the Ministry of Electronics and Information Technology	2000, as amended	None arising. CIDAL is not proposed for notification and no obligation, milestone, acceptance criterion or payment is founded on it; the obligation accepted is conformity with ISO/IEC 17025 and ISO/IEC 27037 at row C-11	Section 5.6
C-07	Directions under sub-section (6) of section 70B of the Information Technology Act, 2000 (Indian Computer Emergency Response Team)	28 April 2022	Time synchronisation to the national reference; reporting of cyber incidents within six hours; enabling and secure maintenance of logs for a rolling period of 180 days within India; a designated point of contact	Section 5.8; Section 4.10; Table 4.8; Section 6.13
C-08	Digital Personal Data Protection Act, 2023 (Parliament of India)	Enacted 2023; brought into force by notification, different dates permissi	Section 17(1)(c): exemption in respect of personal data processed in the interest of the prevention, detection, investigation or prosecution of any offence or contravention of any law for the time being in force	Section 5.7

#	Instrument and issuing authority	Date	Condensed non-negotiable obligation	Discharged at
		ble for different provisions		
C-09	Digital Personal Data Protection Rules, 2025 (Ministry of Electronics and Information Technology)	Notified 14 November 2025	Phased compliance over eighteen months; the design position is reviewed as commencement progresses	Section 5.7
C-10	Arjun Panditrao Khotkar v. Kailash Kushanrao Gorantyal (Supreme Court of India, three-Judge Bench)	[2020] 7 SCR 180, 14 July 2020	A certificate is required where an electronic record is adduced as secondary evidence	Section 5.4
C-11	ISO/IEC 17025 and ISO/IEC 27037	Current editions	Laboratory competence, method validation and reporting; identification, collection, acquisition and preservation of digital evidence	Section 5.6; acquisition procedures, Section 6.5; tool-validation dossier, Chapters 10 and 13
C-12	General Financial Rules, 2017 (Ministry of Finance)	2017, as amended	Competitive procurement and performance security principles, and record of the procurement decision	Chapters 14 to 17; procurement dossier, Table 5.5
C-13	Government Order No. 57/18-2-2024-97(L.U.)/2016 (Government of Uttar Pradesh)	26 November 2024	Procurement thresholds, including turnover as a percentage of estimated bid cost at paragraph 45, from which Section 15.5 departs upward with recorded reasons	Chapter 15
C-14	Bharatiya Nyaya Sanhita, 2023 (Parliament of India)	In force 1 July 2024	Sections 111 and 112, organised crime and petty organised crime; sections 318 and 319, cheating and cheating by personation: the provisions under which the dominant part of the caseload is registered, and from which the triage criteria at P2-a and P2-c are determined	Classification criteria and codes, Section 6.4 and Annexure C
C-15	ISO/IEC 27001	Current edition	Information security management as a bidder management-system requirement, with equivalents admitted	Chapter 15 prequalification
C-16	General terms and conditions of the Government e-Marketplace, the Government electronic procurement platform through which this tender is issued	As applicable on the date of publication	Bid submission, price discovery and contract formation mechanics	Chapters 15 to 17
C-17	This Request for Proposal's own governing rules	Not applicable	Every requirement a function on an input class producing an output verified by a named test on Department-supplied material; where a product is named it is indicative of the class only, and an equivalent or better product is accepted on the measurable floor stated with it	Chapter 10 preamble

5.3 Criminal-procedure obligations

Three requirements of the Bharatiya Nagarik Suraksha Sanhita, 2023, stated at rows C-01 to C-03 of Table 5.1, bear on the delivered system. Section 176(3) is answered by an on-scene response kit at each of the seventy-five field units, the on-scene collection controls at Section 6.5 and the P2-f triage criterion at Annexure C. Recordings made under sections 105 and 185 arrive as exhibits and are received, sealed, hash-verified, registered against their own exhibit class and retained as any other, their volume a first-quarter baseline task reported against the re-sizing triggers at Chapter 3, Table 3.6. Section 193 makes the custody register a mandatory field set at every unit: every transfer records the transferring and receiving officers, the date and time, the seal number and the hash value, and the register produces the sequence of custody of an electronic device as a printable statement for the police report.

5.4 Electronic evidence and the statutory certificate

Section 63 of the Bharatiya Sakshya Adhiniyam, 2023 makes information in an electronic record printed, stored, recorded or copied by a computer or communication device a document, admissible without further proof or production of the original, subject to the conditions in section 63(2), and section 63(4) requires a certificate at each instance at which the record is submitted for admission, signed under section 63(4)(c) both by the person in charge of the device, or of the management of the relevant activities, and by an expert, in the form specified in the Schedule. Row C-10 of Table 5.1 carries the authority for a certificate on secondary evidence.

Table 5.2: The statutory certificate under the Schedule, and how the delivered system produces each part

Part	Executed by	What it records	How the delivered system produces it
Part A	The party producing the electronic record	The source from which the record or output was produced; the device type; make, model, serial number and the applicable device or account identifier; a declaration that the device was under lawful control for regularly creating, storing or processing information; the hash value with the algorithm used, with the hash report enclosed; signature with name, date, time in Indian Standard Time on a 24-hour clock, and place	The exhibit register entry and the acquisition certificate at Annexure D carry every particular required, generated by the Case and Evidence Management System from the custody and acquisition records. Part A is executed by the officer producing the record
Part B	The expert	Verification that the record or output was obtained from the stated device or source; repetition of the device identification; confirmation that the hash values match, and the algorithm used; signature with name, designation, date, time and place	The examination report at Annexure D carries the hash on receipt, the hash at acquisition and the verification result at each stage. At a field unit Part B is executed by the Examiner or the Unit In-charge as an authorised Government officer; at Headquarters by the authorised officer of the Department in whom the statutory functions of the Headquarters CIDAL Laboratory vest under Annexure M, Section M.1, who is not one of the twenty contracted posts and holds the qualification and experience required of an expert under section 63(4)(c). No contracted person executes Part B, signs a forensic opinion or appears as a witness

The delivered system must demonstrate, for every exhibit, hash integrity from acquisition to production in court. Hardware-enforced write blocking, hashing at acquisition, hash verification at every transfer and immutable evidential logging are mandatory controls under Chapter 4, each tested at site acceptance.

5.5 Continuity of forensic tooling and reliability of software, as evidentiary obligations

An exhibit already acquired must remain capable of being examined again, on the same tool and at the same version, at any distance in time from the acquisition, the certificate under section 63(4) being required at each instance of submission and not once and for all: continuity of tooling is an evidentiary requirement and not a commercial preference.

Chapter 10, Section 10.2.2 states the licensing and continuity clause once, in binding terms for every software item without exception and not open to qualification, exclusion or negotiation by a bidder, and Chapter 8, rule SR-13 carries it into the scope of work. Its evidentiary effect is that every entitlement carries not less than three years of updates and support from acceptance at its unit and thereafter operates in perpetuity, without updates, at no further cost and without any further act of the supplier, on a permanent offline entitlement demonstrated at acceptance with every external interface disconnected, and that the Department retains in perpetuity the means to read, search and export its own data in open and documented formats. Reproducibility is a record obligation alongside it: the acquisition record at Section 4.9 holds the tool, build identifier, settings and hash values at source and on the image, so that a second examiner can repeat the work.

The limit of the guarantee. Six items, SW-03, SW-04, SW-05, SW-08, SW-09 and SW-11, depend for their usefulness on a continuously refreshed dataset and are identified at Chapter 10, Table 10.10. For those, perpetual operation preserves the installed tool, the Department's own data and every acquisition, analysis and finding already produced; it does not preserve currency against devices, protection states, service interfaces, attribution data and synthesis techniques appearing after the update period ends. Renewal is carried as a commercial position at Chapter 14 and with a numeric re-sizing trigger at Chapter 3, Table 3.6.

Software reliability. All software supplied shall be free from defects, shall conform to its specification at Chapter 10 and to the functionality its bidder demonstrated at the proof of concept under Chapter 17, and the System Integrator shall certify at each delivery that no defect of Critical or High severity is known to exist. The four severity classes and their resolution clocks are fixed at Chapter 10, Section 10.2.3 and carried into scope at Chapter 8, rule SR-14; each clock runs from the Department's report of the defect, not from the System Integrator's acknowledgement, and resolution is at no cost to the Department for the whole term. The Critical class is defined by evidential outcome: loss, corruption or alteration of evidence; incorrect computation or verification of a hash; failure, gap or corruption of an audit log; or inability of the item to operate at all. Persistent failure is a service-level breach under Chapter 13.

A Critical defect affecting evidence integrity is an incident. Where a defect causes, or may cause, loss, corruption or alteration of evidence, incorrect computation or verification of a hash, or failure of an audit log,

the System Integrator shall report it to the Department within four hours of becoming aware of it, however found and whether or not it has yet manifested at any unit, stating the affected versions, the conditions in which it manifests and the means by which the Department may determine whether a case is affected; and shall identify, within seven working days, every case processed with the affected version at every unit at which it was deployed. The response procedure is at Section 6.15. That four-hour obligation is distinct from the six-hour cyber-incident obligation at Section 5.8; an event within both is reported under both, each within its own period, and neither report discharges the other.

Software shall be free of malicious code, undocumented interfaces, undisclosed data transmission of any kind, and any capability to disable, degrade, restrict, meter or remotely alter the item or the data it holds. Telemetry, usage reporting, analytics, crash reporting and licence beaconing are prohibited unless declared in the bidder's data-path declaration and disableable by the Department without loss of any specified function.

The principal's undertakings lodged at bid, the permanent offline entitlement artefacts, the delivery certificates, the monthly open-defect register and every case identification furnished under the Critical-defect rule are retained under Table 5.5 and fall within the independent audit at Chapter 13. Continuity is re-verified annually under Section 5.14.

5.6 Examiner of Electronic Evidence, and the accreditation position

Notification as an Examiner of Electronic Evidence under section 79A of the Information Technology Act, 2000 is conferred on a laboratory and not on an individual expert, and is not a precondition to admissibility. No law requires a State police forensic facility to be accredited; accreditation to ISO/IEC 17025 by the National Accreditation Board for Testing and Calibration Laboratories is voluntary, and compliance with ISO/IEC 17025 and ISO/IEC 27037 is a prerequisite under the Scheme only for a laboratory seeking notification.

What this Request for Proposal requires is conformity, as a delivered condition: CIDAL is designed, equipped, documented and operated for conformity with ISO/IEC 17025 and ISO/IEC 27037, comprising method and tool validation against a known-answer dataset, competence, equipment and calibration records, controlled procedures and a defined report structure, tested at acceptance and audited under Chapter 13. CIDAL is not proposed for notification, and no obligation, milestone, acceptance criterion or payment under this Request for Proposal depends on it.

5.7 Data protection

Section 17(1)(c) of the Digital Personal Data Protection Act, 2023 exempts personal data processed in the interest of the prevention, detection, investigation or prosecution of any offence or contravention of any law, and a CIDAL unit's processing is of that character. This Request for Proposal relies on section 17(1)(c) and on nothing else; the position is reviewed as commencement of the Act and of the Rules of 2025 progresses over their eighteen-month phasing.

A data-protection baseline applies irrespective of the exemption and constrains the delivered system: purpose limitation, an exhibit examined against a stated case requirement and the report stating what was searched and what was not; minimisation in disclosure, reports stating findings against the question asked and not reproducing unrelated personal content; access control, by authenticated operator identity with per-session logging and case-record access confined to officers holding a duty in the case; retention discipline, every artefact class carrying a retention period, custodian and disposal method at Annexure L; auditable logging, the evidential action log at Table 4.8; and localisation, all evidence, artefacts, intermediates and case metadata held on Government-controlled infrastructure within India.

5.8 Information-security directions and the obligations they impose

The Directions issued by the Indian Computer Emergency Response Team on 28 April 2022 under sub-section (6) of section 70B of the Information Technology Act, 2000 apply to the programme and are flowed down to the System Integrator. The first four obligations below are the Directions' own; the remaining three this Request for Proposal imposes so that the first four can be discharged and evidenced.

- Time synchronisation. All system clocks are synchronised to the national reference time source, by the mechanism and recorded procedure at Section 4.10.
- Incident reporting. A cyber incident of a class the Directions specify is reported within six hours of being noticed or brought to notice, by the Department's designated point of contact. A unit or the System Integrator detecting such an incident informs the point of contact immediately by the fastest means available, and records the fact, the time of detection, the detecting officer or person and the state observed. An evidential incident under Section 6.13 that is also a specified cyber incident is reported under both, each within its own period.
- Log retention. Logs are enabled, securely maintained and retained for a rolling period of not less than 180 days within India, as stated in Table 4.8.
- Designated point of contact. The Department designates one and notifies any change; the System Integrator designates its counterpart, named in the contract, with a stated substitute.
- Contractual flow-down. Every obligation in this section binds the System Integrator and every subcontractor and manufacturer it engages, evidenced before first delivery.
- Software bill of materials. The System Integrator furnishes one for every delivered software item and maintains it through the term.
- Vulnerability management. Severity-rated patching windows apply across the estate, with a quarterly vulnerability assessment across the Headquarters estate and against the standard field-unit build, reported to the Programme Management Unit. Patches and signature updates reach the offline Evidence Processing Zone only by the crossing procedure at Section 4.7, every patch at a field unit being recorded in its administrative log and monthly return.

5.9 The national platforms: scope boundary and the record a unit keeps

No interoperation between CIDAL and any national platform is in scope: nothing at Chapter 9, NP-4 is designed, procured, priced or permitted to be assumed, and CIDAL neither issues, brokers nor holds any platform credential, no CIDAL system authenticating to any platform. Platform work is performed from the Controlled Internet Zone, which by Table 4.4 holds no evidential artefact, forensic image, working copy or derived intermediate; the only outward crossing from the Evidence Processing Zone is a completed report, summary, manifest, certificate or return, under Section 4.7. The endpoint is authenticated to the individual officer and its session and administrative events logged under Table 4.8; where an action on a platform bears on a case at the unit the officer records in the Case and Evidence Management System the fact, the platform, the date, the time and the officer's identity.

5.10 The authorisation gate

Three capabilities are exercisable only under the written approval of the authorised officer, being an officer of the Cyber Crime Headquarters of a rank designated by the Department for the purpose, and are held at Headquarters alone in the separately administered Authorisation-Gated Capability Zone. No capability, procedure or gate in this Request for Proposal requires the approval of a court or of a judicial authority.

Table 5.3: The authorisation-gated capabilities and the control set that governs each

Capability	What may be done under it	Authorisation required	Record made before the attempt	Audit record produced	Retention and inspection
Advanced access to locked devices	Assisted access to a locked device, in before- and after-first-unlock states, on a specific exhibit in a specific case	The written approval of the authorised officer, naming the case, the exhibit and the purpose	Entry in the authorisation register by the Authorisation Register Officer, carrying the authorisation reference, the approving authorised officer, the date, the case and exhibit identifiers and the criterion relied on	Per-attempt record: operator identity, date and time, method class, duration, outcome	10 years. Inspected quarterly by the Quality and Review Authority and annually by the Independent Auditor
Lawful cloud and account acquisition	Token-based acquisition of a service or cloud account under lawful authority, bound to the case	As above, together with the instrument under which the account is acquired	As above, with the account identifier and the scope of acquisition recorded	Per-acquisition record with scope, volume acquired, hashes and operator identity	10 years. Inspected as above

Capability	What may be done under it	Authorisation required	Record made before the attempt	Audit record produced	Retention and inspection
Credential and passphrase recovery	Accelerated recovery of a credential or passphrase against an image or container already acquired in the case	As above	As above, with the container or image identifier	Per-job record with parameters, duration, operator identity and outcome	10 years. Inspected as above

Five rules govern the gate and none is qualified. No attempt is initiated before the approval is recorded: the register entry precedes the attempt, a copy of the approval is lodged against it before the attempt, and a capability exercised without a prior entry is a reportable incident. The register is audited quarterly by the Quality and Review Authority against the underlying approval and annually by the Independent Auditor. It is kept by the Authorisation Register Officer, a post that does not examine. All processing is on Government-controlled infrastructure inside India, and no exhibit, artefact, device identifier or derived intermediate is transmitted outside Indian jurisdiction at any stage. No contracted person authorises or signs any output of a gated capability: a contracted specialist may operate a tool only in the presence of the officer of the Department in whom the statutory functions of the laboratory vest, or an officer that officer nominates in writing, and the per-attempt record names the specialist, the officer present, and the approval relied on with the approving authorised officer and the date. Referral volume is a published indicator at Annexure E, with a numeric re-sizing trigger at Chapter 3, Table 3.6.

5.11 Personnel, and the boundary on contracted staff

Every contracted post is at Headquarters; there is none at any of the seventy-five field units, and no contracted person holds credentials to any field evidence-processing system. Contracted personnel provide technical support, tool operation, documentation, supervised assistance, and bilingual assistance and refresher support at Headquarters, which does not include delivery of the training programme at SV-03, the System Integrator's obligation under Chapter 12. Final forensic opinions, evidentiary conclusions, statutory certificates and report sign-off remain with authorised Government officers, and no contracted person signs a certificate or appears as a witness. Background verification precedes deployment for every post; bilingual capability, with Hindi mandatory, applies to every training-delivering and desk-facing post; and qualification, experience and the replacement rule for each of the twenty posts are at Annexure M.

The support desk is bounded by the same rule: it may not connect to any machine holding case evidence, may not view, receive, transmit or store any evidential artefact, may not make or influence a forensic finding, and holds no credentials to any field evidence-processing system. Its remit is availability, configuration, fault diagnosis on non-evidential symptoms, spares logistics and guidance.

At a unit, access to the Evidence Processing Zone is limited to the Examiner and the Unit In-charge, and to any other person only under escort in the presence of one of them, without operating credentials and against an entry in the access register; the Physical Evidence Holding Zone is the Custodian's, keys under the Unit In-charge's control with a duplicate under sealed cover; seal stock is held under separate lock and reconciled monthly in the certified return; visitors are recorded with purpose, escort and timings; and an engineer of the System Integrator works under escort with no operating credentials.

5.12 Governance bodies, decision rights and decision times

Seven bodies govern the programme, and one further role carries decision authority at a field unit. Each carries stated decision rights and a maximum decision time, and a decision not taken within that time is escalated to the next body and is never deemed to have been taken.

Table 5.4: Governance bodies: composition, quorum, decision rights and maximum decision time

Body or role	Composition	Quorum	Decision rights	Maximum decision time
The Department	The Uttar Pradesh Police, acting through the officer designated Programme Director, CIDAL	Not applicable	Sanction and budget; establishment and postings; issue of the triage standard by departmental order; appointment of the Independent Auditor; acceptance of the annual capacity review; decisions escalated from any body below	30 working days
Apex	Chaired by the officer designated by the	Chair,	Approval of the tender and its annexures; approval of the evaluation	20 working

Body or role	Composition	Quorum	Decision rights	Maximum decision time
Procurement Committee	Department, with members holding the finance, technical and legal portfolios and the Programme Director	the finance member and one other	outcome and of award; contract amendments with financial effect; change requests of the highest class; approval of any re-sizing arising from a published trigger	days from receipt of a complete proposal
Technical Committee	Chaired by a senior technical officer of the Department, with forensic, information-security and legal members and one member from the operating laboratory	Chair and three members	Advisory only, carrying no direction authority: recommendations to the Apex Procurement Committee on technical specifications, technical evaluation, technical disputes, the quarterly consolidated return, planning assumptions against first-quarter measurement, and re-sizing	15 working days to issue a recommendation
Programme Management Unit	Departmental, supported under SV-05, outside the System Integrator's contract	Its head, or the officer nominated in writing	Day-to-day direction of the System Integrator; sequencing within the published month gates; site-readiness certification; change requests of the lowest class; issue of non-conformance notices. It has no authority to waive any acceptance criterion	10 working days
Wave Delivery and Acceptance Committee	Convened per wave: a departmental chair, the Programme Management Unit, the Unit In-charge of each accepting unit, and the System Integrator's project manager for that wave in attendance without a vote	Chair and the Unit In-charge of the unit under acceptance	Site acceptance; classification of non-conformances as minor or major; issue of the wave acceptance certificate that releases the wave's payment tranche	10 working days to issue site acceptance after completion of testing; 15 working days for a wave acceptance certificate
Independent Auditor	Appointed and paid by the Department under SV-05, outside the System Integrator's contract and its contract value	Not applicable	Assurance only, carrying no direction authority over any party: independent verification of acceptance evidence, of service-credit computation, of compliance under Table 5.1 and of the authorisation register	20 working days to issue a report after a review
Headquarters CIDAL Laboratory	The authorised officer of the Department in whom the statutory functions of the laboratory vest, directing the specialist cadre of twenty posts through the Laboratory Head and technical review authority at Annexure M, post P-01	Not applicable	Operating decisions: acceptance of a referral, allocation of referred work, issue of referred-examination reports, tool validation, quality review, training certification and custody of the authorisation register. Every statutory certificate, final forensic opinion and written disposal order at Headquarters is executed by the authorised officer of the Department and by no contracted person	1 working day from hash verification to accept or decline a referral

Each of the seventy-five field units is governed by its Unit In-charge, the decision authority for classification, authorisation of acquisition and examination, referral, review and countersignature, and certification of the monthly return.

5.13 Governance artefacts, evidence of compliance and retention

Table 5.5 states the minimum governance artefacts, their owners and retention periods, carried from Annexure L, the single retention schedule of this Request for Proposal and the only instrument that fixes a period; where the two appear to differ, Annexure L governs. Evidential and case artefacts are scheduled there and are not repeated here.

Table 5.5: Governance artefacts, owner and minimum retention

Artefact	Owner	Minimum retention
Procurement dossier: tender, queries and replies, evaluation records, committee minutes, award	Apex Procurement Committee	5 years from contract closure
Proof-of-concept records: scoring sheets, session logs, retained outputs, substitution approvals	Technical Committee	5 years from award
Inspection and acceptance packs: pre-dispatch, delivery, installation, site and wave records	Wave Delivery and Acceptance Committee	Life of the asset plus 5 years
Tool-validation dossiers and known-answer test records	Quality and Review Authority	Contract term plus 5 years

Artefact	Owner	Minimum retention
Licensing undertakings from each principal, permanent offline entitlement artefacts and the annual disconnected-operation records	Programme Management Unit	Life of the asset plus 5 years
Software delivery certificates, the monthly open-defect register and every case identification furnished under the Critical-defect rule at Section 5.5	Programme Management Unit	Contract term plus 5 years
Flow-down evidence under Section 5.8, lodged before first delivery, and the designation of the System Integrator's point of contact and its stated substitute	Programme Management Unit	Contract term plus 5 years
Administrative and security logs	Infrastructure and Security Administrator; the Unit In-charge at a field unit	Not less than 180 rolling days on line within India, archived for the balance of the contract term
Evidential action log in the Case and Evidence Management System	Unit In-charge	Life of the case plus 5 years, immutable
Authorisation register and per-attempt records	Authorisation Register Officer	10 years
Referral register entries and referred-examination reports	Evidence Custodian and Referral Register Officer	10 years
Removable-media crossing register and sanitisation records	Unit In-charge	3 years
Disposal approvals and destruction certificates	Custodian, countersigned by the Unit In-charge	10 years
Monthly certified returns, quarterly consolidated returns and the annual return	Documentation and Returns Officer	Contract term plus 5 years
Training attendance, assessment and cascade-certification records	Training Officer	Contract term plus 5 years
Support-desk ticket records	Support Desk Officer	Contract term plus 5 years

5.14 The compliance calendar so far as it binds the System Integrator

Monthly: the Infrastructure and Security Administrator reviews the Headquarters administrative and security logs and records the review, its date and any finding; and the open-defect register for every software item is furnished to the Programme Management Unit and reviewed against Section 5.5. Quarterly: the vulnerability assessment under Section 5.8; and the Quality and Review Authority inspects every entry in the authorisation register against the written approval on which it rests, and samples examination reports for method, hash discipline and stated limitations, recording the sample, the findings and their disposal. Annually: continuity of every software entitlement re-verified at the annual maintenance visit by operating the item with every external interface disconnected; the battery capacity of every dedicated power provision tested under Section 4.12, each result recorded on that unit's maintenance record; and the Independent Auditor audits compliance against Table 5.1, the acceptance evidence, the service-credit computation, the authorisation register and retention against Annexure L, the System Integrator producing the artefacts at Table 5.5 on request.

Chapter 6: Standard Operating Procedures

6.1 Status and application of this chapter

The operating procedures in this chapter are departmental, published because the delivered system, the training programme at Chapter 12 and the acceptance tests at Annexure B are built to them: every register, form, column set, control, clock and record named here is a delivered function verified at acceptance.

The Case and Evidence Management System is each unit's book of record: it registers the case and issues the case identifier, enrols each exhibit and holds its chain of custody, records the class and criterion code, records each acquisition with its tool, version, settings and hash values, holds the examination notes and findings, produces the report under a two-signature control, generates the referral request and manifest, records every removable-media crossing, runs the retention clock and produces the monthly certified return from its own records. Its delivered functions are at Chapter 8, Section 8.11 and its fields at Annexure D. One standalone instance is held at each of the seventy-six units, none aware of any other, and nothing is copied, synchronised or reconciled between them.

Annexure D publishes the register templates and column sets, Annexure C the triage standard, Annexure L the retention periods and Annexure E the indicators. Where a period is stated in working days, time runs from the date recorded in the system for the triggering event. No procedure moves a case, exhibit, image or record from one field unit to another.

6.2 The three duties and the rule that separates them

A field unit carries three duties. A duty is a set of responsibilities attached to a posting and not a post, and the delivered system builds role separation to this table.

Table 6.1: The three duties at a field unit

Duty	What the duty does	What the duty decides or signs	What the duty controls
Unit In-charge	Authorises acquisition and examination; assigns the priority class; decides referrals; reviews and countersigns reports; certifies the monthly return	Authorisation to acquire and examine; the class and every reclassification; the referral decision and request; the countersignature on every report and summary; the monthly return	Access to every zone; the removable-media crossing register; the seal stock; the Triage and Priority Register
Examiner	Acquires, images, verifies and examines; operates the Evidence Processing Zone; prepares the report or triage summary; writes archival copies; maintains tool and version records	The examination method and parameters; the recommendation on referral; the findings and the statement of limitations	The Evidence Processing Zone in operation; the acquisition and examination records; the tool and version record
Custodian	Receives exhibits and issues receipts; seals; stores; records every movement; prepares, seals and despatches referral packages and receives returns; maintains seal stock	The receipt issued on intake; every custody and movement entry; the packing list and condition statement on despatch and return	The Physical Evidence Holding Zone; the exhibit register; the chain-of-custody and movement register

One officer may hold more than one duty except where segregation is evidentiary. Two segregations are evidentiary: the examiner of a case may not review or countersign that case's report, and does not determine its priority class. The system records the assigning and examining identities separately and enforces both as delivered functions. At Headquarters the same functions are discharged by the twenty posts at Annexure M, under the same rule, and the boundary on contracted staff at Section 5.11 applies there without qualification.

6.3 Case intake and registration at the field unit

All case intake, registration and direct acquisition occur at the seventy-five field units. A case is registered at the unit at which it arises, issued a case identifier by that unit and owned by it from receipt to production in court, including while an exhibit is referred; Headquarters registers no case.

Intake produces, and the system carries: the forwarding memorandum, identifying the case, the exhibit, the authority for the seizure and its date, time and place; the reference to the statutory record of the search or seizure; the investigating officer's written statement of the question the examination is to answer; a description, condition statement, device state and photograph for each item as received; an evidence isolation bag entry for each radio-capable device; the numbered tamper-evident seal drawn from the seal stock register;

a numbered receipt and its counterfoil; the case registration and an exhibit register entry for each item; and the first custody entry with location, date, time and officer.

The system issues every case and exhibit identifier itself: no officer types, chooses, edits or reuses one, and none can be altered afterwards. No exhibit is refused; one forwarded without a stated question is received, sealed, registered, preserved and classified accordingly. A broken seal, or a condition not matching the memorandum, is received under a recorded discrepancy and dealt with under Section 6.13.

6.4 Triage classification and prioritisation

The Unit In-charge classifies, on the record, within two working days of receipt of the exhibit. One class is assigned to the case and governs the treatment of every exhibit in it.

Table 6.2: The four priority classes

Class	Treatment	Target from the date of classification, save where the row states otherwise	Referral eligible
P1: Immediate	T-A Full examination	Report issued within 7 working days	Yes
P2: Priority	T-A Full examination	Report issued within 20 working days	Yes
P3: Standard	T-B Bounded triage examination	Summary issued within 45 working days	No
P4: Preserve	T-C Preserve and hold	Acquired, verified and archived within 10 working days of receipt	No

Every class is assigned against a criterion code: P1-a to P1-e, P2-a to P2-f, P3-a and P3-b, and P4-a to P4-c. A case is P1 where any P1 criterion is true and P2 where any P2 criterion is true and no P1 criterion applies. The criteria, and every figure, monetary threshold and list of statutory provisions on which one turns, are published with the triage standard at Annexure C.

The Triage and Priority Register is a set of fields in the Case and Evidence Management System. It carries the case identifier; the exhibit identifiers; the date of receipt; the class; the criterion code; the assigning officer and date; every reclassification with its reason, requesting officer and date; the treatment actually given; the date the report or summary issued; and the archival media reference where preserve-and-hold applies. The system refuses a classification entered without a criterion code.

A class may be raised on the written request of the investigating officer, the direction of the supervising officer or the direction of a court, and lowered only where the case is closed, transferred out or the exhibit released; every reclassification appears in the monthly return. A unit may not assign a class to fit its capacity, applies the next higher treatment to pending cases oldest first where it has residual capacity in a month, and may not make a P3 or P4 case referral-eligible by raising its treatment.

6.5 Acquisition

Acquisition is performed by the Examiner in the Evidence Processing Zone, on the written authorisation of the Unit In-charge recorded before it begins, on the exhibit produced from custody against a movement entry.

Table 6.3: Acquisition controls and the evidence each produces

Control	Requirement	Evidence produced
Write protection	Hardware-enforced write blocking on every acquisition path from an original exhibit. Software-only write blocking is not acceptable	Write-block verification record for the session
Hashing	Cryptographic hashing computed during acquisition by a published algorithm of not less than 256-bit digest length; a second published algorithm may be computed in addition for cross-tool comparison	Acquisition hash with the algorithm named
Verification	The acquired image verified against the source before the source is returned to custody	Verification hash and the match statement
Output format	An open forensic container format or a raw image, readable without the acquiring tool	Image file and its manifest
Working copies	All examination performed on a working copy; never on the original exhibit and never on the master image	Working-copy hash recorded against the master
Acquisition log	Operator identity, start and end timestamps, source device identifiers, tool and version, firmware version where applicable, and the resulting hashes	Acquisition log and acquisition certificate
Operator	Authenticated operator identity with per-session logging to tamper-evident local storage	Per-session log entry

Control	Requirement	Evidence produced
identity		
Custody	A movement entry on production of the exhibit and a second on its return to storage	Two custody entries per session
Power continuity	The machine performing the acquisition, its displays and the acquisition hardware attached to it are carried by a dedicated power provision at that machine, so that a failure of mains supply does not stop the acquisition where it stands	The power-continuity record where mains fails, under Section 6.14

The session's acquisition record carries the fields at Table 6.3 with the settings applied and the verification outcome; an exhibit whose verification failed is marked as such in every later view. Device state as received, whether powered, locked or network-connected, is recorded before any action, and volatile data that would be lost on power-down is preserved and recorded first. The same controls apply on scene, the log opened at the scene and closed at the unit. Where a device is locked or encrypted and no passcode, credential or recovery key is available, the unit makes no access attempt beyond the function its own authorised tooling provides, preserves the exhibit as received, records the fact and state, and tests the case against the referral criteria; advanced access, cloud and account acquisition and credential recovery are exercised at Headquarters alone, under the written approval of the authorised officer, being an officer of the Cyber Crime Headquarters of a rank designated by the Department for the purpose, recorded in the authorisation register before the attempt under Section 5.10.

6.6 The three treatment procedures

The treatment follows from the class assigned under Section 6.4 and from nothing else, and each is performed by the Examiner on a working copy.

Table 6.4: The three treatments: minimum steps, minimum artefacts and output document

Treatment	Minimum steps	Minimum artefacts	Output document
T-A: Full examination	Acquisition and verification; keyword and pattern search; deleted-file carving; timeline reconstruction; recovery of system, log, browser, messaging, document, mail, application, location and media artefacts across the applicable classes; correlation across the case's exhibits; analysis to the question asked	Search terms and parameters as run; the artefact classes examined; the exhibits correlated; every hash at each stage	Full examination report under Section 6.9, countersigned under Section 6.10
T-B: Bounded triage examination	Acquisition and verification; a defined automated processing pass against the published artefact list; a bounded manual review of the results of that pass	The artefact list applied; the bounded review performed; what was not searched; the escalation test result	Hashed, case-bound triage package and an investigating-officer summary, countersigned under Section 6.10
T-C: Preserve and hold	Acquisition; hash verification; custody entry; write to archival media with verification against the acquisition hash; release of primary storage; retention	Acquisition and verification hashes; the archival media identifier; the custody entry	Acquisition certificate with hashes, the custody entry and the archival media reference

At the close of a bounded triage and of a full examination the Examiner applies the escalation test, the case tested against the referral criteria at Table 6.5, and records the result whether positive or negative: on the face of the summary under T-B, in a section of its own in the report under T-A, and in the Triage and Priority Register in either case.

A preserved exhibit's verified image is written to archival media, hash-verified against the acquisition hash and removed from working storage within five working days of acquisition, the media identifier recorded against the exhibit; reclassification restores it, the restoration itself hash-verified and recorded. T-C is not a finding: no document under it states or implies that nothing was found. A completed case's images and working copies leave working storage on a target residency of twenty working days at a District, fifteen at a Commissionerate and thirty at Headquarters, the retained copy being the archival copy under Annexure L.

6.7 Referral to Headquarters

A field unit escalates to Headquarters and to no other unit in the programme; the only remaining destination is out of the programme under Section 6.8. There is no path between a District and a Commissionerate. A referral may be raised only where the case is classified P1 or P2 and any one of the criteria at Table 6.5 is true.

Table 6.5: Referral criteria to Headquarters

Code	Criterion, as the officer sees it
R-1	The device is locked, or its storage is encrypted, and no passcode, credential or recovery key is available
R-2	Evidence held in a service or cloud account must be acquired under lawful authority
R-3	A credential or passphrase must be recovered to open a container already acquired
R-4	Records of more than one telecom operator must be correlated, or records across more than one case must be correlated
R-5	Investigation is required on the open internet or on an anonymised overlay network, or virtual assets must be traced
R-6	The authenticity of a photograph, recording or video must be established for court production, or synthetic media is alleged
R-7	The exhibit is a storage array or a multi-volume set that the unit's own suite is not required to reconstruct, or the unit's tool reports the file system as unsupported
R-8	The acquired volume of a single exhibit exceeds the unit's available working storage, and the unit's own suite is not required to process an exhibit of that size
R-9	The recording is held in a container that the unit's own suite is not required to decode

R-7, R-8 and R-9 are tested against the grade the unit holds. Chapter 10 makes reconstruction of a multi-volume set and a device array, the extended file-system families, and processing of a single exhibit larger than the unit's working storage mandatory at laboratory grade, the grade of the computer forensic analysis suite at a Commissionerate, and not required at field grade, its grade at a District. Recorder-native video decode is held at Headquarters and required of no field unit. Where a P3 or P4 case meets a criterion the unit completes the treatment its class provides and records the limitation: what could not be examined, why, and what capability would be needed. Reclassification is the only route to referral eligibility.

The Examiner recommends; the Unit In-charge decides and signs; the decision is recorded before despatch with the criterion code, class, exhibit identifiers, hashes and seal numbers. The referral request, manifest and custody slip are generated by the system from the case's own records and are not re-typed. Headquarters holds an instance of the same system configured as a referral register: it opens an entry keyed to the originating case and exhibit identifiers, carried unaltered, and is incapable of registering a case or issuing a case identifier of its own. Ownership of the case does not move.

The manifest carries the originating unit's name, case identifier and exhibit identifiers; the criterion code, class and question the referred examination is to answer; whether the package holds the original exhibit or its verified image, with a description and condition statement for each item; the acquisition hash and algorithm for each item and the verification hash computed immediately before sealing; the authorisation relied on where an authorisation-gated capability is requested; the numbered seals from the seal stock register, two on despatch and two on return, recorded on the manifest, the custody slip and the register; the name, designation and signature of the packing Custodian and of the Unit In-charge with date and time of despatch; and the return address. The custody slip travels with the package carrying the case and exhibit identifiers, hash values, seal numbers and the despatching and receiving officers, signed at every hand-over.

Transport is by departmental courier or escorting officer against the numbered seals; commercial courier is prohibited for original exhibits. Headquarters verifies every seal number and recomputes and compares every hash before processing begins, acknowledges receipt within one working day, and accepts or declines the referral within one working day of hash verification.

A referral is declined only on one of three grounds, recorded in the register with the ground and the reasons: that the criterion code relied on is not made out on the manifest and the case papers; that the case is not classified P1 or P2; or that the requirement falls outside CIDAL and belongs to the State Forensic Science Laboratory or the notified Examiner of Electronic Evidence under Section 6.8. A declined referral is despatched back to the originating unit within two working days of the decision, under fresh numbered seals and with the hash values re-verified on despatch and on receipt, and the originating unit is notified in writing of the ground on the day of the decision. The originating unit may re-refer once the ground is cured, and the re-referral is a new entry. A declined referral is counted in the referral volume at QT-44 and against trigger T-7, but the transfer turnaround at QT-45 is not computed on it; a separate turnaround of five working days, from the referral decision to the originating unit's acknowledgement of the return, applies to a declined referral and is reported at Annexure E.

A seal discrepancy or hash mismatch is an incident under Section 6.13, not a defect notice against the System Integrator. The originating unit repeats the verification on return against fresh seals and files the Headquarters

report against the originating case and the referral register entry. The transfer turnaround ledger, a published indicator from the first month of operations, is two working days to despatch after the decision is recorded, three in transit, one for acknowledgement and hash verification, two to despatch the result after the report issues and three in return transit: eleven working days per referred exhibit.

6.8 Referral out of the programme

Where the requirement is outside CIDAL's scope the Unit In-charge refers the exhibit to the State Forensic Science Laboratory or the notified Examiner of Electronic Evidence, from a District and a Commissionerate alike, on criterion X-1, physical or chip-level recovery from a damaged, burnt or destroyed device; X-2, an embedded system, vehicle system, industrial controller or other class CIDAL is not equipped for; X-3, a court direction for the opinion of an Examiner of Electronic Evidence; or X-4, fingerprint, biological, document or toolmark examination of the same exhibit, in which case the sequence of examinations is settled before either begins and recorded. Packaging, sealing, the manifest and the custody slip follow Section 6.7, save that the manifest carries a code X-1 to X-4 in place of R-1 to R-9, records the receiving institution and carries no class. These referrals are recorded in the unit's system and reported in the monthly return.

6.9 The examination report and its certification

Every report and summary issued by a unit contains, as a minimum: the case identifier, the exhibit identifiers and the question the examination was to answer; the authority under which it was conducted; the description and condition of each exhibit on receipt with its seal numbers; the hash values on receipt and at each stage, with the algorithm named; the acquisition and examination methods, the parameters applied, and the tool, version and firmware version where applicable; the operator and the dates of each action; the findings, stated as findings and distinguished from inference; a statement of limitations recording what was not examined and why; and the name, designation and signature of the Examiner with the countersignature of the reviewer.

The report is produced by the Case and Evidence Management System to the structure published at Annexure D, drawing identifiers, custody sequence, hash values, tool and version and dates from entries already made. The statutory certificate is executed from the material in that report, in its two parts; Chapter 5 governs it.

6.10 Quality assurance and review

Every examination report and every triage summary is reviewed and countersigned before issue.

The reviewing-officer rule. One officer may hold more than one duty, except where separation is evidentiary: the examiner of a case may not review or countersign that case's report. Where a unit's only trained examiner is also its Unit In-charge, the review is performed on the record by the officer to whom the Unit In-charge reports. Review is a check on completeness, method, hashes and stated limitations. It is not a re-examination, and it does not require the reviewer to be a trained examiner.

The Case and Evidence Management System refuses to record a review or countersignature against the identity that performed the examination of that case.

Review is against the published quality-review checklist at Annexure D and covers that the authorisation preceded the action; that every hash is recorded and every verification matched; that the method stated was the method performed; that findings are supported by the artefacts cited and inference distinguished from finding; that limitations are stated; and that the classification, treatment and time target are consistent with the record. The reviewer's identity, the date and any observation returned are recorded. At Headquarters referred reports are peer-reviewed by the Quality and Review Authority, who does not examine; tool validation is performed against a Department-supplied known-answer dataset off any evidential machine, producing the validation dossier and the validated-build record on which every unit's tool and version records depend.

6.11 Chain of custody and the movement register

The chain of custody is unbroken from receipt to disposal, evidenced by the chain-of-custody and movement ledger in the unit's Case and Evidence Management System. The ledger is append-only: an entry once made cannot be edited or deleted by any officer or administrator; a correction is made only by a further entry citing

the entry corrected and stating the reason; and an entry that would leave a gap in an exhibit's sequence of movements is refused.

Table 6.6: When a custody entry is made, and what it records

Occasion	Entry records
Receipt from the forwarding officer	Date, time, forwarding officer, receiving Custodian, condition, seal number, receipt number
Placement into storage	Cabinet and location identifier, seal number, Custodian
Production for acquisition or examination	Date, time, issuing Custodian, receiving Examiner, seal broken and its number, condition
Return to storage after a session	Date, time, returning Examiner, receiving Custodian, new seal number, condition
Despatch on referral	Date, time, packing Custodian, seal numbers, manifest reference, carrier or escorting officer
Receipt on return from referral	Date, time, receiving Custodian, seal numbers verified, hash re-verification result, condition
Production to a court	Date, time, producing officer, seal numbers on production and on return, condition, and the reference of the production set and of the statutory certificate executed
Release, transfer or disposal	Date, time, authority, receiving person or method, seal number, disposal certificate reference

Every entry names the officer, the date and the time and is made at the time of the act. Movement between the Physical Evidence Holding Zone and the Evidence Processing Zone is itself a custody event. The statutory requirement that the police report record the sequence of custody of an electronic device is discharged from this ledger.

6.12 The removable-media crossing procedure

The Evidence Processing Zone is offline in operation with no path outside itself, and the Controlled Internet Zone holds no evidential artefact and shares no storage with it. The only movement between them is by controlled removable media, and no other path exists or may be created. Crossings are permitted in two directions only, and in no other: inward, the four content classes fixed at Section 4.7; outward, completed reports, summaries, manifests, certificates and returns. No original exhibit, forensic image or working copy crosses by this route; an image for referral is written to transfer media inside the zone, sealed and handed to the Custodian.

Each medium is issued by the Unit In-charge from the removable-media crossing register, a set of fields in the Case and Evidence Management System; it is single-purpose and uniquely identified, sanitised before and after every use by a recorded method, and returned to the register on completion. Every use is logged with the date, direction, officer, medium, what crossed and the sanitisation performed. Every imported package is integrity-verified against its published value before opening inside the zone. A medium whose sanitisation fails is withdrawn, recorded and disposed of under Annexure L. Use of a medium not issued from the register, or for any other purpose, is an incident.

6.13 Incident and contamination response

An evidentiary incident is a seal found broken, missing or not matching the record; a hash mismatch on verification, on receipt of a referral package or on its return; an exhibit or medium that cannot be accounted for; an unauthorised crossing between zones; loss, damage or suspected alteration of an exhibit, image or working copy; an acquisition stopped before completion whose image was left unmarked or whose record was not written; or an unauthorised access attempt on any zone. A cyber incident is reportable under Section 5.8 and an equipment or systems incident under Chapter 13; one event may fall within more than one class, each reported under its own procedure and within its own period.

On detection work on the affected exhibit stops, the item is re-sealed with a fresh numbered seal and quarantined under a separate custody entry, and the Unit In-charge records the time of detection, the detecting officer and the state observed and submits a written incident report to the supervising officer within one working day, copied to the counterpart where a referred package is involved. No incident report passes between two field units. Re-acquisition from the original source requires the written authority of the Unit In-charge and the presence of the Custodian, the fact, reason and authority carried into the statement of limitations in any report issued. Every incident appears in the monthly return and is an evidentiary event, not a

defect notice against the System Integrator; where a fault in delivered equipment contributed, that is raised separately under Chapter 13.

6.14 Power interruption during an acquisition

Every examination workstation and every acquisition and processing node carries a dedicated power provision holding its load for not less than thirty minutes, alarming audibly and on screen with the runtime remaining, and instructing a clean shutdown before the battery is exhausted if no officer intervenes. Shared unit equipment, the Controlled Internet Zone endpoint and the evidence-holding area's lighting and access recording are carried by a separate unit-level provision. Specifications, sizing and acceptance tests of both are at Chapter 10.

On a mains failure the acquisition runs to completion only where it will finish with not less than five minutes of runtime to spare, and is otherwise closed as a partial image. The system records the time of failure and runtime remaining against the open acquisition record; the officer informed; the comparison of the time the acquisition tool reports as remaining against the runtime remaining on the provision, and the decision taken; either the completed verification with both hash values and the match statement, or a partial-image record stating the bytes written, the hash computed over them, the acquisition log and the marking of the image as partial; the paired custody entries and new seal number; the time of restoration and any fault ticket where the provision did not perform as specified; a fresh authorisation and acquisition record for the re-run, each citing the interruption; the sanitisation certificate for the partial image, sanitised only after the re-run image is verified, its record and hash remaining permanently; and the interruption, partial acquisition and re-run in the statement of limitations of any report issued.

An acquisition is never stopped by removing power, switching the machine off or disconnecting the exhibit, and a partial image is never examined, counted as an acquisition, made the basis of a finding or produced to a court. An interrupted verification is no verification and is performed again in full. On scene the Examiner does not begin an acquisition unless the kit's remaining battery endurance exceeds the expected acquisition time by not less than thirty minutes, or mains is available. Departure from this procedure, a machine losing power notwithstanding its provision, or a provision failing to alarm or to shut down cleanly, is an incident under Section 6.13, the last two also being equipment faults under Chapter 13. Mains failures during acquisition and acquisitions closed as partial and re-run are counted in the monthly return, more than three at a unit in a month being reported to the supervising officer. Annual witnessed battery capacity testing, replacement at the System Integrator's cost where measured capacity falls below eighty per cent of rating, and re-verification of runtime at the machine's measured load after each replacement are obligations of Chapter 8, WS13.

6.15 Response to a notified Critical software defect affecting evidence integrity

The System Integrator's obligations are at Chapter 10 and Section 5.5. Severity is determined by the Department on the definitions at Chapter 10. The affected-case list can be made only at the unit holding the records, from the tool and version recorded against every acquisition and examination. The Department's response produces these records against these clocks.

- Notification record on receipt: the item, the affected versions, the conditions in which the defect appears, and the means of determining whether a case is affected.
- Written advisory to every unit at which the version is deployed within one working day, stating the item, versions, conditions, whether the affected function is suspended and the date for reporting affected cases; acknowledged at each unit within one working day of issue.
- Suspension entry on reading the advisory, with its time and the cases whose targets it affects.
- Affected-case list within five working days of the advisory, from the tool and version recorded against each acquisition and examination, reconciled against the System Integrator's identification; where the two differ the unit's contemporaneous record governs and the difference is reported.
- Re-verification record within ten working days of the list, cases before a court first, stating the method, the implementation used, both hash values, the outcome, the officer and the date: each affected exhibit is re-verified against the hash recorded at acquisition, a preserved image restored from archival media where

held there, and where the defect bears on the hash computation itself the check uses an implementation of the algorithm other than the affected one.

- Incident entry under Section 6.13 where the values do not match or the image cannot be verified; re-acquisition from the original only on the written authority of the Unit In-charge, in the presence of the Custodian and only while the original is held, failing which the fact is carried into the statement of limitations.
- Re-examination record within ten working days of the correction being installed, where the defect bears on the examination rather than the image, comparing the repeated step with the finding reported; and a supplementary report within five working days of that comparison where a finding changes, countersigned under Section 6.10.
- Written intimation within three working days of completing re-verification, to the investigating officer in every affected case already reported and to the prosecuting officer where the case is before a court.
- Return-to-use entry recording that the correction or interim workaround is installed, was imported under Section 6.12 with its integrity verified, and that the unit's check against Department-supplied reference material returned the known answers.

A unit observing such behaviour records it as an incident under Section 6.13, raises it to the support desk the same day and informs Headquarters; the Department determines severity, and where it is Critical and evidence integrity is affected this section runs from the advisory, the clock counted from the Department's report of the defect. The workaround and correction periods at Chapter 10, and any service credit, are administered under Chapter 13.

6.16 Retention, disposal and release

Every artefact class a unit handles carries a retention period, storage medium, custodian and disposal method, published at Annexure L and nowhere else.

Nothing is destroyed, sanitised or released except on the written order of the Unit In-charge, recorded against the retention schedule, and only after final disposal of the case and expiry of the period for that class. The Case and Evidence Management System runs the retention clock for each class and blocks disposal while it runs or while the case remains open, the block being released only by a recorded act of the Unit In-charge citing the authority relied on. Where retention has been directed, or proceedings or an appeal period are running, the item is retained irrespective of the schedule and the direction recorded against it. An exhibit is released against that written order and a signed acknowledgement, with a numbered seal applied and a final custody entry made. Working copies, derived artefacts and crossing media are sanitised by the published method for that class, each sanitisation producing a certificate identifying the item, method, officer and date.

6.17 The monthly return

Each of the seventy-five field units compiles a monthly return, generated by the Case and Evidence Management System from its own records without manual re-entry, certified by the Unit In-charge and submitted from the Controlled Internet Zone by the fifth working day of the following month. Headquarters consolidates them; a quarterly return is certified at the unit and reviewed by the Technical Committee, and an annual return supports the capacity review.

Table 6.7: Contents of the monthly return

Group	Items reported
Caseload	Cases registered; cases in which a digital exhibit was taken into custody; exhibits received by class
Classification	Cases classified by priority class; time to classification; reclassifications up and down with reasons in summary
Treatment	Treatments completed by class; reports and summaries issued; cases held under preserve-and-hold; exhibits pending at month end and the age of the oldest pending item
Ageing by class	The age of the oldest pending P1 case and of the oldest pending P2 case
Referral	Referrals raised to Headquarters by criterion code; referrals returned and closed; referrals made out of the programme
Custody and consumable	Acquired volume written to archival media; tamper-evident seal stock and consumption; incidents recorded and their status

Group	Items reported
s	
Continuity of supply	Mains failures occurring during an acquisition; acquisitions closed as partial and re-run; any occasion on which a machine lost power notwithstanding its dedicated provision
Software integrity	Cases affected by a notified Critical software defect; re-verifications completed; re-examinations completed; findings changed; intimations issued to investigating officers
Resources	Equipment faults, downtime and open service tickets; trained-examiner availability; cascade certification of secondary examiners

A P1 case pending beyond fourteen working days, or a P2 case beyond thirty, is reported by name to the supervising officer in addition to the return. The limits of the mechanism are stated on the face of the return: it is self-reported and not independently verifiable between physical inspections; it is lagged by up to forty days; it carries aggregates and not case-level records; and it is reconcilable against an independent record only for the referred subset. No service level, credit or acceptance criterion in this Request for Proposal depends on a live field figure.

Chapter 7: Process Workflows

7.1 Purpose and application

This chapter states every workflow, the tiers performing each and the items enabling it. For the operating phase the catalogue is exhaustive; delivery, installation, acceptance and training are not workflows in this sense and are governed by Chapters 11, 12 and 18.

7.2 The rules that govern every workflow

Four rules bind the catalogue and are tested against every row of it.

No workflow crosses from one field unit to another: none moves a case, exhibit, image, report or record between any two of the seventy-five field units, in any form, for any purpose, at any tier, and a District never transacts with a Commissionerate. A unit lacking a capability has two destinations only: Headquarters, or out of the programme to the State Forensic Science Laboratory or the notified Examiner of Electronic Evidence.

Classification precedes every treatment workflow: no acquisition, examination, triage or archival workflow begins before the Unit In-charge has assigned and recorded the priority class, which determines the treatment and the time target. The one exception is on-scene collection, which precedes intake and is followed by intake and classification.

The referral workflow is available only from a P1 or P2 case. Raising the treatment of a P3 or P4 case does not make it referral-eligible; the limitation is recorded in the report or summary, and reclassification is the only route to eligibility.

No workflow assumes a network between units. No row implies inter-site connectivity or equipment, a shared platform, a consolidated record or any synchronisation of data between Headquarters and a field unit; the Case and Evidence Management System at each of the seventy-six units is standalone, with no server instance, no consolidation, no replication and no synchronisation between instances. Three acts are not data paths between units: the WF-17 monthly certified returns, an administrative act on aggregate figures compiled at Headquarters; the WF-16 advisory, a written communication through the Controlled Internet Zone; and the WF-15 remote support session, reaching only the unit's Controlled Internet Zone endpoint over the departmentally-provided internet service, no machine of the Evidence Processing Zone being remotely reachable. In this Request for Proposal a data connection between units means a network path procured, installed or configured under this contract; none exists, and the departmentally-provided internet service at a unit's Controlled Internet Zone is not such a path. Evidence moves on referral as a sealed, hash-verified package physically carried, the only movement of any kind between units.

7.3 The estate within which the workflows execute

The estate is the seventy-six units fixed at Chapter 3, of which seventy-five are field units. Each field unit performs intake, registration, acquisition and examination for its own caseload and owns its cases throughout; Headquarters performs referred examinations, holds the authorisation-gated capabilities and provides training, tool validation, quality review and the support desk. A unit's only external dependency is the departmental internet at its Controlled Internet Zone.

7.4 The end-to-end workflow and its control points

The workflows compose into one path from seizure to production in court. Seven control points on it are the evidentiary spine: at each an act is verified and recorded, producing an artefact an auditor or a court can inspect independently of the officer who performed it. A workflow omitting a control point is incomplete, and Annexure B verifies each as a delivered function of the Case and Evidence Management System and of the acquisition tooling.

Table 7.1: The seven control points on the end-to-end path

Control point	Where it occurs	Performed by	Artefact produced
CP1	Receipt of the exhibit from the forwarding officer	Custodian	Numbered receipt, condition statement, seal number, first custody entry
CP2	Production of the exhibit for acquisition and its return to storage	Custodian and Examiner	Paired custody entries with seal numbers and condition
CP3	Hash computed during acquisition	Examiner	Acquisition hash with algorithm named, acquisition log, write-block verification record
CP4	Verification of the acquired image against the source before release	Examiner	Verification hash and match statement on the acquisition certificate
CP5	Custody transfer on referral, with hash verification on receipt and on return	Custodian at both ends	Package manifest, custody slip, seal numbers, receipt acknowledgement, re-verification result
CP6	Review and countersignature before issue	Reviewer who is not the case's examiner	Countersigned report or summary, quality-review checklist
CP7	Execution of the statutory certificate for production, in its two parts	Unit In-charge as the officer producing the record; the case's Examiner as the expert verifying the source device and the hash values, both being authorised Government officers	Certificate with device particulars, hash values and the expert's verification, both parts signed and dated

7.5 The workflow catalogue

Nineteen workflows compose the operating phase, each stated once at every tier performing it, the steps identical and only the grade of capability differing. At Headquarters the field-unit duty names denote the corresponding Headquarters roles at Table 4.7: Laboratory Head for Unit In-charge, Discipline Specialist for Examiner, Evidence Custodian and Referral Register Officer for Custodian; review is by the Quality and Review Authority. Tier key: D = District (68); C = Commissionerate (7); H = Headquarters (1). Enabling identifiers are those of Chapter 9 and no others.

Table 7.2: Workflow catalogue: tiers and enabling items

ID	Workflow	Tiers	Enabling items
WF-01	Exhibit receipt and case registration	D, C	SW-12, IN-06, SV-04
WF-02	Triage classification	D, C	SW-12
WF-03	On-scene response and collection	D, C	SW-01, SW-03, SW-12, HW-07, SV-04
WF-04	Acquisition and verification	D, C, H	SW-01, SW-02, SW-03, SW-12, HW-01, HW-03, HW-04, HW-05, HW-06, IN-07, IN-08
WF-05	Full examination (T-A)	D, C, H	SW-01, SW-03, SW-06, SW-07, SW-10, SW-12, HW-01, HW-03, HW-04, HW-05
WF-06	Bounded triage examination (T-B)	D, C	SW-01, SW-03, SW-07, SW-12, HW-04, HW-05
WF-07	Preserve and hold with archival write (T-C)	D, C	SW-01, SW-12, HW-04, HW-05, IN-06, SV-04
WF-08	Report review and sign-off	D, C, H	SW-12
WF-09	Referral to Headquarters	D, C	SW-12, HW-04, HW-05, IN-06, SV-04
WF-10	Referred examination at Headquarters	H	SW-01, SW-02, SW-03, SW-06, SW-08, SW-09, SW-10, SW-11, SW-12, HW-01, HW-02, HW-03, HW-06, MP-01
WF-11	Authorisation-gated examination	H	SW-04, SW-05, SW-12, SW-13, HW-01, HW-03, IN-01, MP-01
WF-12	Referral out of the programme	D, C	SW-12, IN-06, SV-04
WF-13	Reclassification	D, C	SW-12
WF-14	Removable-media crossing	D, C, H	SW-12, IN-01, IN-03, SV-04
WF-15	Remote support request	D, C, H	IN-03, SV-02, SV-04, MP-01
WF-16	Incident, contamination and software-defect response	D, C, H	SW-12, IN-03, IN-06, SV-02, SV-04
WF-17	Monthly return compilation	D, C, H	SW-12, IN-03, MP-01
WF-18	Retention, disposal and release	D, C, H	SW-12, HW-02, IN-06, SV-04
WF-19	Court production and testimony support	D, C	SW-01, SW-03, SW-12, IN-06

Each workflow is governed by the Chapter 6 procedure of the same subject matter, stating the officer for each step, the record produced and the clock: WF-01 and WF-02, Sections 6.3 and 6.4; WF-03 to WF-07, 6.5 and 6.6; WF-08, 6.10; WF-09, 6.7; WF-10 and WF-11, 6.7 and 6.9, with the authorisation gate at 5.10; WF-12, 6.8; WF-

13, 6.4; WF-14, 6.12; WF-16, 6.13 and 6.15; WF-17, 6.17; WF-18, 6.16; WF-19, 6.9 and 6.11, producing the production set, the material for the statutory certificate and the production custody entry, evidenced by the hash chain from acquisition to production. WF-15 is governed by the support-desk service levels at Chapter 13.

7.6 What the catalogue does not contain, and why

Four workflows a reader may expect are absent by design. The first two restate Section 7.2: no workflow between two field units, and no synchronisation workflow of any kind, periodic or on demand, online or offline — Headquarters holds no consolidated view of field caseload, and programme reporting is WF-17, an administrative return certified by the unit. Third, no national-platform integration workflow: no integration, interface development, data migration or system-to-system linkage with the National Cybercrime Reporting Portal, the Samanvaya Platform or the Crime and Criminal Tracking Network and Systems is in scope, officers using those platforms from the Controlled Internet Zone through their existing interfaces. Fourth, no workflow requires inter-site equipment, none being procured.

A further Headquarters process falls outside the operating-phase catalogue: tool validation against a Department-supplied known-answer dataset, by the Quality and Review Authority, off any evidential machine, under Section 6.10, producing the validation dossier and the record of the validated build in use, on which every unit's tool and version records depend.

Every enabling identifier in Table 7.2 appears in the Chapter 9 Bill of Materials, which also carries the facility, implementation, training, audit and reserve heads, traced through Chapters 8, 11, 12 and 13. A workflow's records and audit artefacts are those of its Chapter 6 procedure, and Chapter 9 and Annexure B carry the same mapping item by item and test by test: the three reconcile.

Chapter 8: Scope of Work

8.1 Purpose, application and the form of a workstream

This chapter converts the design at Chapters 4 to 7 and the inventory at Chapter 9 into the obligations of the party that wins the contract, the System Integrator. Every obligation here is contractual and none is left to be settled after award.

The scope is organised into thirteen workstreams, nine delivering capability items and four cross-cutting. Table 8.2 places all thirty-five rows of the Bill of Materials: thirty-three within a named workstream and two outside them. Three infrastructure identifiers are deployed at all three tiers, the Headquarters quantity of each delivered under WS1 and its field-unit quantity under WS2.

Every workstream is stated in the same parts: the item deployment table, whose quantities are those of Chapter 9 and no others; the deliverables; the dependencies and who owns each; and the acceptance criteria, being the objectively verifiable conditions on which the workstream is accepted, each measured by a method published at Annexure B and Annexure G, on Department-supplied material where required, and each producing retained evidence.

8.2 Scope rules that govern every workstream

The rules at Table 8.1 apply to all thirteen workstreams and are not repeated in each; where a rule and a workstream entry appear to differ, the rule governs.

Table 8.1: Scope rules governing every workstream

#	Rule
SR-1	No inter-unit connectivity of any kind is procured between any two of the seventy-six units: no leased line, no wide-area network, no virtual private network, no tunnel, no overlay, no site firewall, no routing device, no shared platform and no shared storage. A bidder shall neither assume nor price any such element. A bid carrying a price against any of them is to that extent non-responsive
SR-2	Each of the seventy-six units is standalone and self-sufficient for the work assigned to its tier. Nothing moves between units except a specific referred exhibit or its verified forensic image, physically, under chain of custody, on a decision recorded before despatch
SR-3	Acceptance methods are published by the Department at Annexure B and Annexure G. The bidder does not choose, propose, substitute or vary a test method, and no obligation is discharged by a supplier-provided test method
SR-4	All equipment is new, unused and of current production, and is not end-of-sale or end-of-life at bid date. Refurbished, demonstration, open-box, remanufactured and grey-market goods are prohibited. A supplier undertaking of support availability for not less than five years from delivery accompanies every hardware line
SR-5	One capability is delivered once, under one identifier, at every tier that holds it. No capability is delivered a second time under another label, at another tier or inside a composite item. The single exception is the training laboratory: the training instances installed at every one of its thirty learner endpoints, the not fewer than thirty concurrent entitlements of each hands-on licence class, the thirty training device sets and the livestream platform and its licences are procured within IN-04 and are additional to every operational entitlement in this Bill, carry no evidential data and serve no unit
SR-6	Quantities are those of Chapter 9. A workstream table restates them and does not create them; variation is operated only under the variation clause at Chapter 14
SR-7	Throughput, concurrency and continuity are stated as outcomes, and a compliance statement is accepted on the outcome and not on the name of a product. A bidder names the product it offers and, where it differs from a product named in Chapter 10, the basis of its equivalence; the Department determines equivalence against the measurable floor stated with that product. The licensing mechanism by which a bidder delivers the outcome is at the bidder's option and attracts no additional charge during the term
SR-8	Every item deployed at a field unit operates offline. Offline licence activation is mandatory, periodic online re-validation is not acceptable, and updates are imported by the removable-media crossing procedure at Chapter 4
SR-9	Every payment gate is a named certificate or gating record defined at Chapter 18, Table 18.10 and issued against a published test. No payment is gated on an audit, review or opinion that this Request for Proposal does not define
SR-10	No person engaged by the System Integrator holds credentials to any evidence-processing system at any field unit, and none is present at a field unit other than for delivery, installation, inspection, maintenance or training under escort
SR-11	Every deliverable document is handed over in an open editable format with a signed portable-format copy, in English, the operating and training material additionally in Hindi. Each document named in this Request for Proposal is a contractual deliverable
SR-12	No scope element is expressed as a disjunction. Where this chapter states a quantity, a period, a rating or a condition, that is the quantity, the period, the rating and the condition
SR-13	Each software entitlement includes all updates, upgrades, patches and signature, definition and dataset refreshes with supplier support for not less than three years from acceptance of that item at the unit where it is deployed; on expiry the item continues to function in perpetuity, without updates, at no further cost, requiring no renewal, no reactivation, no further payment and no further act of the supplier or any other party. Continuity may not depend on anything under the supplier's control: no expiry date, time-limited key, periodic reactivation requirement, remote disable capability or dependency on a supplier-hosted licence service is accepted; a permanent offline entitlement is delivered for every instance; and the Department retains in perpetuity the means to read, search and

#	Rule
	export its own data in open formats. A written undertaking from the principal of each offered item is a bid-responsiveness requirement. The clause is stated in full at Chapter 10, Section 10.2.2, binds every software item without exception, and is not open to qualification, exclusion or negotiation by a bidder
SR-14	All software supplied shall be free from defects, conform to its specification at Chapter 10 and to the functionality the bidder demonstrated at the proof of concept, and the supplier certifies at each delivery that no defect of Critical or High severity is known to exist. Defects are classified in four severity classes and corrected within the clocks at Chapter 10, Section 10.2.3 (a workaround within 4 hours and a correction within 7 days for Critical, 24 hours and 30 days for High, 90 days or the next release for Medium, and the next release for Low) at no cost to the Department for the whole term. A Critical defect affecting evidence integrity is an incident, reported within 4 hours, with every case processed on the affected version identified. No item carries malicious code, an undocumented interface, undisclosed data transmission or any capability to disable or remotely alter it, and a software bill of materials with disclosed vulnerabilities accompanies every software item. Persistent failure is a service-level breach under Chapter 13

Where any discrepancy, inconsistency, ambiguity or conflict arises between provisions of this Request for Proposal, or between it and any annexure, corrigendum or clarification issued under it, the Apex Procurement Committee reserves the authority to determine the meaning and implication of the provisions concerned. Its determination shall be issued in writing, shall bind all bidders and the successful bidder, and shall be published to all bidders where issued before the bid due date.

8.3 The workstream map

Table 8.2: Workstream map of scope, estate and identifiers

WS	Title	Where delivered	Units	Identifiers
WS1	Headquarters facility, zoning, training laboratory and associated works	Headquarters	1	IN-01, IN-02, IN-04, IN-05, IN-06 (Headquarters quantity), IN-07 (Headquarters quantity), IN-08 (Headquarters quantity)
WS2	Field-unit local cabling, switching, power and the three-zone build	Commissionerates and Districts	75	IN-03, IN-06 (field-unit quantity), IN-07 (field-unit quantity), IN-08 (field-unit quantity)
WS3	Headquarters compute, storage and backup	Headquarters	1	HW-01, HW-02
WS4	Acquisition, imaging and on-scene response	All tiers	76	HW-05, HW-06, HW-07
WS5	Examination workstations	All tiers	76	HW-03, HW-04
WS6	Host, mobile and telecom forensic software	All tiers	76	SW-01, SW-03, SW-07
WS7	Headquarters investigation and analysis tooling	Headquarters	1	SW-02, SW-04, SW-05, SW-06, SW-08, SW-09, SW-10, SW-11, SW-13
WS8	The unit-local Case and Evidence Management System	All tiers	76	SW-12
WS9	The Headquarters specialist cadre and the support desk	Headquarters, serving all units	1	MP-01
WS10	Project management, programme controls and documentation	Programme-wide	76	SV-01 (part)
WS11	Wave-wise delivery, installation, commissioning and acceptance	All tiers	76	SV-01 (part)
WS12	Training delivery	Headquarters and remotely to field units	76	SV-03
WS13	Operations, maintenance, spares and support	All tiers	76	SV-02, SV-04
None	Independent audit and programme management support	Departmental engagement outside this contract	Not applicable	SV-05
None	Technology-refresh and extended-warranty reserve	Ring-fenced provision drawn only on written departmental approval	Not applicable	RS-01

The reserve is not work the System Integrator may plan, schedule or invoice against; it is drawn only on written departmental approval, to extend hardware warranty coverage inside the contract term.

8.4 WS1: Headquarters facility, zoning, training laboratory and associated works

Table 8.3: WS1 item deployment

ID	Item	Headquarters quantity
IN-01	Headquarters Network Zoning and Switching	1
IN-02	Headquarters Structured Cabling, Racks and Passive	1
IN-04	Training Laboratory (30-position)	1
IN-05	Headquarters Electrical, Environmental and Laboratory Furnishing	1
IN-06	Evidence Storage Cabinet	4
IN-07	Uninterruptible Power Supply, unit level	1
IN-08	Workstation Uninterruptible Power Supply	11

Deliverables:

- the zoned local network delivering the five zones and the management domain of Chapter 4, each with its own policy set, administrative role and audit trail, with central log collection and time synchronisation to the national reference
- structured cabling with per-outlet test reports, racks, in-rack power distribution and spares
- the training laboratory of thirty learner endpoints and an instructor endpoint, every one of them fully equipped in hardware and in software and carrying the whole training instance set deployed in the laboratory, with room displays; one isolated training network administered as a single training segment with one instruction point, serving all thirty learner endpoints and the instructor endpoint together and having no path to any evidential zone; not fewer than thirty concurrent entitlements of every hands-on licence class, so that all thirty learners may be in any one tool at the same moment; and thirty training device sets, being not fewer than 30 portable write blockers, 30 training storage devices spanning the rotating and the solid-state classes and 30 training handsets across the prevalent mobile operating-system families, with their cable, adapter and card sets, none holding evidential data
- the livestream platform for the training laboratory and its licences for the full contract term, by which any session the laboratory delivers may be livestreamed to officers at the field units and received at each unit over that unit's own Controlled Internet Zone endpoint, sized so that all 75 field units may receive the same session at the same time, originating from the separately connected Controlled Internet Zone endpoint of the laboratory and holding no path to any learner segment or to any evidential zone, as specified at Chapter 10, IN-04.14
- the internal power distribution and cabling within the laboratory, sized to the Headquarters connected load fixed at Chapter 10, Section 10.5.1; monitoring, logging and alarming of temperature and relative humidity in the equipment room and the training laboratory; and the laboratory and training furnishing
- four evidence cabinets
- the unit-level power provision, protecting the compute and storage platform, the backup and archive tier, the zoning and switching provision, the training laboratory and the laboratory endpoints
- eleven dedicated power provisions, one at each laboratory-grade workstation, each protecting that machine, its displays and its attached acquisition hardware for not less than thirty minutes at the load measured under the concurrent high-load acceptance test
- as-built drawings, configuration exports, the labelling schedule and the instrument record of every test

The laboratory endpoints are departmental desk machines outside the Bill of Materials, which the System Integrator serves and protects but does not supply.

Dependencies. The room and its fabric with civil readiness, air conditioning, lighting, the electricity supply including a dedicated supply of not less than 45 kVA at Headquarters and the dedicated circuits, earthing and protection, standby generation, the fire-safety system, premises security and the departmentally-provided internet service are departmental scope, verified at site readiness under Chapter 11 and recorded at Annexure H. The training laboratory is commissioned and accepted by the fourth month from the contract effective date, ahead of the balance of Headquarters.

Acceptance criteria. Criteria WS1-a to WS1-f at Table 8.18 apply in full.

8.5 WS2: Field-unit local cabling, switching, power and the three-zone build

Table 8.4: WS2 item deployment

ID	Item	Commissionerate (per unit)	District (per unit)	Field-unit total
IN-03	Field-Unit Local Cabling and Switching	1	1	75
IN-06	Evidence Storage Cabinet	3	2	157
IN-07	Uninterruptible Power Supply, unit level	1	1	75
IN-08	Workstation Uninterruptible Power Supply	2	2	150

Deliverables. At each field unit: local cabling, a wall rack, a managed switch and tested outlets sized to that unit's own procured endpoints; evidence cabinets with adjustable shelving, three-point high-security locking, tamper-evident sealing points, anchoring, case separation and an access register; a unit-level power provision covering the local switching, the Controlled Internet Zone endpoint, on-scene kit charging, the evidence-holding-area lighting and, at a Commissionerate, the bench imager; and a dedicated power provision at each machine, two at every field unit, being one at each of the two analysis workstations at a Commissionerate, and one at the analysis workstation and one at the acquisition and processing node at a District, each on that machine's own dedicated circuit.

The dedicated provision protects one machine, its displays and its attached acquisition hardware and nothing else; the unit-level provision protects everything else at the unit. Chapter 10, Table 10.30 states the division load by load, and a bid that sizes the unit-level provision to a load already carried by the dedicated provision, or that omits a load from both, has not met the specification. WS2 delivers the three-zone separation physically and not by configuration alone, and the Evidence Processing Zone at every field unit has no path outside itself.

Dependencies. The room and its fabric, civil readiness, air conditioning, lighting, the electricity supply including the dedicated circuits, earthing and protection, standby generation, premises security and the departmentally-provided internet service at the Controlled Internet Zone are departmental scope at all seventy-five units. Site readiness is verified against numeric values and not against a description: a dedicated supply of not less than 3 kVA at a District and 4 kVA at a Commissionerate, not fewer than two dedicated circuits at a District and three at a Commissionerate, and an earth resistance not exceeding 5 ohms, each as fixed at Chapter 10, Section 10.5.1 and recorded at Annexure H. A unit certified not ready at joint verification is deferred without damages and re-sequenced under Chapter 11.

Acceptance criteria. Criteria WS2-a to WS2-f at Table 8.18 apply in full. Acceptance is unit by unit.

8.6 WS3: Headquarters compute, storage and backup

Table 8.5: WS3 item deployment

ID	Item	Headquarters quantity
HW-01	Headquarters Forensic Compute and Storage Platform	1
HW-02	Headquarters Backup and Archive Tier	1

Deliverables. A clustered, virtualised and highly available compute and storage platform of contractual usable capacity not less than 96 TB and raw provisioning not less than 144 TB, tolerating the concurrent loss of two devices, sustaining not fewer than eleven concurrent examination sessions, with snapshots, encryption at rest under departmental key custody and unconditional immutable log storage with a stated retention period; a local secondary copy with removable archival media aligned to Annexure L; a contractual restore-time obligation; integrity verification; and quarterly restore testing. Case data examined at Headquarters is held here and not on the examiners' workstations.

Dependencies. WS1 must have delivered the Headquarters zoning, power and environment, and Annexure L fixes the archival tiers. No element of this workstream serves, replicates to or receives from any field unit.

Acceptance criteria. Criteria WS3-a to WS3-f at Table 8.18 apply in full.

8.7 WS4: Acquisition, imaging and on-scene response

Table 8.6: WS4 item deployment

ID	Item	Headquarters	Commissionerate (per unit)	District (per unit)	Total
HW-05	Acquisition and Processing Node, field grade	Nil	Nil	1	68
HW-06	Hardware Forensic Imager	1	1	Nil	8
HW-07	On-scene Response Kit	Nil	1	1	75

Deliverables. At each of the sixty-eight Districts, a second parallel compute and storage endpoint in the Evidence Processing Zone, specified for unattended acquisition, hashing, indexing, automated processing and archival writing while the analysis workstation is in interactive use, with hardware-enforced write blocking on every acquisition path, authenticated operator identity logged per session, and an acquisition target store additional to and not counted towards the unit's case store. The node is a fixed deskside machine permanently installed in the unit: not portable, not carried to a scene and not an alternative to the on-scene kit. Bench duplicators, one at Headquarters and one at each of the seven Commissionerates, with hardware-enforced write blocking across the interface families in operational circulation, open-container and raw output and complete logs. An on-scene kit at each of the seventy-five field units, comprising a portable write blocker with adapter set, a rugged field computer, evidence isolation bags, target media, seals, a cable and card kit and a transit case, to the ingress, temperature and battery-endurance ratings at Chapter 10, Section 10.4.8 and the witnessed transit and isolation checks at criterion WS4-e, carrying no bundled software licence and no bench duplicator. No on-scene kit is deployed at Headquarters.

Dependencies. WS2 at a field unit and WS1 at Headquarters must have delivered the zone, the bench, the dedicated circuit and, for the node, the dedicated power provision that protects it. The consumable set on which the kits draw is delivered under WS13.

Acceptance criteria. Criteria WS4-a to WS4-f at Table 8.18 apply in full.

8.8 WS5: Examination workstations

WS5 covers all seventy-five field units without exception, and Headquarters in addition; no field unit is delivered without an examination workstation.

Table 8.7: WS5 item deployment

ID	Item	Headquarters	Commissionerate (per unit)	District (per unit)	Total
HW-03	Forensic Analysis Workstation, laboratory grade	11	Nil	Nil	11
HW-04	Forensic Analysis Workstation, field grade	Nil	2	1	82

Deliverables. Eleven laboratory-grade workstations at Headquarters, one for each examining post of the specialist cadre, each to the laboratory-grade configuration floors at Chapter 10, Section 10.4.4 and criterion WS5-a, with a discrete graphics processor of professional or compute class. No case store is delivered on the laboratory-grade workstation; its case data is held on the Headquarters compute and storage platform of WS3. Acquisition at Headquarters is performed on the dedicated bench device of WS4, and no integrated write blocker is delivered in this item.

Eighty-two field-grade workstations, two at each Commissionerate and one at each District, each to the field-grade configuration floors at Chapter 10, Section 10.4.5 and criterion WS5-a, with a discrete graphics processor, integrated or bundled hardware-enforced write blocking on every acquisition path, and the unit's case store at contractual usable capacity not less than 16 TB at a District and 32 TB at a Commissionerate,

mirrored, raw provisioning not less than double. Each machine is handed over with its hardening record, benchmark verification record, as-built configuration and the full instrument record of its acceptance test. The programme has three machine classes: these two and the acquisition and processing node of WS4, all three specified side by side at Chapter 10, Section 10.4.3.

Every delivered machine of every class is run, simultaneously and on Department-supplied material, through the whole software set deployed at its tier. The measurements, limits and pass rule are at Chapter 10, Table 10.17 and criterion WS5-d; every pass condition at Chapter 10, CHL-17 must be satisfied, every recorded quantity is taken and retained, and a machine failing any pass condition is corrected or replaced and re-tested in full.

The graphics processor at a field unit is procured for accelerated decoding, enhancement and playback of recorded video; accelerated classification-assisted triage of large image and video sets, which remains a review aid and never a finding; review of high-resolution material without dropped frames; and headroom for graphics-bound capability now held at Headquarters. Each use is capable of demonstration. Credential and passphrase recovery is authorisation-gated, held at Headquarters alone, exists at no field unit, and no bidder is to price against it.

Dependencies. The zone, the outlet, the dedicated circuit and the dedicated power provision at the machine must have been delivered, under WS1 at Headquarters and under WS2 at a field unit. WS6 supplies the software the workstation is sized to run and against which it is tested, and WS3 the platform from which the laboratory-grade workstation draws its case data.

Acceptance criteria. Criteria WS5-a to WS5-f at Table 8.18 apply in full. Acceptance is unit by unit.

8.9 WS6: Host, mobile and telecom forensic software

Table 8.8: WS6 item deployment

ID	Item	Headquarters	Commissionerate (per unit)	District (per unit)	Total
SW-01	Computer Forensic Analysis Suite: laboratory grade at Headquarters and Commissionerates, field grade at Districts	4	1	1	79
SW-03	Mobile Forensic Acquisition and Analysis Suite: laboratory grade at Headquarters, field grade at field units	1	2	1	83
SW-07	Field Telecom Record Analyser	Nil	1	1	75

Deliverables. Licences, media and offline activation for each deploying unit, each entitlement on the licensing and continuity terms of rule SR-13, running from that unit's acceptance; the physical cable, adapter and power kit of the mobile suite as a named deliverable at every deploying unit; the integrated bounded-triage function of the host suite producing a hashed, case-bound triage package and an investigating-officer summary; and a tool-validation dossier for each item against a known-answer dataset, re-issued on every version delivered during the term.

Dependencies. WS5 supplies the machine, and no unit receives software for which it holds no machine capable of running it. WS12 trains the officer who operates it, and no unit is commissioned unless its in-person-trained examiner completed the core course not later than thirty days earlier.

Acceptance criteria. Criteria WS6-a to WS6-f at Table 8.18 apply in full. Acceptance is unit by unit.

8.10 WS7: Headquarters investigation and analysis tooling

These capabilities are held at Headquarters alone, three of them exercisable only under the written approval of the authorised officer, being an officer of the Cyber Crime Headquarters of a rank designated by the Department for the purpose, on the authorisation gate at Section 5.10.

Table 8.9: WS7 item deployment

ID	Item	Headquarters quantity
SW-02	Alternative-Platform Acquisition and Volume-Decryption Utility	1
SW-04	Authorisation-Gated Advanced Access Capability	1
SW-05	Lawful Cloud and Account Acquisition Module	1
SW-06	Central Telecom Analytics Platform	1
SW-08	Online and Anonymised-Network Investigation Platform	1
SW-09	Virtual-Asset and Distributed-Ledger Analytics	1
SW-10	Forensic Media Processing and Playback	1
SW-11	Media Authenticity and Synthetic-Media Analysis	1
SW-13	Authorisation-Gated Credential Recovery	1

Deliverables. Licences and activation as the zone requires, each on the licensing terms of rule SR-13 without exception, and a tool-validation dossier for each item. For the three authorisation-gated items: request-approval gating, a per-attempt audit record and all processing on Government-controlled infrastructure inside India. For the online and anonymised-network item: managed non-attributable egress, evidential capture with timestamps, hashes and session logs, and isolated operation. For virtual-asset analytics: a declared attribution-dataset scale and refresh cadence, a published risk-scoring methodology and immutable logs. For media authenticity: a published validation methodology with stated false-positive and false-negative behaviour, and reviewer identity and sign-off carried into the exported report.

A limit on what perpetual operation preserves. For six items (SW-03, SW-04, SW-05, SW-08, SW-09 and SW-11) the value depends on a continuously refreshed dataset. Perpetual operation under rule SR-13 preserves each installed tool, every acquisition, capture and analysis already made, and the Department's own data in full; it does not preserve investigative currency. Chapter 10, Section 10.3.2 states item by item what is preserved and what is not; the consequence carries a numeric trigger at Chapter 3, Table 3.6, and Chapter 14 records renewal of these six as a foreseeable recurring requirement.

Dependencies. WS1 must have delivered the zone in which each item sits, including the authorisation-gated zone and the non-attributable egress segment. WS3 supplies the compute and storage, WS5 the seats and WS9 the specialists who operate the items.

Acceptance criteria. Criteria WS7-a to WS7-g at Table 8.18 apply in full.

8.11 WS8: The unit-local Case and Evidence Management System

Table 8.10: WS8 item deployment

ID	Item	Headquarters	Commissionerate (per unit)	District (per unit)	Total
SW-12	Case and Evidence Management System	1	1	1	76

Deliverables. A unit-local, standalone instance at each unit, running on that unit's own procured workstation. No server, no appliance and no dedicated machine is procured for it at any unit. The instance provides:

- case registration under an identifier the system issues itself on completion of intake, which no user may type, choose, edit or reuse
- the exhibit register with description, seal identifiers, condition on receipt and photographs of the exhibit as received
- an append-only chain-of-custody ledger, one entry per movement or access with Custodian identity, date, time and purpose, no entry deletable or editable by any identity, a correction made only by a new entry citing the entry corrected
- the triage and priority register recording the class, the criterion code relied on, the classifying officer and the time of classification; a classification entered without a criterion code is refused

- acquisition records carrying the tool and build, the settings applied, the digests at source and on the image and the verification outcome
- examination notes and findings linked to the named artefacts they rest on
- report generation to the prescribed structure under maker-checker sign-off enforced by the system, which refuses to record a review against the identity that examined that case
- referral request generation with package manifest, seal numbers and receipt acknowledgement
- the removable-media crossing register
- a retention clock for each artefact class, with disposal blocked while the clock runs or the case is open
- role-based access on least privilege with an immutable audit log of every action
- pendency, class-mix and turnaround reporting
- the monthly certified return generated from the system's own records without manual re-entry
- export of the complete court file in open, documented formats readable without the supplier's software

The column sets at Annexure D are the field specification of this system, delivered as fields with the names, permitted values and mandatory or optional status published there, not as paper forms; a column set at Annexure D not present as a field is a non-conformance. The system operates in full with no network connection of any kind, and remains interactive, every screen returned and every entry committed within two seconds, while the unit's forensic tooling runs on the same machine, proved as one of the concurrent workloads of the class's task set in the acceptance test at Chapter 10, Table 10.17.

At each of the seventy-five field units the instance registers the case under a unit-issued identifier, owned there throughout. The Headquarters instance is configured as a referral register keyed to the originating unit's case and exhibit identifiers; it registers no case, takes no intake and is incapable of issuing a case identifier of its own. There is no server instance, no consolidation, no replication and no synchronisation of any kind between instances, online or offline, at any cadence, in any direction and by any mechanism.

Dependencies. WS5 supplies the machine at a field unit and WS3 the platform at Headquarters; Annexure D fixes the column sets and Annexure E the monthly return.

Acceptance criteria. Criteria WS8-a to WS8-g at Table 8.18 apply in full. Acceptance is unit by unit.

8.12 WS9: The Headquarters specialist cadre and the support desk

Table 8.11: WS9 item deployment

ID	Item	Headquarters quantity
MP-01	Headquarters Specialist Cadre, running to the close of the operations period	20 posts

Deliverables. Twenty posts at Headquarters, apportioned as at Chapter 4 with eleven examining posts, each meeting the floors at Annexure M, background-verified before deployment and replaceable within fifteen working days by an equal-or-better resource. The twenty posts are engaged for the thirty-six months of the operations period, being programme months 16 to 52. In addition, nine posts mobilise from programme month 6, on acceptance of the Headquarters wave, and serve the ten months to the start of the operations period; they are the posts required for Headquarters commissioning, for the initial training programme and for the referral function as units become operational. The engagement is accordingly thirty-six months for eleven posts and forty-six months for nine, being 810 post-months in all. Twenty posts is unchanged, no post is withdrawn before the close of the operations period, and every month number is a programme month counted from the effective date of the contract. Each mobilisation date is a contractual date; the schedule is at Chapter 11. There is no contracted post at any field unit. The support desk is delivered as a defined service on the terms of Table 8.12.

The manpower boundary. Contracted personnel provide technical support, tool operation, documentation, bilingual assistance and refresher support at Headquarters (not including delivery of the training programme at SV-03) and supervised assistance only. Final forensic opinions, evidentiary conclusions, statutory certificates and report sign-off remain with authorised Government officers. No contracted person signs a certificate, appears as a witness, or holds credentials to any evidence-processing system at any field unit. Background verification precedes deployment for every post. Bilingual capability, with Hindi mandatory, applies to the

training-delivering and desk-facing posts, being the Training Officer, the Support Desk Officer, the Authorisation Register Officer, the Evidence Custodian and Referral Register Officer and the Documentation and Returns Officer; where any other post-holder is nominated to deliver a training module or an assessment, it is evidenced before that nomination takes effect. Every post-holder, without exception, is capable of producing the records of the post in Hindi and in English.

Table 8.12: Support desk service definition

Element	Definition
Coverage	08:00 to 20:00 Indian Standard Time on every day other than a gazetted holiday, from the commissioning of Headquarters and for the full operations period
Intake channels	A single published telephone number, a single published electronic-mail address and a web request form reachable from the Controlled Internet Zone of any unit. A request received by any channel enters one ticket queue
Acknowledgement	Every request acknowledged with a ticket reference within 30 minutes of receipt within coverage hours
Response and restoration	By severity, as published at Annexure I, measured from the time of logging. Severity definitions, restoration targets and the service-credit mechanism are at Chapter 13
Escalation	Unresolved at the published response target, to the Laboratory Head; unresolved at twice that period, to the Programme Management Unit; a request affecting an exhibit in process escalates on detection and not on elapse
Language	Hindi and English on every channel, at every hour of coverage
Reporting pack	Monthly: tickets by unit, category and severity; acknowledgement, response and restoration performance against target; repeat and unresolved tickets; spares despatched and outstanding; and every request declined as outside the boundary below
Boundary	The desk may not connect to any machine holding case evidence; may not view, receive, transmit or store any evidential artefact, forensic image, working copy or derived intermediate; may not make, verify or influence a forensic finding; and may not hold credentials to any evidence-processing system at any field unit. A request that cannot be met within this boundary is recorded as declined, with the reason, and escalated to the Unit In-charge

Dependencies. The Department posts and releases police personnel to the three field duties. The Controlled Internet Zone at each field unit is the route by which that unit reaches the desk, and it is departmental scope.

Cascade completion under WS12 is monitored against a numeric trigger and reported in the monthly certified return.

Acceptance criteria. Criteria WS9-a to WS9-e at Table 8.18 apply in full.

8.13 WS10: Project management, programme controls and documentation

Table 8.13: WS10 item deployment

ID	Item	Scope	Basis
SV-01 (part)	Implementation, Rollout and Site Commissioning: programme management element	Programme-wide, 76 units	1 lot

Deliverables. A programme management plan and an integrated schedule to unit level within fourteen days of the notice to proceed; risk and issue registers maintained against the numeric triggers at Chapter 3, Table 3.6; configuration and document control with one controlled register of every deliverable and its version; monthly written progress reporting to the Programme Management Unit; a quality plan naming the published test method for every acceptance criterion in this chapter; and the as-built documentation set (drawings, configuration exports, licence entitlement records, the principal's written undertakings on licensing continuity under rule SR-13, the software bill of materials for every software item with its disclosed vulnerabilities, serial-number registers by unit, hardening records, the instrument records of the acceptance tests and operating manuals), handed over per unit and consolidated at final commissioning.

Dependencies. Chapter 11 fixes the three change-control classes, the approving authority for each and the maximum decision time; Chapter 5 defines each governance body once, and no body is addressed under a second name.

Acceptance criteria. Criteria WS10-a to WS10-f at Table 8.18 apply in full.

8.14 WS11: Wave-wise delivery, installation, commissioning and acceptance

Table 8.14: WS11 item deployment

ID	Item	Scope	Basis
SV-01 (part)	Implementation, Rollout and Site Commissioning: delivery and acceptance element	All 76 units, in five waves	1 lot

Deliverables. Joint site-readiness verification at each unit sixty days before its scheduled deployment, against the numeric conditions of Chapter 10, Section 10.5.1 and Annexure H; pre-dispatch inspection, delivery inspection at the unit, installation and configuration verification, and site acceptance against the published test plan, each under Chapter 18, including the full instrument record of the concurrent high-load acceptance test for every delivered machine and the discharge and mains-interruption records for every power provision; a site acceptance certificate per unit and a wave acceptance certificate per wave; and final commissioning across all seventy-six units. Waves are composed as at Chapter 11: Headquarters, then the seven Commissionerates, then the sixty-eight Districts in three lots of twenty-three, twenty-three and twenty-two.

Dependencies. Site readiness is departmental scope, and a unit certified not ready is deferred without damages and re-sequenced. The training gate applies: a unit is not commissioned unless its in-person-trained examiner completed the core course not later than thirty days earlier. Departmental delay in inspecting or certifying tolls the System Integrator's obligations for the affected units.

Acceptance criteria. Criteria WS11-a to WS11-f at Table 8.18 apply in full.

8.15 WS12: Training delivery

Table 8.15: WS12 item deployment

ID	Item	Scope	Basis
SV-03	Training Delivery, 36 months, two modes, bilingual	Headquarters training laboratory and remote delivery to 75 field units	1 lot

Deliverables. In-person delivery at the thirty-position training laboratory to eighty-two officers, one per District and two per Commissionerate, in three batches of twenty-eight, twenty-seven and twenty-seven, each of sixteen working days of core course and three of train-the-trainer, being nineteen delivery days a batch; and the Headquarters cadre course of fifteen working days for the twenty posts of WS9. The in-person programme is seventy-two delivery days, and no batch exceeds the thirty learner positions.

Every one of the thirty learner endpoints is fully equipped and carries the whole training instance set, and the laboratory holds not fewer than thirty concurrent entitlements of every hands-on licence class. A batch therefore takes every module, hands-on modules included, as one undivided cohort at one sitting: no batch is divided into groups taking a class in turn, no batch is extended, and a bidder prices thirty equipped endpoints and thirty concurrent entitlements of each class. The laboratory is one training network with one instruction point serving all thirty endpoints and the instructor endpoint together.

The laboratory livestream. The System Integrator supplies the livestream platform for the training laboratory and its licences for the full contract term at no additional charge, and operates, maintains and supports the platform for the whole of that term, so that any session the laboratory delivers may be livestreamed to officers at the field units, vision, sound and the instructor's screen together, received at each unit over that unit's own Controlled Internet Zone endpoint and sized so that all 75 field units may receive the same session at the same time. The platform originates from the separately connected Controlled Internet Zone endpoint of the laboratory and holds no path to any learner segment or to any evidential zone. The livestream is an additional delivery mechanism and not a track: it carries no curriculum, no assessment, no attendance obligation and no certificate of its own, and it discharges no obligation of the structured remote training track under this workstream, which continues unchanged.

Remote delivery to 375 officers, being five per field unit, in the secondary examiner track, together with the Unit In-charge and Custodian tracks. A remote session is delivered from a separately connected endpoint and consumes the instructor position and that endpoint and no learner position, so the position count does not cap it; a remote session carries not more than fifty learners. The initial trained population is accordingly four hundred and fifty-seven. All material is bilingual in Hindi and English, with translation inside the contract. Assessment, attendance verification by a published method and not by self-declaration, certification records, and the sustaining programme of three scheduled in-person intake weeks in each contract year, carrying the

annual refresher and re-certification of the primary examiners in cohorts of not more than thirty together with officers newly posted to a duty. The cascade obligation is a contracted deliverable: the in-person attendee trains the unit's secondary examiners on the unit's own equipment against a published practical assessment countersigned by the Unit In-charge and returned to Headquarters. Curriculum, schedule and assessment plan are at Chapter 12 and Annexure J.

Trainers. Trainers are provided by the System Integrator under SV-03 and are additional to the twenty posts of the Headquarters specialist cadre at MP-01. No post of that cadre may be counted towards, or deployed in discharge of, the training delivery obligation. Trainers may rotate between modules and batches, and the same individual need not be fielded throughout. Every trainer shall be certified and demonstrably competent in the specific module delivered, holding either a current certification issued by the principal of the tool concerned or documented instructional experience in that discipline, and shall be fluent in the language of delivery. The System Integrator shall furnish the name, qualification, certification and module allocation of every trainer not less than fourteen days before the batch or cohort concerned, and the Department may require the replacement of any trainer who does not meet this requirement, at no cost and without extending any date.

Dependencies. The training laboratory must be commissioned and accepted before the programme begins; the Department posts and releases the officers named above; remote delivery depends on the departmentally-provided internet service at each field unit.

Acceptance criteria. Criteria WS12-a to WS12-g at Table 8.18 apply in full.

8.16 WS13: Operations, maintenance, spares and support

Table 8.16: WS13 item deployment

ID	Item	Scope	Basis
SV-02	Operations, Maintenance and Support, 36 months	All 76 units	1 lot
SV-04	Spares and Consumables, 36 months	All 76 units	1 lot

Deliverables:

- ticketing and the support desk of WS9, and remote assistance within the boundary at Table 8.12
- preventive-maintenance visits to the published schedule, not fewer than twice in each contract year at a field unit and four times at Headquarters
- patch and vulnerability management, performed at a field unit by the removable-media crossing procedure because the Evidence Processing Zone is offline
- correction of software defects within the severity classes and clocks of rule SR-14, at no cost to the Department for the whole term, with the open-defect register furnished monthly
- the annual re-verification that every software item still installs, operates and exports with every external interface disconnected
- battery management across the two hundred and thirty-seven power provisions of the estate, being the seventy-six unit-level provisions and the one hundred and sixty-one per-machine provisions: annual witnessed capacity measurement at every provision, replacement at the System Integrator's cost of any battery whose measured capacity has fallen below eighty per cent of rating, and re-verification of the runtime obligation after each replacement
- spares logistics to sites with no on-site engineer; service-level measurement and reporting; asset and licence management
- a spares holding and a consumable set (seals, evidence isolation bags, gloves, labels, blank target and archival media, and replacement batteries) for seventy-six standalone units, held within India. The System Integrator determines and states the initial and replenishment quantities of spares and consumables, and holds them so that downtime is minimised. A defective, malfunctioning or broken component is replaced within the time allowed by the service levels at Chapter 13, and the holding is sized so that those times can be met without a fresh procurement

At least one full replacement cycle across the one hundred and sixty-one per-machine power provisions falls within the thirty-six-month operations period. That replacement, the annual capacity testing and the re-verification of runtime after it are obligations of this workstream, priced within it; they are not a variation and no claim arises from them.

Cross-reference. The service catalogue, service levels, severity definitions, the service-credit mechanism and its two non-cumulating caps, warranty terms, asset and licence management, independent audit, and exit and knowledge transfer are at Chapter 13 and Annexure I and are not restated here; they are in scope and priced within this contract. Where this section and Chapter 13 appear to differ, Chapter 13 governs.

Dependencies. Service levels commence unit-wise at site acceptance. Every field measure is taken from the monthly certified return, because no live field figure exists.

Acceptance criteria. Criteria WS13-a to WS13-e at Table 8.18 apply in full.

8.17 Scope demarcation

The Department provides the basic infrastructure at every site: the room and its fabric, air conditioning, lighting, the electricity supply including the dedicated circuits, earthing and protection, and physical security of the premises. The System Integrator provides everything technological placed within that room: the computer systems, the storage and network equipment, the racks, the data and internal power cabling, the power protection provisions, the evidence cabinets and the training-laboratory equipment, and installs, configures and maintains them. Its obligation on environment is to monitor, log and alarm the conditions in the equipment room and the training laboratory, and not to supply cooling plant.

Table 8.17 states that boundary element by element. A dependency the Department owns is verified at site readiness under Chapter 11; its failure defers the affected unit and attracts no damages against the System Integrator. The proof of concept in the table is the pre-award demonstration at Chapter 17, taken after technical qualification and before award by every technically qualified bidder.

Table 8.17: Demarcation between the System Integrator and the Department

Element	System Integrator	Department
The room and its fabric: accommodation, civil works, structural alteration and the fire-safety system	None. Supplies no detection equipment, no suppression provision and no agent, and effects only the detection interlock at IN-05.5 to the fire-safety system the Department provides	Provides at all 76 units
Air conditioning and lighting	Monitors, logs and alarms the temperature and relative humidity of the equipment room and the training laboratory under IN-05. Does not supply cooling plant	Provides and maintains the air conditioning and the lighting at all 76 units
The electricity supply: bulk supply, substation, distribution board, standby generation, a dedicated supply of not less than 3 kVA at a District, 4 kVA at a Commissionerate and 45 kVA at Headquarters, and the dedicated circuits, earthing and protection	None upstream of the laboratory distribution board. No row of the Bill of Materials carries electrical supply works at any unit, and no bidder may price them. Downstream of that board the System Integrator provides the laboratory sub-circuits to each equipment position with residual-current and surge protection, and bonds the delivered racks and equipment to the departmental clean earth, under IN-05.1 and IN-05.2	Provides at all 76 units to the numeric values at Chapter 10, Section 10.5.1, verified at site readiness on row K-D of Annexure H
Everything technological placed within the room: the computer systems, the storage and network equipment, the racks, the data and internal power cabling, the power protection provisions, the evidence cabinets and the training-laboratory equipment	Provides, installs, configures and maintains every one of them at every unit at which Chapter 9 states a quantity, under IN-01 to IN-08 and under every hardware and software identifier of the Bill of Materials	Provides the room, its services, and the circuits and outlets to which they connect
Laboratory endpoints at Headquarters, being departmental desk machines outside the Bill of Materials	Serves them under IN-01 and protects them under IN-07; does not supply them	Provides the machines, on the same footing as the Controlled Internet Zone endpoint, and confirms their presence at site readiness
Internet service at the Controlled Internet Zone	Configures the endpoint	Provides and pays for the service at every unit
The conferencing service by which remote training is delivered, the livestream platform by which a laboratory session is relayed to the field units, and the storage of session recordings and attendance data on Government-controlled infrastructure inside India	Provides, operates and pays for all three, the conferencing service and the storage under WS12 and the livestream platform and its licences within IN-04, for the whole of the term	Approves the service and the platform, and provides the departmental internet service at each unit through which each is reached
Any connectivity between units	Does not provide and may not price	Does not require
Physical security of the premises	None	Provides

Element	System Integrator	Department
Police personnel at the three field duties, and their release for training	None	Posts, releases and certifies
Contracted personnel	Provides 20 posts, at Headquarters only	Approves qualifications against Annexure M
Trainers for the training programme at SV-03	Provides, additional to the 20 posts at MP-01	Approves each trainer against the requirement at Section 8.15
Material for acceptance testing and for the proof of concept	Provides equipment and operators	Supplies the material and publishes the method
Acceptance methods and test plans	Executes	Publishes and owns
Independent audit and programme management support	Cooperates; holds no appointment right	Appoints, administers and pays, outside this contract
Statutory approvals and departmental orders, including publication of the triage standard	None	Issues
Forensic opinions, statutory certificates and report sign-off	Does not sign	Authorised Government officers sign

8.18 What is not within this scope

The matters at Table 2.1 and at Chapter 9, Table 9.10 are outside this programme, not to be priced and not to be assumed. Four bear directly on the workstreams above: no network of any kind between units, SR-1 governing; no integration, interface, data migration or system-to-system linkage with the National Cybercrime Reporting Portal, the Samanvaya Platform or the Crime and Criminal Tracking Network and Systems, officers using those platforms from the Controlled Internet Zone through their existing interfaces; no server instance, consolidation layer, replication or synchronisation mechanism for the Case and Evidence Management System, and no separate server, appliance or dedicated machine on which to run it; and no contracted post at any field unit.

8.19 Consolidated acceptance criteria

Every acceptance criterion of every workstream is at Table 8.18, in one register. Each is objective, verified by a method the Department publishes at Annexure B or Annexure G, and produces retained evidence. No criterion is satisfied by a supplier-provided test method and none is waived by the Programme Management Unit.

Table 8.18: Consolidated acceptance criteria by workstream

#	Criterion	Verified by
WS1-a	Each Headquarters zone and the management domain is separately administered, the Training Zone having no path to any evidential zone	Configuration export and access-control listing per zone; attempted cross-zone connection recorded as refused
WS1-b	Every installed outlet passes a certified link test and is labelled to the as-built schedule	Per-outlet test report and labelling inspection against that schedule
WS1-c	The training laboratory provides thirty working learner endpoints and an instructor endpoint, every one of them fully equipped in hardware and in software and carrying the whole training instance set; the laboratory sustains not fewer than thirty concurrent entitlements of each hands-on licence class, so that the whole batch takes a hands-on module together and no cohort is divided; the thirty training device sets are complete; and the laboratory livestreams a session to a field unit over that unit's Controlled Internet Zone endpoint	Witnessed session with all thirty learner endpoints and the instructor endpoint occupied and operating simultaneously on the theory, demonstration and assessment material; a second witnessed session with all thirty learner endpoints running the training instance of a hands-on class simultaneously, repeated for each hands-on class deployed; entitlement record inspected against the class list; training device sets counted item by item against the published deliverable list at not fewer than 30 portable write blockers, 30 training storage devices and 30 training handsets, each inspected and recorded as holding no evidential data; and a witnessed livestream of a live session received at a field unit, or at a representative endpoint where the Department so directs, with vision, sound and the instructor's screen each observed at the receiving end. Acceptance tests AT-41 and AT-53 at Annexure B are the published methods
WS1-d	The System Integrator monitors, logs and alarms the temperature and relative humidity of the equipment room and the training laboratory against the bands at Chapter 10, Section 10.5.5, IN-04.12 for the training laboratory and Section 10.5.6, IN-05.4 for the equipment room, each being 18 °C to 27 °C and 40 to 60 per cent,	Instrumented measurement at a published grid of points, a witnessed alarm test at each monitored limit and a witnessed interlock test, each recorded on the installation record. No value is accepted on

#	Criterion	Verified by
	and the departmental conditions at Chapter 10, Sections 10.5.5 and 10.5.6 are measured and recorded at acceptance, being the eleven dedicated circuits and their protection, the clean earth and the general illumination; while the System Integrator's own provisions under IN-05 — the laboratory sub-circuits, the equipment bonding, and the task illumination and glare control supplementing the departmental general lighting so that the measured level is not less than 500 lux at examination benches, 300 lux in the general laboratory and training room and 200 lux at the evidence holding zone — are measured and recorded against IN-05.1, IN-05.2 and IN-05.3: dedicated circuits per zone with residual-current and surge protection; a dedicated clean earth of measured resistance not exceeding 1 ohm with neutral-to-earth voltage not exceeding 2 V at full load; illumination not less than 500 lux at examination benches, 300 lux in the general laboratory and training room and 200 lux at the evidence holding zone; and the departmental addressable fire detection and suppression provision, with the detection interlock effected by the System Integrator under IN-05.5 witnessed and recorded	a declaration
WS1-e	Each Headquarters cabinet is anchored, accepts a numbered tamper-evident seal at every sealing point, and its access register is in use	Physical inspection with seal application and register sighting
WS1-f	Each Headquarters power provision sustains not less than 30 minutes at its measured load, the unit-level provision at the connected load it carries and each of the eleven per-machine provisions at the load measured for that machine under the concurrent high-load acceptance test, and each carries the surge-protection rating on the manufacturer's published datasheet	Witnessed discharge test at the measured connected load for the unit-level provision and at each machine running the concurrent high-load workload; the published surge-protection rating inspected on each provision's datasheet
WS2-a	The Evidence Processing Zone at the unit has no path to any network outside itself: no cable, no enabled wireless interface, no common switch port group, no shared storage and no shared account	Documented zone-separation test with port map, interface listing and capture showing no egress
WS2-b	The Controlled Internet Zone is a separate machine or separately connected endpoint and holds no evidential artefact, image, working copy or derived intermediate	Inspection of the endpoint and of its storage against the published check
WS2-c	Every outlet passes a certified link test and is labelled; the switch configuration is exported with unused ports disabled	Per-outlet test report and switch configuration export
WS2-d	No firewall, routing device or tunnelling device is present at the unit	Physical inspection recorded as a nil finding on the installation record
WS2-e	Each field cabinet is anchored, seals at every sealing point, separates cases and carries an access register in use	Physical inspection with seal application and register sighting
WS2-f	An acquisition in progress survives a mains failure at the unit, completing or closing cleanly with the machine shutting down before the battery is exhausted, both provisions sustaining their stated runtimes of not less than 60 minutes at the unit level at the measured residual load and not less than 30 minutes at each machine at the load measured under the concurrent high-load acceptance test, and each carrying the surge-protection rating on the manufacturer's published datasheet	Witnessed mains-interruption test during a live acquisition, with the acquisition log intact, the acquisition hash unchanged and any partial image marked; witnessed discharge tests at the measured loads; the published surge-protection rating inspected on each provision's datasheet
WS3-a	Usable capacity after redundancy is not less than 96 TB and raw provisioning not less than 144 TB	Capacity report from the delivered platform, recorded at acceptance
WS3-b	The platform continues to serve through the concurrent loss of two devices and the rebuild completes	Witnessed device-removal test with rebuild completion record
WS3-c	Immutable log storage is unconditional and configured to the retention period fixed for each log class at Chapter 4, Table 4.8	Witnessed deletion attempt refused and the attempt itself logged
WS3-d	Evidential data is encrypted at rest with keys held by the Department	Configuration export and key-custody record
WS3-e	A full restore completes within the restore times at Chapter 10, Section 10.4.2 (8 working hours for the referral register and the report repository and 72 hours for the referred-exhibit working set) and is hash-verified against the source manifest	Witnessed restore with hash comparison record and elapsed time measured
WS3-f	The recovery-point and recovery-time figures at Chapter 10, Section 10.4.1 are met: recovery-point 4 hours and recovery-time 8 working hours for the referral register and the report repository; recovery-point 24 hours and recovery-time 72 hours for the referred-exhibit working set; and recovery-point nil and recovery-time 24 hours for immutable log storage	Witnessed failover test with measured elapsed times
WS4-a	Hardware-enforced write blocking operates on every acquisition path of every delivered device	Documented write-attempt test producing evidence that no write occurred to the source
WS4-b	Sustained acquisition rate with hashing enabled is not less than the figure fixed at Chapter 10 on each of the two published reference source media: 250 and 120 megabytes per second at the bench imager, 200 and 120 at the acquisition and processing node, and 150 and 100 at the on-scene kit, the last on battery power	Timed acquisition on each Department-supplied reference source medium, measured over the whole acquisition
WS4-c	The acquisition and processing node completes an unattended acquisition, hash, index, processing pass and archival write while that unit's analysis workstation is in interactive use on a different exhibit	Concurrent witnessed run with both machine logs retained
WS4-d	The node enforces authenticated operator identity with per-session logging to tamper-evident local storage	Session log inspection and an attempted unattributed session recorded as refused
WS4-e	The on-scene kit is complete against the published deliverable list and meets the ratings at Chapter 10, Section 10.4.8, being field-computer ingress protection not	Item-by-item check against the deliverable list; ingress and operating ratings taken from the

#	Criterion	Verified by
	less than IP54, a transit case not less than IP65, operation across 0 °C to 45 °C at up to 90 per cent relative humidity and battery endurance not less than 6 hours of continuous acquisition at the full acquisition load, and its evidence isolation bag prevents a handset inside it from holding network attachment	manufacturer's published rating for the delivered item; one witnessed transit check in which the packed kit is carried over a stated route, then unpacked, powered and shown to function; a witnessed battery-endurance run at the full acquisition load; and a witnessed check in which a live handset holding network attachment is placed in the bag and the loss of attachment observed and logged. A declaration is not accepted in place of a witnessed check
WS4-f	Output is produced in an open container and in raw form, with a complete acquisition log	Output inspection; log fields checked for operator, timestamps, source identifiers, tool and firmware version and hashes
WS5-a	Each delivered machine meets the configuration floors for its class, being not fewer than 24 physical cores, 256 GB of error-correcting memory, 24 GB of dedicated graphics memory and 4 TB of solid-state scratch at laboratory grade and not fewer than 16 cores, 128 GB, 16 GB and 2 TB at field grade, and meets or exceeds the stated score on the published supplier-independent multi-threaded benchmark at Chapter 10, Section 10.4.3	Configuration report and benchmark run on the delivered machine, both recorded
WS5-b	Usable case storage after redundancy is not less than 16 TB at a District and 32 TB at a Commissionerate, mirrored, raw not less than double. No case store is delivered on the laboratory-grade workstation, whose case data is held on the Headquarters platform	Capacity report from the delivered machine; configuration inspection at Headquarters
WS5-c	Integrated or bundled hardware write blocking operates on every acquisition path at field grade	Documented write-attempt test producing evidence that no write occurred to the source
WS5-d	Every delivered machine passes the concurrent high-load acceptance test at Chapter 10, Table 10.17 in full, running the whole software set of its tier simultaneously on Department-supplied material, with every pass condition at Chapter 10, CHL-17 within its stated limit and every recorded quantity taken and retained	Full instrument record retained with that machine's installation record. Every pass condition at CHL-17 must be satisfied; no partial pass is available and no pass condition is waived, and a machine on which any of the recorded quantities at CHL-7, CHL-13 and CHL-15 is not taken and retained is not accepted
WS5-e	Hardening, audit logging and removable-media control are in force, and the machine holds no path outside the Evidence Processing Zone	Hardening checklist, audit-log sample and interface listing
WS5-f	The count accepted reconciles to eleven at Headquarters, two at each Commissionerate and one at each District	Serial-number register reconciled unit by unit against Annexure A
WS6-a	Not fewer than two concurrent processing sessions on the host suite and three concurrent device acquisitions on the mobile suite operate at the deploying unit, by any licensing mechanism and at no additional charge during the term	Witnessed concurrent run at the unit; licence entitlement record inspected
WS6-b	Offline activation succeeds and the item operates without online re-validation, updates importing by the removable-media crossing procedure	Activation and operation with the Controlled Internet Zone disconnected; update import witnessed and logged in the crossing register
WS6-c	The telecom analyser ingests the published operator-format sample sets and produces correlation, timeline and cell-site plots and open-format export	Run on Department-supplied sample sets with output compared against the known answer
WS6-d	The bounded-triage function produces a hashed, case-bound triage package and a summary stating what was searched, what was found and what was not	Run on Department-supplied material; package hash verified and summary fields checked
WS6-e	The mobile cable, adapter and power kit is delivered complete at every deploying unit	Item-by-item check against the published kit list per unit
WS6-f	The tool-validation dossier reproduces its stated results on the known-answer dataset	Independent re-run of the dossier's cases on Department-supplied material
WS7-a	Each Headquarters capability performs its published test case on Department-supplied material and produces the stated output	Witnessed execution against the published expected result
WS7-b	Each authorisation-gated item refuses to proceed unless the written approval of the authorised officer is recorded in the authorisation register, and writes a per-attempt audit entry where it does proceed	Negative test with no register entry; positive test with the entry made, and inspection of the audit record produced
WS7-c	Processing occurs on Government-controlled infrastructure inside India	Configuration export and network capture showing no egress of evidential content
WS7-d	The online and anonymised-network item operates under managed non-attributable egress with no path to any evidence-processing system	Egress path demonstration and interface listing on the isolated segment
WS7-e	The delivered item meets the attribution-dataset scale and refresh cadence declared in the bid, and its published risk-scoring and authenticity methodologies produce on Department-supplied material the behaviour those methodologies state	Declared scale and cadence tested against the seeded transaction path in the published case; methodology tested against the published false-positive and false-negative behaviour, with the result recorded
WS7-f	The media items reproduce their result from the original with the processing chain recorded	Re-run from the original exhibit with operation log compared
WS7-g	No Headquarters item requires a connection to any field unit in order to function	Operation demonstrated with no external

#	Criterion	Verified by
		interface enabled
WS8-a	An instance is installed and operating at the unit	Site inspection and register initialisation record
WS8-b	The instance operates with no connection to any other unit, and no server, consolidation, replication or synchronisation function exists or can be configured in the delivered build	Interface listing, outbound-traffic capture and configuration inspection
WS8-c	Every column set published at Annexure D is present as a field and populated	Test case entered end to end and the resulting record inspected field by field
WS8-d	The system issues the case and exhibit identifiers itself, maker-checker is enforced on every evidentiary action, and the audit log and the custody ledger refuse deletion and editing	Attempted typing of an identifier refused; attempted self-approval refused; attempted log and custody deletion refused and each itself recorded
WS8-e	The Headquarters instance offers no case-registration function and opens a referral entry only against originating identifiers	Configuration inspection and attempted case registration recorded as unavailable
WS8-f	The monthly return is produced from the system's own records in the published format without manual re-entry	Return generated from test data and compared with the Annexure E format
WS8-g	The court-file export is readable in open formats, with hashes and manifests, without the supplier's software	Export opened on an independent machine and hash-verified
WS9-a	Nine posts are filled from programme month 6 and all twenty from programme month 16 and held to programme month 52, each against the floors at Annexure M, with background verification complete before deployment, and eleven are examining posts	Documentary verification of each post-holder against the deployment record and the mobilisation dates, and of the monthly establishment return against the engagement of 810 post-months
WS9-b	Bilingual capability with Hindi is held by every training-delivering and desk-facing post	Language assessment record per post
WS9-c	The support desk operates on all published channels and meets the acknowledgement target	Witnessed sample of requests across every channel with ticket timestamps
WS9-d	No support-desk account holds credentials to any evidence-processing system at any field unit	Access-control listing at a sample of field units
WS9-e	The monthly reporting pack is delivered in the published format	Inspection of the first pack against the published contents
WS10-a	The programme management plan and unit-level integrated schedule are submitted within fourteen days of the notice to proceed	Submission record and acceptance minute of the Programme Management Unit
WS10-b	Risk and issue registers are current at every monthly review, each open risk carrying its numeric trigger	Register version history compared with the review minutes
WS10-c	Every change is processed in its correct class, by the named approving authority, within the maximum decision time	Change log audited against the classes and decision times at Chapter 11
WS10-d	The controlled document register reconciles to every deliverable named in this chapter	Register compared line by line with the deliverables of WS1 to WS13
WS10-e	The as-built set for a unit is complete before that unit's site acceptance is signed	Document check performed as a precondition of the site acceptance certificate
WS10-f	Every software item delivered at every unit installs, activates, operates, reports and exports with every external interface disconnected; the entitlement carries no expiry date, time-limited key, reactivation requirement or dependency on a supplier-hosted service; and the principal's written undertaking under rule SR-13 is held for every item	Disconnected-operation demonstration at the unit; entitlement artefact inspected; outbound-traffic capture showing no entitlement communication; undertakings reconciled against the item list in the controlled document register
WS11-a	Every unit has a completed site-readiness record dated not less than sixty days before its deployment	Joint verification record per unit against Annexure H
WS11-b	Every unit has passed pre-dispatch inspection, delivery inspection, installation and configuration verification, and site acceptance	Retained record per stage per unit under Chapter 18
WS11-c	Every wave has closed on a wave acceptance certificate, and none on an audit, review or opinion this Request for Proposal does not define	Certificate register inspected against the wave composition at Chapter 11
WS11-d	Every delivered item is new, unused, of current production and not end-of-sale or end-of-life at bid date	Serial-number verification and the supplier undertaking at pre-dispatch inspection
WS11-e	Non-conformances are closed within the published clocks, minor within seven and major within twenty-one working days	Non-conformance register with raised and closed dates
WS11-f	Final commissioning is certified across all seventy-six units	Final commissioning certificate reconciled unit by unit against Annexure A and item by item against the Bill of Materials at Chapter 9
WS12-a	82 officers have completed the in-person core course and the train-the-trainer track and been certified	Attendance record, assessment result and certificate per officer
WS12-b	375 officers have completed the remote secondary track with a written assessment and a local practical countersigned by the Unit In-charge	Attendance verification record, assessment result and countersigned practical per officer
WS12-c	The initial programme completed within eight months of the commissioning of the training laboratory, in three batches of 28, 27 and 27 of 19 delivery days each together with the 15-day Headquarters cadre course, being 72 delivery days in all,	Batch delivery dates and the delivery-day record compared with the laboratory acceptance date

#	Criterion	Verified by
	no batch exceeding thirty learner positions	
WS12-d	No unit was commissioned whose in-person-trained examiner had not completed the core course not later than thirty days earlier	Training record checked as a precondition of each commissioning certificate
WS12-e	Every batch met the published pass percentage, with one re-run per failed batch at the System Integrator's cost, and three in-person intake weeks are delivered in each contract year of the sustaining programme	Batch result sheets, the re-run record and the intake-week schedule against the delivery record
WS12-f	Cascade completion is reported for every field unit	The cascade line of the monthly certified return, with the countersigned practical held at the unit
WS12-g	75 Unit In-charge places and 150 Custodian places have completed their tracks and been certified, and each of the 20 contracted specialist posts has completed the Headquarters Cadre Course against the qualification matrix at Annexure M: the nine posts of the early tranche at Annexure M, Table M.4, mobilised at programme month 6, on the delivery at programme month 7 while in post; and the eleven posts of the operations tranche on that same delivery, certification on it being a condition of their taking up duty at programme month 16. Background verification is complete before deployment for every post without exception	Attendance verification record, assessment result and certificate per place and per post, reconciled against Table J.12, Annexure M, Table M.4 and the mobilisation dates at Section 8.12
WS13-a	The spares holding and the consumable set are held within India at the quantities the System Integrator stated in its bid, and a defective, malfunctioning or broken component is replaced within the time allowed by the service levels at Chapter 13 without a fresh procurement	Stock verification at final commissioning and annually thereafter against the stated quantities, a witnessed despatch test to a unit carrying no on-site engineer, and replacement times taken from the ticket record and compared with the service levels
WS13-b	Preventive-maintenance visits are performed to schedule at all seventy-six units, and battery capacity is measured annually at every one of the 237 power provisions, any battery below 80 per cent of rated capacity being replaced at the System Integrator's cost and the runtime obligation re-verified after replacement	Signed visit record per unit compared with the published schedule; annual capacity test and every replacement recorded on each provision's maintenance record
WS13-c	Patch and vulnerability management is performed at field units without breaching zone separation, and the annual re-verification that every software item still installs, operates, reports and exports with every external interface disconnected is performed at every unit and recorded	Entries in the removable-media crossing register matched to the patch record; the annual disconnected-operation record inspected per unit against the software item list in the controlled document register
WS13-d	Service-level reporting is produced monthly against the definitions at Annexure I, together with the open-defect register for every software item, and every defect is corrected within the clocks at rule SR-14 at no cost to the Department	Monthly report compared with ticket data and the certified returns; open-defect register audited against the Department's reports and the resolution clocks
WS13-e	Exit and knowledge-transfer artefacts, including the written evidence-custody continuity plan, are delivered before the end of the operations period	Document check against the exit obligations at Chapter 13

8.20 Payment milestone structure

The milestone structure is stated as percentages only. No monetary value appears against any milestone and none is to be inferred; the commercial framework, price basis, tax basis, retention and defect liability are at Chapter 14. The percentages at Table 8.19 apply to the contract value attributable to the capability items and implementation for the units concerned, determined from the item-wise schedule the successful bidder submits before signature.

Table 8.19: Payment milestone structure, expressed as percentages

#	Milestone	Basis of measurement and release	Percentage
M1	Mobilisation	No advance is payable on any account	0%
M2	Delivery at the unit and delivery inspection passed	Per unit, on the delivery inspection record for that unit, closed under Chapter 18, Stage B, invoiced in batches of not fewer than ten units or, where the wave holds fewer than ten, on completion of delivery inspection across that wave, against a bank guarantee equal to the amount released and valid until final commissioning	50%
M3	Installation, configuration verification and site acceptance	Per unit, on the site acceptance certificate issued under Chapter 18	25%
M4	Wave acceptance	Per wave, on the wave acceptance certificate for the wave in which the unit falls	15%
M5	Final commissioning	On the final commissioning certificate across all 76 units, which also releases the delivery-stage guarantees	10%

Four rules govern the structure. First, the recurring services are paid monthly in arrears against a certified monthly service report, subject to the service-credit mechanism at Chapter 13. Operations, maintenance and support (SV-02) and spares and consumables (SV-04) commence unit-wise at that unit's site acceptance. The

Headquarters specialist cadre (MP-01) commences on the mobilisation dates at Annexure M, Table M.4. Training delivery (SV-03) commences at the training-laboratory acceptance certificate and is invoiced against delivery: the initial programme in eight equal monthly instalments across programme months 5 to 12 against the batch and cohort delivery record for the month, and the sustaining programme monthly thereafter to the close of the operations period. Second, every gate above against which a percentage is released is a named certificate or gating record defined at Chapter 18, Table 18.10 and issued against a published test, and no payment is gated on an audit, review or opinion this Request for Proposal does not define. M1 releases nothing and carries no certificate. Third, acceptance and payment proceed wave by wave, and no tranche other than M5 turns on the state of a unit outside the batch or wave invoiced. Fourth, where a unit is deferred because the Department certified it not ready, that deferral neither defers nor reduces payment for units already accepted, and it tolls the System Integrator's obligations for the affected unit.

Chapter 9: Bill of Materials

9.1 Standing of this chapter and the rule that governs it

This chapter is the authoritative procurement inventory. Every item the Department procures appears here once, under one identifier, with one quantity. Chapters 8, 10, 11 and 18 and every annexure carrying an item identifier take their quantities from here and no other source; where any other chapter, annexure, table or figure differs, this chapter governs.

No pricing is to be inferred, derived or back-calculated from any quantity, grouping, sequence or emphasis in this chapter. The item-wise schedule of rates the successful bidder submits before signature is the rate basis for every variation under Chapter 14.

The estate. One Headquarters, seven Commissionerates and sixty-eight Districts, seventy-six units in all, of which the seventy-five field units register cases and acquire evidence directly; every quantity in this Request for Proposal reconciles to that composition. There are three tiers and no others, and no item is procured for, offered at or priced against any body outside these seventy-six units.

The composition of the Bill. Thirty-five rows: twenty-nine capability items, being thirteen software, seven hardware, eight infrastructure and one manpower item; five service heads; and one reserve line. Twenty-eight capability items are deployed at units and counted in units of equipment or entitlement; the twenty-ninth, the Headquarters specialist cadre, is counted in posts.

9.2 The governing rules of the Bill of Materials

The rules at Table 9.1 apply to every row and are not repeated against individual items. Where a rule and a schedule entry appear to differ, the rule governs.

Table 9.1: Governing rules of the Bill of Materials

#	Rule
BM-1	This Bill carries quantities only. It contains no rate, no unit cost, no extended value, no subtotal and no monetary figure of any kind. Cost estimates are maintained in a separate document that does not form part of this Request for Proposal. No pricing is to be inferred from any quantity or grouping in this chapter
BM-2	Item identifiers are stable. An identifier is never reused, never renumbered and never retired into another. The identifier is the reference key across the scope of work, the technical requirements, the acceptance test plan, the proof-of-concept library and every annexure that carries an item
BM-3	One capability is procured once. No capability appears twice: not under a second label, not at a second tier, not inside a composite item and not as an accessory to another item. A bid that offers the same capability against two identifiers is to that extent non-responsive
BM-4	Quantities are firm. Each line is subject to variation of up to twenty-five per cent of the quantity stated, at the Department's option, exercised at the item-wise schedule of rates the successful bidder submits before signature under Chapter 14. No other variation mechanism exists
BM-5	A commercial, product, brand, model or organisation name appears against an item only as an indicative baseline or as a member of an enumerated minimum, under the rule on indicative products and equivalence at Chapter 10, Section 10.1, and never as the requirement itself. Capability is stated as function, throughput and outcome, verified by a published test. A bidder names in its compliance statement the product it offers and, where that product differs from one named at Chapter 10, the basis of its equivalence; equivalence is determined against the measurable floor published for that requirement and against nothing else, and an offer equivalent to or better than the product named is a complied entry
BM-6	Every identifier in this Bill appears in at least one acceptance-test row at Annexure B, and every identifier gated at the proof of concept appears in at least one test case at Annexure F. The proof of concept is taken before award, after technical qualification, by every bidder that qualifies on the technical criteria. There is no item without a test and no test without an item
BM-7	The tiers are three: Headquarters, Commissionerate and District. An item is delivered only at a tier against which this Bill states a quantity. Where the quantity at a tier is nil, the item is not offered, not delivered and not priced at that tier
BM-8	Table 9.3 is exhaustive. An item that does not appear on it is not procured under this contract, is not delivered and is not to be priced. Section 9.9 states the principal matters a bidder might otherwise assume
BM-9	The capital or operating classification denotes the character of the deliverable and not the profile of an obligation. Where a capital item carries a warranty, support, update, entitlement or battery-replacement obligation running for the operations period, that obligation forms part of the item and is not a separate row
BM-10	An item delivered at more than one grade is one item and one row, not two. The grade held at each tier is stated in the tier schedules and specified side by side in a single block at Chapter 10
BM-11	Units of measure are: each, for a capability item deployed at a unit; post, for the Headquarters specialist cadre; and lot, for a service head and for the reserve. A lot is a single indivisible obligation across the whole estate and is not decomposed into per-unit lines
BM-12	Every multi-tier quantity reconciles to one Headquarters, seven Commissionerates and sixty-eight Districts. The reconciliation is

#	Rule
	published item by item at Table 9.7 and is a condition of the Bill, not a commentary on it

9.3 How the Bill is read

Table 9.2 defines each column.

Table 9.2: Definition of the columns of the Bill

Column	Definition
Identifier	The stable key for the item, in the form SW-nn software, HW-nn hardware, IN-nn infrastructure, SV-nn service, MP-01 manpower and RS-01 reserve
Item	The name of the item. Where an item is delivered at more than one grade, both grades are named and the grade held at each tier is stated in the tier schedules
Category	Software, hardware, infrastructure, service, manpower or reserve
Capital or operating	Capital denotes a deliverable acquired once and held thereafter as an asset of the programme, including the implementation and commissioning effort that brings those assets into service. Operating denotes an obligation performed continuously across the thirty-six-month operations period. Provision denotes a ring-fenced allowance. The classification carries no value and implies none
Quantity	The total quantity procured across the estate, in the unit of measure at rule BM-11. The distribution of that total across the three tiers is at Tables 9.4 to 9.7
Workstream	The workstream of Chapter 8 under which the item is delivered. Three infrastructure identifiers are delivered under two workstreams, their Headquarters quantity under one and their field-unit quantity under the other
Scope reference	The section of Chapter 8 at which the delivery obligation, deliverables, dependencies and acceptance criteria for the item are stated
Workflow identifiers	The operating-phase workflows of Chapter 7, Table 7.2, that the item enables. An entry of "None" denotes an item that equips, implements or sustains the estate rather than executing a case workflow of its own
Technical requirement	The section of Chapter 10 at which the item's specification block is placed. Every block additionally carries the item identifier in its heading, so that a reference resolves by identifier as well as by section number

9.4 The Bill of Materials

Table 9.3 is the Bill itself, reproduced in no other place.

Table 9.3: Bill of Materials, the governing item schedule

Identifier	Item	Category	Capital or operating	Quantity	Workstream	Scope reference	Workflow identifiers	Technical requirement
SW-01	Computer Forensic Analysis Suite, laboratory grade and field grade	Software	Capital	79	WS 6	8.9	WF-03 to WF-07, WF-10, WF-19	10.3.3
SW-02	Alternative-Platform Acquisition and Volume-Decryption Utility	Software	Capital	1	WS 7	8.10	WF-04, WF-10	10.3.4
SW-03	Mobile Forensic Acquisition and Analysis Suite, laboratory grade and field grade	Software	Capital	83	WS 6	8.9	WF-03 to WF-06, WF-10, WF-19	10.3.5
SW-04	Authorisation-Gated Advanced Access Capability	Software	Capital	1	WS 7	8.10	WF-11	10.3.6
SW-05	Lawful Cloud and Account Acquisition Module	Software	Capital	1	WS 7	8.10	WF-11	10.3.7
SW-06	Central Telecom Analytics Platform	Software	Capital	1	WS 7	8.10	WF-05, WF-10	10.3.8
SW-07	Field Telecom Record Analyser	Software	Capital	75	WS 6	8.9	WF-05, WF-06	10.3.9
SW-08	Online and Anonymised-Network Investigation Platform	Software	Capital	1	WS 7	8.10	WF-10	10.3.10
SW-09	Virtual-Asset and Distributed-Ledger Analytics	Software	Capital	1	WS 7	8.10	WF-10	10.3.11
SW-	Forensic Media Processing and Playback	Software	Capital	1	WS	8.10	WF-05, WF-10	10.3.1

Identifier	Item	Category	Capital or operating	Quantity	Workstream	Scope reference	Workflow identifiers	Technical requirement
10					7			2
SW-11	Media Authenticity and Synthetic-Media Analysis	Software	Capital	1	WS 7	8.10	WF-10	10.3.13
SW-12	Case and Evidence Management System, unit-local and standalone	Software	Capital	76	WS 8	8.11	WF-01 to WF-14, WF-16 to WF-19	10.3.14
SW-13	Authorisation-Gated Credential Recovery	Software	Capital	1	WS 7	8.10	WF-11	10.3.15
HW-01	Headquarters Forensic Compute and Storage Platform	Hardware	Capital	1	WS 3	8.6	WF-04, WF-05, WF-10, WF-11	10.4.1
HW-02	Headquarters Backup and Archive Tier	Hardware	Capital	1	WS 3	8.6	WF-10, WF-18	10.4.2
HW-03	Forensic Analysis Workstation, laboratory grade	Hardware	Capital	11	WS 5	8.8	WF-04, WF-05, WF-10, WF-11	10.4.4
HW-04	Forensic Analysis Workstation, field grade	Hardware	Capital	82	WS 5	8.8	WF-04 to WF-07, WF-09	10.4.5
HW-05	Acquisition and Processing Node, field grade	Hardware	Capital	68	WS 4	8.7	WF-04 to WF-07, WF-09	10.4.6
HW-06	Hardware Forensic Imager	Hardware	Capital	8	WS 4	8.7	WF-04, WF-10	10.4.7
HW-07	On-scene Response Kit	Hardware	Capital	75	WS 4	8.7	WF-03	10.4.8
IN-01	Headquarters Network Zoning and Switching	Infrastructure	Capital	1	WS 1	8.4	WF-11, WF-14	10.5.2
IN-02	Headquarters Structured Cabling, Racks and Passive	Infrastructure	Capital	1	WS 1	8.4	None	10.5.3
IN-03	Field-Unit Local Cabling and Switching	Infrastructure	Capital	75	WS 2	8.5	WF-14 to WF-17	10.5.4
IN-04	Training Laboratory (30-position)	Infrastructure	Capital	1	WS 1	8.4	None	10.5.5
IN-05	Headquarters Electrical, Environmental and Laboratory Furnishing	Infrastructure	Capital	1	WS 1	8.4	None	10.5.6
IN-06	Evidence Storage Cabinet	Infrastructure	Capital	161	WS 1, WS 2	8.4, 8.5	WF-01, WF-07, WF-09, WF-12, WF-16, WF-18, WF-19	10.5.7
IN-07	Uninterruptible Power Supply, unit level	Infrastructure	Capital	76	WS 1, WS 2	8.4, 8.5	WF-04	10.5.8
IN-08	Workstation Uninterruptible Power Supply	Infrastructure	Capital	161	WS 1, WS 2	8.4, 8.5	WF-04	10.5.9
SV-01	Implementation, Rollout and Site Commissioning	Service	Capital	1 lot	WS 10, WS 11	8.13, 8.14	None	10.7.2
SV-02	Operations, Maintenance and Support, 36 months	Service	Operating	1 lot	WS 13	8.16	WF-15, WF-16	10.7.3
SV-03	Training Delivery, 36 months, two modes, bilingual	Service	Operating	1 lot	WS 12	8.15	None	10.7.4
SV-04	Spares and Consumables, 36 months	Service	Operating	1 lot	WS 13	8.16	WF-01, WF-03, WF-07, WF-09, WF-12, WF-14 to WF-16, WF-18	10.7.5
SV-05	Independent Audit and Programme Management Support, 36 months	Service	Operating	1 lot	None	8.3	None	10.7.6
MP-01	Headquarters Specialist Cadre, to the close of the operations period	Manpower	Operating	20 posts	WS 9	8.12	WF-10, WF-11, WF-15, WF-17	10.6
RS-	Technology-Refresh and Extended-Warranty Reserve	Reserve	Provisio	1	Non	8.3	None	10.8

Identifier	Item	Category	Capital or operating	Quantity	Workstream	Scope reference	Workflow identifiers	Technical requirement
01			n	lot	e			

Neither of the two rows that carry no workstream is a scope obligation of the System Integrator: the audit engagement is appointed, administered and paid by the Department outside this contract, and the reserve is drawn only on written departmental approval and is not work the System Integrator may plan, schedule or invoice against. Chapter 8, Table 8.2 records both.

The seven rows carrying no workflow identifier equip, deliver and sustain the estate rather than execute a case workflow. Each is traced through Chapters 8 and 10, Annexure B and, for a service, Chapter 13.

Four sections of Chapter 10 carry no identifier, each stating matter common to more than one item: 10.2.2 the software licensing and continuity clause and 10.2.3 the software quality and defect-liability clause, both binding every software item in this Bill without exception; 10.4.3 the three machine classes side by side and the concurrent high-load acceptance test that proves each; and 10.5.1 the electrical load of each machine class and tier, from which the site-readiness supply figures and both power provisions are sized. A reference to an item's block is a reference to those sections as well.

9.5 Headquarters schedule: 1 unit

Headquarters holds the analytical capability set, the authorisation-gated capabilities, the training laboratory and the specialist cadre. It registers no case, takes no intake and mounts no scene response, so no quantity is stated against the on-scene response kit.

Table 9.4: Headquarters schedule

Identifier	Item	Grade or configuration	Quantity
HW-01	Headquarters Forensic Compute and Storage Platform	Usable capacity not less than 96 TB; raw provisioning not less than 144 TB	1
HW-02	Headquarters Backup and Archive Tier	Local secondary copy and removable archival media	1
HW-03	Forensic Analysis Workstation, laboratory grade	One for each examining post. Case data held on HW-01 and no case store on the workstation; acquisition performed on the dedicated bench device. The nine posts that do not examine work at the laboratory endpoints, which are departmental machines outside this Bill, on the same footing as the Controlled Internet Zone endpoint, served by IN-01 and protected by IN-07	11
HW-06	Hardware Forensic Imager	Bench duplicator	1
SW-01	Computer Forensic Analysis Suite	Laboratory grade	4
SW-02	Alternative-Platform Acquisition and Volume-Decryption Utility	Single grade	1
SW-03	Mobile Forensic Acquisition and Analysis Suite	Laboratory grade	1
SW-04	Authorisation-Gated Advanced Access Capability	Headquarters only	1
SW-05	Lawful Cloud and Account Acquisition Module	Headquarters only	1
SW-06	Central Telecom Analytics Platform	Multi-operator and cross-case	1
SW-08	Online and Anonymised-Network Investigation Platform	Managed non-attributable egress	1
SW-09	Virtual-Asset and Distributed-Ledger	Single grade	1

Identifier	Item	Grade or configuration	Quantity
	Analytics		
SW-10	Forensic Media Processing and Playback	Single grade	1
SW-11	Media Authenticity and Synthetic-Media Analysis	Single grade	1
SW-12	Case and Evidence Management System	Configured as the referral register	1
SW-13	Authorisation-Gated Credential Recovery	Headquarters only	1
IN-01	Headquarters Network Zoning and Switching	Five zones and the out-of-band management domain	1
IN-02	Headquarters Structured Cabling, Racks and Passive	Tested and labelled, with test reports	1
IN-04	Training Laboratory (30-position)	Thirty learner endpoints and an instructor endpoint, every one of them fully equipped in hardware and in software and carrying the whole training instance set; not fewer than thirty concurrent entitlements of every hands-on licence class, so that all thirty learners may be in any one tool at the same moment and no cohort is divided to deliver a hands-on module; thirty training device sets, being not fewer than 30 portable write blockers, 30 training storage devices and 30 training handsets with their cable, adapter and card sets; one training network with one instruction point; and the livestream platform and its licences for the full contract term. Every one of these is a component of this single laboratory, additional to every operational entitlement in this Bill, and none is deployed at, offered at or priced for any field unit	1
IN-05	Headquarters Electrical, Environmental and Laboratory Furnishing	Internal power distribution and cabling within the laboratory; monitoring, logging and alarming of temperature and relative humidity in the equipment room and the training laboratory; laboratory and training furnishing	1
IN-06	Evidence Storage Cabinet	Referred-exhibit holding	4
IN-07	Uninterruptible Power Supply, unit level	Covers the compute and storage platform, the backup tier, the zoning and switching provision, the training laboratory and the laboratory endpoints, with monitoring	1
IN-08	Workstation Uninterruptible Power Supply	One at each laboratory-grade workstation, at not less than 1.5 kVA, sustaining not less than 30 minutes at that machine's measured sustained load	11
MP-01	Headquarters Specialist Cadre	Twenty posts, of which eleven examine	20 posts

The Headquarters package comprises forty-nine units of capability items and the twenty posts of the specialist cadre. The three authorisation-gated capabilities at SW-04, SW-05 and SW-13 exist here and nowhere else, under one authorisation register and one audit trail, their exercise recorded case by case.

The components of the training laboratory are counted within IN-04 and nowhere else. The thirty fully equipped learner endpoints and the instructor endpoint, the thirty concurrent entitlements of each hands-on licence class, the thirty training device sets and the livestream platform and its licences are all elements of the one laboratory at IN-04, whose quantity is one and remains one. They are training items at Headquarters alone: they are additional to every operational entitlement in this Bill under rule SR-5 of Chapter 8, they hold no evidential data, they serve no field unit, and they carry no quantity at any other tier. Because they sit inside a single row of quantity one, they alter no total in this chapter: the estate remains seventy-six units, being one Headquarters, seven Commissionerates and sixty-eight Districts; the capability items deployed at units remain forty-nine at Headquarters, one hundred and twelve across the Commissionerates and eight hundred and eighty-four across the Districts, one thousand and forty-five in all; the per-machine power provisions remain one hundred and sixty-one and the provisions of the estate two hundred and thirty-seven; and no field-unit quantity is touched. The livestream platform is placed here, within IN-04, and not within the training-delivery service head at SV-03, because it is laboratory equipment supplied once and installed with the laboratory, and IN-04 already carries the laboratory's own network and its endpoints; SV-03 carries the delivery of training over it, and the two are not to be priced twice.

9.6 Commissionerate schedule: 7 units

A Commissionerate is a self-sufficient laboratory at laboratory grade on host forensics, with two examination seats, registering its own cases, acquiring evidence directly and escalating only to Headquarters or out of the programme.

Table 9.5: Commissionerate schedule

Identifier	Item	Grade or configuration	Quantity per unit	Units	Total
HW-04	Forensic Analysis Workstation, field grade	The unit's case store, not less than 32 TB usable, mirrored, raw not less than 64 TB, across the two workstations together	2	7	14
HW-06	Hardware Forensic Imager	Bench duplicator, with removable archival media writing and read-back hash verification at a Commissionerate	1	7	7
HW-07	On-scene Response Kit	Portable acquisition set	1	7	7
SW-01	Computer Forensic Analysis Suite	Laboratory grade	1	7	7
SW-03	Mobile Forensic Acquisition and Analysis Suite	Field grade, two seats	2	7	14
SW-07	Field Telecom Record Analyser	Bounded case datasets	1	7	7
SW-12	Case and Evidence Management System	Unit-local and standalone	1	7	7
IN-03	Field-Unit Local Cabling and Switching	Sized to the unit's own procured endpoints	1	7	7
IN-06	Evidence Storage Cabinet	Exhibit holding and case separation	3	7	21
IN-07	Uninterruptible Power Supply, unit level	Covers local switching, the Controlled Internet Zone endpoint, on-scene kit charging, evidence-holding-area lighting and the bench imager	1	7	7
IN-08	Workstation Uninterruptible Power Supply	One at each analysis workstation, at not less than 1.0 kVA, sustaining not less than 30 minutes at that machine's measured sustained load	2	7	14

Each Commissionerate receives sixteen units of capability items, one hundred and twelve across the seven. Trained establishment is two officers trained in person as primary examiners and five trained remotely as secondary examiners.

9.7 District schedule: 68 units

A District is a self-sufficient first-line laboratory at field grade for the dominant caseload, registering its own cases, acquiring evidence directly and escalating only to Headquarters or out of the programme.

Table 9.6: District schedule

Identifier	Item	Grade or configuration	Quantity per unit	Units	Total
HW-04	Forensic Analysis Workstation, field grade	Usable case storage not less than 16 TB, mirrored; raw not less than 32 TB	1	68	68
HW-05	Acquisition and Processing Node, field grade	Unattended acquisition, hashing, indexing, processing and archival writing, with its own acquisition target store	1	68	68
HW-07	On-scene Response Kit	Portable acquisition set	1	68	68
SW-01	Computer Forensic Analysis Suite	Field grade	1	68	68
SW-03	Mobile Forensic Acquisition and Analysis Suite	Field grade	1	68	68
SW-07	Field Telecom Record Analyser	Bounded case datasets	1	68	68
SW-12	Case and Evidence Management System	Unit-local and standalone	1	68	68
IN-03	Field-Unit Local Cabling and Switching	Sized to the unit's own procured endpoints	1	68	68

Identifier	Item	Grade or configuration	Quantity per unit	Units	Total
IN-06	Evidence Storage Cabinet	Exhibit holding and case separation	2	68	136
IN-07	Uninterruptible Power Supply, unit level	Covers local switching, the Controlled Internet Zone endpoint, on-scene kit charging and evidence-holding-area lighting	1	68	68
IN-08	Workstation Uninterruptible Power Supply	One at the analysis workstation at not less than 1.0 kVA and one at the acquisition and processing node at not less than 0.6 kVA, each sustaining not less than 30 minutes at that machine's measured sustained load	2	68	136

Each District receives thirteen units of capability items, eight hundred and eighty-four across the sixty-eight. Trained establishment is one officer trained in person as the primary examiner and five trained remotely as secondary examiners.

Over and above a District, a Commissionerate holds a second analysis workstation with twice the contractual case storage, a bench hardware duplicator, a host-forensics entitlement at laboratory grade rather than field grade, a second mobile acquisition and analysis seat, one further evidence cabinet, and cabling and power sized to the larger endpoint set; the acquisition and processing node is a District item alone. Both per-machine power provisions at a Commissionerate protect analysis workstations; at a District one protects the analysis workstation and one the acquisition and processing node, which is why the two tiers carry the same count at different ratings. No distinction between the field tiers is asserted that the quantities above do not carry.

9.8 Consolidated quantity summary and reconciliation

Table 9.7 reconciles every deployed capability item to one Headquarters, seven Commissionerates and sixty-eight Districts, the arithmetic on which delivery, inspection, milestone payment and acceptance depend.

Table 9.7: Quantity reconciliation by identifier

Identifier	Headquarters, 1 unit	Commissionerates, 7 units	Districts, 68 units	Total
SW-01	4 × 1 = 4	1 × 7 = 7	1 × 68 = 68	79
SW-02	1 × 1 = 1	nil	nil	1
SW-03	1 × 1 = 1	2 × 7 = 14	1 × 68 = 68	83
SW-04	1 × 1 = 1	nil	nil	1
SW-05	1 × 1 = 1	nil	nil	1
SW-06	1 × 1 = 1	nil	nil	1
SW-07	nil	1 × 7 = 7	1 × 68 = 68	75
SW-08	1 × 1 = 1	nil	nil	1
SW-09	1 × 1 = 1	nil	nil	1
SW-10	1 × 1 = 1	nil	nil	1
SW-11	1 × 1 = 1	nil	nil	1
SW-12	1 × 1 = 1	1 × 7 = 7	1 × 68 = 68	76
SW-13	1 × 1 = 1	nil	nil	1
HW-01	1 × 1 = 1	nil	nil	1
HW-02	1 × 1 = 1	nil	nil	1
HW-03	11 × 1 = 11	nil	nil	11
HW-04	nil	2 × 7 = 14	1 × 68 = 68	82
HW-05	nil	nil	1 × 68 = 68	68
HW-06	1 × 1 = 1	1 × 7 = 7	nil	8
HW-07	nil	1 × 7 = 7	1 × 68 = 68	75
IN-01	1 × 1 = 1	nil	nil	1
IN-02	1 × 1 = 1	nil	nil	1
IN-03	nil	1 × 7 = 7	1 × 68 = 68	75
IN-04	1 × 1 = 1	nil	nil	1
IN-05	1 × 1 = 1	nil	nil	1
IN-06	4 × 1 = 4	3 × 7 = 21	2 × 68 = 136	161
IN-07	1 × 1 = 1	1 × 7 = 7	1 × 68 = 68	76

Identifier	Headquarters, 1 unit	Commissionerates, 7 units	Districts, 68 units	Total
IN-08	11 × 1 = 11	2 × 7 = 14	2 × 68 = 136	161
Capability items deployed at units	49	112	884	1,045
MP-01, posts	20 × 1 = 20	nil	nil	20 posts

The control totals are forty-nine units of capability items at Headquarters, sixteen at each Commissionerate and thirteen at each District, one thousand and forty-five across the estate, with twenty posts at Headquarters, five service heads each as one lot, and one ring-fenced reserve. The per-machine provision reconciles both ways: eleven laboratory-grade workstations, eighty-two field-grade workstations and sixty-eight acquisition and processing nodes are one hundred and sixty-one machines, and one hundred and sixty-one provisions are procured, one for each; with the seventy-six unit-level provisions the estate carries two hundred and thirty-seven in all. Twenty-four of the twenty-nine capability items are held at Headquarters, eleven at each Commissionerate and eleven at each District.

Table 9.8: Consolidated quantity summary by category and tier

Category	Rows	Headquarters, 1 unit	Commissionerates, 7 units	Districts, 68 units	Total
Software	13	15	35	272	322
Hardware	7	14	28	204	246
Infrastructure	8	20	49	408	477
Capability items deployed at units	28	49	112	884	1,045
Manpower	1	20 posts	nil	nil	20 posts
Services	5	Serving all tiers	Serving all tiers	Serving all tiers	5 lots
Reserve	1	Programme-wide	Programme-wide	Programme-wide	1 lot
Bill of Materials	35	Not applicable	Not applicable	Not applicable	Not applicable

The five service heads and the reserve are not decomposed into per-unit lines, each being one obligation across the estate; Table 9.9 states the coverage of each.

Table 9.9: Coverage and measure of the service heads, manpower and reserve

Identifier	Head	Unit of measure	Coverage
SV-01	Implementation, Rollout and Site Commissioning	1 lot	Wave-based delivery, installation, configuration, hardening, testing and site acceptance across all 76 units, including the concurrent high-load acceptance test on every delivered machine and the discharge and mains-interruption tests at every power provision
SV-02	Operations, Maintenance and Support	1 lot, 36 months	All 76 units, including remote assistance to the 75 field units, none of which carries a contracted post; software defect correction within the clocks at Chapter 10; and battery management across the 237 power provisions of the estate, being the 76 unit-level and the 161 per-machine provisions
SV-03	Training Delivery	1 lot, 36 months	82 officers in person at the thirty-position training laboratory and 375 officers remotely, in Hindi and English, with the train-the-trainer track and three in-person intake weeks in each contract year for refresher, re-certification and newly posted officers. Trainers are provided by the System Integrator under this head and are additional to the 20 posts at MP-01. Delivery under this head includes livestreaming a laboratory session to officers at the field units over the platform supplied within IN-04; the platform and its licences are procured at IN-04 and are not priced again here, and a livestream discharges no obligation of the structured remote track
SV-04	Spares and Consumables	1 lot, 36 months	Stocked spares and the consumable set for 76 standalone units, held within India. The System Integrator determines and states the initial and replenishment quantities and holds them so that downtime is minimised; a defective, malfunctioning or broken component is replaced within the time allowed by the service levels at Chapter 13, and the holding is sized so that those times can be met without a fresh procurement
SV-05	Independent Audit and Programme Management Support	1 lot, 36 months	Programme-wide. Appointed, administered and paid by the Department, outside the System Integrator's contract

Identifier	Head	Unit of measure	Coverage
MP-01	Headquarters Specialist Cadre	20 posts	Headquarters only. The twenty posts are engaged for the thirty-six months of the operations period, being programme months 16 to 52; nine posts mobilise from programme month 6, on acceptance of the Headquarters wave, and serve the ten months to the start of the operations period, they being the posts required for Headquarters commissioning, for the initial training programme and for the referral function as units become operational. The engagement is accordingly thirty-six months for eleven posts and forty-six months for nine, being 810 post-months in all. No post is withdrawn before the close of the operations period, and no contracted post exists at any field unit
RS-01	Technology-Refresh and Extended-Warranty Reserve	1 lot	Programme-wide provision, drawn only on written departmental approval, earmarked for extending hardware warranty coverage inside the contract term

9.9 What is not procured

Table 9.10 states what this Bill does not carry. A bidder shall not price any matter in it, and a bid carrying a price against any is to that extent non-responsive. The table is additional to the exclusions at Chapter 2, Table 2.1; where the two overlap, both stand and neither narrows the other.

Table 9.10: Matters not procured under this Bill of Materials

#	Not procured	Position
NP-1	Any connectivity between any two of the seventy-six units: leased line, wide-area network, virtual private network, tunnel, overlay, site firewall, routing device, shared platform or shared storage	No inter-unit connectivity of any kind is designed, procured, priced or permitted. Each unit is standalone
NP-2	Any firewall, router or tunnelling device at a field unit	The field-unit provision is local cabling, a wall rack, a managed switch and tested outlets, sized to that unit's own procured endpoints and to nothing else
NP-3	Any server instance, consolidation layer, replication mechanism, synchronisation agent, message broker or signed-package exchange mechanism for the Case and Evidence Management System, and any separate server, appliance or dedicated machine on which to run it	Each of the seventy-six instances is unit-local and standalone and runs on the unit's own procured workstation. There is no routine synchronisation of data between units in any form, online or offline, and none is procured
NP-4	Any integration, interface, adapter, connector, application-programming interface, data migration or system-to-system linkage with the National Cybercrime Reporting Portal, the Samanvaya Platform or the Crime and Criminal Tracking Network and Systems	Not in scope, not priced and not to be assumed. Those platforms operate independently of this programme and work on them continues as it does today. Officers use them from the Controlled Internet Zone through their existing interfaces
NP-5	Internet service, bandwidth, data plans or any connectivity subscription at any unit	Departmental scope. The System Integrator configures the endpoint in the Controlled Internet Zone; the Department provides and pays for the service
NP-6	Civil works, building construction, structural alteration, the provision of accommodation and the room's fabric, the fire-safety system, and the air conditioning and lighting at every unit	Departmental scope at all 76 units. The System Integrator monitors, logs and alarms the temperature and relative humidity of the equipment room and the training laboratory under IN-05, supplies no cooling plant, and supplies no fire detection equipment, no suppression provision and no agent, effecting only the detection interlock at IN-05.5
NP-7	The electricity supply at every unit: bulk supply, substation, distribution board, standby generation, the dedicated supply at each unit, and the dedicated circuits, earthing and protection	Departmental scope at all 76 units, at not less than 3 kVA at a District, 4 kVA at a Commissionerate and 45 kVA at Headquarters. No row of this Bill carries electrical supply works and no bidder may price them. The internal power distribution and cabling within the room is procured under IN-02, IN-03 and IN-05, and both power provisions at all 76 units under IN-07 and IN-08
NP-8	Any item at a tier against which this Bill states no quantity	An item is delivered only where a quantity appears. A Headquarters capability is not to be offered, substituted or priced at a field unit under any label
NP-9	An integrated write blocker within the Headquarters analysis workstation	Acquisition at Headquarters is performed on the dedicated bench duplicator procured under HW-06
NP-10	Any software licence, entitlement or bench duplicator bundled inside the on-scene response kit	The kit is a hardware set. Software entitlements are procured once, under their own identifiers, and are not duplicated inside another item
NP-11	Persistent monitoring, selector-based alerting and continuous indexing of open-source or overlay-network content	Not in scope. The online investigation capability is procured for evidential collection and capture under managed non-attributable egress

#	Not procured	Position
NP-12	Forensic examination services delivered by the supplier, and the signing of any forensic opinion, evidentiary conclusion or statutory certificate	Excluded. Contracted personnel assist, operate tools, document and train. Sign-off remains with authorised Government officers
NP-13	Non-digital forensic disciplines, chip-level recovery from damaged devices, and embedded, vehicle and industrial control systems	Outside this programme. Such requirements are referred to the State Forensic Science Laboratory or the notified Examiner of Electronic Evidence
NP-14	Any contracted post at any field unit	Every contracted post is at Headquarters, under MP-01
NP-15	Recruitment, posting, deputation or remuneration of police personnel, and the provision of the officers who hold the three field duties	Departmental scope, including their release for training
NP-16	Any renewal, further update period, extended warranty or support service beyond the thirty-six-month operations period	Outside this Bill and outside this contract. The perpetual entitlement is not such an obligation: continued operation of every software item after the update period is a property of the licence procured here, requires no act of the supplier and attracts no further payment, on the terms at Chapter 10, Section 10.2.2. Chapter 14 states the recurring requirement that nevertheless arises from the fourth year for the six items identified at Chapter 10, Section 10.3.2, and this Request for Proposal discloses it
NP-17	Any rate, unit cost, extended value or estimate	Not contained in this Request for Proposal. Rule BM-1 governs, and cost estimates are maintained in a separate document
NP-18	Any item not appearing in Table 9.3	Table 9.3 is exhaustive. An item absent from it is not procured, not delivered and not to be priced
NP-19	Any duplication between the unit-level power provision and the per-machine power provision, and any load left to neither	The boundary is fixed at Chapter 10, Table 10.30. IN-08 protects the 161 examination and processing machines, their displays and their attached acquisition hardware; IN-07 protects the remaining load of the unit. A bid that sizes IN-07 to a load carried by IN-08, or that omits a load from both, is to that extent non-responsive
NP-20	Battery replacement, annual capacity testing and re-verification of runtime as a chargeable item or a variation	Within SV-02 and priced there. At least one full replacement cycle across the 161 per-machine provisions falls inside the operations period, and no claim arises from it

9.10 The relationship of this Bill to the rest of this Request for Proposal

Chapter 8 organises these identifiers into workstreams and states the delivery obligation against each; Chapter 10 carries one specification block per identifier, ordered as at Table 9.3, and introduces no item this Bill does not carry; Chapter 11 sequences them into five waves, with the unit-wise enumeration for delivery and milestone payment at Annexure A; and Chapter 18 accepts unit by unit and wave by wave. Traceability runs both ways: Table 9.3 carries each identifier's tier, workstream, workflows and specification section; Annexure B carries at least one quantitative, known-answer acceptance test for every identifier, on Department-supplied material and by a published method; and Annexure F carries the proof-of-concept case library, keyed to identifiers. An item with no test and a test with no item are each a defect and are corrected against this chapter.

Rules BM-1, BM-3 and BM-4 govern the rest: no monetary figure of any kind appears, save the programme envelope stated at Chapter 1 and Chapter 14; a bidder that offers the same capability against two identifiers, or embeds an entitlement procured under one identifier inside another, does not thereby deliver more and is to that extent non-responsive; and a quantity may change only by the variation of up to twenty-five per cent per line, at the Department's option under Chapter 14, exercised at the item-wise schedule of rates the successful bidder submits before signature. No quantity is settled after award.

Chapter 10: Technical Requirements

10.1 General requirements applicable to every item

10.1.1 The standing of this chapter and the form of every requirement

This chapter carries one specification block for every identifier in the Bill of Materials at Chapter 9, Table 9.3, and for no other item. On an apparent difference, the Bill governs quantity, Chapter 3 governs every derived quantity from which a specification figure is taken, and this chapter governs specification.

General rule GR-15, indicative products and equivalence. This rule governs the whole of this chapter and everything that follows is read subject to it. Where this chapter names a processor, graphics processor, storage device, operating system, device platform, file format or any other product, the name is indicative only. It is given so that a bidder understands the class and the level of capability the Department expects, and for no other purpose. Any product equivalent to or better than the one named may be offered and shall be accepted, and no offer is preferred or prejudiced by the naming of a product. Where a list of platforms, formats or versions is given, it is a minimum and not a limit: the item shall also support any further platform, format or version within the same class, including versions released during the contract term. A bidder offering an alternative states the product offered and the basis of equivalence in its technical bid, and the Department determines equivalence against the measurable floors stated in this chapter.

Two forms of words carry that rule, and no requirement in this chapter departs from them. A hardware baseline is stated as the measurable floor first and the indicative class second, closing with the words "or better". A coverage requirement for platforms, formats, applications or versions is stated as an enumeration opened by the words "including at minimum but not limited to" and closed by the words "in the versions prevalent at the date of bid and any later versions released during the contract term". The opening words make every name that follows them a floor the bid must meet, and none of them a ceiling. A bidder is neither required to offer, nor advantaged by offering, the particular product named.

Version coverage and the licensing construct at Section 10.2.2 are distinct obligations, and neither qualifies the other. The obligation to support versions released during the contract term is an update obligation, discharged inside the currency period at LC-1, being not less than three years of updates from the site acceptance of the unit at which the item is deployed. It is not a promise that new versions continue to be supplied after that period, and it neither enlarges nor abridges LC-2, under which the item as then delivered continues to operate in perpetuity, without updates, at no further cost and without any renewal, reactivation, payment or act of any party. Table 10.10 states, for the six items whose usefulness depends on a continuously refreshed dataset, what continued operation preserves and what it does not.

The Department publishes the test method; the bidder does not choose, propose, substitute or vary it, and no obligation here is discharged by a supplier-provided test method. Acceptance methods are at Annexure B and the inspection and test record templates at Annexure G. The consolidated acceptance criteria at Chapter 8, Table 8.18 apply to every item in addition to the criteria at each block below, and Chapter 18 states the stage at which each is applied.

Every figure in this chapter is a limit and the words used state its direction. "Not fewer than" and "not less than" state a floor: an item that meets or exceeds it, by any means and from any supply chain, is compliant. "Not more than" states a ceiling: an item exceeding it is not compliant. Nothing in this chapter is to be read as an upper limit unless the words "not more than" appear.

Adjectives are not specifications. "Suitable", "adequate", "appropriate", "industry standard", "best in class", "as per requirement" and "to be finalised" do not appear as requirements, and a bid using them in place of a figure has not stated a specification. Where physical robustness matters this chapter states the material, the gauge and the rating; where performance matters, the figure, the unit, the load condition under which it is to hold, and the method of measurement.

Where any discrepancy, inconsistency, ambiguity or conflict arises between provisions of this Request for Proposal, or between it and any annexure, corrigendum or clarification issued under it, the CIDAL Apex Procurement Committee reserves the authority to determine the meaning and implication of the provisions

concerned. Its determination shall be issued in writing, shall be binding on all bidders and on the successful bidder, and shall be published to all bidders where issued before the bid due date.

Table 10.1 states the rules governing every block; they are not repeated against individual items.

Table 10.1: Rules governing every specification in this chapter

#	Rule
GR-1	Every requirement states a function, an input class, an output and a named acceptance test. A clause that states none of these is not a requirement and does not appear
GR-2	Every requirement is labelled mandatory or evaluated. A mandatory requirement not met renders the bid non-responsive as to that item; an evaluated requirement is scored under Chapter 16 and is never disqualifying
GR-3	"Shall" is used throughout. "Should", "may", "recommended", "preferably", "where feasible" and "where applicable" without a stated applicability test do not appear against anything tested at acceptance
GR-4	A commercial name appears only as an indicative baseline or as a member of an enumeration under GR-15, and never as the requirement itself. The requirement is always the measurable floor, the stated function or the coverage demonstrated on the Department's own material. A hardware baseline carries the words "or better"; an enumeration of platforms, formats, applications or versions carries the words "including at minimum but not limited to". No name is a sole-source condition, no bid is preferred or prejudiced by a name, and no requirement is written so that only one supply chain can meet it
GR-5	Performance is specified as a measured outcome on a named reference workload at Table 10.3, never by a technology, an architecture or a component family standing alone. Where a component class or a product is named alongside a performance requirement it is indicative under GR-15, and the measured outcome remains the requirement
GR-6	Grade variants of one capability appear in a single block with a side-by-side grade column, never as duplicate blocks
GR-7	Capacity figures are usable capacity after redundancy unless the clause states raw provisioning. Throughput figures are sustained, measured over a whole operation, never instantaneous or interface figures
GR-8	No item shall require a data connection to any other unit of the estate to install, activate, operate, update or be supported, nor continuous internet connectivity to operate, nor shall it require, assume or offer integration, interface development, data migration or system-to-system linkage with any national platform
GR-9	All delivered goods shall be new, unused, of current production, and neither end-of-sale nor end-of-life at bid date, supported by a supplier undertaking of support availability for not less than five years from delivery. Refurbished, demonstration, open-box, remanufactured and grey-market goods are prohibited and their supply is a major non-conformance under Chapter 18
GR-10	"Or better" accompanies every indicative hardware baseline and "including at minimum but not limited to" opens every enumeration of platforms, formats, applications or versions. Neither form of words cures the absence of a measurable floor: a named product is admissible only where the floor or the function it illustrates is also stated, and a clause carrying a name and nothing else is not a requirement
GR-11	A bid offering a deviation from a mandatory requirement is non-responsive to the extent of that item. No deviation is accepted by silence, by a covering letter or by a bidder's own specification text, and no bidder-supplied specification wording is incorporated into the contract
GR-12	Every identifier specified here appears in at least one quantitative, known-answer acceptance test at Annexure B, and every identifier gated at the proof of concept appears in at least one test case at Annexure F. There is no item without a test and no test without an item
GR-13	Quantities and deployment are those of Chapter 9, restated in each block for convenience only. A quantity in this chapter creates no entitlement the Bill does not carry
GR-14	No monetary figure of any kind appears in this chapter. Requirements are stated as functions, quantities, capacities, durations and measured outcomes, never as a value or a rate
GR-15	Indicative products and equivalence: the rule is stated in full at Section 10.1.1 and governs the whole of this chapter. A named processor, graphics processor, storage device, operating system, device platform, file format or other product is indicative only, given so that a bidder understands the class and the level of capability expected and for no other purpose; any product equivalent to or better than the one named may be offered and shall be accepted; and every list of platforms, formats, applications or versions is a minimum and not a limit, coverage being required of any further member of the same class, including one released during the contract term. A bidder offering an alternative states the product offered and the basis of equivalence in its technical bid, and the Department determines equivalence against the measurable floors stated in this chapter. The obligation to cover versions released during the contract term is an update obligation inside the LC-1 currency period and does not enlarge or abridge LC-2

10.1.2 Specification neutrality

Neutrality in this chapter is secured by the form in which a requirement is written, and not by writing the requirement vaguely. A specification so general that two bidders could read it and deliver materially different equipment at materially different prices is a defective specification, not a neutral one. Each construction at Table 10.2 is therefore prohibited, and against each the table states the form used in its place: in every case the substitute is more specific than the construction it replaces, not less. Where a supplier, product, platform or format is named in this chapter it is named under GR-15 as an indicative baseline or as a member of an enumerated minimum, it is never the requirement itself, and every performance requirement remains an outcome measurable by the Department on its own material. An example introduced by "such as" or "for example" does not appear: an illustration is a requirement in the reader's hands, so this chapter states its enumerations as minima under GR-15 and does not illustrate.

Table 10.2: Prohibited constructions and the form used in their place

#	Prohibited construction	Form used in this chapter
N-1	A chipset, application-processor or system-on-chip part number or series range stated as the requirement itself, or a coverage span defined by such part numbers	The function performed across the device population encountered in casework, with the application-processor families and the chipset-based acquisition classes enumerated as a minimum under GR-15, a supported-platform matrix submitted at bid and maintained through the support term, and coverage demonstrated on the Department's device set published by class: platform, encryption state and age band
N-2	A named handset, computer, silicon or software brand, or a named operating system or version, stated as the requirement itself or as the only acceptable answer	The ecosystem named generically and then enumerated as a minimum under GR-15 — including at minimum but not limited to Apple macOS, iOS and iPadOS, Google Android, Microsoft Windows and the major Linux distributions, in the versions prevalent at the date of bid and any later versions released during the contract term — the enumeration being a floor and not a limit, the requirement being the function performed on each, and support for a subsequent public release of a supported platform being delivered within the period stated at Section 10.3.1
N-3	Proprietary feature, product and marketing terms, including virtualisation, firewall-domain and management-controller product names	The outcome stated as a count of independently administered domains, each with its own policy set, administrative role and audit trail, achievable by any mechanism at the bidder's option
N-4	Feature counts: a minimum number of filters, modules, parsers, plug-ins or supported formats	An enumerated function list, and an enumerated platform, format, application and artefact list opened by "including at minimum but not limited to", each function and each enumerated member demonstrated on Department-supplied material with the operation chain logged and the result reproducible from the original. What is required is coverage demonstrated, never the number of parsers, modules or plug-ins by which the bidder achieves it
N-5	A device-generation window or coverage span expressed as a closed marketing claim, or coverage asserted without a demonstrated basis	The capability stated by device state and operation, the platform, generation and protection classes enumerated as a minimum under GR-15, coverage evidenced by the supported-platform matrix and demonstrated on the Department's controlled test set
N-6	Licence-mechanism mandates: a single licence key, hardware-key protection, or a per-seat or floating entitlement model required by name	The throughput or continuity outcome: a stated number of concurrent operations at the deploying unit, by any licensing mechanism at the bidder's option, at no additional charge during the term; and, for continuity, the outcome at Section 10.2.2, which states what the entitlement must deliver and not how it is enforced
N-7	Datasheet throughput and capacity tuples, session-count floors, and bus or interface rates quoted as acquisition rates	A sustained rate in megabytes per second on named reference media with hashing enabled, or a sizing against the unit's published annual workload at a stated multiple, demonstrated at acceptance
N-8	A branded processor or graphics baseline offered in place of a measurable floor, whether or not it carries an "or equivalent" suffix	The measurable floor first: a minimum score on a published, supplier-independent multi-threaded benchmark published at Annexure B, verified on the delivered machine at acceptance, with neutral floors for physical cores, memory capacity and dedicated graphics memory that more than one supply chain can meet. An indicative part class may then be named under GR-15, closing with "or better", to show the level intended; it follows the floor and never replaces it
N-9	Product-architecture mandates: a single interface spanning stated functions, centralised delivery services, automatic fallback behaviour	The functional envelope, architecture left free: whether the environment is one executable or several is immaterial provided the case, search and export model is common
N-10	An exhaustive coverage enumeration imposed as a closed hard mandatory, so that a coverage gap of any kind is disqualifying	A mandatory core, enumerated as a minimum and not a limit under GR-15 so that a bidder knows what coverage is actually expected, plus an evaluated and non-disqualifying extended set. The wider working enumeration against which each acceptance test is run is held in the Department-owned acceptance dataset at Annexure B, refreshable without amending the tender
N-11	Country-of-origin framing inside a technical specification	Deleted. Procurement-preference policy is applied uniformly at procurement level under its own rules and never at line-item level. Where a genuine India-specific need exists it is stated functionally: processing of content in Hindi and the Devanagari script, and support for right-to-left scripts
N-12	Line-item reservation for domestic manufacture, and any requirement for native integration with a named national platform	Deleted in both directions. No integration with any national platform is in scope, is priced, or may be assumed
N-13	Any monetary figure	Quantities, capacities, durations, percentages and measured outcomes only

10.1.3 How performance is specified and measured

Performance is a measured outcome on a workload the Department supplies, never a figure taken from a published specification sheet, and every figure is reproducible by a third party holding the Department's reference material, the delivered machine and the published method. A supplier delivering the stated outcome by a different means complies in full. Every figure is measured over a whole operation and not at an instant, so

that an interface rate cannot be offered as an acquisition rate. Hashing is enabled during every acquisition measurement, and a rate measured with hashing disabled is not admissible as evidence of compliance.

Table 10.3 defines the reference workloads used below. The composition of each (media, capacities, file counts, encryption states and known answers) is published at Annexure B, is Department-owned, and is refreshable against changing casework without amendment of the specification.

Table 10.3: Reference workloads and measurement conventions

Ref	Reference workload	What is measured	Convention
RW-1	Reference solid-state source media, populated to a known answer	Sustained acquisition rate in megabytes per second with hashing enabled	Acquired byte count divided by the elapsed time between the start and end timestamps in the acquisition log, over the whole acquisition
RW-2	Reference rotating source media, populated to a known answer	Sustained acquisition rate in megabytes per second with hashing enabled	As RW-1
RW-3	Reference bounded case dataset, representing the weighted exhibit mix of Chapter 3 across mobile, computer, removable-media and telecom-record classes	Elapsed time to complete ingest, hash verification, indexing and the published search set	Timed on the delivered machine, under the concurrent load stated in the block
RW-4	Reference large-exhibit set, being a multi-volume set and a single exhibit at the upper end of the volume distribution at Chapter 3	Elapsed time to complete acquisition, verification, reconstruction and the published processing chain	Timed at Headquarters on the delivered platform
RW-5	Published, supplier-independent multi-threaded processor benchmark, published with its version at Annexure B	Benchmark score	Run on the delivered machine in its delivered configuration, result recorded on the installation record
RW-6	Reference unattended run: an acquisition, hash, index, automated processing pass and archival write, executed without operator attendance	Completion, integrity and concurrency	Executed while the unit's analysis workstation is in interactive use on a different exhibit; both machine logs retained
RW-7	Reference restore set of not less than 1 TB, being an archived image and a register export with their manifests	Elapsed restore time and hash agreement	Restored to an independent machine and compared against the source manifest
RW-8	Reference concurrent high-load set: the simultaneous workloads at Table 10.17 for the machine class under test, with the oversized reference exhibit defined there	Elapsed time per task, sustained processor and memory utilisation, paging behaviour, stalls, failures, interactivity and sustained electrical load	Executed on the delivered machine by the method at Table 10.17 and Annexure B, the full instrument record retained
RW-9	Reference storage-media set for sanitisation and read-back verification	Verified erasure and read-back hash agreement	Verified on an independent machine against the published check

10.1.4 Mandatory requirements, evaluated requirements and bidder submissions

A mandatory requirement is a floor: it is met on the Department's material and not on the bidder's representation, or the bid is non-responsive as to that item. An evaluated requirement is scored under Chapter 16 and is not used to reduce the field. Where an enumeration would otherwise become a hard mandatory, this chapter states a generic mandatory core and places the enumeration in the evaluated set and in the Department-owned acceptance dataset.

Every bidder submits, with the technical bid, the documents at Table 10.9. Those submissions are the evidence for technical evaluation under Chapter 16 and for setting up the proof of concept at Chapter 17. The proof of concept is a pre-award stage taken after technical qualification by every bidder that qualifies on the technical criteria; it is not optional for a qualified bidder and is not a post-award activity. A submission absent at bid is not supplied later, and an item whose required submission is absent is not evaluated.

10.2 Requirements common to every item

10.2.1 Obligations that attach to every item

These obligations attach to every item capable of carrying them, and a block that does not repeat them is not relieved of them. Sections 10.2.2 and 10.2.3 bind every software item without exception and are not restated in any individual block.

Table 10.4: Common evidentiary, identity, audit and continuity obligations

Ref	Class	Obligation	Attaches to	Verification
EV-1	Write protection	Write blocking on every acquisition path shall be hardware-enforced. Software-only write protection is not acceptable in any circumstance	HW-04, HW-05, HW-06, HW-07	Documented write-attempt test evidencing no write to the source, on Department-supplied material
EV-2	Hashing	A cryptographic hash of not less than 256-bit digest length shall be computed contemporaneously with acquisition and verified against the source before the image is used. The algorithms acceptable for that digest are, including at minimum but not limited to, SHA-256, SHA-384 and SHA-512 of the Secure Hash Algorithm 2 family and SHA3-256, SHA3-384 and SHA3-512 of the Secure Hash Algorithm 3 family, or any published algorithm of not less than 256-bit digest length and equivalent or better cryptographic standing. MD5 and SHA-1 do not satisfy this obligation and neither is acceptable as the primary digest of any acquisition. A second algorithm, MD5 or SHA-1 included, may be computed in addition for cross-tool comparison; it does not replace the first	Every item that acquires or images	Acquisition log inspection and hash comparison against the known answer, the algorithm used recorded on the acquisition log
EV-3	Acquisition log	Every acquisition shall produce a log recording operator identity, start and end timestamps, source identifiers, interface used, tool and firmware version, acquired byte count, and every hash computed and verified	HW-04 to HW-07	Log field inspection against the published field list
EV-4	Verification failure	A hash mismatch shall stop the operation, be recorded, and be incapable of suppression by the operator	Every item that acquires or images	Negative test with a deliberately altered source; refusal and record inspected
EV-5	Operator identity	Authenticated operator identity with per-session logging to tamper-evident local storage, at every field-unit machine. Multi-factor authentication for every administrative account at Headquarters	HW-03 to HW-07, IN-01	Session log inspection; an attempted unattributed session recorded as refused
EV-6	Immutable logging	Immutable log storage is unconditional, not qualified by feasibility, cost, tier or bidder determination. No operating or administrative identity may edit or delete a log entry; a correction is a superseding entry preserving the original. Applies to the acquisition log of every item that acquires or images and the audit log of every item that maintains one. Retention as at Chapter 4, Table 4.8	HW-01, HW-03 to HW-07, IN-01	Witnessed deletion attempt refused and itself logged, on each delivered item class
EV-7	Time	Headquarters clocks synchronise to the national reference time source. The Evidence Processing Zone being offline, its clocks are governed by the recorded verification procedure at Chapter 4, Section 4.10, and no acquisition is performed on a machine for which the day's check is unrecorded	HW-01, HW-03 to HW-05, IN-01	Clock verification row on the site acceptance record and every subsequent inspection
EV-8	Offline operation	Every item deployed at a field unit shall operate fully offline. Offline activation is mandatory; periodic online re-validation is not acceptable; updates import by the removable-media crossing procedure	SW-01, SW-03, SW-07, SW-12, HW-04, HW-05, HW-07, IN-03, IN-07, IN-08	Activation and operation with the Controlled Internet Zone disconnected; update import witnessed and logged in the crossing register
EV-9	Removable-media	Every machine in the Evidence Processing Zone shall enforce removable-media control, every crossing recorded in the crossing register with hashes on write and on read and both sanitisation records	HW-03 to HW-05	Configuration inspection and crossing-register entries matched to the operation record

Ref	Class	Obligation	Attaches to	Verification
	control			
EV-10	Open formats and export	Acquisition output shall be produced in an open forensic container format and in raw form, with a hash manifest, the container formats used including at minimum but not limited to raw or dd with an accompanying manifest, AFF4 or AFF4-L, and the expert-witness formats E01 and Ex01. Reports, certificates and register exports shall be producible in open, non-proprietary formats readable without the supplier's software, including at minimum but not limited to comma-separated values, JSON and XML for record sets, and PDF/A to ISO 19005 for certified and printable output	HW-04 to HW-07	Output opened and hash-verified on an independent machine
EV-11	Interoperability of containers	Items shall additionally read the evidence-container formats in general use in Indian forensic laboratories, so that material received from another laboratory is readable, those formats including at minimum but not limited to raw or dd images, the expert-witness formats E01 and Ex01 and their logical counterparts L01 and Lx01, AFF4 and AFF4-L, and the optical and virtual-disk containers ISO 9660, UDF, VMDK, VHD, VHDX and QCOW2, in the versions prevalent at the date of bid and any later versions released during the contract term	HW-04 to HW-07	Read test on Department-supplied containers
EV-12	Tool validation	A tool-validation dossier shall be submitted for every item that acquires, processes or interprets evidence, stating method, dataset, expected and observed results, and re-validated on every version change during the term	Every acquiring or examining item	Independent re-run of the dossier's cases on Department-supplied material
EV-13	Data localisation	All evidence, artefacts, derived intermediates, working copies and case metadata shall be processed and retained on Government-controlled infrastructure within India, and none transmitted to or processed on infrastructure outside Indian jurisdiction at any point	Every item	Configuration export and network capture showing no egress of evidential content
EV-14	Data-path declaration	The bidder shall declare, for every component of every item offered, that component's data path: what data leaves it, to what destination, under what trigger, and where it is stored. A component whose declaration is absent is non-compliant with EV-13	Every item	Declaration submitted at bid; tested by network capture at acceptance
EV-15	Hardening	Every delivered machine and network element shall be hardened to a published benchmark, published with its version at Annexure B, every deviation recorded in a deviation register and justified	HW-01, HW-03 to HW-05, IN-01	Hardening checklist and deviation register inspected against the delivered configuration
EV-16	Vulnerability management	The supplier shall furnish a software bill of materials for every delivered software item, maintain it through the term, and remediate published vulnerabilities within the windows at Chapter 13, at offline units by the crossing procedure	Every item carrying software	Bill of materials inspected; remediation records matched to crossing-register entries
EV-17	Language	Items presenting content to an officer shall process content in Hindi and the Devanagari script and shall support right-to-left scripts. Documentation and training material are bilingual in Hindi and English	Every item with an operator interface	Demonstration on Department-supplied bilingual material
EV-18	No inter-unit dependency	No item shall require, offer or be capable of being configured for a data connection to another unit of the estate, for consolidation, replication, package exchange or synchronisation of any kind	Every item	Interface listing, outbound-traffic capture and configuration inspection
EV-19	Root of trust and encryption	Every delivered machine shall carry a hardware root of trust conforming to a published, multi-supplier specification, with full-volume encryption in force on every fixed volume and the key in departmental custody	HW-01, HW-03 to HW-05	Configuration export, attestation record and key-custody record

10.2.2 Software licensing and continuity of operation

The clause binds every software item procured under this Request for Proposal without exception, and its absence from a block at Section 10.3 is not a qualification of it. It is not open to qualification, exclusion,

reservation or negotiation by a bidder, and a bid that qualifies it in respect of any item offered is non-responsive as to that item.

LC-1: Currency. Every software entitlement shall include all updates, upgrades, patches, signature refreshes, definition refreshes, dataset refreshes and technical support for a period of not less than three years from the date of acceptance of that item at the unit where it is deployed. Because acceptance is unit-wise, the period runs unit-wise, and an item delivered to an early wave does not exhaust its currency while later waves are still being built.

LC-2: Perpetual operation thereafter. On expiry of that period the item shall continue to function in perpetuity, without updates, at no further cost to the Department. Continued operation shall require no renewal, no reactivation, no further payment, no further order and no further act of the supplier, of the principal or of any third party.

LC-3: Further updates. The supplier is free to offer further updates beyond the third year on commercial terms. Nothing in this clause obliges the Department to accept or to pay for them, and no function specified in this chapter may be withheld from an item that is operating under LC-2.

LC-4: Continuity shall not depend on any act, consent, server, service or physical article under the supplier's control. The item shall not embed an expiry date, a time-limited key, a periodic reactivation requirement, a licence lease, a remote disable capability, a kill switch, a telemetry condition, or any dependency on a supplier-hosted entitlement service, without which the item ceases to operate, loses function or reduces performance. Where the item's entitlement is carried on a physical article, the article is not prohibited, and the following conditions apply to it in place of a keyless entitlement. The article shall be delivered to the Department, shall become the property of the Department on delivery, and shall carry no expiry date, no lease term, no periodic reactivation requirement and no capability of being disabled, expired or restricted remotely or by the passage of time. The supplier shall deliver, with each deployed instance, one spare article programmed identically and held at the unit, and shall replace any article that fails, is damaged or is lost, at no charge to the Department, within fifteen working days of a written report, for the life of the item and without limit of time, whether or not the currency period at LC-1 has expired and whether or not the contract subsists. The principal shall confirm that replacement obligation in the undertaking at LC-6. The acceptance test shall demonstrate the item installing, activating, operating, processing, reporting and exporting on the delivered article with every external interface disconnected, and shall demonstrate the same on the spare article. Where any activation mechanism exists, the supplier shall provide a permanent offline entitlement for every deployed instance, deliverable and re-deliverable on removable media, and the acceptance test shall demonstrate the item installing, activating, operating, processing, reporting and exporting with every external interface disconnected.

LC-5: The Department's own data. The Department shall retain, in perpetuity and without further payment, the right and the technical means to read, search and export all data it has created in any item, in open and documented formats, whether or not any further version of that item is supplied.

LC-6: Written undertaking from the principal. The bidder shall furnish, with the technical bid, an undertaking from the principal of each offered software item, in the published format at Annexure N, Q-11, executed on non-judicial stamp paper of the value applicable, confirming LC-1 to LC-5 for that item, naming this tender, and signed by a person authorised to bind the principal. The undertaking is a bid-responsiveness requirement: an item offered without it is not evaluated, and where that item is mandatory the bid is non-responsive.

LC-7: Verification. Compliance is verified at three points and by four different means. At bid, by the undertaking at LC-6 and by the licensing disclosure at SB-4. At the proof of concept, by operating the offered item with every external interface disconnected. At acceptance, by installing and operating the delivered item with every external interface disconnected, by inspection of the delivered entitlement artefact for any expiry, lease or reactivation term, and by a configuration and outbound-traffic capture showing no entitlement-related communication of any kind. At acceptance the Department additionally performs the post-currency demonstration, once for each offered software item and not once for each deployed instance: on a witnessed instance isolated from every external network, the system clock is advanced beyond the end of the longest LC-1 currency period applicable to that item and the item is required to start, activate, open an existing case, process the reference material, report and export, with no renewal, reactivation, payment or act of any party. Refusal to start, loss of any function specified in this chapter, or any reduction in performance under the

advanced clock is a major non-conformance and the item is not accepted at any unit. A refusal to start under the advanced clock is recorded, and the cause is determined before the consequence in the preceding sentence attaches. Where the item starts and operates in full when the clock is restored to the true date, and the supplier produces the diagnostic output of the entitlement mechanism showing that the refusal arose from a check on the integrity of the system clock and not from an expiry date, a time-limited key, a lease term, a reactivation requirement or any other term within LC-4, the refusal is not a failure of this requirement. The demonstration is then completed by an alternative method: the entitlement artefact is inspected and found to carry no term within LC-4; the supplier's written statement is produced identifying every time-based check the item performs, what each does and what it does not do; and the item is operated, with every external interface disconnected, on an instance whose entitlement mechanism has been placed by the supplier in the state it will occupy after the currency period has expired. Failure of the alternative method is a failure of this requirement. A supplier that declines to produce the diagnostic output or the written statement fails this requirement, and no inference is drawn in its favour from the refusal. Where an item fails this requirement at acceptance, a major non-conformance is raised and closed under Chapter 18, Section 18.10, and the item is not accepted at any unit until it is closed.

Table 10.5: Software licensing and continuity: the obligation and its verification

Ref	Obligation	Class	Verification
LC-1	Not less than three years of updates, upgrades, patches, signature, definition and dataset refreshes, and technical support, from unit-wise acceptance	Mandatory	Entitlement record per unit inspected against the site acceptance date
LC-2	Perpetual operation thereafter without updates, at no further cost, requiring no renewal, reactivation, payment or act of any party	Mandatory	Undertaking at LC-6; entitlement artefact inspected for any expiry, lease or reactivation term
LC-3	No function withheld from an item operating under LC-2	Mandatory	Function list of the delivered build compared against this chapter, with every external interface disconnected
LC-4	No expiry date, time-limited key, periodic reactivation, licence lease, remote disable, kill switch, telemetry condition or hosted-service dependency; permanent offline entitlement provided and re-deliverable	Mandatory	Installation, activation, operation, reporting and export demonstrated with every external interface disconnected; configuration export and outbound-traffic capture showing no entitlement communication
LC-5	Perpetual right and technical means to read, search and export the Department's own data in open, documented formats	Mandatory	Export produced and opened on an independent machine against the published field dictionary
LC-6	Undertaking from the principal in the published format at Annexure N, Q-11, executed on non-judicial stamp paper of the value applicable, naming this tender, confirming LC-1 to LC-5, signed by a person authorised to bind the principal	Mandatory, and a bid-responsiveness requirement	Undertaking lodged with the technical bid and verified against the item list
LC-7	Verification at three points and by four different means: at bid by the undertaking at LC-6 and the licensing disclosure at SB-4; at the proof of concept by disconnected operation of the offered item; at acceptance by disconnected installation, operation, reporting and export of the delivered item, inspection of the entitlement artefact and an outbound-traffic capture	Mandatory	Bid submissions verified against the item list; disconnected-operation record at the proof of concept and at site acceptance; entitlement-artefact inspection record; outbound-traffic capture
LC-8	Re-verification of LC-4 at each annual maintenance visit for the whole term	Mandatory	Annual disconnected-operation check recorded on the maintenance record

10.2.3 Software quality and defect liability

All software supplied under this contract shall be free from defects.

SQ-1: Conformance. Every software item shall conform to its specification in this chapter, to the tool-validation dossier for the offered build, and to the functionality demonstrated at the proof of concept. A divergence between the delivered and demonstrated builds in any function specified in this chapter is a defect of at least High severity.

SQ-2: Certificate at delivery. The supplier shall certify, at the delivery of each software item and at each version delivered during the term, that no defect of Critical or High severity is known to exist in that item, and shall list

every known defect of Medium and Low severity with its status. The certificate is a condition of the delivery inspection under Chapter 18; an item delivered without it is not inspected.

SQ-3: Severity classes. Severity is determined by the Department on the definitions at Table 10.6, and the determination is recorded with the reasons for it and the facts relied on. The supplier may represent in writing within three working days of the determination, stating the class it contends for and the reason. Where the representation is against a determination of Critical or High severity, the Programme Management Unit refers it to the Technical Committee, which advises within five working days on the class the definitions at Table 10.6 require; the Department then decides, and where its decision departs from that advice it records the reason. The resolution clock at Table 10.7 runs from the Department's report of the defect throughout, and is not suspended by a representation or a reference. Where a determination is altered on a representation or on advice, the resolution obligation and any service credit are recomputed on the class as altered.

SQ-4: Resolution obligations. Table 10.7 applies, the clock running from the Department's report of the defect and not from the supplier's acknowledgement, reproduction, triage or acceptance of it. Resolution is at no cost to the Department for the whole contract term, whatever the cause and whatever version introduced it.

SQ-5: A Critical defect affecting evidence integrity is an incident. Where a defect causes or may cause loss, corruption or alteration of evidence, incorrect computation or verification of a hash, or failure of an audit log, the supplier shall report it to the Department within four hours of becoming aware of it, whoever found it and whether or not it has manifested at any unit of this programme. The report shall identify the affected versions, the conditions under which the defect manifests, and the means by which the Department may determine whether a given case is affected. The supplier shall then identify every case processed with the affected version at every unit at which that version was deployed, and shall furnish that identification within seven working days. The contamination-response procedure at Chapter 6 governs what follows.

SQ-6: Freedom from malicious and undisclosed code. Software shall be free of malicious code, undocumented interfaces, undisclosed data transmission of any kind, and any capability to disable, degrade, restrict, meter or remotely alter the item or the data it holds. The prohibition covers telemetry, usage reporting, analytics, crash reporting and licence beaconing unless each is declared in the data-path declaration at EV-14 and is capable of being disabled by the Department without loss of any function specified in this chapter.

SQ-7: Software bill of materials and disclosed vulnerabilities. A software bill of materials shall be furnished for every software item at delivery and maintained through the term, enumerating every included component and its version. Known published vulnerabilities in included components shall be disclosed at delivery, each with its severity and a dated remediation commitment. An undisclosed known vulnerability discovered at any point in the term is a defect of the severity its impact warrants, and the failure to disclose is itself a non-conformance.

SQ-8: Regression. A correction shall not introduce a defect elsewhere, and every corrected build shall carry a re-issued tool-validation dossier evidencing that the known-answer dataset still returns its known answers. A correction that breaks a function that worked before it is a new defect at the severity of the function broken.

SQ-9: Persistent failure is a service-level breach. Persistent failure to meet Table 10.7 breaches the service levels at Chapter 13 and attracts the service-credit regime there. Persistence is three failures of the same obligation in any rolling three-month period, or any single Critical defect unresolved beyond twice the period at Table 10.7.

Table 10.6: Defect severity classes

Class	Definition	Examples of the class, stated as outcomes
Critical	Loss, corruption or alteration of evidence; incorrect computation or incorrect verification of a hash; failure, gap or corruption of an audit log; or inability of the item to operate at all	An acquired image that does not verify against a correct source; a custody entry that can be edited; a search that silently omits a region of the image; an item that will not start
High	A function specified in this chapter, or a function demonstrated by that bidder at the proof of concept, is unavailable, or produces incorrect output, and no workaround exists that preserves the specified or demonstrated outcome	An artefact class specified as mandatory is not recovered; a report omits a required element; a required export cannot be produced; a delivered build lacks a function demonstrated at the proof of concept
Medium	A function specified in this chapter is degraded, and a workaround exists that preserves the specified outcome at additional effort	A processing pass that must be run twice to complete; a report element that must be inserted manually; a performance figure met only outside the specified load condition
Low	Cosmetic, documentary or presentational, with no effect on any specified outcome	A mislabelled field; an error in a manual; a display defect that does not alter the recorded value

Table 10.7: Defect resolution obligations, the clock running from the Department's report

Severity	Workaround	Permanent correction	Cost	Escalation
Critical	Within 4 hours	Within 7 days	Nil to the Department for the whole term	Reported to the Programme Management Unit on the day of the report; where evidence integrity is affected, SQ-5 additionally applies
High	Within 24 hours	Within 30 days	Nil to the Department for the whole term	Reported in the monthly service report and reviewed at the monthly review
Medium	Not applicable	Within 90 days or at the next release, whichever is earlier	Nil to the Department for the whole term	Carried in the open-defect register with its age
Low	Not applicable	At the next release	Nil to the Department for the whole term	Carried in the open-defect register

The supplier shall maintain an open-defect register for every software item, furnished monthly to the Department, carrying each defect's identifier, the date and time of the Department's report, the severity determined, the workaround date, the correction date, the versions affected, and, for every Critical defect within SQ-5, the case identification furnished under that clause. Auditable under SV-05.

10.2.4 Warranty, support and spares

Warranty is applied by class of item and never across classes. Every period runs from the site acceptance of the unit at which the item is deployed, unit by unit, and not from a single programme-wide date.

Table 10.8: Warranty and support obligations by item class

Class	Obligation	Runs from	Verified by
Hardware: compute, storage, network, workstations, nodes, imagers, kits, power	Comprehensive on-site warranty for three years, parts and labour, including all bundled accessories, cables, adapters and carrying cases, with the response and restoration targets at Chapter 13 and Annexure I	Site acceptance of the deploying unit	Warranty entitlement record per serial number, verified at pre-dispatch inspection under Chapter 18
Hardware: passive infrastructure, cabling, racks, furniture, cabinets	Manufacturer's warranty for not less than three years against material and workmanship defect and, for structured cabling, a tested-link performance warranty for the same period	Site acceptance of the deploying unit	Test reports and warranty documents lodged with the as-built set
Software and licensed items	Not less than three years of updates, upgrades, patches, signature, definition and dataset refreshes and supplier support, thereafter perpetual operation at no further cost, on the terms at Section 10.2.2; and the quality and defect-liability obligations at Section 10.2.3 for the whole contract term	Site acceptance of the deploying unit	Entitlement record inspected; update import demonstrated by the crossing procedure; disconnected-operation check
Services	Performance for the stated term against the service levels at Chapter 13, measured as published at Annexure I	Commencement of the service head	Monthly service reporting against the published definitions
Consumables	Fitness for purpose on delivery and for the stated shelf life, replacement of a failed lot at the supplier's cost	Delivery	Lot inspection and, for seals, a destructive sample test
Spares	Holding, availability and despatch obligations for the full operations period, sized to the deployed population and held within India	Final commissioning	Stock verification and a witnessed despatch test

Battery-bearing items carry an additional obligation: any battery whose measured capacity falls below 80 per cent of rated capacity during the term shall be replaced at the supplier's cost, capacity measured annually by a witnessed test recorded on the maintenance record. It applies to the unit-level power provision at IN-07, the per-machine power provision at IN-08 and the field computer of the on-scene kit at HW-07. Its scale is at Section 10.5.9 and it is priced within SV-02.

10.2.5 Documentation and handover

Every item is handed over with: as-built documentation for the unit; a configuration baseline and a configuration export; the hardening record and the deviation register; the benchmark verification record and the concurrent high-load test record where each applies; the tool-validation dossier where the item acquires,

processes or interprets evidence; the warranty or entitlement record against each serial number or entitlement unit; the principal's undertaking under LC-6; the software bill of materials and the disclosed-vulnerability list under SQ-7; operating and maintenance manuals in Hindi and English; the labelling schedule; and the acceptance test records for that unit. The as-built set for a unit is complete before that unit's site acceptance certificate is signed, and its absence is a ground on which acceptance is withheld.

10.2.6 Training on the tools supplied

Every supplier of an item that an officer operates owes instruction in that item, distinct from the training programme at Chapter 12. It comprises, for every item with an operator interface: an operating procedure written for a police officer and not for an engineer, bilingual in Hindi and English; hands-on instruction at the deploying unit at installation, of not less than the duration published at Annexure J for that item class, delivered on the unit's own delivered equipment and not on a demonstration set; a quick-reference card fixed at the working position; and a named point of contact for the item.

This instruction is not a substitute for the curriculum, assessment and certification at Chapter 12, and no officer is certified on it. The instruction material passes to the Department at handover with a perpetual right to reproduce, translate and deliver it to its own officers. Completion is recorded per unit and is a precondition of that unit's site acceptance.

10.2.7 How an item is accepted

No item in this chapter is accepted on a declaration, a datasheet, a compliance table or a demonstration on the supplier's own material. Every block below closes with an acceptance criterion measured on Department-supplied material by a published method, producing a retained record. Four rules govern acceptance.

- The Department publishes the test and the bidder does not choose it: methods, datasets, thresholds and time allowances are at Annexure B and, for the proof of concept, at Annexure F.
- There is no deemed acceptance. Departmental delay in inspecting tolls the supplier's obligations and damages exposure for the affected units under Chapter 18, but never converts an untested item into an accepted one.
- Acceptance is unit-wise and stage-wise: an item is accepted at the unit at which it is deployed, at the stage at which its criterion is capable of being tested, under Chapter 18.
- A failed measurement is a failed item: where a block states several measurements, every one is a pass condition, and the item is not accepted on a majority.

10.2.8 Submissions required with the technical bid

Table 10.9: Submissions required with the technical bid

Ref	Submission	Applies to
SB-1	Clause-by-clause compliance statement in the published format, against every mandatory and evaluated requirement of every item offered	All items
SB-2	Supported-platform matrix, maintained through the support term	Every acquiring or examining item
SB-3	Tool-validation dossier with method, dataset, expected and observed results, known limitations and failure modes	Every acquiring, processing or interpreting item
SB-4	Licensing disclosure stating the entitlement period, the basis of any renewal offered, the concurrency model, and the complete text of every term governing expiry, activation, reactivation, transfer and deactivation	Every licensed item
SB-5	Data-path declaration for every component of every item offered, covering telemetry, usage reporting, analytics, crash reporting and entitlement communication	All items
SB-6	Software bill of materials with every known published vulnerability in an included component disclosed, with severity and a dated remediation commitment	Every item carrying software
SB-7	Declared benchmark scores on RW-5, on the benchmark and version published at Annexure B	HW-03, HW-04, HW-05
SB-8	Declared sustained acquisition rates on RW-1 and RW-2, with hashing enabled	HW-04, HW-05, HW-06, HW-07
SB-9	Declared sustained electrical load per machine class under the concurrent high-load condition, and declared runtime at that load	HW-03, HW-04, HW-05, IN-07, IN-08
SB-10	Ingress protection ratings, declared operating temperature and humidity ranges, and battery endurance figures	HW-07, IN-07, IN-

Ref	Submission	Applies to
	for each item offered, each evidenced by the manufacturer's published datasheet	08
SB-11	Undertaking of support availability for not less than five years from delivery, and that no item offered is end-of-sale, end-of-support or end-of-life at bid date	All hardware, and every software item
SB-12	Principal's authorisation letter in the published format, for items classified authorisation-required at Chapter 16	As classified at Chapter 16
SB-13	Principal's written undertaking under LC-6, confirming LC-1 to LC-5 for each software item offered, naming this tender	Every software item (a bid-responsiveness requirement)
SB-14	Defect-management statement: how a defect is received, classified, worked around and corrected, and the register format evidencing the obligations at Table 10.7	Every item carrying software
SB-15	Offer schedule: the item offered against every identifier at Chapter 9, with the principal, offered build and quantity for each	All items
SB-16	Scope boundary undertaking: an express undertaking that no inter-unit connectivity of any kind, and no integration, interface development or data migration with any national platform, is offered or priced	All items

10.3 Software requirements

This section specifies the thirteen software capability items SW-01 to SW-13, one block to each. Where an item is deployed at more than one grade the grades appear side by side in a single block; a grade is a difference in what a unit is required to do and not a difference in the capability procured.

No requirement in this section is satisfied by a declaration, a brochure, a datasheet or a compliance table alone.

Each block below states the coverage expected of the item as its function requires: the device and operating-system platforms, the full-disk and volume encryption schemes, the forensic image and container formats, the file systems, the artefact, application and record classes, the codecs, and the ledgers and account classes. Each such statement is written under GR-15, opened by the words "including at minimum but not limited to" and closed by the words "in the versions prevalent at the date of bid and any later versions released during the contract term". Every name in such an enumeration is indicative of its class and none is a sole-source condition; every enumeration is a floor and not a ceiling; and an item that covers the enumerated minimum by a different internal means, or that covers more, is compliant. The wider working enumeration against which each acceptance test is actually run, being broader than the floor stated in the block, is held in the Department-owned acceptance-test dataset at Annexure B, which the Department refreshes without amendment to this Request for Proposal. Coverage of a version released during the contract term is an update obligation inside the LC-1 currency period and does not enlarge or abridge LC-2.

Sections 10.2.2 and 10.2.3 bind every item in this section without exception. A block silent on them is not relieved of them, and a bid that qualifies either clause in respect of any item offered is non-responsive as to that item.

10.3.1 Obligations common to every software item

The following apply to every item in this section, are not repeated in the individual blocks, and are each tested at acceptance for every item.

- Offline operation. Every item deployed at a field unit, and every item deployed in an offline zone at Headquarters, shall install, activate, operate, process, report and export with the deploying unit permanently disconnected from every external network. No function required by this section may depend on reaching a service outside the unit.
- Offline activation and offline update import. For every item deployed at a field unit or in an offline zone at Headquarters, entitlement activation shall be capable of completion offline, by an artefact carried on registered removable media under the crossing control at Chapter 4. Updates, signature sets, definition sets and version upgrades shall be importable as offline packages, each package's integrity verifiable by the receiving unit before import. For an item in a Headquarters zone carrying a managed external connection, the equivalent obligation is that the item shall not lapse, degrade or disable itself on a loss of that connection lasting up to thirty consecutive days, and shall restore full function on reconnection without

supplier attendance. The enforcement mechanism is at the bidder's discretion; no licensing model is mandated and none is excluded.

- No dependency between units. No item shall require, assume, provide or price a connection to any other unit. No item shall be delivered as a shared instance serving more than one unit. No synchronisation, replication, consolidation, package exchange or reconciliation of data between units is required, permitted as a substitute for a specified function, or to be priced.
- No national-platform dependency. No item shall require, and no bidder shall price, integration, interface development, application-programming-interface work, data migration or system-to-system linkage with any Government-operated national platform. Officers use those platforms through their existing interfaces from the Controlled Internet Zone, and no item in this section is a party to that work.
- Data localisation. Every exhibit, forensic image, working copy, extracted artefact, derived intermediate, device identifier and item of case metadata shall be processed and retained on Government-controlled infrastructure situated in India, and none may be transmitted to, cached on or processed on infrastructure outside Indian jurisdiction at any point, whatever the supplier's internal topology. The bidder shall declare the complete data path of every offered item in its technical bid, and the declared path is a term of the contract. Where an item's function requires a query to a dataset held outside the unit (a public distributed ledger, or a sanctions or registry designation list), only the query value passes the declared egress; no exhibit, forensic image, working copy, case identifier, exhibit identifier, operator identity or personal datum of an identifiable individual accompanies it, and the result returned is written to Government-controlled storage situated in India. Where an item's function is the acquisition of a service or cloud account under lawful authority, the account identifier and the authentication token or credential relied on necessarily pass the declared egress and nothing else does: no exhibit, forensic image, working copy, case identifier, exhibit identifier, operator identity or datum of any person other than the account holder accompanies them, the acquired content is written on receipt to Government-controlled storage situated in India, and no copy, cache, index or derived intermediate of it is created or retained outside Indian jurisdiction. This paragraph is the sole exception to the data-localisation obligation, and Table 10.4, EV-13 is read subject to it.
- Identity and session logging. At a field unit, authenticated operator identity with per-session logging to tamper-evident local storage. At Headquarters, administrative access shall additionally require multi-factor authentication. Every evidentially significant action shall be logged with the operator identity, the date and time, the item name and build identifier, the method invoked and its parameters, and the outcome. Logs shall be immutable: no operating or administrative identity may edit or delete an entry, and a correction is a superseding entry preserving the original.
- Hashing and verification. Every acquisition, verification and export shall carry a digest computed with a published cryptographic hash algorithm of not less than 256-bit digest length, recorded against the item to which it relates. The algorithms acceptable for that digest are, including at minimum but not limited to, SHA-256, SHA-384 and SHA-512 of the Secure Hash Algorithm 2 family and SHA3-256, SHA3-384 and SHA3-512 of the Secure Hash Algorithm 3 family, or any published algorithm of not less than 256-bit digest length and of equivalent or better cryptographic standing. MD5 and SHA-1 do not satisfy this obligation: neither is acceptable as the primary or as the sole digest of any acquisition, verification or export, and no digest of less than 256 bits is acceptable for that purpose. Either may be computed and recorded in addition, for cross-tool comparison and for reconciliation with material received from another laboratory, and neither replaces the primary digest. The algorithm used shall be recorded against every digest, so that a digest can never be presented without its algorithm. Every verification shall record its result; a mismatch shall be recorded and shall not be capable of suppression.
- Open formats and portability. Every report, summary, certificate, manifest, log export and register export shall be producible in an open, non-proprietary format, those formats including at minimum but not limited to comma-separated values, JSON and XML for record sets, manifests and logs, PDF/A to ISO 19005 for certified and printable output, and OpenDocument to ISO/IEC 26300 or an equivalent open document format for editable output, in the versions prevalent at the date of bid and any later versions released during the contract term. No evidential artefact and no record may be held in a form requiring a specific supplier's software to read. On expiry or termination the supplier shall deliver a complete export in open formats with hashes and manifests.

- Language. Every item that processes content shall ingest, render, index and search content in Hindi and in the Devanagari script without transliteration or loss, and shall handle right-to-left scripts. Every item that produces a report shall produce it in Hindi and in English, demonstrated on Department-supplied material.
- Supported-platform matrix. For every item whose capability varies with the platform, generation or encryption state of the material examined, the bidder shall submit a supported-platform matrix as at bid date and reissue it at not more than quarterly intervals throughout the support term. Support for a subsequent public release of a supported platform shall be delivered within ninety days of that release. Coverage is demonstrated on the Department's own material, whose composition is published by class (platform family, encryption state and age band) and, where a class is most exactly identified by the platform's own name, by that name under GR-15. Every enumeration of platforms, devices, encryption schemes, formats, file systems, applications, codecs, ledgers, account classes and versions in this section is a minimum and not a limit, and the item shall additionally support any further member of the same class, including one released during the contract term. That further-version obligation is discharged inside the currency period at LC-1 and neither enlarges nor abridges LC-2. A supported-platform matrix that narrows, qualifies or excludes any enumerated minimum stated in a block below is a statement of non-compliance with that block.
- Tool-validation dossier. For every item the bidder shall submit a validation dossier for the exact build offered, evidencing validation against a known-answer dataset and stating the method, the dataset, the results obtained, the known limitations and the failure modes. It shall be reissued on every major version delivered during the term. A dossier recording no limitation and no failure mode is not accepted.
- Currency of the offered build. Every item shall be offered at a current supported release not announced end-of-sale or end-of-support at bid date, with a supplier undertaking that support will remain available for not less than five years from delivery.
- The boundary against hardware warranty. Hardware warranty language does not apply to an entitlement and is not read into it. Where an item includes a physical deliverable (a cable, adapter and power kit, a dongle, an appliance), that deliverable separately carries the hardware warranty at Table 10.8, and Sections 10.2.2 and 10.2.3 attach to the software.
- Concurrency. Where a concurrency figure is stated in a block, it is a throughput obligation at the deploying unit, delivered by any licensing mechanism at the bidder's option and at no additional cost at any time during the term.
- Acceptance methods. Acceptance methods, datasets, sample sets, thresholds and time allowances are published at Annexure B and, for the proof of concept, at Annexure F. Supplier-provided test methods, supplier-supplied datasets and supplier-conducted demonstrations on supplier-supplied material are not admissible as evidence of compliance.

10.3.2 What continued operation preserves, and what it does not

Section 10.2.2 guarantees that every software item continues to function after the update period ends, in perpetuity, at no further cost. That guarantee is complete as to the software and as to the Department's own data; it does not guarantee that an item remains as useful as it was on the day the updates stopped.

For six items the value sits in a dataset or capability set that must be continuously refreshed to keep pace with devices, platforms and protection states that did not exist when the tool was written, with services whose interfaces change, with an attribution dataset that grows, or with generation techniques that improve. For those items, continued operation preserves the tool and everything the Department has already done with it, but not investigative currency. They are named in Table 10.10, with what continued operation preserves for each and what it does not. Renewal of these six is a foreseeable recurring requirement carried as a commercial position at Chapter 14.

Table 10.10: Items whose usefulness depends on a continuously refreshed dataset

Item	What continued operation preserves	What continued operation does not preserve
SW-03: Mobile Forensic Acquisition and Analysis Suite	The installed suite, every extraction already made and every artefact set already decoded, with their manifests, acquisition logs and reports	The ability to acquire from, and to decode the application data of, device platforms, protection states and application versions released after the update period ends
SW-04: Authorisation-Gated Advanced Access	The installed capability and every acquisition already made with it, together with the complete authorisation	The ability to address devices and protection states released after the update period ends

Item	What continued operation preserves	What continued operation does not preserve
Capability	and per-attempt record	
SW-05: Lawful Cloud and Account Acquisition Module	The installed module, its approval workflow and every acquisition already made	The ability to acquire from services whose interfaces change after the update period ends
SW-08: Online and Anonymised-Network Investigation Platform	The installed platform, the collection workflow and every capture already made, with its manifests and session logs	The ability to reach and render resources published after the update period ends, on overlay networks and on services whose transports, protection states and rendering behaviour change
SW-09: Virtual-Asset and Distributed-Ledger Analytics	The installed capability and every analysis already produced, with its graphs, record sets and query records	Currency of the attribution dataset, which is the substance of the capability rather than an adjunct to it
SW-11: Media Authenticity and Synthetic-Media Analysis	The installed capability and every finding already produced, with its confidence records and validation evidence	Detection performance against generation techniques emerging after the update period ends

Nothing in this section qualifies the clause at Section 10.2.2. Every one of the six items continues to install, activate, open, process and export in perpetuity at no further cost, and the Department's data in each remains readable and exportable in open formats.

10.3.3 SW-01: Computer Forensic Analysis Suite

Purpose and deployment. Acquires, verifies and examines host and computer storage, and performs the bounded triage examination of the published standard. Four licences at Headquarters, one at each of the seven Commissionerates and one at each of the sixty-eight Districts; seventy-nine in total. Laboratory grade at Headquarters and the Commissionerates, field grade at the Districts. Evidence Processing Zone only.

Table 10.11: SW-01 grade variants

Requirement area	Field grade	Laboratory grade
Acquisition and verification	Full	Full
Forensic image and container formats at requirement 1	Full	Full
Core file-system families at requirement 3	Full	Full
Extended file-system families	Evaluated	Mandatory
Full-disk and volume encryption schemes at requirement 13	Full	Full
Mainstream media container and codec decode at requirement 14	Full	Full
Recorder-native and closed recorder containers	Not required; referred to Headquarters under criterion R-9	Not required; held at Headquarters at SW-10
Search, carving, timeline, artefact recovery	Full	Full
Bounded triage examination	Full	Full
Multi-volume and device-array reconstruction	Not required	Mandatory
Single exhibit exceeding the deploying unit's working storage	Not required	Mandatory
Concurrent processing sessions	Not fewer than two	Not fewer than two

Mandatory functional requirements.

- Acquire from a host storage device, a removable storage device and a mounted volume through a hardware write-blocking path, producing a verified forensic image in an open, published forensic container format or as an unaltered raw image, with a hash manifest and an acquisition log. The suite shall write, and shall read, the forensic image and container families in general forensic use, including at minimum but not limited to raw or dd images with an accompanying hash manifest, the expert-witness formats E01 and Ex01 and their logical counterparts L01 and Lx01 or equivalent expert-witness formats, and AFF4 and AFF4-L, in the versions prevalent at the date of bid and any later versions released during the contract term. It shall additionally read the optical and virtual-disk containers in general circulation, including at minimum but not limited to ISO 9660, UDF, VMDK, VHD, VHDX and QCOW2, so that material received from another laboratory is readable without conversion loss.
- Verify an image against the digest recorded at acquisition and record the result against the exhibit.
- Read and process the file-system families in which the dominant desktop platform, the alternative desktop platform and the two dominant mobile operating-system families store data, and those in general use on removable media, including at minimum but not limited to NTFS, ReFS, exFAT, FAT32 and FAT16, APFS and HFS+, ext2, ext3 and ext4, XFS, Btrfs and F2FS, together with the ISO 9660 and UDF optical file systems, in

the versions prevalent at the date of bid and any later versions released during the contract term. That enumeration is the mandatory core, and it is a floor and not a ceiling. The evaluated extended set, and the wider working enumeration against which the acceptance test is run, are held at Annexure B.

- Recover deleted and unallocated content by signature-based and structure-based carving, presenting each recovered object with its recovery basis, offset and integrity state.
- Index and search the acquired set by keyword, keyword list, pattern expression and digest value, across Hindi, Devanagari and English content, returning the location of every hit and its context.
- Reconstruct a timeline from file-system, system configuration-store, event-log and application timestamps, stating the time source and time-zone treatment of each entry.
- Recover and present the artefact classes enumerated at Annexure B, at minimum system configuration-store entries, system and event logs, browser activity, messaging content, documents, mail stores, cloud-client remnants and records of removable-device connection.
- Perform the bounded triage examination: an automated pass against the artefact list published with the triage standard, producing a hashed, case-bound triage package and an investigating-officer summary stating what was searched, what was found, what was not searched and why, and the result of the escalation test.
- Sustain not fewer than two concurrent processing sessions at the deploying unit.
- Group, rank and present large image and video sets for review by a classifying pass whose basis is recorded against each item, every ranked item remaining individually inspectable. A classification is a review aid and never a finding; the report shall state which items an officer reviewed and which were not.
- Produce an examination report carrying exhibit identifiers and the digests recorded on receipt and at each stage, item name and build identifier, method and parameters applied, operator identity and dates, findings, and the limitations of the examination.
- Examine material originating from the desktop and server operating-system platforms in operational circulation, including at minimum but not limited to Microsoft Windows, Apple macOS, and the major Linux distributions of which Ubuntu, Debian and Red Hat Enterprise Linux and their derivatives are indicative, in the versions prevalent at the date of bid and any later versions released during the contract term; and read and process the artefact stores of the two dominant mobile operating-system families, Apple iOS and iPadOS and Google Android, where such material is presented to it on a computer exhibit, on a backup or on removable media. The suite itself runs on the delivered workstation of the class at which it is deployed; the platforms enumerated here are those of the material examined, and no requirement is made as to the platform on which the suite executes.
- Detect the full-disk and volume encryption schemes in operational circulation, and open them where a valid user credential, recovery key or key protector is lawfully available, those schemes including at minimum but not limited to Microsoft BitLocker and BitLocker To Go, Apple FileVault, the Linux Unified Key Setup and dm-crypt, and VeraCrypt volumes and containers and equivalent full-disk and container encryption products, in the versions prevalent at the date of bid and any later versions released during the contract term. Where a scheme is detected and no credential is available, the suite shall record the scheme, the volume and the fact that it was not opened, and shall not present that volume as empty, as unallocated or as unencrypted. Where a credential is used, the fact and the basis of the decryption are recorded in the acquisition log and are not capable of suppression.
- Decode, render and play the mainstream image, video and audio container and codec families in which exhibit media is ordinarily held, including at minimum but not limited to the image formats JPEG, PNG, TIFF, BMP, GIF, WebP, HEIF and HEIC and AVIF; the container formats MP4 and the ISO base media file format, QuickTime MOV, Matroska MKV, WebM, AVI, MPEG-2 transport stream and program stream, and 3GP; the video codecs H.264 or AVC, H.265 or HEVC, MPEG-2, MPEG-4 Part 2, VP8, VP9, AV1 and Motion JPEG; and the audio codecs AAC, MP3, PCM or WAV, FLAC, Opus, AMR and AC-3; in the versions prevalent at the date of bid and any later versions released during the contract term. This requirement does not extend to a recorder-native or closed container produced by closed-circuit recording equipment. That capability is held at Headquarters at SW-10, no field unit is required to hold it or an equivalent, no field unit is required to decode such a container, a bidder shall not price a field unit to do so, and an exhibit held in such a container is referred to Headquarters under referral criterion R-9.

- At laboratory grade, additionally: reconstruct a multi-volume set and a device array from its member images and present the reconstructed volume for examination, the array and volume-manager classes reconstructed including at minimum but not limited to striped, mirrored, parity and combined striped-and-mirrored arrays and the software volume managers of the platforms at requirement 12; process the extended file-system families; and process, by staged or streamed working against the acquired image, a single exhibit whose acquired volume exceeds the working storage available at the deploying unit, being an exhibit whose acquired volume exceeds the solid-state scratch capacity of the laboratory-grade workstation at Table 10.16, that capacity being not less than 4 TB. The exhibit used is the oversized reference exhibit published at Annexure B for the class under test, the same exhibit as is used at CHL-1 of the concurrent high-load acceptance test at Table 10.17.

Evaluated requirements. File-system families beyond the mandatory core at requirement 3; forensic image, container and virtual-disk formats beyond those at requirement 1; encryption schemes beyond those at requirement 13, and key-recovery from a memory image or a hibernation file; media containers and codecs beyond those at requirement 14; artefact classes beyond those enumerated; accuracy and recorded basis of the classifying pass at requirement 10; use of the workstation's graphics compute to accelerate that pass and media decode, evidenced by a measured elapsed-time difference on Department-supplied material with acceleration enabled and disabled; scripted repeatable processing under operator control; cross-exhibit correlation within a case at field grade. Scored, not disqualifying.

Evidentiary and audit obligations. The report shall distinguish a finding from an inference and state what was not examined. The suite shall not permit modification of an acquired image; any operation that would alter data is performed on a working copy, the original retained and re-verifiable.

Activation, concurrency and support. The concurrency at requirement 9 is delivered by any licensing mechanism at the bidder's option, at no additional cost during the term.

Interoperability and export. Read and write the forensic container formats at requirement 1 and the wider set listed at Annexure B; export findings, artefact sets, logs and the complete processing chain in the open formats at Section 10.3.1, which a second examiner can follow without the suite.

Acceptance. On the Department's known-answer image set, each numbered requirement is verified by the corresponding row of the SW-01 acceptance test at Annexure B: acquisition and verification without altering the source; recovery of every planted artefact of every enumerated class; return of every planted search term including terms in Devanagari; reconstruction of the planted timeline; the triage package and summary; the ranked image and video set with the basis recorded against each item; two concurrent sessions; the report at requirement 11. The image and container formats at requirement 1 are proved by writing an image in each mandatory output format and reading a Department-supplied image in each mandatory input format, each read image hash-verifying against the Department's own record. The file-system families at requirement 3 are proved by mounting and searching a Department-supplied volume of each enumerated family. The encryption schemes at requirement 13 are proved on Department-supplied volumes of each enumerated scheme, presented both with and without a credential, the item opening the volume where a credential is supplied and recording the scheme, the volume and the fact of non-opening where none is. The media formats at requirement 14 are proved by decoding and playing a Department-supplied file of each enumerated container and codec, a file that does not decode producing a logged failure record. At laboratory grade it additionally reconstructs the planted multi-volume set and processes the oversized exhibit published at Annexure B. A write-verification record evidencing that no write occurred on the source is retained.

10.3.4 SW-02: Alternative-Platform Acquisition and Volume-Decryption Utility

Purpose and deployment. Acquires storage from the alternative desktop platform, including hardware generations with non-removable storage and a dedicated security co-processor, and opens full-volume encryption where a valid credential or recovery key is lawfully available. One instance at Headquarters, Evidence Processing Zone.

Mandatory functional requirements.

- Acquire the internal storage of desktop and portable hardware of the alternative desktop platform, across the hardware generations in operational circulation, including generations whose storage is not removable

and generations carrying a dedicated security co-processor. Those generations are, including at minimum but not limited to, Apple silicon Macintosh hardware of the M-series and Intel-based Macintosh hardware, the latter both with and without the dedicated security co-processor; and the operating-system releases covered are the current and the immediately preceding major release of macOS at the date of bid, together with any later major release issued during the contract term. Output is a verified image in an open forensic container format, including at minimum but not limited to E01, Ex01 or AFF4, or an unaltered raw image, in each case with a hash manifest.

- Perform that acquisition through the host-target and the recovery-environment acquisition modes the platform provides, those modes including at minimum but not limited to the host-target disk mode presented by Intel-based hardware, the share-disk mode presented from the recovery environment of Apple silicon hardware, and acquisition performed from within the recovery environment itself, in the forms prevalent at the date of bid and any later forms the platform provides during the contract term; in every mode without installing software on the target and without writing to the target's user data.
- Read, mount and present the volume and file-system structures of that platform, including at minimum but not limited to APFS with its containers, volumes, snapshots, clones, encrypted volumes and multi-device configurations, and HFS+, in the versions prevalent at the date of bid and any later versions released during the contract term.
- Decrypt a full-volume-encrypted image where a valid user credential, recovery key or institutional key is available, the encryption schemes covered including at minimum but not limited to Apple FileVault on APFS-encrypted volumes and on legacy CoreStorage volumes, and record the fact and basis of the decryption in the acquisition log.
- Identify, and present for decoding, any mobile device backup held on the acquired volume, in both unencrypted and encrypted form, those backups including at minimum but not limited to backups of Apple iOS and iPadOS devices, and the releases covered being the current and the immediately preceding major release of iOS and iPadOS at the date of bid together with any later major release issued during the contract term. Decoding of the artefact content of such a backup is performed in the environment of SW-03 at laboratory grade.
- Present the decrypted volume for examination in the analysis environment of SW-01, one case file carrying both acquisition and examination.
- Record, for every acquisition, the hardware generation, storage configuration, encryption state observed before acquisition, and acquisition mode used.
- Operate offline throughout.

Evaluated requirements. Acquisition from hardware generations no longer in production, and from major releases of macOS earlier than the immediately preceding one; recovery of the file-system structures of that platform's unmaintained releases, of which HFS and HFS+ volumes carrying legacy structures are indicative; handling of a target in a degraded or non-booting state; acquisition of the platform's system and data volume pair as a single verifiable set; recovery of deleted APFS snapshots. Scored, not disqualifying.

Evidentiary and audit obligations. The utility shall not write to the target's user data at any point, and shall produce a record evidencing that no such write occurred. A failed decryption attempt and its reason shall be recorded and shall not be capable of suppression.

Interoperability and export. Output in an open forensic container format, including at minimum but not limited to E01, Ex01 or AFF4, or as an unaltered raw image, readable by SW-01 without conversion loss, the hash manifest carried with the image.

Acceptance. On Department-supplied hardware of the alternative desktop platform, drawn from the generation classes published at Annexure B, comprising, including at minimum but not limited to, one Apple silicon machine and one Intel-based machine carrying the dedicated security co-processor, and presented in both encrypted and unencrypted states, the utility acquires the internal storage in every acquisition mode at requirement 2 that the presented hardware provides, and in not fewer than two distinct modes across the presented set; produces an image whose digest verifies; mounts and presents the volume and file-system structures at requirement 3, including a planted snapshot; decrypts the encrypted volume against the credential the Department supplies; identifies the planted mobile device backup at requirement 5 and presents

it for decoding; and produces the record evidencing that no write occurred on the target. Every one of those is a pass condition. Verification is by the SW-02 acceptance test at Annexure B.

10.3.5 SW-03: Mobile Forensic Acquisition and Analysis Suite

Purpose and deployment. Acquires and analyses mobile devices. One licence at Headquarters at laboratory grade; two at each of the seven Commissionerates and one at each of the sixty-eight Districts at field grade; eighty-three in total. Evidence Processing Zone only.

Table 10.12: SW-03 grade variants

Requirement area	Field grade	Laboratory grade
Logical and file-system acquisition	Full	Full
Physical acquisition where the device state permits	Full	Full
Accessible, consented and after-first-unlock devices	Full	Full
Encrypted-backup handling	Full	Full
Artefact decoding and reporting	Full	Full
Concurrent device acquisitions	Not fewer than three	Not fewer than three
Decoding of extractions produced by SW-04 and SW-05	Not required	Mandatory
Cross-exhibit correlation within a referred case	Not required	Mandatory
Extraction exceeding the field working-storage envelope	Not required	Mandatory

Mandatory functional requirements.

- Perform logical, file-system and physical acquisition, as the device state permits, from devices of the two dominant mobile operating-system families, including at minimum but not limited to Apple iOS and iPadOS and Google Android in the versions prevalent at the date of bid and any later versions released during the contract term, and from the feature-phone platforms still encountered in casework, in accessible, consented and after-first-unlock states, producing a verified extraction with a hash manifest and an acquisition log.
- Support acquisition across the application-processor families found in devices in operational circulation in India, including at minimum but not limited to Qualcomm Snapdragon, MediaTek, Samsung Exynos, UNISOC (formerly Spreadtrum), HiSilicon Kirin and the Apple A-series, and across the chipset-based acquisition classes in common forensic use, including at minimum but not limited to emergency download mode on Qualcomm-based devices, boot-read-only-memory and preloader modes on MediaTek-based devices, bootloader-based and recovery-based acquisition, debug-bridge-based logical acquisition, backup-service-based acquisition, and agent-based full-file-system acquisition; in each case only so far as the device state, the device's protection state and the lawful authority permit. Coverage is evidenced by the supported-platform matrix and demonstrated on the Department's device set, whose composition is published by platform family, encryption state and age band.
- Read and process the file systems and encryption states in which the supported mobile platforms hold data, including at minimum but not limited to APFS and HFS+ on Apple platforms and ext4, F2FS and exFAT on Android platforms; and identify and record the device's encryption state, distinguishing full-disk from file-based encryption, and recording, where the extraction obtained is partial by reason of that state, precisely what was not obtained and why.
- Ingest and decode device backups and backup archives in the formats in general circulation, including at minimum but not limited to Apple iOS and iPadOS device backups in both unencrypted and encrypted form, Android debug-bridge backup archives, and the manufacturer backup archives produced by the handset makers whose devices circulate in India, in the versions prevalent at the date of bid and any later versions released during the contract term, where the credential is lawfully available; and record the basis on which each was opened.
- Decode and present application, messaging, call, contact, browser, location and media artefacts, and present every location record categorised by its source artefact (device-derived, application-derived, media-metadata-derived or network-derived), the source stated for each record. The application data stores decoded shall include, at minimum but not limited to, SQLite databases together with their write-ahead logs, rollback journals, freelist pages and unallocated pages; Property List files in both binary and

XML form; Android Binary XML; Realm databases; LevelDB stores; Protocol Buffer encoded records; and JSON and XML stores. The messaging, social and communication applications decoded shall include, at minimum but not limited to, WhatsApp, Telegram, Signal, Facebook Messenger, Instagram, Snapchat, X (formerly Twitter), Viber, Discord, Skype, WeChat, LINE, Apple iMessage, and Google Messages including rich-communication-services messaging, in the versions prevalent at the date of bid and any later versions released during the contract term, and in each case so far as the acquisition class obtained and the application's own protection permit. The native call, contact, calendar, browser, mail, media, notification and location stores of each supported platform are decoded in every case.

- Determine and record, for each media item, whether it was captured on the device, received through a messaging or social application, or downloaded, stating the metadata basis for the determination.
- Group, rank and present the extracted image and video set for review by a classifying pass whose basis is recorded against each item, every item remaining individually inspectable, the report stating which items an officer reviewed and which were not. A classification is a review aid and never a finding.
- Produce, without performing a content acquisition, a report recording the device identifiers, platform and patch level, storage state and installed applications, exportable in an open format.
- Sustain not fewer than three concurrent device acquisitions at the deploying unit.
- Deliver, at every deploying unit, the physical cable, adapter and power kit necessary to perform the acquisitions required above, as a named and separately verifiable deliverable, with a stated replenishment obligation over the term.
- Produce an examination report carrying exhibit identifiers and digests, item name and build identifier, acquisition method, operator identity and dates, the artefacts relied on, and what was not acquired and why.
- At laboratory grade, additionally: decode extractions produced by SW-04 and SW-05 within a common analysis environment offering a unified case, search and export model, whether or not that environment is a single executable; correlate artefacts across the exhibits of one referred case; and process an extraction exceeding the working-storage envelope of a field unit.

Evaluated requirements. Earlier-generation and feature-phone platforms beyond the mandatory set; application-processor families and acquisition classes beyond those at requirement 2; application decoding beyond the classes enumerated at requirement 5, and in particular the unified-payments-interface payment and wallet applications and the short-video and regional social applications in general use in India, of which PhonePe, Google Pay, Paytm, BHIM, ShareChat and Moj are indicative; decoding of vehicle, wearable and companion-device applications; recovery of deleted records from application data stores, including from write-ahead logs, journals, freelist and unallocated pages; accuracy and recorded basis of the classifying pass at requirement 7 and its use of the workstation's graphics compute, evidenced by a measured elapsed-time difference on Department-supplied material with acceleration enabled and disabled; currency of the supported-platform matrix. Scored, not disqualifying.

Evidentiary and audit obligations. Every acquisition shall record the device state as found, the method used, and, expressly, any modification to the device that the method necessarily caused. Where an application is decoded by a parser whose output the supplier cannot fully validate, the report shall say so.

Activation, concurrency and support. The concurrency at requirement 9 is delivered by any licensing mechanism at the bidder's option, at no additional cost during the term. The physical kit at requirement 10 carries the hardware warranty at Table 10.8 separately from Sections 10.2.2 and 10.2.3, which apply read with Table 10.10.

Interoperability and export. Extraction output in an open, published container format, including at minimum but not limited to raw or dd, E01 or Ex01, or AFF4 or AFF4-L, or as an unaltered raw image, in each case with a hash manifest; the suite shall additionally read an extraction or image produced by another laboratory in each of those formats. Artefact sets, timelines and reports exportable in the open formats at Section 10.3.1; a court-ready export a reader without the suite can open.

Acceptance. On the Department's device set, presented in the states published at Annexure B, each numbered requirement is verified by the corresponding row of the SW-03 acceptance test at Annexure B: the acquisition class published for each device; extractions whose digests verify; every planted artefact of every enumerated class decoded; every planted location record categorised by source; every planted media item classified by

origin; the ranked image and video set with the basis recorded against each item; the device-information report produced without acquiring content; three concurrent acquisitions. The enumerated coverage is proved on the Department's device set, which carries devices of each mandatory platform family and of each application-processor family at requirement 2, and on the Department's planted application set, which carries data of each application-data-store class and of each messaging, social and communication application enumerated at requirement 5; each enumerated member is a separate pass condition, and a member the offered item cannot decode is a failure as to that member and not a matter of score. Where the acquisition class obtained on a given device does not expose an application's data at all, the item passes as to that application by recording the fact and the reason and by not presenting the application as absent from the device. At laboratory grade the suite additionally ingests, without conversion loss and without supplier intervention, the reference extraction produced by the offered SW-04 capability and the reference acquisition produced by the offered SW-05 module, each carried across on registered removable media under the crossing control at Chapter 4, and decodes from each every planted artefact of every enumerated class within one case, correlating them with the artefacts of a second exhibit of that case; a decode requiring a conversion step not published in the tool-validation dossier of either item is a failure of this criterion, verified by the joint SW-03, SW-04 and SW-05 acceptance test at Annexure B. The physical kit is verified item by item against the published kit list.

10.3.6 SW-04: Authorisation-Gated Advanced Access Capability

Purpose and deployment. Assisted access to locked devices, exercisable only under the written approval of the authorised officer, being an officer of the Cyber Crime Headquarters of a rank designated by the Department for the purpose, recorded before the attempt. One instance at Headquarters and at no other unit, in the separately administered Authorisation-Gated Capability Zone: one location, one authorisation register, one audit trail.

Mandatory functional requirements.

- Assist access to a locked device in both the before-first-unlock and the after-first-unlock states, across the locked-device population encountered in casework. That population comprises, including at minimum but not limited to, devices of Apple iOS and iPadOS and of Google Android in the versions prevalent at the date of bid and any later versions released during the contract term; devices of the application-processor families at SW-03 requirement 2; and the screen-lock, full-disk-encryption, file-based-encryption and hardware-backed-keystore protection classes in operational circulation. Coverage is evidenced by the supported-platform matrix and demonstrated on the Department's controlled device set, and is required only to the extent the device's own protection state and the lawful authority permit.
- Operate an unattended, resumable workflow that survives disconnection, interruption and restart without loss of progress, resuming from the point reached.
- Operate on not fewer than two devices concurrently and without operator attendance, an operation in progress occupying no operator position for its duration. Two is the floor and no higher number is prescribed; the number sustained above two is an evaluated requirement and is not disqualifying.
- Gate every operation behind a request-and-approval step, so that no attempt can begin until an approval referencing the authorisation is recorded, and produce a per-attempt audit record carrying operator identity, date and time, authorisation reference, case and exhibit identifiers, method class, duration and outcome.
- Deliver the capability by an on-premises appliance, a locally hosted server, or a service hosted on Government-controlled infrastructure situated in India, at the bidder's option; no architecture is mandated. Where any part is delivered as a hosted service, every request shall be individually authorised, transported under mutual authentication and encryption, and logged end to end.
- Present the resulting extraction, with its hash manifest, for decoding in the analysis environment of SW-03 at laboratory grade, the transfer from the Authorisation-Gated Capability Zone to the Evidence Processing Zone being made on registered removable media under the recorded crossing control at Chapter 4 and by no other path.

Evaluated requirements. Breadth of the supported-platform matrix; proportion of the Department's controlled set addressed within the published time allowance; number of operations sustained concurrently and unattended; granularity of the per-attempt record. Scored, not disqualifying.

Evidentiary and audit obligations. No attempt may be performed without a recorded authorisation, and the item shall be incapable of performing one. The authorisation register entry, per-attempt record and zone access log are retained for the period at Annexure L and inspected quarterly by the Quality and Review Authority and annually by the Independent Auditor. No evidence, extracted artefact, device identifier or derived intermediate may leave Indian jurisdiction at any point, and the bidder shall declare the complete data path.

Activation and support. The supported-platform matrix is reissued quarterly. Sections 10.2.2 and 10.2.3 apply, read with Table 10.10.

Interoperability and export. Extraction output in an open container format, including at minimum but not limited to raw or dd, E01 or Ex01, or AFF4 or AFF4-L, or as an unaltered raw image, in each case with a hash manifest, decodable by SW-03 without conversion loss.

Acceptance. On the Department's controlled locked-device set, presented by class and not by brand, the capability refuses an attempt for which no approval is recorded; completes the approval-gated attempt for each device the Department publishes as in scope, within the published time allowance; resumes without loss after a forced interruption; runs operations on more than one device concurrently and without operator attendance, each completing with no operator present; and produces a per-attempt record carrying every element at requirement 4. The data path declared in the bid is verified against the deployed configuration. Verification is by the SW-04 acceptance test at Annexure B.

10.3.7 SW-05: Lawful Cloud and Account Acquisition Module

Purpose and deployment. Acquires evidence held in service and cloud accounts under lawful authority, exercisable only under the written approval of the authorised officer recorded before the acquisition. One instance at Headquarters, from a separately administered egress within the Authorisation-Gated Capability Zone, with no path to any evidence-processing system.

Mandatory functional requirements.

- Acquire the content of a service or cloud account under lawful authority, using an authentication token or credential lawfully obtained from an acquired device or lawfully furnished, without requiring the account holder's participation at the time of acquisition. The account classes addressed shall include, at minimum but not limited to: mainstream cloud storage and personal-cloud services, of which Apple iCloud and iCloud Drive, Google Drive and Google Workspace, Microsoft OneDrive and Microsoft 365, Dropbox, Box, Samsung Cloud and Xiaomi Mi Cloud are indicative; webmail and hosted mail services, of which Gmail, Outlook.com and Exchange Online, Yahoo Mail and Zoho Mail are indicative, together with mail reachable over the Internet Message Access Protocol; social and media-sharing services, of which Facebook, Instagram, X (formerly Twitter), LinkedIn, Snapchat and YouTube are indicative; and messaging services whose content is held or backed up in a service account, of which WhatsApp, Telegram, Viber and Discord are indicative; in each case in the service interfaces prevalent at the date of bid and any later interfaces published during the contract term, and in each case only so far as the service's own interface and the lawful authority permit.
- Bind every acquisition to the originating unit's case and exhibit identifiers before it begins, and refuse an unbound acquisition.
- Gate every acquisition behind a recorded approval referencing the written authorisation, and produce a per-acquisition audit record carrying operator identity, date and time, authorisation reference, account class, scope requested, scope obtained and outcome.
- Record and report the scope actually acquired against the scope requested, and state expressly what was not obtained.
- Write the acquired data to Government-controlled storage situated in India, with a hash manifest computed at the point of acquisition, and transmit or process it nowhere else.

- Present the acquired data, with its hash manifest, for decoding in the analysis environment of SW-03 at laboratory grade, within a unified case, search and export model, the transfer from the Authorisation-Gated Capability Zone to the Evidence Processing Zone being made on registered removable media under the recorded crossing control at Chapter 4 and by no other path.

Evaluated requirements. Account classes and named services addressed beyond the minimum at requirement 1; fidelity with which the acquired structure, folder hierarchy and service-side timestamps are preserved; acquisition of service-side activity, login, device and sharing records in addition to content; completeness of the scope-obtained record. Scored, not disqualifying.

Evidentiary and audit obligations. No acquisition without a recorded authorisation and a recorded approval. The token or credential used shall be recorded by reference and not reproduced in the report. The acquisition log shall record the time of acquisition against a synchronised clock.

Activation and support. A declared and contractually binding data path; no processing of any acquired artefact outside India. Sections 10.2.2 and 10.2.3 apply, read with Table 10.10.

Interoperability and export. Acquired data and its manifest in open formats; decoded output exportable in open formats; a court-ready export a reader without the module can open.

Acceptance. Against Department-controlled test accounts, populated by the Department and reachable from the Headquarters egress, the module refuses an acquisition not bound to a case identifier; refuses an acquisition for which no approval is recorded; acquires the published content of each test account under the token the Department supplies; produces a manifest whose digests verify against the Department's own record of what was planted; reports the scope obtained against the scope requested; and writes nothing outside the declared in-country path, verified by inspection of the deployed configuration. Verification is by the SW-05 acceptance test at Annexure B.

10.3.8 SW-06: Central Telecom Analytics Platform

Purpose and deployment. Correlates telecom records across the datasets of more than one operator and of more than one referred case held at Headquarters. One instance at Headquarters, Evidence Processing Zone. It correlates only the datasets lawfully brought to Headquarters on referral; it is not a State-wide data plane and holds no field caseload.

Mandatory functional requirements.

- Ingest call detail records, Internet Protocol detail records, subscriber and customer-application-form records, and tower-dump or cell-site-dump records, as issued by the licensed access and internet service providers operating in India, in the file and delimiter forms in which those providers commonly supply them. Those forms include, at minimum but not limited to, comma-separated and other delimited text, of which pipe-delimited and tab-delimited text are indicative; fixed-width text; spreadsheet workbooks in the .xls and .xlsx forms; and any of the foregoing supplied inside a password-protected archive; together with the operator-issued formats published at Annexure B, in the forms prevalent at the date of bid and any later forms issued during the contract term. The platform shall also provide an operator-definable column-mapping facility by which a record format not in that set is ingested at Headquarters without supplier intervention.
- Ingest the Department's reference dataset, being not less than fifty million records, within eight hours, and record the ingestion outcome including every rejected row and the reason for its rejection.
- Correlate across subscriber identifiers, equipment identifiers, cell identifiers and time, those identifiers including at minimum but not limited to the mobile station international subscriber directory number, the international mobile subscriber identity, the international mobile equipment identity, the integrated circuit card identifier, and the cell global identity with its location area or tracking area code; and, for Internet Protocol detail records, the public and private source and destination addresses, the port or port range and the session start and end times. Correlation shall run over records originating from more than one operator and from more than one referred case, returning a two-hop correlation query over the reference dataset within one hundred and twenty seconds.
- Perform link, temporal and geospatial analysis over the ingested set, presenting cell-site locations and movement against time; and ingest the operator-issued cell-site reference data by which a cell identifier is

resolved to a location, including at minimum but not limited to the cell identifier, latitude and longitude, azimuth, beam width and technology generation, in the forms in which the licensed service providers operating in India supply them.

- Apply role-based access control, and gate a query class the Department designates as sensitive behind a recorded approval by a second identity.
- Maintain an immutable audit log of every query executed, dataset ingested and export produced, carrying operator identity, date and time and the query terms.
- Export findings, link graphs, timelines and geospatial outputs in open formats, with the query that produced them, those formats including at minimum but not limited to comma-separated values, JSON and XML for record sets; GeoJSON or KML for geospatial outputs; GraphML or an equivalent open graph interchange format for link graphs; and PDF/A to ISO 19005 for certified and printable output.

Evaluated requirements. Ingest and query performance beyond the published thresholds; breadth of operator formats ingested without mapping; analytical presentations beyond those enumerated; granularity of the approval workflow. Scored, not disqualifying.

Evidentiary and audit obligations. Every output shall carry the dataset identifiers, query and parameters that produced it, so that a second analyst can reproduce it. Records rejected at ingestion shall be reported and never silently discarded.

Interoperability and export. Open-format export of every analytical output and of the underlying normalised records.

Acceptance. On the Department's reference dataset and its planted correlation cases, the platform ingests within the stated time, reports every rejected row, returns each planted two-hop correlation within the stated time and with the planted result, plots the planted cell-site movement, refuses a designated sensitive query until a second identity approves it, and produces an audit log in which every one of those actions appears. Verification is by the SW-06 acceptance test at Annexure B.

10.3.9 SW-07: Field Telecom Record Analyser

Purpose and deployment. The standalone analyser by which a field unit examines the telecom records of its own case on its own workstation. One at each of the seven Commissionerates and one at each of the sixty-eight Districts; seventy-five in total. Not deployed at Headquarters. It runs in the Evidence Processing Zone on the unit's analysis workstation and depends on no connectivity for activation, operation, ingestion, analysis or export.

Mandatory functional requirements.

- Ingest call detail records, Internet Protocol detail records and subscriber and customer-application-form records, as issued by the licensed access and internet service providers operating in India, in the file and delimiter forms at SW-06 requirement 1 and the operator-issued formats published at Annexure B, on a single workstation, for a bounded case dataset of not less than two million records, that dataset being the same bounded reference record set as is used at CHL-3 of the concurrent high-load acceptance test at Table 10.17, completing ingestion within thirty minutes and reporting every rejected row and its reason.
- Provide an operator-definable column-mapping facility by which a record format not in the published set is ingested by the unit itself, without supplier intervention and without connectivity.
- Correlate a single number and a set of numbers across the ingested dataset, over the identifier classes at SW-06 requirement 3, returning a correlation query within sixty seconds.
- Construct a timeline of the ingested records and plot cell-site locations and movement against time, resolving a cell identifier to a location from operator-issued cell-site reference data of the classes at SW-06 requirement 4, ingested at the unit and without connectivity.
- Apply authenticated operator identity with per-session logging to tamper-evident local storage.
- Export the analysis, timeline, plot and underlying normalised records in open formats, including at minimum but not limited to comma-separated values, JSON and XML for record sets, GeoJSON or KML for the plot, and PDF/A to ISO 19005 for the printable output; and produce a summary in the structure published at Annexure D for annexure to a case file.

Evaluated requirements. Dataset volume handled beyond the stated bound on the unit's own workstation; breadth of operator formats ingested without mapping; analytical presentations beyond those enumerated. Scored, not disqualifying.

Evidentiary and audit obligations. Every output shall carry the dataset identifiers and the query that produced it. Rejected rows shall be reported on the face of the analysis. No finding may be presented without the record set on which it rests being identifiable.

Activation and support. No function may depend on reaching a service outside the unit. Sections 10.2.2 and 10.2.3 apply.

Interoperability and export. Open-format export throughout; the exported record set readable without the analyser.

Acceptance. On the Department's bounded case dataset, delivered on removable media to a workstation disconnected from every network, the analyser ingests within the stated time, reports every rejected row, returns each planted correlation within the stated time and with the planted result, plots the planted movement, and exports in open formats. The operator-definable column-mapping facility is proved once for the offered item and not at each unit: at the proof of concept, and again at pre-dispatch inspection on the delivered build, the Department supplies a withheld record set in a format not published at Annexure B, and an officer of the Department, working from the delivered documentation alone, with the machine disconnected and with no supplier attendance, remote assistance or supplier-supplied mapping of any kind, defines the column mapping and ingests that set to the planted known answer within the time allowance published for that test. Supplier attendance, remote assistance or a mapping supplied by the bidder is a failure of this criterion. This item is also one of the concurrent workloads of the field-unit task set of the concurrent high-load acceptance test at Table 10.17, and shall meet the times above while the other workloads of that task set run; it forms no part of the Headquarters task set, no Headquarters workstation holding this item. Offline operation is verified by the network-isolation check applied to every field-grade item. Verification is by the SW-07 acceptance test at Annexure B.

10.3.10 SW-08: Online and Anonymised-Network Investigation Platform

Purpose and deployment. Collects and evidentially captures material published on the open internet and on anonymised overlay networks, under an egress that does not identify the request as the Department's. One instance at Headquarters, in the separately administered non-attributable egress segment of the Controlled Internet Zone, with no path of any kind to any evidence-processing system.

Mandatory functional requirements.

- Reach and retrieve a resource on the open internet and a resource published on an anonymised overlay network, the overlay networks reached including at minimum but not limited to Tor and I2P, in the versions prevalent at the date of bid and any later versions released during the contract term, under an egress that does not attribute the request to the Department.
- Capture the retrieved resource evidentially, the capture comprising the rendered view, underlying document source, transport metadata, an inventory of the resources loaded, the retrieval time against a synchronised clock, and a digest over each captured component. The capture shall be produced in open, published formats, including at minimum but not limited to WARC to ISO 28500 for the transaction record, PNG or PDF/A to ISO 19005 for the rendered view, and JSON or XML for the resource inventory and transport metadata; and shall be openable and verifiable without the platform.
- Bind every capture to a case identifier furnished by the originating unit before capture begins, and refuse an unbound capture.
- Maintain a session log recording operator identity, session start and end, egress path class used, every address requested and every capture produced.
- Operate in an isolated environment holding no persistent investigator credential, and provide a recorded means of resetting the environment to a known state between sessions.
- Export the capture set with its manifest in open formats, openable by a court or a reviewer without the platform.

Evaluated requirements. Breadth of egress paths managed; fidelity of capture on dynamic and script-driven resources; handling of authenticated resources under lawful authority; completeness of the resource inventory. Scored, not disqualifying.

Evidentiary and audit obligations. The capture is the evidence, its integrity established by the digest computed at capture and by the session log. No captured material may be placed on any evidence-processing system except on registered removable media under the recorded crossing control at Chapter 4. The platform holds no exhibit, no forensic image and no working copy at any time.

Activation and support. No dependency on any service that would attribute the Department; a declared data path with no processing outside India. Sections 10.2.2 and 10.2.3 apply, read with Table 10.10.

Interoperability and export. Captures and manifests in the open formats at requirement 2; session logs exportable in a structured text format, including at minimum but not limited to comma-separated values, JSON or XML.

Acceptance. Against Department-seeded reference resources, one published on the open internet and one on an anonymised overlay network, the platform retrieves each under the managed egress, produces a capture containing every component at requirement 2 whose digests verify against the Department's own record of what was published, refuses a capture not bound to a case identifier, produces a session log containing every element at requirement 4, and demonstrates by inspection of the deployed configuration that no path exists from the platform to any evidence-processing system. Verification is by the SW-08 acceptance test at Annexure B.

10.3.11 SW-09: Virtual-Asset and Distributed-Ledger Analytics

Purpose and deployment. Traces and attributes movements of virtual assets relevant to a referred case. One instance at Headquarters, Controlled Internet Zone. No exhibit, image or working copy is placed on it; its inputs are the addresses and transaction identifiers derived from an examination and carried across under the recorded crossing procedure, and its outputs return by the same route.

Mandatory functional requirements.

- Trace transactions across the distributed-ledger families in which virtual-asset offences are encountered in casework. Those families include, at minimum but not limited to: the unspent-transaction-output ledgers, of which Bitcoin, Bitcoin Cash, Litecoin and Dogecoin are indicative; the account-model and smart-contract ledgers, of which Ethereum and the Ethereum-Virtual-Machine-compatible ledgers BNB Smart Chain, Polygon, Avalanche and Arbitrum are indicative; and the high-throughput account-model ledgers, of which Tron and Solana are indicative; together with the fungible-token and stablecoin standards carried on them, of which the ERC-20 standard on Ethereum and the TRC-20 standard on Tron are indicative; in the forms prevalent at the date of bid and any further ledgers and token standards that come into casework use during the contract term. The wider working enumeration against which the acceptance test is run is held at Annexure B.
- Cluster addresses under a stated clustering basis, and state for each cluster the evidence on which the association rests.
- Attribute an address or cluster to a service or entity class where the supplier's attribution dataset supports it, stating the dataset, the date of the attribution and its confidence.
- Trace a movement across more than one ledger, and trace through a mixing or tumbling service to the extent the ledger data permits, stating expressly where the trace ends and why.
- Screen an address or entity against sanctions designations and against service-provider registries, stating the list, its version and its date, the lists screened including at minimum but not limited to the consolidated designations of the United Nations Security Council, the designations published by the Government of India, the designations published by the principal foreign sanctions authorities whose lists are ordinarily carried in this class of tool, and the registers of virtual-asset service providers maintained by the competent Indian authority and by comparable authorities abroad.
- Declare, at bid and throughout the term, the scale of the attribution dataset, its refresh cadence and the provenance of its entries, and publish the risk-scoring methodology and the data sources on which a score rests. A score whose methodology is not published is not accepted as a finding.

- Export the trace as a graph and as a structured record set in open formats, including at minimum but not limited to GraphML or an equivalent open graph interchange format for the graph, comma-separated values, JSON or XML for the record set, and PDF/A to ISO 19005 for the printable output, with the query and parameters that produced it; and maintain an immutable log of every query and export.

Evaluated requirements. Ledger families and token standards covered beyond the minimum at requirement 1; coverage of the privacy-preserving ledgers, of which Monero and Zcash are indicative, so far as the ledger data permits; coverage of cross-chain bridges, wrapped assets and decentralised exchanges; scale, provenance and refresh cadence of the attribution dataset; cross-ledger tracing depth; completeness of sanctions and registry coverage. Scored, not disqualifying.

Evidentiary and audit obligations. Attribution is opinion resting on a dataset and the report shall present it as such, with the dataset, date and confidence stated. A trace shall state where it ended and why, and shall not imply completeness it does not have.

Activation and support. A declared and contractually binding data path. Only the address or transaction identifier queried passes the declared egress, under the fifth common obligation above; no exhibit, forensic image, working copy, case identifier, exhibit identifier, operator identity or personal datum of an identifiable individual is transmitted outside India at any point. Sections 10.2.2 and 10.2.3 apply, read with Table 10.10.

Interoperability and export. Graphs, record sets and logs in open formats, readable without the item.

Acceptance. On a Department-seeded transaction path spanning not fewer than the number of hops published at Annexure B and including one cross-ledger movement and one movement through a mixing service, the capability reconstructs the seeded path, identifies the seeded cluster, attributes the seeded service address, screens the seeded designated address against the sanctions list, states expressly where the trace ends, and exports the graph and record set with the query that produced them. Verification is by the SW-09 acceptance test at Annexure B.

10.3.12 SW-10: Forensic Media Processing and Playback

Purpose and deployment. Opens the video formats produced by recording equipment, repairs damaged recordings, performs enumerated processing operations and produces court-ready output with a reproducible operation chain. One instance at Headquarters, Evidence Processing Zone, and at no field unit.

Decode of recorder-native and closed containers is a Headquarters capability and not a field-unit obligation: no field-grade item in this section is required to decode the container in which a recording is held, and no field unit is required to hold this item or an equivalent. Where a unit holds a recording its own suite cannot decode, the exhibit is referred to Headquarters under referral criterion R-9, the referral raised, recorded and tracked through SW-12 in the ordinary way.

Mandatory functional requirements.

- Decode and play the media formats in the sample set published at Annexure B, and record for each file the decode path used. Those formats include, at minimum but not limited to: the container formats MP4 and the ISO base media file format, QuickTime MOV, Matroska MKV, WebM, AVI, ASF and WMV, MPEG-2 transport stream and program stream, MXF, 3GP and FLV; the video codecs H.264 or AVC, H.265 or HEVC, H.266 or VVC, MPEG-2, MPEG-4 Part 2, VP8, VP9, AV1 and Motion JPEG; and the audio codecs AAC, MP3, PCM or WAV, FLAC, Opus, AMR and AMR-WB, AC-3 and Enhanced AC-3, and the G.711 and G.726 telephony codecs in which recorder audio is commonly held; in the versions prevalent at the date of bid and any later versions released during the contract term. They further include the recorder-native and closed containers produced by digital and network video recorders in operational circulation, of which the .dav container family, raw .264 and .h264 elementary-stream exports, executable-wrapped self-playing exports, and the proprietary recorder file systems from which recordings must be carved frame by frame are indicative; this obligation attaches to this item at Headquarters alone, and to no field-grade item. A file that cannot be decoded shall produce a logged failure record; a silent failure is a non-conformance.
- Repair a truncated, interrupted or structurally damaged container so far as its residual structure permits, and state what was recovered and what was not.
- Perform each of the following operation categories on Department-supplied media: noise reduction; deblurring; de-interlacing; stabilisation; resolution enhancement; tonal, contrast and level correction;

perspective and lens-distortion correction; frame extraction; frame averaging and frame arithmetic; and dimensional measurement within a calibrated frame.

- Extract frames and clips at stated time offsets without re-encoding where the container permits, and state the treatment applied where it does not. Extracted frames shall be exportable in open, lossless still-image formats, including at minimum but not limited to PNG, TIFF and JPEG 2000; and the item shall open the still-image formats in which exhibit stills are held, including at minimum but not limited to JPEG, PNG, TIFF, BMP, GIF, WebP, HEIF and HEIC, AVIF, and the camera raw formats of which DNG is indicative, in the versions prevalent at the date of bid and any later versions released during the contract term.
- Play recorded video at its native resolution and frame rate, and at not less than four streams simultaneously, without dropped frames, the dropped-frame count reported by the item and recorded at acceptance. The reference streams used, with their resolutions, frame rates and codecs, are those published at Annexure B for this item.
- Bookmark, label and organise material within a case, and carry the bookmarks into the exported report.
- Log every operation with its parameters and order, so that a second operator reproduces the output from the original, and carry the complete operation chain into the report.

Evaluated requirements. Container, codec and recorder-native format support beyond the minimum at requirement 1 and beyond the published sample set; repair capability on severely damaged containers; processing operations beyond the enumerated categories; use of the workstation's graphics compute to accelerate decode and processing, evidenced by a measured elapsed-time difference on Department-supplied media with acceleration enabled and disabled. Scored, not disqualifying.

Evidentiary and audit obligations. The original is never modified; every operation is performed on a working copy, the original retained and re-verifiable. The report shall state that a processed image is a processed image, shall carry the operation chain, and shall not present an enhanced frame as an unprocessed one.

Activation and support. No enforcement mechanism is mandated. Sections 10.2.2 and 10.2.3 apply.

Interoperability and export. Export of frames, clips, processed sequences, bookmarks and the operation log in open formats, including at minimum but not limited to PNG, TIFF or JPEG 2000 for frames, an MP4 or Matroska container carrying an open codec for clips and processed sequences, and comma-separated values, JSON or XML for bookmarks and the operation log, with the unprocessed original and its digest.

Acceptance. On the Department's media sample set, which carries a file of each container, codec and recorder-native format enumerated at requirement 1 and each still-image format enumerated at requirement 4, the item decodes every file or produces a logged failure record for each file it does not, save that decode of a file of a format enumerated at requirement 1 or requirement 4 is itself a pass condition and a logged failure record does not discharge it; repairs the planted damaged container and states what was recovered; executes each enumerated operation category and produces the expected output for each; extracts the planted frames at the stated offsets; plays four streams simultaneously at native resolution and frame rate with the dropped-frame count reported and recorded; and produces an operation log from which a second operator, working from the original alone, reproduces the output. Tested at Headquarters. Verification is by the SW-10 acceptance test at Annexure B.

10.3.13 SW-11: Media Authenticity and Synthetic-Media Analysis

Purpose and deployment. Addresses whether a photograph, recording or video is what it purports to be, and whether it was generated rather than captured. One instance at Headquarters, Evidence Processing Zone. Its outputs are opinions with stated confidence and stated method.

Mandatory functional requirements.

- Detect manipulation of an image, a video and an audio recording, including insertion, removal, splicing, duplication and re-timing, and localise the manipulation within the item where the method permits.
- Attribute an item to a source device class by sensor-pattern and acquisition-characteristic analysis, stating the basis and the confidence.
- Analyse container structure, encoding history and compression history for consistency with the claimed provenance, across the container, codec and still-image formats at SW-10 requirements 1 and 4, and state each inconsistency found.

- Detect synthetic and substantially synthesised content across image, video and audio, across the generation-technique classes in circulation, including at minimum but not limited to generative-adversarial-network, diffusion-model and autoregressive or transformer-based image and video generation; face-swap and face-reenactment manipulation; and synthetic speech produced by text-to-speech and by voice-conversion or voice-cloning methods; in the forms prevalent at the date of bid and such further techniques as emerge during the contract term, that forward obligation being read with Table 10.10.
- Read, verify and report the state of any content-provenance manifest embedded in or attached to the item, including at minimum but not limited to manifests to the Coalition for Content Provenance and Authenticity specification, known as Content Credentials, in the version prevalent at the date of bid and any later version released during the contract term; reporting whether a manifest is present, whether its signature and its bindings to the content verify, what the manifest asserts, and where in the asserted history the chain breaks. The absence of a manifest shall not be reported as, and shall not contribute to, a finding of manipulation.
- State, for every determination, a calibrated confidence and the factors contributing to it.
- Publish, and deliver with the item, the validation methodology, the validation datasets, the conditions under which the item was validated, and its false-positive and false-negative behaviour by modality.
- Carry the reviewing officer's identity, notes and sign-off into the exported report and into the log.

Evaluated requirements. Detection performance above the published floors; localisation precision; performance under compression, re-encoding, transcoding, screen-capture and low resolution; generation-technique classes addressed beyond the minimum at requirement 4; breadth of the published validation evidence. Scored, not disqualifying.

Evidentiary and audit obligations. No output of this item may be presented as a finding without a reviewing officer's recorded sign-off. The report shall state the method, confidence, contributing factors and known failure modes of the method used, and shall not state a conclusion the confidence does not support.

Activation and support. The validation dossier is reissued with every refresh that changes detection behaviour. Sections 10.2.2 and 10.2.3 apply, read with Table 10.10.

Interoperability and export. Reports, confidence records, localisation overlays and logs in open formats, readable without the item.

Acceptance. On the Department's labelled sample set, comprising authentic, manipulated and synthetic items in each of the three modalities, the item achieves a true-positive rate of not less than eighty per cent and a false-positive rate of not more than ten per cent in each modality; localises the planted manipulation in each item for which localisation is published as expected; attributes each item of the planted source-device set to the correct device class; reports the presence, verification state and assertions of the content-provenance manifest carried by each item of the planted provenance set, and reports no manifest and no manipulation for the unsigned control items; states a calibrated confidence and the contributing factors for every determination; and produces a report carrying the reviewer's identity and sign-off. Verification is by the SW-11 acceptance test at Annexure B.

10.3.14 SW-12: Case and Evidence Management System

Purpose and deployment. The unit's book of record: every act performed on a case and on an exhibit is recorded when it is done, by the officer who did it, in a form no one can afterwards alter. One instance at each of the seventy-six units: Headquarters, seven Commissionerates and sixty-eight Districts. At a field unit it is the case and evidence register; at Headquarters, which registers and owns no case, it is configured as the referral register, keyed to the originating unit's identifiers.

The architecture is fixed and not at the bidder's option: a unit-local, standalone instance. There is no server instance, no consolidation, no replication and no synchronisation of any kind between instances, online or offline, at any cadence, in any direction, by any mechanism, and no instance is aware of any other. It operates fully with no network connection of any kind, its full function (registration, custody, classification, acquisition recording, examination recording, reporting, return generation and export) available at a unit that has never been connected to anything. A bid offering a central instance, a consolidation layer, a package-exchange

mechanism, a reporting server, a cloud-hosted tenancy or any component shared between units does not meet this specification.

It runs on the unit's own workstation alongside the forensic tooling: at a field unit the analysis workstation at HW-04; at Headquarters one nominated laboratory-grade workstation at HW-03, identified by serial number in the as-built set, and not the compute and storage platform at HW-01. No separate server, appliance or dedicated machine is procured for it at any unit, and none may be assumed. The system is one of the concurrent workloads of the concurrent high-load acceptance test at Table 10.17 in each machine class and shall remain interactive throughout that test, every screen returning and every entry committing within two seconds, while the other workloads for that machine class run on the same machine. In the field-unit task set the other workloads are host-forensic processing, mobile extraction decoding and telecom record analysis, and the SW-12 workload is a case registration and a custody entry. In the Headquarters laboratory-workstation task set, which carries neither SW-07 nor any case registration, the other workloads are those at Table 10.17 for that class and the SW-12 workload is a referral-register entry and a court-file export.

The register column sets published at Annexure D are the functional specification of this item: the evidence intake form, the exhibit register, the chain-of-custody and movement register, the Triage and Priority Register, the removable-media crossing register, the referral request and package manifest, the custody slip, the examination report structure, the triage summary structure, the acquisition certificate, the seal stock register, the quality-review checklist, the clock-verification register and, at Headquarters, the referral register. They are the system's fields, with the names, permitted values and mandatory or optional status published there; a column set published at Annexure D and not present as a field is a non-conformance.

Table 10.13: SW-12, the registers the system carries and what each records

Register	What it records
Case register	Case identifier issued by the system on completion of intake, date and time of registration, registering officer, investigating officer and offence particulars
Exhibit register	Exhibit identifier, description, make and class as found, seal identifiers on receipt, condition on receipt, photographs of the exhibit as received, storage location assigned
Chain-of-custody and movement ledger	One append-only entry per movement or access, each carrying Custodian identity, date, time, purpose, seal numbers broken and applied, and the digest at each transfer; no entry deletable or editable
Triage and Priority Register	Priority class assigned, criterion code relied on, classifying officer, time of classification, every reclassification with its reason and requesting officer, the treatment actually given, and the archival media reference where preserve-and-hold applies
Acquisition record	Tool and build identifier, interface used, settings and parameters, start and end timestamps, acquired byte count, digest computed at the source, digest computed on the image, and verification outcome
Examination record	Examination notes, the artefacts relied on by name, the findings, the limitations, and the linkage of each finding to the named artefact from which it is drawn
Report and sign-off record	The report produced to the prescribed structure, examiner's signature, reviewer's countersignature and the date of each, the examiner of a case being barred from reviewing it
Referral record	Referral request, criterion code, package manifest, seal numbers, despatch and receipt acknowledgement, and the returned result
Removable-media crossing register	Every crossing between zones, with media identifier, direction, digest on write and on read, authorising officer and both sanitisation records
Seal stock register	Seal numbers received, issued, used, voided and held
Retention and disposal record	The retention clock per artefact class, its expiry, and the disposal act with its authority; disposal blocked while the clock runs or while a case is open
Audit log	Every action taken in the system, with operator identity, date, time, the action and its outcome

Mandatory functional requirements.

- Operate as a single unit-local instance on the unit's own procured endpoints, entirely within the unit's offline segment; require no service outside the unit; expose no interface reachable from outside the unit; attempt no outbound connection; and function in full with the unit permanently disconnected from every external network.
- Implement, as fields, every column set published at Annexure D, each field carrying the name, permitted values and mandatory or optional status published there.

- Issue the case identifier itself. On completion of intake the system shall generate a unique case identifier under a stated scheme carrying the unit code, never typed, chosen, edited or reused by any user; it shall issue an exhibit identifier on the same basis and prevent the reissue or reuse of either.
- At Headquarters, where the instance is configured as the referral register, record a referral against the originating unit's case and exhibit identifiers carried unaltered, and be incapable of issuing a case identifier or registering a case of its own.
- Maintain the clock-verification register in the column set published at Annexure D, recording against each machine the date and occasion of the check, the reference time observed and its source, the zone clock time observed, the offset computed in seconds, whether that offset exceeded two seconds, any correction applied and the verifying Examiner; refuse to open an acquisition record on a machine for which the day's check is not recorded; and refuse to proceed while a recorded offset exceeding two seconds stands uncorrected.
- Maintain the exhibit register with the description, make and class as found, the seal identifiers, the condition on receipt and one or more photographs of the exhibit as received, attached to the exhibit record and hash-bound to it.
- Maintain the chain-of-custody ledger as an append-only record: one entry per movement or access, each carrying the Custodian identity, date, time and purpose; no entry deletable or editable by any operating or administrative identity; a correction made only by a new entry citing the entry corrected and stating the reason; and an entry refused where it would leave a gap in the sequence.
- Record the priority class and the criterion code relied on, the classifying officer and the time of classification, and every reclassification with its reason, requesting officer and date; and refuse a classification entry carrying no criterion code.
- Record each acquisition with the tool and build identifier, the settings and parameters applied, the digest computed at the source, the digest computed on the image and the verification outcome, and mark an exhibit whose verification failed so that the failure cannot be overlooked in any subsequent view of that exhibit.
- Record examination notes and findings and link each finding to the named artefact from which it is drawn, so that a reader can move from the finding to the artefact and back.
- Generate the examination report and the triage summary to the structures published at Annexure D, and enforce maker-checker sign-off: a report is issued only on an examiner's signature and a reviewer's countersignature, and the system shall refuse to record a review or countersignature against the identity that performed the examination of that case.
- Generate the referral request and its package manifest, carrying the case and exhibit identifiers, the criterion code, the class, the digests and the seal numbers, and record the receipt acknowledgement and the returned result against the same case.
- Maintain the removable-media crossing register, with the media identifier, the direction of crossing, the digest on write and on read, the authorising officer and both sanitisation records.
- Run a retention clock per artefact class to the schedule at Annexure L, and block disposal of any artefact while its clock runs or while its case is open, the block releasable only by a recorded act of the Unit In-charge citing the authority relied on.
- Apply role-based access on the principle of least privilege to the duty model at Chapter 4, so that a duty holds only the rights it requires; and maintain an immutable audit log of every action in which no operating or administrative identity can edit or delete an entry, a correction being a superseding entry that preserves the original.
- Produce pendency, class-mix and turnaround reporting, including the age of the oldest pending immediate-class and priority-class case, reclassification counts, exhibits held under preserve-and-hold, and referrals raised by criterion code.
- Produce the monthly certified return in the format published at Annexure E, generated from the system's own records without manual re-entry, for certification by the Unit In-charge, in an open format capable of being carried out of the Evidence Processing Zone on registered removable media under the crossing procedure.
- Export the complete court file for a case (registration, classification, custody entries, digests, artefact linkage, reports and certificates) in an open, documented format openable by a court and an auditor

without the system, with a manifest and the published field dictionary. The formats used shall include, at minimum but not limited to, comma-separated values, JSON and XML for record sets and the manifest, PDF/A to ISO 19005 for the certified and printable output, and OpenDocument to ISO/IEC 26300 or an equivalent open document format for editable output, in the versions prevalent at the date of bid and any later versions released during the contract term. No evidential record may be exported only in a format requiring the supplier's software to read.

- Apply authenticated operator identity with per-session logging to tamper-evident local storage, and hold the register data encrypted at rest with the key in departmental custody.
- Back up to the unit's own media by an operator-initiated procedure any trained officer at the unit can perform, and restore from that backup to the same unit, the restored instance verifiable against the audit log.
- Operate within the resource envelope at Table 10.17 while the unit's forensic tooling is in use on the same machine, as tested there against the task set for the machine class concerned.

Evaluated requirements. Reporting beyond the published set; ergonomics of the custody entry at receipt, measured as the number of actions and elapsed time to complete a receipt entry on Department-supplied material; configurability of forms and permitted-value lists by the Department without supplier intervention; quality and legibility of the printed field outputs; resource consumption below the envelope at Table 10.17. Scored, not disqualifying.

Evidentiary and audit obligations. The system is the evidentiary record and the audit log its guarantee; both fall within the independent audit at Chapter 13 and are retained under Annexure L. There being no consolidation and no synchronisation, Headquarters has no consolidated live view of field caseload: programme reporting is the monthly certified return and not a data feed, and no service level, credit or acceptance criterion depends on a live field figure.

Activation, continuity and support. Sections 10.2.2 and 10.2.3 apply in full: the Department retains, in perpetuity and without further payment, the right and the technical means to read, search and export its own records in open formats, whether or not any further version is supplied.

Interoperability and export. Open, documented export of every record set, in the formats at the court-file export requirement above and the open formats at Section 10.3.1; a published data model and field dictionary delivered at handover; no evidential record held in a form requiring the supplier's software to read.

Acceptance. On a field-unit endpoint disconnected from every network, every one of the following is a pass condition:

- the system installs and activates;
- a case is registered and the system issues the identifier, an attempt to type or edit an identifier being refused;
- exhibits are enrolled with photographs and seal identifiers;
- a classification is refused without a criterion code and accepted with one;
- a custody chain is recorded, an entry that would leave a gap is refused, and an attempt to edit or delete a custody entry fails and is itself logged;
- an acquisition record is created and an exhibit whose verification failed is shown as such in every subsequent view;
- a review recorded against the examining identity is refused;
- a disposal is blocked while the retention clock runs and while the case is open;
- a referral request and manifest are generated and the receipt acknowledgement recorded;
- a crossing entry is made with both digests and both sanitisation records;
- an attempt to edit an audit entry fails and produces a superseding entry;
- the monthly return is produced from the system's own records and matches the published format field for field;
- the court file is exported and opened on an independent machine without the system;
- the field list is verified column set by column set against Annexure D;
- network isolation is verified by monitoring at the endpoint, which shall record no listening service and no outbound connection attempt for the duration of the test;

- a backup is taken to the unit's own media by an officer of the Department working from the delivered documentation alone and without supplier attendance, the instance is destroyed, the system is restored from that backup to the same unit, and the restored instance is verified against the audit log, every register reconciling entry for entry and every digest verifying, the elapsed restore time recorded;
- the pendency, class-mix and turnaround reporting at requirement 16 is produced from the restored instance and compared against the published format;
- interactivity is verified as one of the concurrent workloads of the concurrent high-load acceptance test at Table 10.17, against the task set stated there for the machine class under test.

On the Headquarters endpoint, configured as the referral register, a referral is recorded against an originating unit's case and exhibit identifiers carried unaltered, and an attempt to register a case or to issue a case identifier is refused. Verification is by the SW-12 acceptance test at Annexure B.

10.3.15 SW-13: Authorisation-Gated Credential Recovery

Purpose and deployment. Accelerated recovery of credentials and passphrases against images and containers already lawfully acquired, exercisable only under the recorded written approval of the authorised officer. One instance at Headquarters, Authorisation-Gated Capability Zone, and at no other unit. It operates on acquired material and never on a live device or a live account.

Mandatory functional requirements.

- Recover the credential or passphrase protecting an encrypted container, an encrypted volume, a protected document and a protected archive of the classes enumerated at Annexure B, those classes including at minimum but not limited to Microsoft BitLocker and BitLocker To Go, Apple FileVault, the Linux Unified Key Setup and dm-crypt, and VeraCrypt volumes and containers; the password-protected archive formats ZIP, in both its legacy and its AES forms, 7z and RAR; password-protected and encrypted office documents and Portable Document Format files; encrypted Apple iOS and iPadOS device backups; and password-manager and credential-store databases; in the versions prevalent at the date of bid and any later versions released during the contract term, operating on an acquired image or an extracted container and not on a live device.
- Apply dictionary, rule-based, pattern-mask and exhaustive strategies, and combinations of them, under operator control, and record the strategy and parameters applied to each job.
- Accept a Department-supplied wordlist, including wordlists in Hindi and in the Devanagari script and transliterations of them.
- Address a candidate space whose per-candidate working state requires the full dedicated graphics memory of the laboratory-grade workstation at Table 10.16, that memory being not less than 24 GB, on a Department-supplied reference container of that class. The key-derivation classes contemplated are, including at minimum but not limited to, the memory-hard functions of which scrypt and Argon2 are indicative, and the iterated functions of which PBKDF2 and bcrypt are indicative. This is a reach requirement and not a rate requirement: the item shall be able to attempt a class of derivation that a smaller dedicated memory cannot attempt at all.
- Queue, pause, resume and restart a job without loss of progress, and survive interruption and restart, so that a recovery runs unattended and occupies no operator position for its duration.
- Gate every job behind a recorded authorisation, refuse a job for which no authorisation is recorded, and produce a per-job audit record carrying operator identity, date and time, authorisation reference, case and exhibit identifiers, target, strategy, duration and outcome.
- Transmit nothing outside the unit: no target, no derived value, no digest of a target, no telemetry and no job record may leave Headquarters at any time or for any purpose.
- Report a job that did not succeed as a job that did not succeed, stating the strategy applied, the space searched and the time expended.

Evaluated requirements. Container, protection and key-derivation classes addressed beyond the minimum at requirements 1 and 4; recovery performance against the Department's set within the published time allowance; number of jobs sustained concurrently and unattended; granularity of job control and reporting. Scored, not disqualifying.

Evidentiary and audit obligations. No job without a recorded authorisation, and the item shall be incapable of running one. The per-job record is retained under Annexure L and inspected on the same cycle as the authorisation register. A recovered credential is recorded by reference in the register and disclosed only within the case record.

Activation and support. No function depends on an external service and no telemetry is present. Sections 10.2.2 and 10.2.3 apply.

Interoperability and export. Job records and outcomes exportable in open formats; recovered containers presented for examination in the analysis environment of SW-01, the transfer from the Authorisation-Gated Capability Zone to the Evidence Processing Zone being made on registered removable media under the recorded crossing control at Chapter 4 and by no other path.

Acceptance. On the Department's credential-recovery set, comprising containers and protected files of each class enumerated at requirement 1 with credentials of the published complexity classes, and derivations of each class enumerated at requirement 4, the item refuses a job for which no authorisation is recorded; recovers the credential for each item the Department publishes as in scope within the published time allowance; attempts and completes the reference job at requirement 4 on the delivered laboratory-grade workstation, the memory in use on the graphics processor recorded; resumes a forcibly interrupted job without loss; ingests the Devanagari wordlist and recovers the credential drawn from it; reports each out-of-scope item as unsuccessful with the space searched stated; and produces a per-job record carrying every element at requirement 6. Absence of outbound transmission is verified by monitoring for the duration of the test. Verification is by the SW-13 acceptance test at Annexure B.

10.3.16 What is not specified in this section

Four matters are settled the same way in every software specification above.

No mechanism is mandated where an outcome can be tested: no architecture, licensing model, enforcement device, interface design or delivery within a single executable is required, and a supplier reaching the stated outcome by a different route is compliant.

No enumeration above is a ceiling, and no name in one is a sole-source condition. Every enumeration of platforms, devices, encryption schemes, formats, file systems, applications, codecs, ledgers, account classes and versions is a minimum. It is stated so that a bidder knows what coverage the Department actually expects, and so that two bidders cannot read the same block and deliver materially different tools at materially different prices; it is opened by the words "including at minimum but not limited to" for that reason. Any product equivalent to or better than one named may be offered and shall be accepted, and coverage is required of any further member of the same class, including one released during the contract term, that further-version obligation being discharged inside the LC-1 currency period and neither enlarging nor abridging LC-2. Coverage is demonstrated on Department-supplied material published by platform family, encryption state and age band, against the wider working enumerations held at Annexure B.

No count measures capability: no minimum number of filters, modules, parsers, plug-ins, artefact categories or supported formats is required, and where a quantity appears above it is a workload measured on the Department's own material. A named platform, format, application or codec is a coverage obligation and is not a count: what is required is that the material be handled, never the number of components by which a bidder handles it.

No integration and no synchronisation is specified and none may be offered: no item in this section interfaces with any other unit, any national platform, or any system outside the unit in which it is installed. A bid offering such an interface as an enhancement will not be scored, and where the offered item requires it to function, the item does not meet this specification.

10.4 Hardware items

10.4.1 HW-01: Headquarters Forensic Compute and Storage Platform

Scope and deployment. One platform at Headquarters, carrying the processing of referred exhibits, the referral register, the report repository and the immutable log storage of the Headquarters estate. It serves no field unit,

receives from no field unit and replicates to no field unit; a referred exhibit reaches it physically, under custody, and by no other route. Compute and storage may be delivered by any mechanism at the bidder's option, sized so that the referred-exhibit working set, the register, the report repository and the tool-validation datasets are all resident within the contractual capacity with the surge reserve intact.

Table 10.14: HW-01 requirements and verification

Ref	Class	Requirement	Verification
HW-01.1	Mandatory	Usable capacity after redundancy not less than 96 TB; raw provisioning not less than 144 TB, delivered on enterprise-class storage media, being enterprise NVMe or SAS solid-state drives in U.2, U.3, E3.S or equivalent form factor at an endurance not less than 1 drive-write per day over a five-year design life, or enterprise nearline drives of not less than 7,200 revolutions per minute rated for continuous duty, on an enterprise storage platform of a class equivalent to a Dell PowerStore, NetApp AFF A-series, HPE Alletra Storage MP or IBM FlashSystem array, or better	Capacity report from the delivered platform; media endurance and class evidenced from the manufacturer's published datasheet
HW-01.2	Mandatory	Not fewer than 64 physical cores and not less than 1 TB of error-correcting memory in aggregate, distributed across not fewer than three compute elements, such that the loss of any one leaves the remainder able to carry eleven concurrent examination sessions. The cores are server-class cores of a class equivalent to an Intel Xeon 6 (Granite Rapids) or AMD EPYC 9005 series server processor, or better; the memory is registered error-correcting DDR5 at a data rate not less than 4,800 MT/s, of a class equivalent to DDR5-5600 or DDR5-6400 registered error-correcting modules, or better	Configuration report and a witnessed element-failure test with the eleven sessions sustained
HW-01.3	Mandatory	Continues to serve through the concurrent loss of two storage devices, and the rebuild completes without operator intervention	Witnessed device-removal test with rebuild completion record
HW-01.4	Mandatory	Not fewer than eleven concurrent examination sessions, each an independently administered execution environment with its own identity, policy and audit trail	Witnessed concurrent run with per-environment logs retained
HW-01.5	Mandatory	Aggregate sustained read throughput to the workstation estate not less than 2,500 MB/s, measured with eleven concurrent streams over a transfer of not less than 100 GB per stream	Instrumented measurement over the whole transfer, result recorded
HW-01.6	Mandatory	Sustains the Headquarters processing workload at not less than 1.5 times the computed peak on RW-4, each session completing within the elapsed time published at Annexure B	Timed run under concurrent load, elapsed times recorded
HW-01.7	Mandatory	Not fewer than two independent network paths to the zoning provision at IN-01, each of not less than 25 gigabits per second and of aggregate sustained capacity not less than 1.5 times the throughput required at HW-01.5, and such that the loss of any one path leaves the platform sustaining the throughput required at HW-01.5 and the eleven concurrent sessions required at HW-01.4. Each path is of a class equivalent to a 25-gigabit SFP28 interface on 25GBASE-CR direct-attach copper or 25GBASE-SR optical media over OM4 fibre, or better	Witnessed path-failure test with the HW-01.5 throughput and the eleven sessions sustained on the surviving paths, both measured and recorded; interface and media class evidenced from the delivered configuration
HW-01.8	Mandatory	Encryption at rest for all evidential data, keys held by the Department	Configuration export and key-custody record
HW-01.9	Mandatory	Snapshot of the referral register and report repository not less than every 4 hours; rollback demonstrated	Witnessed snapshot and rollback
HW-01.10	Mandatory	Recovery-point objective 4 hours and recovery-time objective 8 working hours for the referral register and report repository; recovery-point 24 hours and recovery-time 72 hours for the referred-exhibit working set; recovery-point nil and recovery-time 24 hours for immutable log storage	Witnessed failover and restore tests with measured elapsed times
HW-01.11	Mandatory	Immutable log storage, unconditional, configured to the retention periods at Chapter 4, Table 4.8	Witnessed deletion attempt refused and the attempt itself logged
HW-01.12	Mandatory	Dual power feeds from separate protected circuits of the Headquarters distribution at IN-05, either of which alone carries the platform; declared connected load in kilovolt-amperes verified under load	Witnessed feed-failure test; instrumented load measurement
HW-01.13	Mandatory	Operates continuously within the equipment-room environmental envelope at IN-05.4, with an alarm on excursion	Continuous log over a witnessed 72-hour period
HW-01.14	Mandatory	No interface enabled towards any address outside the Headquarters premises; no configuration present for replication, consolidation or synchronisation with any unit	Interface listing, configuration export and outbound-traffic capture
HW-01.15	Evaluated	Capacity headroom above the contractual floor; aggregate throughput above HW-01.5; non-disruptive capacity expansion within the delivered chassis population	Configuration report, tested at the proof of concept

Acceptance. Criteria WS3-a to WS3-f at Chapter 8, Table 8.18 apply in full, and the item is accepted at Headquarters installation and configuration verification under Chapter 18 against the tests at Annexure B. Every measurement at Table 10.14 is a pass condition.

10.4.2 HW-02: Headquarters Backup and Archive Tier

Scope and deployment. One tier at Headquarters, holding the secondary copy of everything HW-01 holds and writing the archival copies that the retention schedule at Annexure L requires. It is a separate procured item and not a feature of HW-01.

Table 10.15: HW-02 requirements and verification

Ref	Class	Requirement	Verification
HW-02.1	Mandatory	Local secondary copy of usable capacity not less than 96 TB, on storage media and controllers independent of HW-01, holding the register, the report repository, the referred-exhibit working set and the immutable log copy. The media are enterprise-class media of a class equivalent to enterprise nearline SAS or SATA drives of not less than 7,200 revolutions per minute rated for continuous duty, or enterprise NVMe or SAS solid-state media, on a backup or secondary storage appliance of a class equivalent to a Dell PowerVault ME5, HPE MSA, NetApp E-series or equivalent enterprise disk array, or better	Configuration export, capacity report and inventory; media class evidenced from the manufacturer's published datasheet
HW-02.2	Mandatory	Removable archival media provision sized to the Headquarters archival write volume over the thirty-six-month term published at Chapter 3, with not less than 10 per cent provision above it, on removable archival media with its drives, of a class equivalent to LTO Ultrium generation 9 or generation 10 cartridges and drives, or better, and in write-once-read-many (WORM) cartridge form for every copy the retention schedule at Annexure L requires to be unalterable	Media inventory reconciled against the published volume; media generation, drive generation and write-once form evidenced from the manufacturer's published datasheet
HW-02.3	Mandatory	Sustained backup write rate not less than 300 MB/s and sustained restore rate not less than 400 MB/s, each measured over a transfer of not less than 1 TB	Instrumented measurement over the whole transfer
HW-02.4	Mandatory	Integrity verification by hash comparison on every write and every restore, with the result recorded and a mismatch incapable of suppression	Write and restore logs inspected against the source manifests; negative test with an altered source
HW-02.5	Mandatory	A full restore of RW-7 completes within 8 working hours for the register and report repository and within 72 hours for the referred-exhibit working set, and is hash-verified against the source manifest	Witnessed restore with hash comparison record and measured elapsed time
HW-02.6	Mandatory	Quarterly restore testing as a contractual obligation for the full operations period, each test evidenced	Test records at each quarter, audited under SV-05
HW-02.7	Mandatory	Archival media of a class with a stated shelf life of not less than ten years, with the storage conditions stated, and a witnessed read-back of a written volume after not less than 30 days. The media are of the class at HW-02.2, being LTO Ultrium generation 9 or generation 10 media or better, or an archival optical write-once medium of an equivalent or longer stated shelf life	Manufacturer's declaration, lot record and witnessed read-back with hash comparison
HW-02.8	Mandatory	Archived material readable without the supplier's software, in open formats with manifests, the formats including at minimum but not limited to raw (dd) images, the E01 and Ex01 evidence file formats, the AFF4 format, the TAR and ZIP container formats and Portable Document Format, each with a hash manifest, together with any further open format in operational circulation at the date of bid or entering circulation during the contract term	Restore to an independent machine and open
HW-02.9	Evaluated	Media-refresh tooling and a documented read path for the years beyond the contract term, forming part of the evidence-custody continuity plan at Chapter 13; restore rate above HW-02.3	Documentary and instrumented, scored under Chapter 16
HW-02.10	Mandatory	A secondary copy taken to the tier not less frequently than every 4 hours for the referral register and the report repository and every 24 hours for the referred-exhibit working set, and, for immutable log storage, on each write, so that the recovery-point objectives at HW-01.10 are met from the secondary copy after a total loss of the primary platform and not from the primary platform alone	Copy schedule exported from the delivered tier and the copy catalogue inspected against it over a witnessed 72-hour period

Acceptance. Criteria WS3-e and WS3-f at Chapter 8, Table 8.18 apply, together with the restore and integrity tests at Annexure B. Every measurement at Table 10.15 is a pass condition.

10.4.3 The three workstation classes, and the test that proves them

One hundred and sixty-one examination and processing machines are deployed across the seventy-six units. The three classes are specified side by side at Table 10.16.

Every figure in Table 10.16 is a contractual floor and "or better" is allowed throughout. Each is verified on the delivered machine at installation and configuration verification under Chapter 18, whether or not restated in that item's own requirement table; where a figure appears in both, the higher governs. Where a processor, graphics processor, storage device, interface, display or other product is named in this section it is named

indicatively and for one purpose only, which is to convey the class and the level of capability the Department expects, and the equivalence rule at Section 10.1 applies to it in full: any product equivalent to or better than the one named may be offered and shall be accepted, and no offer is preferred or prejudiced by the naming. The processor floor remains a physical-core count together with a score on the supplier-independent benchmark published at Annexure B, and equivalence is determined against the measurable floors stated in this chapter and never against the name.

Table 10.16: The three workstation classes

	Laboratory grade (HW-03, Headquarters, 11)	Field grade (HW-04, 82)	Acquisition and processing node (HW-05, 68)
Deployment	Headquarters, one per examining post	2 at each of 7 Commissionerates, 1 at each of 68 Districts	1 at each of 68 Districts
Processor	Not fewer than 24 physical cores, base frequency not below 2.5 GHz, and not less than the RW-5 score published at Annexure B for this class, of a workstation class equivalent to an Intel Xeon W-3500 series or AMD Ryzen Threadripper PRO 9000 WX-series processor, or better	Not fewer than 16 physical cores, and not less than the RW-5 score published at Annexure B for this class, of a workstation class equivalent to an Intel Xeon W-2500 series or AMD Ryzen Threadripper PRO 7000 WX-series or 9000 WX-series processor, or better	Not fewer than 12 physical cores, and not less than the RW-5 score published at Annexure B for this class, of a class equivalent to an Intel Xeon W-2400 or W-2500 series workstation processor or an AMD EPYC 4005 series processor, or better
Main memory	Not less than 256 GB, error-correcting DDR5 at a data rate not less than 4,800 MT/s, of a class equivalent to DDR5-5600 or DDR5-6400 error-correcting modules, or better	Not less than 128 GB, error-correcting, of the same generation and speed class	Not less than 64 GB, error-correcting, of the same generation and speed class
Graphics	Discrete graphics processor of professional or compute class, not less than 24 GB dedicated memory, with a documented, publicly available programming interface for general-purpose computation, of a class equivalent to an NVIDIA RTX PRO 4500 Blackwell, NVIDIA RTX 5000 Ada Generation or AMD Radeon PRO W7800 professional graphics processor, or a datacentre-class processor equivalent to an NVIDIA L40S, or better	Discrete graphics processor of professional or compute class, not less than 16 GB dedicated memory, with a documented, publicly available programming interface for general-purpose computation, of a class equivalent to an NVIDIA RTX PRO 4000 Blackwell, NVIDIA RTX 4000 Ada Generation or AMD Radeon PRO W7700 professional graphics processor, or better	No discrete graphics processor is required. The node acquires, verifies, hashes, indexes and writes; it does not analyse and it drives one display
System volume	Not less than 1 TB solid-state, being an NVMe drive on a PCI Express interface of generation 4 or later, of a class equivalent to an enterprise or professional NVMe drive, or better	Same floor, same interface and class	Same floor, same interface and class
Scratch storage	Not less than 4 TB solid-state scratch, sustaining not less than 3,000 MB/s read and 1,500 MB/s write on the delivered machine, being NVMe storage on a PCI Express interface of generation 4 or later at an endurance not less than 1 drive-write per day over a five-year design life, of a class equivalent to an enterprise mixed-use NVMe drive in U.2, U.3 or M.2 form factor rated at 1 to 3 drive-writes per day, or better	Not less than 2 TB solid-state scratch, at the same sustained rates, the same interface, the same endurance floor and the same class	Not less than 2 TB solid-state scratch, at the same sustained rates, the same interface, the same endurance floor and the same class
Case storage	None on the workstation. Case data is held on the Headquarters platform at HW-01 and drawn from it	The unit's case store: not less than 16 TB usable, 32 TB raw, mirrored at a District; not less than 32 TB usable, 64 TB raw, mirrored at a Commissionerate, on enterprise-class media equivalent to enterprise nearline SAS or SATA drives of not less than 7,200 revolutions per minute rated for continuous duty, or enterprise solid-state media, or better	Acquisition target store of not less than 8 TB usable, 16 TB raw, mirrored, additional to and not counted towards the field-grade figure, on media of the same enterprise class
Network	10-gigabit, not fewer than two paths, of a class equivalent to 10GBASE-T interfaces over Category 6A permanent links or SFP+ 10GBASE-SR optical or 10GBASE-CR direct-attach copper interfaces, or better	10-gigabit capable, not fewer than one path, of a class equivalent to a 10GBASE-T interface over a Category 6A permanent link, or better	10-gigabit capable, not fewer than one path, of the same interface class
Peripheral interfaces	Not fewer than four external high-speed serial peripheral ports of a published multi-supplier standard, each sustaining not less than 20 Gbit/s, of a class equivalent to Thunderbolt 4, Thunderbolt 5 or USB4 ports, or better	Not fewer than four such ports, each sustaining not less than 10 Gbit/s, of a class equivalent to USB 3.2 Generation 2, USB4 or Thunderbolt 4 ports, or better	Not fewer than four such ports, each sustaining not less than 10 Gbit/s, of the same port class
Acquisition interfa	Across the storage interface families in operational circulation, including at minimum but not limited to SATA, SAS, NVMe in M.2, U.2 and U.3 form factors, USB in its 3.2 and USB4	The same interface families, on the same open enumeration, through the item's own write-blocking	The same interface families, on the same open enumeration, through the

	Laboratory grade (HW-03, Headquarters, 11)	Field grade (HW-04, 82)	Acquisition and processing node (HW-05, 68)
ces	generations, IDE and PATA, eSATA and the memory-card families in circulation, and any further family in operational circulation at the date of bid or entering circulation during the contract term, through the write-blocking devices at HW-06		item's own write-blocking
Write blocking	Acquisition is performed on the dedicated bench devices at HW-06; no integrated blocker is specified	Integrated or bundled hardware-enforced write blocking on every acquisition path, of a class equivalent to a Tableau Forensic, CRU WiebeTech or Logicube hardware write blocker, or better	Integrated hardware-enforced write blocking on every acquisition path, of the same class
Displays	Two, each not less than 60 cm diagonal at not less than 2,560 × 1,440, on an IPS or equivalent wide-viewing-angle panel at not less than 99 per cent sRGB coverage, of a professional class equivalent to a Dell UltraSharp or LG UltraFine monitor, or better	Two, each not less than 60 cm diagonal at not less than 2,560 × 1,440, on a panel of the same class	One, not less than 55 cm diagonal, on a panel of the same class
Power	Not fewer than two power supply modules, redundant and individually replaceable, either of which alone sustains the machine at the sustained load measured under Table 10.17	Single supply, protected by IN-08	Single supply, protected by IN-08
Security	Hardware root of trust to a published multi-supplier specification, of a class equivalent to a Trusted Platform Module to the Trusted Computing Group TPM 2.0 specification, or better; full-volume encryption on every fixed volume; removable-media control; authenticated operator identity	Same	Hardware root of trust of the same class; full-volume encryption; authenticated operator identity
Per-machine power protection	IN-08 at 1.5 kVA, of the online double-conversion topology at IN-08.1	IN-08 at 1.0 kVA, of the online double-conversion topology at IN-08.1	IN-08 at 0.6 kVA, of the online double-conversion topology at IN-08.1
Proving test	Table 10.17, on every delivered machine	Table 10.17, on every delivered machine	Table 10.17, on every delivered machine, together with RW-6

The sustained load measured at CHL-15, and not a nameplate rating or a declaration, is the load at which the runtime obligation at IN-08.2 is verified.

Table 10.17: The concurrent high-load acceptance test

Ref	Element	Requirement
CHL-1	Task A: host-forensic processing of a large exhibit	Index, carve, decompress and run the published search set against the reference exhibit published at Annexure B for the class under test, that exhibit's acquired volume exceeding the class's solid-state scratch capacity
CHL-2	Task B: mobile extraction decoding	Decode the reference mobile extraction published at Annexure B, including its media set, and produce the full artefact set
CHL-3	Task C: telecom record analysis	Ingest the bounded reference record set of not less than two million records and execute the published correlation, timeline and cell-site plot
CHL-4	Task D: Case and Evidence Management System in interactive use	Register a case, enrol exhibits, record custody entries, record an acquisition, generate a report and produce the monthly return, throughout the loaded window
CHL-5	Concurrency condition	Every task of the class's task set at CHL-16 started within five minutes of one another and all running simultaneously for a common loaded window of not less than sixty minutes or until every task completes, whichever is longer
CHL-6	Measurement: elapsed time	Elapsed time to complete each task recorded separately, each within the allowance published at Annexure B for the class under test
CHL-7	Measurement: processor	Sampled at intervals of not more than 10 seconds throughout, with the arithmetic mean and the ninety-fifth percentile over the loaded window recorded

Ref	Element	Requirement
	utilisation	
CHL-8	Measurement: memory utilisation	Sampled at the same interval, with the mean and the peak recorded. Peak memory in use shall not exceed 85 per cent of installed memory
CHL-9	Measurement: paging behaviour	The page file or swap device shall not be absent, disabled or removed at any point in the loaded window, its presence and configured size evidenced in the configuration export taken at the start of the window. The bytes or pages written to it during the window shall be recorded from the operating environment's own cumulative counters, read immediately before and immediately after the window, with the counter named on the instrument record. A machine on which the page file or swap device is absent or disabled fails this measurement. The recorded quantity is retained under CHL-18; the memory pass condition is at CHL-8
CHL-10	Measurement: absence of stall	No automated task shall cease to make recorded progress for more than 60 consecutive seconds at any point in the loaded window. Task D being operator-driven is not measured against this criterion; its responsiveness is measured at CHL-12 on the sampled actions, and an operator pause is not a stall
CHL-11	Measurement: absence of failure	No task shall fail, abort, be terminated by the operating environment, be restarted, or complete with an error recorded in its own log
CHL-12	Measurement: interactivity	Every screen returned and every entry committed in Task D within 2 seconds throughout the loaded window, measured on not fewer than twenty sampled actions
CHL-13	Measurement: scratch residency behaviour	The point at which Task A's working set exceeds the solid-state scratch is recorded, together with the elapsed-time behaviour of the task after that point
CHL-14	Measurement: thermal behaviour	No thermal shutdown; no thermal-throttling event recorded by the processor's own counters at any point in the loaded window; and, across the samples taken while every task of the class's task set at CHL-16 is running, the mean recorded all-core operating frequency not below the base frequency declared for the offered processor at bid and recorded on the installation record. Samples taken after a task has completed are recorded but not counted towards this measurement
CHL-15	Measurement: sustained electrical load	The load of the machine, its displays and its attached acquisition hardware measured at the socket by a recording instrument throughout the loaded window, the arithmetic mean, the ninety-fifth percentile and the peak each recorded. The mean is the machine's declared sustained load, at which the IN-08 runtime obligation is verified for that machine; the ninety-fifth percentile is the figure against which the rating of that machine's IN-08 provision is verified, and a provision rated below it is not accepted
CHL-16	Where and how often, and the task set of each class	At the proof of concept on the offered configuration, and on every delivered machine of every class at installation and configuration verification under Chapter 18. Tasks A to D at CHL-1 to CHL-4 are the task set of the field-grade workstation at HW-04, the only class at which all four items are deployed. At every other class the task set is the whole software set deployed on that class, as published at Annexure B, run simultaneously under the concurrency condition at CHL-5; a task whose item carries no quantity at that class, or whose function that class is required to refuse, is not run
CHL-17	Pass rule	The measurements at CHL-6, CHL-8, CHL-9, CHL-10, CHL-11, CHL-12 and CHL-14 are pass conditions. Failure of any one is failure of the machine, which is replaced or corrected and re-tested in full. No partial pass is available and no measurement is waived. The measurements at CHL-7, CHL-13 and CHL-15 are recorded quantities and not pass conditions: each is taken and retained under CHL-18, CHL-15 fixing the machine's declared sustained load at which the runtime obligation at IN-08.2 is verified, and CHL-13 evidencing behaviour beyond scratch residency. A machine on which any of the three is not recorded is not accepted
CHL-18	Record	The instrument record, the task log of each task of the class's task set, the utilisation series and the load series are retained with that machine's installation record and form part of the as-built set

The graphics processor at a field workstation, and what it is for. Credential and passphrase recovery is authorisation-gated, held at Headquarters alone at SW-13 at a quantity of one, and at no field unit. No chapter of this Request for Proposal claims a credential-recovery throughput benefit from the graphics processor at the eighty-two field-grade workstations, and a bidder should not price against one. Its uses at a field unit are accelerated decoding, enhancement and playback of recorded video in the container and codec forms the unit's own suite is required to decode; accelerated classification-assisted triage of large image and video sets, that pass being a review aid and never a finding, with every item remaining individually inspectable and the report stating what an officer reviewed; display and review of high-resolution material without frame loss; and headroom for the useful life of the estate. A recording held in a recorder-native container that the unit's own suite is not required to decode is a Headquarters capability and not a field one, and is a ground of referral under criterion R-9; no field unit is required to decode a recorder-native container and a bidder shall not price one to do so. The component is the single largest contributor to the field-unit electrical load at Table 10.23.

10.4.4 HW-03: Forensic Analysis Workstation, laboratory grade

Scope and deployment. Eleven workstations at Headquarters, one for each of the eleven examining posts of the specialist cadre at MP-01, carrying large-exhibit processing, media processing and authorisation-gated credential recovery against material already acquired. Quality review and tool validation are carried on a workstation not engaged on an examination at that time, in a separately authenticated session under the

reviewing officer's own identity, and never inside the session of an examiner whose work is under review. Acquisition at Headquarters is performed on the dedicated bench imager at HW-06 and no integrated write blocker is specified in this item. Graphics compute is mandatory at this grade and only at this grade, and no turnaround or throughput benefit is claimed from it.

Table 10.18: HW-03 requirements and verification

Ref	Class	Requirement	Verification
HW-03.1	Mandatory	Not fewer than 24 physical cores at a base frequency not below 2.5 GHz, and a score not less than the figure published at Annexure B for this class on RW-5, of a workstation class equivalent to an Intel Xeon W-3500 series or AMD Ryzen Threadripper PRO 9000 WX-series processor, or better	Benchmark run on the delivered machine, result recorded
HW-03.2	Mandatory	Not less than 256 GB of error-correcting main memory, expandable within the delivered chassis, being DDR5 error-correcting memory at a data rate not less than 4,800 MT/s, of a class equivalent to DDR5-5600 or DDR5-6400 error-correcting modules, or better	Configuration report
HW-03.3	Mandatory	Discrete graphics processor of professional or compute class with not less than 24 GB of dedicated memory and a documented, publicly available programming interface for general-purpose computation, of a class equivalent to an NVIDIA RTX PRO 4500 Blackwell, NVIDIA RTX 5000 Ada Generation or AMD Radeon PRO W7800 professional graphics processor, or a datacentre-class processor equivalent to an NVIDIA L40S, or better	Configuration report on every delivered machine, the dedicated memory reported by the machine itself; and, on the one machine on which SW-13 is installed, witnessed execution of the SW-13 reference job at requirement 4 of that block, with the memory in use on the graphics processor recorded
HW-03.4	Mandatory	System volume not less than 1 TB solid-state, and scratch storage not less than 4 TB solid-state sustaining not less than 3,000 MB/s read and 1,500 MB/s write on the delivered machine, both being NVMe storage on a PCI Express interface of generation 4 or later and the scratch storage at an endurance not less than 1 drive-write per day over a five-year design life, of a class equivalent to an enterprise mixed-use NVMe drive in U.2, U.3 or M.2 form factor rated at 1 to 3 drive-writes per day, or better. No case store is provided on the workstation; case data is drawn from HW-01	Configuration report and instrumented storage measurement; endurance class evidenced from the manufacturer's published datasheet
HW-03.5	Mandatory	Not fewer than two 10-gigabit network paths to HW-01, either of which alone sustains an examination session, each of a class equivalent to a 10GBASE-T interface over a Category 6A permanent link or an SFP+ 10GBASE-SR optical or 10GBASE-CR direct-attach copper interface, or better	Witnessed path-failure test with the session sustained
HW-03.6	Mandatory	Not fewer than four external high-speed serial peripheral ports of a published multi-supplier standard, each sustaining not less than 20 Gbit/s, measured on the delivered machine, of a class equivalent to Thunderbolt 4, Thunderbolt 5 or USB4 ports, or better	Instrumented transfer on each port
HW-03.7	Mandatory	Two displays, each not less than 60 cm diagonal at a resolution not less than 2,560 × 1,440, on an IPS or equivalent wide-viewing-angle panel at not less than 99 per cent sRGB coverage, of a professional class equivalent to a Dell UltraSharp or LG UltraFine monitor, or better	Physical inspection and configuration report
HW-03.8	Mandatory	Not fewer than two power supply modules, redundant and individually replaceable, either of which alone sustains the machine at the sustained load measured under Table 10.17	Witnessed module-removal test under load
HW-03.9	Mandatory	Passes the concurrent high-load acceptance test at Table 10.17 in full, on the delivered machine	Full instrument record retained with the installation record
HW-03.10	Mandatory	Completes RW-4 within the elapsed time published at Annexure B, drawing case data from HW-01	Timed run on Department-supplied material
HW-03.11	Mandatory	Hardware root of trust to a published multi-supplier specification, of a class equivalent to a Trusted Platform Module to the Trusted Computing Group TPM 2.0 specification, or better; full-volume encryption on every fixed volume with the key in departmental custody	Attestation record, configuration export and key-custody record
HW-03.12	Mandatory	Hardened to the benchmark at EV-15, audit-logged to EV-6, removable-media controlled to EV-9, with authenticated operator identity to EV-5	Hardening checklist, audit-log sample, interface listing
HW-03.13	Mandatory	Holds no enabled interface to any network outside its zone, and no wireless interface enabled	Interface listing and capture showing no egress
HW-03.14	Mandatory	Eleven units accepted at Headquarters, reconciled by serial number	Serial-number register reconciled against Annexure A
HW-03.15	Evaluated	Headroom above the core, memory, graphics-memory and scratch floors; margin by which the Table 10.17 elapsed times are bettered; expandability of storage and memory without chassis replacement	Configuration report and test record, scored under Chapter 16

Acceptance. Criteria WS5-a, WS5-e and WS5-f at Chapter 8, Table 8.18 apply, together with the timed runs at Annexure B and the full record of the test at Table 10.17. Every measurement is a pass condition; a machine failing any one is corrected or replaced and re-tested in full.

10.4.5 HW-04: Forensic Analysis Workstation, field grade

Scope and deployment. Eighty-two workstations: two at each of the seven Commissionerates and one at each of the sixty-eight Districts. This is the examination seat of a field unit and the machine on which the host, mobile and telecom software and the Case and Evidence Management System all run together. The two grades differ in case-store capacity and in nothing else, and no capability distinction between them is claimed anywhere in this Request for Proposal. Scratch storage is additional to the case store and is not a substitute for it. The configuration floors of this class are those at Table 10.16 for field grade together with those at Table 10.19, both sets contractual and verified on every delivered machine under Chapter 18.

Table 10.19: HW-04 requirements and verification

Ref	Class	Requirement (District grade)	Requirement (Commissionerate grade)	Verification
HW-04.1	Mandatory	Not fewer than 16 physical cores, and a score not less than the figure published at Annexure B for this class on RW-5, of a workstation class equivalent to an Intel Xeon W-2500 series or AMD Ryzen Threadripper PRO 7000 WX-series or 9000 WX-series processor, or better	Same	Benchmark run on the delivered machine
HW-04.2	Mandatory	Not less than 128 GB of error-correcting main memory, being DDR5 error-correcting memory at a data rate not less than 4,800 MT/s, of a class equivalent to DDR5-5600 or DDR5-6400 error-correcting modules, or better	Same	Configuration report
HW-04.3	Mandatory	Discrete graphics processor of professional or compute class with not less than 16 GB of dedicated memory and a documented, publicly available programming interface for general-purpose computation, of a class equivalent to an NVIDIA RTX PRO 4000 Blackwell, NVIDIA RTX 4000 Ada Generation or AMD Radeon PRO W7700 professional graphics processor, or better	Same	Configuration report; witnessed execution of the published media-decode and classifying-pass reference jobs within their stated elapsed times
HW-04.4	Mandatory	System volume not less than 1 TB solid-state; scratch storage not less than 2 TB solid-state sustaining not less than 3,000 MB/s read and 1,500 MB/s write on the delivered machine, both being NVMe storage on a PCI Express interface of generation 4 or later and the scratch storage at an endurance not less than 1 drive-write per day over a five-year design life, of a class equivalent to an enterprise mixed-use NVMe drive in U.2, U.3 or M.2 form factor rated at 1 to 3 drive-writes per day, or better	Same	Configuration report and instrumented storage measurement; endurance class evidenced from the manufacturer's published datasheet
HW-04.5	Mandatory	Case store: usable capacity after redundancy not less than 16 TB, mirrored, raw not less than 32 TB, on enterprise-class media equivalent to enterprise nearline SAS or SATA drives of not less than 7,200 revolutions per minute rated for continuous duty, or enterprise solid-state media, or better	Usable capacity after redundancy not less than 32 TB, mirrored, raw not less than 64 TB, on media of the same enterprise class	Capacity report from the delivered machine; media class evidenced from the manufacturer's published datasheet
HW-04.6	Mandatory	Integrated or bundled hardware-enforced write blocking on every acquisition path, of a class equivalent to a Tableau Forensic, CRU WiebeTech or Logicube hardware write blocker, or better, across the storage interface families in operational circulation, including at minimum but not limited to SATA, SAS, NVMe in M.2, U.2 and U.3 form factors, USB in its 3.2 and USB4 generations, IDE and PATA, eSATA and the memory-card families in circulation, and any further family in operational circulation at the date of bid or entering circulation during the contract term. Software-only write protection is not acceptable	Same	Documented write-attempt test producing evidence that no write occurred, on every interface family in the enumeration that the delivered item supports
HW-04.7	Mandatory	Sustained acquisition rate not less than 150 MB/s on RW-1 and not less than 100 MB/s on RW-2, with hashing enabled	Same	Timed acquisition on the reference source media
HW-04.8	Mandatory	Passes the concurrent high-load acceptance test at Table 10.17 in full, on the delivered machine	Same	Full instrument record retained with the installation record

Ref	Class	Requirement (District grade)	Requirement (Commissionerate grade)	Verification
HW-04.9	Mandatory	Plays recorded video at native resolution and frame rate at not fewer than four simultaneous streams without dropped frames, the dropped-frame count reported and recorded	Same	Witnessed playback on Department-supplied media with the count recorded
HW-04.10	Mandatory	Not fewer than four external high-speed serial peripheral ports of a published multi-supplier standard, each sustaining not less than 10 Gbit/s, of a class equivalent to USB 3.2 Generation 2, USB4 or Thunderbolt 4 ports, or better; one 10-gigabit-capable network interface of a class equivalent to a 10GBASE-T interface over a Category 6A permanent link, or better	Same	Instrumented transfer on each port; interface listing
HW-04.11	Mandatory	Two displays, each not less than 60 cm diagonal at a resolution not less than 2,560 × 1,440, on an IPS or equivalent wide-viewing-angle panel at not less than 99 per cent sRGB coverage, of a professional class equivalent to a Dell UltraSharp or LG UltraFine monitor, or better	Same	Physical inspection and configuration report
HW-04.12	Mandatory	Operates fully offline; offline activation; no online re-validation; updates by the crossing procedure	Same	Operation with the Controlled Internet Zone disconnected
HW-04.13	Mandatory	Hardware root of trust to a published multi-supplier specification, of a class equivalent to a Trusted Platform Module to the Trusted Computing Group TPM 2.0 specification, or better; full-volume encryption on every fixed volume; authenticated operator identity with per-session logging to tamper-evident local storage	Same	Attestation record, configuration export and session-log inspection
HW-04.14	Mandatory	Hardened, audit-logged, removable-media controlled, with no path outside the Evidence Processing Zone and no enabled wireless interface	Same	Hardening checklist, audit-log sample, interface listing
HW-04.15	Mandatory	Operates within an ambient range of 10 °C to 40 °C at up to 80 per cent relative humidity, non-condensing, at the sustained load measured under Table 10.17. The Department maintains the unit's Evidence Processing Zone within that range; the supplier's obligation is that the machine performs to specification anywhere within it	Same	Manufacturer's published datasheet stating the operating range; ambient measured and recorded at the unit while the Table 10.17 test is run on that machine
HW-04.16	Mandatory	Protected by a dedicated IN-08 provision at not less than 1.0 kVA, of the online double-conversion topology required at IN-08.1, on a dedicated circuit	Same	Circuit schedule and the IN-08 discharge test at Table 10.33
HW-04.17	Mandatory	Sanitisation of a removable target device by verified overwrite of its whole addressable area with a read-back check, on RW-9, to the published method at Annexure L, DM-3, producing the sanitisation record that each crossing under EV-9 requires, performed by the unit's own officers and without supplier attendance	Same	Witnessed sanitisation and read-back verification on RW-9, with the sanitisation record produced
HW-04.18	Evaluated	Headroom above the core, memory, graphics-memory, scratch and case-store floors; margin by which the Table 10.17 elapsed times are bettered; storage expandability within the delivered chassis; additional acquisition interfaces	Same	Configuration report and test record, scored under Chapter 16

Acceptance. Criteria WS5-a to WS5-f at Chapter 8, Table 8.18 apply in full, unit by unit, together with the full record of the test at Table 10.17 for every delivered machine. Every measurement is a pass condition.

10.4.6 HW-05: Acquisition and Processing Node, field grade

Scope and deployment. One node at each of the sixty-eight Districts, being the second machine on which a District acquires and processes while its single analysis workstation is in interactive use; the District design point published at Chapter 3 is computed on its presence. It is not portable, is not carried to a scene and is not an alternative to the on-scene response kit at HW-07; no ingress protection or battery rating is specified for it and none is required. It writes and hash-verifies a preserved exhibit's image within the five working days the archival rule at Chapter 4 requires, and is not an interactive analysis seat.

The configuration floors of this class are those at Table 10.16 together with those at Table 10.20, and both sets are contractual. The figures Table 10.16 fixes for this class and Table 10.20 does not restate — one display of not less than 55 cm diagonal on an IPS or equivalent wide-viewing-angle panel of a professional class equivalent to a Dell UltraSharp or LG UltraFine monitor, or better; one 10-gigabit-capable network path of a class equivalent to a 10GBASE-T interface over a Category 6A permanent link, or better; and not fewer than four external high-speed serial peripheral ports of a published multi-supplier standard each sustaining not less

than 10 Gbit/s, of a class equivalent to USB 3.2 Generation 2, USB4 or Thunderbolt 4 ports, or better — are floors of this item, verified on every delivered node under Chapter 18.

Table 10.20: HW-05 requirements and verification

Ref	Class	Requirement	Verification
HW-05.1	Mandatory	A fixed deskside machine, permanently installed in the Evidence Processing Zone, mains-powered through its own IN-08 provision on a dedicated circuit. Not portable and not battery-operated	Physical inspection and circuit schedule recorded on the installation record
HW-05.2	Mandatory	Not fewer than 12 physical cores, and a score not less than the figure published at Annexure B for this class on RW-5, of a class equivalent to an Intel Xeon W-2400 or W-2500 series workstation processor or an AMD EPYC 4005 series processor, or better	Benchmark run on the delivered machine
HW-05.3	Mandatory	Not less than 64 GB of error-correcting main memory, being DDR5 error-correcting memory at a data rate not less than 4,800 MT/s, of a class equivalent to DDR5-5600 or DDR5-6400 error-correcting modules, or better	Configuration report
HW-05.4	Mandatory	System volume not less than 1 TB solid-state; scratch storage not less than 2 TB solid-state sustaining not less than 3,000 MB/s read and 1,500 MB/s write on the delivered machine, both being NVMe storage on a PCI Express interface of generation 4 or later and the scratch storage at an endurance not less than 1 drive-write per day over a five-year design life, of a class equivalent to an enterprise mixed-use NVMe drive in U.2, U.3 or M.2 form factor rated at 1 to 3 drive-writes per day, or better	Configuration report and instrumented storage measurement; endurance class evidenced from the manufacturer's published datasheet
HW-05.5	Mandatory	Acquisition target store: usable capacity after redundancy not less than 8 TB, mirrored, raw not less than 16 TB, additional to and not counted towards the case store at HW-04, on enterprise-class media equivalent to enterprise nearline SAS or SATA drives of not less than 7,200 revolutions per minute rated for continuous duty, or enterprise solid-state media, or better	Capacity report; storage inventory reconciled per unit; media class evidenced from the manufacturer's published datasheet
HW-05.6	Mandatory	Hardware-enforced write blocking on every acquisition path, of a class equivalent to a Tableau Forensic, CRU WiebeTech or Logicube hardware write blocker, or better, across the storage interface families in operational circulation, including at minimum but not limited to SATA, SAS, NVMe in M.2, U.2 and U.3 form factors, USB in its 3.2 and USB4 generations, IDE and PATA, eSATA and the memory-card families in circulation, and any further family in operational circulation at the date of bid or entering circulation during the contract term. Software-only write protection is not acceptable	Documented write-attempt test producing evidence that no write occurred, on every interface family in the enumeration that the delivered item supports
HW-05.7	Mandatory	Sustained acquisition rate not less than 200 MB/s on RW-1 and not less than 120 MB/s on RW-2, with hashing enabled	Timed acquisition on the reference source media
HW-05.8	Mandatory	Completes RW-6 (an unattended acquisition, hash, index, automated processing pass and archival write) while that unit's analysis workstation is in interactive use on a different exhibit, with both machine logs retained and neither operation degraded beyond the elapsed times published at Annexure B	Concurrent witnessed run with both machine logs retained
HW-05.9	Mandatory	Passes the concurrent high-load acceptance test at Table 10.17 in full, on the delivered machine, against the node's task set, being Task A at CHL-1 and Task B at CHL-2. Tasks C and D are not run on the node, the field telecom record analyser and the Case and Evidence Management System being deployed at one instance per unit on that unit's analysis workstation, and the interactivity measurement at CHL-12 accordingly does not apply to the node	Full instrument record retained with the installation record
HW-05.10	Mandatory	Runs unattended for a period of not less than 12 hours without operator intervention, resuming or recording a clean failure on interruption, and never leaving a partial image unmarked	Witnessed unattended run with an induced interruption
HW-05.11	Mandatory	Authenticated operator identity with per-session logging to tamper-evident local storage; an unattributed session is refused and the refusal recorded	Session log inspection and an attempted unattributed session
HW-05.12	Mandatory	An integrated or attached archival media writer that writes a verified image to archival media at a sustained rate not less than 250 MB/s and reads it back for hash verification, with the result recorded, of a class equivalent to an LTO Ultrium generation 9 or generation 10 drive, or better	Witnessed write and read-back with hash comparison and measured rate
HW-05.13	Mandatory	Hardware root of trust to a published multi-supplier specification, of a class equivalent to a Trusted Platform Module to the Trusted Computing Group TPM 2.0 specification, or better; full-volume encryption on every fixed volume	Attestation record and configuration export
HW-05.14	Mandatory	Operates fully offline; no path to any network outside the Evidence Processing Zone; no enabled wireless interface	Interface listing and capture showing no egress
HW-05.15	Mandatory	Operates within an ambient range of 10 °C to 35 °C at up to 80 per cent relative humidity, non-condensing, at the sustained load measured under Table 10.17	Manufacturer's published datasheet stating the operating range; ambient measured and recorded at the unit while the Table 10.17 test is run on that machine
HW-05.16	Mandatory	Requires no interactive analysis entitlement beyond the concurrency written into the software items, and no additional charge arises during the term from operating it	Entitlement record inspected; witnessed

Ref	Class	Requirement	Verification
			concurrent operation
HW-05.17	Mandatory	Protected by a dedicated IN-08 provision at not less than 0.6 kVA, of the online double-conversion topology required at IN-08.1, on a circuit separate from that of the analysis workstation	Circuit schedule and the IN-08 discharge test at Table 10.33
HW-05.18	Evaluated	Additional acquisition interfaces; storage headroom above the floors; queue management for successive unattended jobs; margin by which the Table 10.17 and RW-6 elapsed times are bettered	Configuration report and demonstration, scored under Chapter 16

Acceptance. Criteria WS4-a to WS4-d and WS4-f at Chapter 8, Table 8.18 apply in full. The node is a proof-of-concept-gated item at Chapter 17 and carries its own case at Annexure F, the concurrency it delivers being demonstrated before award and after technical qualification.

10.4.7 HW-06: Hardware Forensic Imager

Scope and deployment. Eight bench duplicators: one at Headquarters and one at each of the seven Commissionerates, for duplication at throughput, distinct from the acquisition path of a workstation and from the portable blocker of the on-scene kit. Each is a purpose-built forensic duplicator of a class equivalent to a Tableau Forensic TX1, a Logicube Forensic Falcon-NEO2 or an equivalent duplicator tested under a recognised forensic tool-testing programme, or better.

Table 10.21: HW-06 requirements and verification

Ref	Class	Requirement	Verification
HW-06.1	Mandatory	Hardware-enforced write blocking on every source port, across the storage interface families in operational circulation, including at minimum but not limited to SATA, SAS, NVMe in M.2, U.2 and U.3 form factors, USB in its 3.2 and USB4 generations, IDE and PATA, eSATA, FireWire where still encountered and the memory-card families in circulation, and any further family in operational circulation at the date of bid or entering circulation during the contract term, evidenced by the supported-interface matrix at SB-2	Documented write-attempt test on every source port
HW-06.2	Mandatory	Sustained acquisition rate not less than 250 MB/s on RW-1 and not less than 120 MB/s on RW-2, with hashing enabled, measured over the whole acquisition	Timed acquisition on the reference source media
HW-06.3	Mandatory	Simultaneous duplication to not fewer than two targets without reduction of the rate at HW-06.2 below the stated figure	Timed dual-target acquisition
HW-06.4	Mandatory	Acquires a source device of not less than 8 TB to completion without operator intervention, and reports completion and verification	Witnessed unattended acquisition of the reference 8 TB source
HW-06.5	Mandatory	Hash of not less than 256-bit digest length computed during acquisition and verified against the source, with a mismatch stopping the operation and being recorded, the algorithms supported including at minimum but not limited to SHA-256 and any further published algorithm of not less than 256-bit digest length in operational circulation	Known-answer test and a negative test with an altered source
HW-06.6	Mandatory	Output in an open forensic container format and in raw form, each with a hash manifest, the formats including at minimum but not limited to raw (dd), the E01 and Ex01 evidence file formats and the AFF4 format, and any further open forensic container format in operational circulation at the date of bid or entering circulation during the contract term	Output opened and hash-verified on an independent machine
HW-06.7	Mandatory	Acquisition log carrying operator identity, timestamps, source identifiers, interface used, firmware version, acquired byte count and every hash	Log field inspection against the published field list
HW-06.8	Mandatory	Integrated media sanitisation of a target device with a verification record, on RW-9	Witnessed sanitisation and read-back verification
HW-06.9	Mandatory	Operates standalone with no network connection of any kind, and holds no enabled network interface	Interface listing; operation with no connection
HW-06.10	Mandatory	Firmware updatable offline by removable media under the crossing procedure, with the installed version recorded and reportable	Witnessed offline update, crossing register entry inspected
HW-06.11	Mandatory	Operates within an ambient range of 10 °C to 40 °C at up to 80 per cent relative humidity, non-condensing, at continuous duty; declared connected load in kilovolt-amperes verified under load	Manufacturer's published datasheet stating the operating range; witnessed continuous-duty run with the ambient measured and recorded; instrumented load measurement
HW-06.12	Evaluated	Additional interface families; additional simultaneous targets; sustained rate above HW-06.2; source capacity above HW-06.4	Demonstration on Department-supplied media, scored under Chapter 16

Acceptance. Criteria WS4-a, WS4-b and WS4-f at Chapter 8, Table 8.18 apply. Every measurement at Table 10.21 is a pass condition.

10.4.8 HW-07: On-scene Response Kit

Scope and deployment. Seventy-five kits: one at each of the seven Commissionerates and one at each of the sixty-eight Districts, being one at every field unit and none at Headquarters, which registers no case and mounts no scene response. The kit is taken to a scene under the scene-attendance obligations at Chapter 5 and used to collect, preserve and package evidence where it is found. No examination workload, processing time or analysis benchmark is specified against it, no software entitlement of any kind is bundled with it, and it carries no bench duplicator; bench duplication is the separate item at HW-06.

Table 10.22: HW-07 requirements and verification

Ref	Class	Requirement	Verification
HW-07.1	Mandatory	Portable hardware-enforced write blocker, of a class equivalent to a Tableau Forensic portable write blocker, a CRU WiebeTech Forensic UltraDock or NVMe WriteBlocker, or an equivalent portable blocker tested under a recognised forensic tool-testing programme, or better, with an adapter set covering the storage interface families in operational circulation, including at minimum but not limited to SATA, SAS, NVMe in M.2, U.2 and U.3 form factors, USB in its 3.2 and USB4 generations, IDE and PATA, eSATA and FireWire where still encountered; and a memory-card adapter set covering the card families in operational circulation, including at minimum but not limited to SD, SDHC, SDXC, microSD, CompactFlash, CFexpress, XQD, Memory Stick and UFS cards, together with any further storage-interface or card family in operational circulation at the date of bid or entering circulation during the contract term	Documented write-attempt test on every adapter path; item check against the published adapter list
HW-07.2	Mandatory	Rugged field computer for acquisition control, hashing, logging and the evidential record, with not fewer than 8 physical cores, not less than 32 GB of main memory and not less than 1 TB of internal solid-state storage. The processor is of a mobile workstation class equivalent to an Intel Core Ultra 7 or 9 H-series or HX-series, or an AMD Ryzen 7 or 9 PRO mobile processor, or better; the internal storage is an NVMe drive on a PCI Express interface of generation 4 or later, of a class equivalent to a professional NVMe drive, or better. No examination or analysis workload is specified and no analysis entitlement is bundled	Configuration report; item inspection against the published deliverable list; entitlement inventory confirmed nil
HW-07.3	Mandatory	Field computer ingress protection not less than IP54, and operation across 0 °C to 45 °C at up to 90 per cent relative humidity, non-condensing, of a rugged class equivalent to a Panasonic Toughbook, Getac B-series or Dell Pro Rugged notebook, in each case in a fully rugged variant whose manufacturer's published datasheet states an ingress protection rating not lower than the IP54 floor above, or better. The packed kit withstands carriage to a scene and is fit for use on arrival	Manufacturer's published datasheet stating the ingress protection rating and the operating range; and one witnessed transit check on a sample kit: packed in its transit case, carried over a route stated by the Department, then unpacked, powered and shown to complete an acquisition on Department-supplied media, recorded on the acceptance record
HW-07.4	Mandatory	Battery endurance not less than 6 hours of continuous acquisition at the field computer's full acquisition load, measured from a single fully charged internal battery without change or external supply; additionally a spare battery or an equivalent field charging provision supplied, and a vehicle-supply adapter for a nominal 12 V direct-current supply. Where the internal battery is user-changeable, the change shall be capable of being made without interrupting an acquisition in progress	Witnessed battery-endurance test on a single internal battery at measured load, run to the six-hour figure without change or external supply; witnessed battery change during an acquisition with the acquisition log and hashes intact afterwards; adapter operation demonstrated
HW-07.5	Mandatory	Sustained acquisition rate not less than 150 MB/s on RW-1 and not less than 100 MB/s on RW-2, with hashing enabled, on battery power	Timed acquisition on the reference source media, on battery
HW-07.6	Mandatory	Evidence isolation bags in not fewer than three sizes, being radio-frequency shielding (Faraday) bags of a class supplied for forensic use, each isolating a mobile device placed within it from every cellular and short-range radio network, including at minimum but not limited to the cellular generations, wireless local area network, Bluetooth and satellite positioning bands in operational circulation, and supplied with a means of charging a shielded device	Witnessed functional test on a sample of each size: a live handset shown to be attached to a network is placed in the bag and the bag closed; loss of attachment observed at the handset and logged on the acceptance record. No attenuation figure or test-house measurement is required
HW-07.7	Mandatory	Target media of not less than 4 TB aggregate per kit, sanitised and verified before issue on RW-9, with the sanitisation record supplied, on solid-state or rotating media of a class equivalent to a	Media inventory and sanitisation verification

Ref	Class	Requirement	Verification
		professional external NVMe or enterprise portable drive rated for field carriage, or better	record
HW-07.8	Mandatory	Numbered tamper-evident seals, evidence bags, gloves, labels, a cable kit covering the storage-interface and power connector families in operational circulation and no others, including at minimum but not limited to SATA and eSATA data and power leads, SAS leads, M.2, U.2 and U.3 adapter leads, USB Type-A, Type-B, Type-C and micro-B leads, IDE and PATA leads and their power adapters, and the mains and low-voltage power leads of the families in circulation, mobile-device cabling being supplied once under SW-03 and not duplicated here, a torch, a scale rule for photography and a documented packing list fixed inside the transit case	Item-by-item check against the published deliverable list, the list stating expressly that no mobile-device cable is carried under this item
HW-07.9	Mandatory	Transit case with ingress protection not less than IP65, cut foam retaining every component, a pressure-equalisation valve, and an external label carrying the unit and kit identifier, of a class equivalent to a Peli or Pelican Protector, a Peli Storm or an SKB waterproof transit case, or better	Physical inspection, and the manufacturer's published datasheet stating the ingress protection rating of the case
HW-07.10	Mandatory	Output in an open forensic container format and in raw form with a hash manifest, the formats including at minimum but not limited to raw (dd), the E01 and Ex01 evidence file formats and the AFF4 format, and any further open forensic container format in operational circulation at the date of bid or entering circulation during the contract term; acquisition log to EV-3; operates fully offline; full-volume encryption on the field computer's internal storage	Output opened and hash-verified; log field inspection; configuration export
HW-07.11	Mandatory	Total carried mass of the packed kit not more than 20 kg, so that it is deployable by one officer	Weighed at delivery inspection
HW-07.12	Evaluated	Additional adapter coverage; battery endurance above HW-07.4; ingress protection rating above HW-07.3; integrated volatile-data preservation with a recorded operation log, the preserved image being written in an open, published format for which the Department may obtain a reader independently, no examination capability for it being procured under this Bill	Demonstration on Department-supplied material, scored under Chapter 16

Acceptance. Criteria WS4-a, WS4-e and WS4-f at Chapter 8, Table 8.18 apply. The consumable set on which the kit draws is replenished under SV-04. Every measurement at Table 10.22 is a pass condition.

10.5 Infrastructure items

Who provides what at a site. The Department provides the basic infrastructure at every site: the room and its fabric, air conditioning, lighting, the electricity supply including the dedicated circuits, earthing and protection, the fire-safety system, and physical security of the premises. The System Integrator provides everything technological placed within that room: the computer systems, the storage and network equipment, the racks, the data and internal power cabling, the power protection provisions, the evidence cabinets and the training-laboratory equipment, and installs, configures and maintains them. On environment the System Integrator's obligation is to monitor, log and alarm the conditions in the equipment room and in the training laboratory. It does not supply cooling plant. This division applies to every item in this section, and the temperature, humidity and illumination bands stated below are the conditions to be monitored and alarmed against.

10.5.1 Electrical load, the field-tier environmental condition, and the site-readiness figures that follow

The field cabling and switching, the training laboratory, the Headquarters electrical provision, the unit-level power provision and the per-machine power provision are all sized from the figures stated in this section.

How the figures were derived, and what is contractual. Each machine class's sustained draw is derived component by component at the sustained utilisation of the concurrent high-load acceptance test at Table 10.17, and not at idle, at a power-supply conversion efficiency of 0.90. The per-tier figures apply a diversity factor of 0.85 at a field unit and 0.80 at Headquarters, a power factor of 0.90, cooling at a coefficient of performance of 3 applied to the full information-technology load, and lighting at 0.30 kW at a District, 0.40 kW at a Commissionerate and 3.00 kW at Headquarters. The figures in Table 10.23 and its continuations are planning figures for sizing; the contractual figure is the measured one — the load measured at CHL-15 for each machine, and the connected-load measurement required at IN-04.11, IN-05.1 and IN-07.1 for each unit. Where the load measured at CHL-15 for a machine exceeds the figure stated for its class at Table 10.32, the provision at that machine is sized to the measured load and the runtime obligation at IN-08.2 is re-verified at the measured load, both at the supplier's cost; where that excess exceeds 20 per cent of the figure at Table 10.32, the event is additionally reported under the re-sizing triggers at Chapter 3, Table 3.6. Table 10.32 is the single baseline for both consequences, and the bidder's own declaration is not a baseline for either.

Table 10.23: Electrical load: the sustained draw of each machine class

Machine class	Sustained draw under the concurrent high-load condition, including displays and attached acquisition hardware
Laboratory-grade workstation (HW-03)	947 W
Field-grade workstation (HW-04)	740 W
Acquisition and processing node (HW-05)	399 W

Table 10.23, continued: the per-tier connected load, the diversified demand and the site-readiness dedicated supply and circuit count that follow from them

Tier	Connected information-technology load	Connected total with cooling and lighting	Diversified	Site-readiness dedicated supply, not less than	Dedicated circuits, not fewer than
District	1.44 kW	2.22 kW	1.89 kW (2.10 kVA)	3 kVA	2, one for the analysis workstation and one for the acquisition and processing node
Commissionerate	1.88 kW	2.91 kW	2.47 kW (2.75 kVA)	4 kVA	3, one for each analysis workstation and one for the bench imager and ancillaries
Headquarters	25.31 kW	36.75 kW	29.40 kW (32.67 kVA)	45 kVA	Not fewer than 22: eleven, one for each laboratory-grade workstation as IN-08.1 requires; one for each of the five Headquarters zones; one for the management domain; and five for the learner positions of the training laboratory as at IN-04.11, as further detailed at IN-05.1

The District information-technology figure of 1.44 kW comprises one field-grade workstation at 740 W, one acquisition and processing node at 399 W, local switching at 50 W, the Controlled Internet Zone endpoint at 150 W and on-scene kit charging at 100 W. The Commissionerate figure comprises two field-grade workstations, the bench imager at 100 W and the same three ancillaries. The Headquarters figure comprises the eleven laboratory-grade workstations at 947 W each, the compute and storage platform, the backup and archive tier, the zoning and switching provision, the thirty learner positions and the instructor position of the training laboratory with their room displays, the bench imager at 100 W, the laboratory endpoints of the nine non-examining posts, and the Headquarters ancillaries. The 25.31 kW Headquarters figure is a planning total and not a schedule of component allowances: it is the design point from which the connected, diversified and apparent-power figures in this table and the 45 kVA site-readiness supply are fixed, and no per-component allowance is published or to be inferred for components not given a wattage above. The figure against which the training-laboratory declaration at IN-04.11 and the residual sizing at IN-07.1 are made is the connected load measured by instrument at IN-04.11, IN-05.1 and IN-07.1, and that measured figure is a term of the contract.

Laboratory endpoints, defined. "Laboratory endpoints" are the departmental desk machines at Headquarters serving the nine non-examining posts. They lie outside the Bill of Materials at Chapter 9 and stand on the same footing as the Controlled Internet Zone endpoint: the System Integrator protects them at IN-07 and does not supply, maintain or price them. Their number and the wattage allowed for each are fixed at site readiness and recorded at Annexure H, against which the residual sizing at IN-07.1 is made.

Three consequences carried into site readiness. First, the dedicated-supply figure per tier is a numeric site-readiness condition, verified at joint verification sixty days before that unit's scheduled deployment under Chapter 11 and recorded at Annexure H; a unit certified against any other figure is not ready. Second, the circuit counts above are mandatory. Third, earth resistance at a field unit shall not exceed 5 ohms, measured and recorded at site readiness; the Headquarters earth requirement is the tighter figure at IN-05.2.

The field-tier environmental condition. A field unit is not an equipment room and is not held to the equipment-room envelope at IN-05.4. Its environmental condition is verified against the equipment rating band of the machines deployed there, at the values below, which are the values against which the field-unit readiness row at Annexure H is verified. No precision cooling is required, procured or priced at a field unit; the Department provides the comfort cooling and ventilation sufficient to hold the ambient within the band, verified at site readiness under Chapter 11 and Annexure H. The supplier's obligation is that every delivered machine performs to specification anywhere within the band, as fixed at HW-04.15 and HW-05.15.

Table 10.23, further continued: the field-tier environmental condition and its verification

Parameter	Value at a field unit	Verification
Ambient temperature	10 °C to 35 °C	Instrumented measurement at the working position, logged over the observation period
Relative humidity	Not more than 80 per cent, non-condensing	Instrumented measurement at the working position, logged over the observation period
Illumination at the working position	Not less than 300 lux	Instrumented measurement at a published grid of points at the working position
Observation period	Not less than one hour, continuous, with the unit's machines operating	Continuous log over the period, recorded on the site-readiness record and carried into Annexure H
Precision cooling	Not required, not supplied and not priced at a field unit	Nil finding recorded on the site-readiness record

10.5.2 IN-01: Headquarters Network Zoning and Switching

Scope and deployment. One zoned switching and security provision at Headquarters, delivering the five Headquarters zones and the management domain of Chapter 4, with redundant supervisory and power elements. It is the only network provision in the programme that performs policy enforcement, and it enforces policy within one building and no further. The Department specifies the separation and the evidence of it, not the mechanism: the domains may be delivered by any mechanism at the bidder's option. The switching platform on which they are delivered is nonetheless of an enterprise managed switching class equivalent to a Cisco Catalyst 9000 series, Juniper EX series or HPE Networking Aruba CX series switch, or better, with a vendor-supported software release and a published end-of-support date not earlier than the close of the operations period.

Table 10.24: IN-01 requirements and verification

Ref	Class	Requirement	Verification
IN-01.1	Mandatory	Not fewer than six independently administered network domains (one for each of the five Headquarters zones and one for the management domain), each with its own policy set, administrative role and audit trail, achievable by any mechanism	Configuration export and access-control listing per domain; attempted cross-domain connection recorded as refused
IN-01.2	Mandatory	A separately administered non-attributable egress segment within the Controlled Internet Zone domain, with no path to any evidence-processing system	Egress path demonstration and interface listing
IN-01.3	Mandatory	The Training Zone has no path to any evidential zone and none can be configured without a recorded administrative change	Attempted connection refused and the attempt logged; and a witnessed configuration change creating such a path, made through the management domain, shown to be refused to a non-administrative identity and, when made administratively, written to the write-once log at IN-01.7 with the identity, the time and the change recorded, the change then reversed and the reversal logged
IN-01.4	Mandatory	Access ports sized to the delivered Headquarters endpoint count with not less than 20 per cent spare capacity, of which not fewer than 24 are 10-gigabit ports, being two for each of the eleven laboratory workstations as HW-03.5 requires and not fewer than two serving the backup and archive tier at HW-02, of a class equivalent to 10GBASE-T ports over Category 6A permanent links or SFP+ 10-gigabit ports on 10GBASE-SR optical or 10GBASE-CR direct-attach copper media, or better; and the ports serving the two paths required at HW-01.7 are of not less than 25 gigabits per second, of a class equivalent to SFP28 ports on 25GBASE-CR direct-attach copper or 25GBASE-SR optical media over OM4 fibre, or better	Port inventory reconciled against the Headquarters tier package at Chapter 9 and the Headquarters serial at Annexure A; port speed and media class evidenced from the delivered configuration
IN-01.5	Mandatory	Sized to sustain the Headquarters aggregate inspected throughput, with the full policy set enforced, at not less than 1.5 times the aggregate sustained throughput required of the compute and storage platform at HW-01.5, being 2,500 MB/s measured with eleven concurrent streams	Load test at 1.5 times that figure with the full policy set enforced, throughput and packet loss recorded on the instrument record

Ref	Class	Requirement	Verification
IN-01.6	Mandatory	No wide-area routing function enabled and no tunnelling configuration present towards any address outside the Headquarters premises	Configuration export and outbound-traffic capture
IN-01.7	Mandatory	Central log collection for the Headquarters estate to write-once storage, and time synchronisation to the national reference time source with the measured offset recorded	Log store inspection; clock offset measured against the reference
IN-01.8	Mandatory	Redundant supervisory and power elements, such that the failure of either does not interrupt an examination session; each supply fed from a separate protected circuit	Witnessed failover with session continuity recorded
IN-01.9	Mandatory	Administrative access only through the management domain, with multi-factor authentication for every administrative account and separate administrative and operating identities	Access-control listing and a witnessed authentication attempt
IN-01.10	Mandatory	Every administrative action logged to write-once storage and reviewable by the Laboratory Head	Log sample inspected against a performed administrative action
IN-01.11	Evaluated	Domain headroom above six; port headroom above IN-01.4; automated configuration backup with version history	Configuration report, scored under Chapter 16

Acceptance. Criterion WS1-a at Chapter 8, Table 8.18 applies, together with the zoning tests at Annexure B.

10.5.3 IN-02: Headquarters Structured Cabling, Racks and Passive

Scope and deployment. One structured cabling, rack and passive provision at Headquarters, serving the zones delivered by IN-01 and the equipment of HW-01, HW-02, HW-03 and IN-04. Every link is tested and the per-link result retained; a sampling plan is not accepted for cabling. Physical separation between zones is delivered in the cabling plant and not by configuration alone.

Table 10.25: IN-02 requirements and verification

Ref	Class	Requirement	Verification
IN-02.1	Mandatory	Permanent links of a published cabling category not lower than Category 6A, terminated on patch panels, of a class equivalent to Category 6A U/FTP or F/FTP components to ISO/IEC 11801 and the ANSI/TIA-568.2 series in the editions current at the date of bid, or better; where optical media are used they are of a class equivalent to OM4 multimode or OS2 single-mode fibre, or better	Material inspection against the delivery record; component category and standard evidenced from the manufacturer's published datasheet
IN-02.2	Mandatory	Every installed link certified by a permanent-link test on a calibrated field tester of an accuracy class not lower than Level V, of a class equivalent to a Fluke Networks DSX CableAnalyzer series tester, or better, one test per outlet, with the per-link result retained	Per-outlet test report lodged with the as-built set; tester model and calibration certificate recorded
IN-02.3	Mandatory	Every outlet, patch panel port, patch cord and rack labelled to the as-built schedule, at both ends	Labelling inspection against the as-built schedule
IN-02.4	Mandatory	Zone pathways physically separated and identifiable on the as-built drawing	As-built drawing compared with the installed plant
IN-02.5	Mandatory	Racks of not less than 42U, floor-standing, lockable front and rear, of a 19-inch (482.6 mm) class to EIA-310-E and IEC 60297-3-100, equivalent to an APC NetShelter SX, Rittal TS IT or Vertiv VR rack, or better, with two in-rack power distribution units each fed from a separate protected circuit and each rated not less than 16 A, metered at the unit and of a class equivalent to an APC Rack PDU or Vertiv Geist rack power distribution unit, or better, cable management, and earthing to the value at IN-05.2	Physical inspection, rating plate check and earth continuity measurement
IN-02.6	Mandatory	Outlet count sized to the delivered Headquarters endpoint set at Chapter 9 with not less than 20 per cent spare capacity, and rack count sized to house the delivered equipment of HW-01, HW-02, HW-03, IN-01 and IN-04 with not less than 20 per cent rack-unit headroom, both counts declared in the bid and reconciled at commissioning; spares of not less than 10 per cent of installed outlets, patch cords and panel modules, handed over at commissioning	Outlet and rack counts reconciled against the Headquarters tier package at Chapter 9; spares inventory at final commissioning
IN-02.7	Evaluated	Category above the mandatory floor; pathway capacity headroom for future outlets; rack unit headroom above the delivered equipment	Documentary, scored under Chapter 16

Acceptance. Criterion WS1-b at Chapter 8, Table 8.18 applies.

10.5.4 IN-03: Field-Unit Local Cabling and Switching

Scope and deployment. Seventy-five provisions, one at each of the seven Commissionerates and one at each of the sixty-eight Districts, each sized to that unit's own procured endpoints and to nothing beyond them. No inter-unit connectivity is procured in this programme and a bidder shall not price any, at this item or at any other. The unit's internet service is an independent local connection provided by the Department, terminating in the Controlled Internet Zone alone, and is outside this specification. The provision delivers local cabling, a

wall rack, a managed switch and tested outlets, wired so that the Evidence Processing Zone is physically separate from the Controlled Internet Zone; separation is delivered in the plant and not in a configuration.

Table 10.26: IN-03 requirements and verification

Ref	Class	Requirement	Verification
IN-03.1	Mandatory	No firewall, no router, no virtual-private-network or tunnelling device, and no wide-area interface is supplied, installed or configured at any field unit	Physical inspection recorded as a nil finding on the installation record
IN-03.2	Mandatory	The Evidence Processing Zone has no path to any network outside itself: no cable, no enabled wireless interface, no common switch port group, no shared uplink, no shared storage and no shared account	Documented zone-separation test with port map, interface listing and capture showing no egress
IN-03.3	Mandatory	The Controlled Internet Zone is a separate machine or a separately connected endpoint and holds no evidential artefact, image, working copy or derived intermediate	Inspection of the endpoint and of its storage against the published check
IN-03.4	Mandatory	Permanent links of a published cabling category not lower than Category 6A, of a class equivalent to Category 6A U/FTP or F/FTP components to ISO/IEC 11801 and the ANSI/TIA-568.2 series in the editions current at the date of bid, or better, every link certified by permanent-link test on a tester of the accuracy class at IN-02.2, every outlet labelled at both ends	Per-link test report and labelling inspection
IN-03.5	Mandatory	Managed switch with not fewer than 8 access ports and not fewer than two 10-gigabit-capable ports serving the Evidence Processing Zone, of an enterprise managed access-switch class equivalent to a Cisco Catalyst, Juniper EX or HPE Networking Aruba CX series switch, or better, with a vendor-supported software release and a published end-of-support date not earlier than the close of the operations period, the 10-gigabit ports being of a class equivalent to 10GBASE-T or SFP+ 10-gigabit ports, or better, the configuration exported at acceptance and every unused port disabled	Switch configuration export and port inventory inspected; software release and published end-of-support date recorded on the installation record
IN-03.6	Mandatory	Lockable wall rack of not less than 9U, sized to the unit's own endpoints, of a 19-inch (482.6 mm) class to EIA-310-E and IEC 60297-3-100, equivalent to an APC NetShelter WX or Rittal wall-mounted enclosure, or better, with cable management and earthing to a measured resistance not exceeding 5 ohms	Physical inspection and instrumented earth measurement
IN-03.7	Mandatory	Outlet count equal to the unit's own procured endpoints plus 20 per cent spare capacity rounded up to the next whole outlet, and no further outlet: being not fewer than 4 at a District and not fewer than 5 at a Commissionerate. No outlet is provided against an endpoint the unit does not hold	Outlet count reconciled against the tier package for that unit's tier at Chapter 9, read against the unit's tier at Annexure A
IN-03.8	Mandatory	No wireless access point installed in, or reachable from, the Evidence Processing Zone	Wireless survey recorded on the installation record
IN-03.9	Mandatory	Operates within an ambient range of 10 °C to 40 °C at up to 85 per cent relative humidity, non-condensing, without forced cooling of the rack	Manufacturer's published datasheet stating the operating range; and a sustained run recorded at every unit at installation, with the ambient measured and recorded, the switch passing traffic throughout and no port fault logged
IN-03.10	Evaluated	Switch port headroom above IN-03.5; managed power over the local links for the Controlled Internet Zone endpoint only	Configuration report, scored under Chapter 16

Acceptance. Criteria WS2-a to WS2-d at Chapter 8, Table 8.18 apply, unit by unit at all seventy-five field units.

10.5.5 IN-04: Training Laboratory (30-position)

Scope and deployment. One training laboratory at Headquarters, of thirty learner endpoints and one instructor endpoint, commissioned and accepted ahead of the balance of Headquarters under Chapter 11. Every one of the thirty learner endpoints and the instructor endpoint is fully equipped, in hardware and in software alike: each carries the whole training instance set deployed in the laboratory, and the laboratory carries not fewer than thirty concurrent entitlements of every hands-on licence class, so that all thirty learners may be in any one tool at the same moment. No learner waits for a seat, and no cohort is divided in order to deliver a hands-on module. The laboratory can livestream any session it delivers to officers at the field units, received at each unit over that unit's Controlled Internet Zone endpoint; the System Integrator supplies the livestream platform and its licences for the full contract term. Remote delivery is not constrained by the position count: remote sessions under SV-03 are delivered to officers at their own units from a separately connected endpoint of the Controlled Internet Zone, consuming the instructor position and that endpoint and no learner position, and remote session size remains not more than fifty learners. The structured remote training track under SV-03 continues unchanged as the curriculum delivered at a distance, and the livestream at IN-04.14 is an additional delivery

mechanism and not a substitute for it. The laboratory holds non-evidential data only: no case material, no exhibit and no forensic image is present in it at any time.

Table 10.27: IN-04 requirements and verification

Ref	Class	Requirement	Verification
IN-04.1	Mandatory	Thirty learner endpoints, each fully equipped in hardware and in software and each carrying the whole training instance set deployed in the laboratory: a computer of not fewer than 8 physical cores and not less than 32 GB of main memory, of a class equivalent to an Intel Core Ultra 7 or 9, an Intel Xeon W-2400 series or an AMD Ryzen 7 or 9 PRO processor, or better, with DDR5 memory at a data rate not less than 4,800 MT/s of a class equivalent to DDR5-5600 modules, or better; a solid-state system volume, being an NVMe drive on a PCI Express interface of generation 4 or later of a class equivalent to a professional NVMe drive, or better, sized to hold the operating environment, the whole training instance set and the training material with not less than 20 per cent of the volume free with all of them installed; a display of not less than 60 cm diagonal at a resolution not less than 1,920 × 1,080 on an IPS or equivalent wide-viewing-angle panel, of a professional class equivalent to a Dell UltraSharp or LG UltraFine monitor, or better; keyboard and pointing device, at a working desk position; and, where any hands-on class deployed in the laboratory is the training instance of an item whose operational specification at Section 10.4 requires a discrete graphics processor, a discrete graphics processor of professional or compute class with not less than 16 GB of dedicated memory, of a class equivalent to an NVIDIA RTX PRO 4000 Blackwell, NVIDIA RTX 4000 Ada Generation or AMD Radeon PRO W7700 professional graphics processor, or better, so that the training instance of that class runs at the learner endpoint on the same footing as at the machine the learner will use in service	Count and inspection; every position powered and operating; configuration report; free space on the system volume measured with the whole training instance set installed; graphics processor reported by the machine itself on every endpoint where the requirement applies
IN-04.2	Mandatory	One instructor endpoint, fully equipped in hardware and in software to not less than the specification at IN-04.1, with control of the display group, the ability to present any learner endpoint to the room, and the ability to initiate, control and end the livestream at IN-04.14, which originates at the separately connected Controlled Internet Zone endpoint at IN-04.4 and not at this endpoint	Witnessed demonstration from the instructor endpoint
IN-04.3	Mandatory	Not fewer than two room displays, each of diagonal not less than 165 cm, of resolution not less than 3,840 by 2,160, of a commercial or professional large-format display class rated by its manufacturer for continuous operation of not less than 12 hours a day, equivalent to a Samsung, LG or BenQ commercial display of that rating, or better, positioned so that the smallest character of the published training material subtends not less than 16 minutes of arc at the furthest learner position, and so that the distance from any display to the furthest learner position it serves is not more than four times that display's diagonal	Measured distance from each display to the furthest learner position it serves, recorded against the display diagonal; character height of the smallest character of the published training material measured on the display and recorded against the computed subtended angle
IN-04.4	Mandatory	An isolated training network with no path to any evidential zone, carrying non-evidential data only. Where remote delivery or a livestream is performed from the laboratory it is performed from a separately connected endpoint of the Controlled Internet Zone which holds no path to the learner segments. That endpoint is a departmental machine, provided by the Department outside the Bill of Materials at Chapter 9 on the same footing as the Controlled Internet Zone endpoint at a field unit, verified at site readiness under Annexure H, row K-M; the System Integrator connects, configures and protects it and does not supply it	Attempted connection to each evidential zone recorded as refused; storage inspected for evidential content; separation of the remote-delivery and livestream endpoint from the learner segments demonstrated
IN-04.5	Mandatory	One training network, administered as a single training segment with one instruction point, serving all thirty learner endpoints and the instructor endpoint together, so that every one of the thirty learners is on that network at the same moment and any module may be delivered to the whole cohort at once. The laboratory is not divided, and no divided arrangement is required or priced	Witnessed session with all thirty learner endpoints and the instructor endpoint operating on the one network simultaneously; configuration exported and the segment list inspected
IN-04.6	Mandatory	Not fewer than thirty concurrent learner entitlements of every hands-on licence class across the laboratory, for the training instances of the host, mobile and telecom tools and of every other class delivered hands-on, valid for the full term, by any licensing mechanism at the bidder's option, at no additional charge, so that all thirty learner endpoints may run the training instance of any one hands-on class at the same moment. All thirty endpoints likewise carry the theory, demonstration and assessment material simultaneously. No learner may be required to wait for an entitlement, and no arrangement by which successive groups of learners take a hands-on class in turn is accepted as a substitute for the thirty entitlements or priced as one	All thirty endpoints run the training instances of a hands-on class simultaneously, repeated for each hands-on class deployed in the laboratory; all thirty endpoints run the theory, demonstration and assessment material simultaneously; entitlement record inspected against the class list

Ref	Class	Requirement	Verification
IN-04.7	Mandatory	Thirty training device sets: not fewer than 30 portable write blockers, of a class equivalent to a Tableau Forensic portable write blocker, a CRU WiebeTech Forensic UltraDock or an equivalent portable blocker, or better; not fewer than 30 training storage devices spanning the rotating and the solid-state classes, including at minimum but not limited to SATA and SAS rotating drives, SATA and NVMe solid-state drives in 2.5-inch and M.2 form factors and USB removable media; and not fewer than 30 training handsets across the prevalent mobile operating-system families, including at minimum but not limited to Google Android and Apple iOS, in the versions prevalent at the date of bid and any later versions released during the contract term; together with the cable, adapter and card sets they require, the card sets including at minimum but not limited to SD, SDHC, SDXC, microSD and CompactFlash media. No training device may hold evidential data	Item-by-item check against the published deliverable list; storage of every training device inspected and recorded as holding no evidential data
IN-04.8	Mandatory	Usable floor area not less than 95 m², with not less than 2.5 m² per learner position, clear aisle width not less than 1.2 m, and an instructor zone of not less than 10 m²	Measured survey recorded on the installation record
IN-04.9	Mandatory	Furniture, specified here and supplied under IN-05.7 so that it is procured once: thirty learner desks with cable management and thirty adjustable chairs; instructor desk; lockable storage for the training device set and training media	Count and inspection against the furniture schedule at training-laboratory acceptance
IN-04.10	Mandatory	Illumination not less than 300 lux at desk level throughout and not more than 500 lux, with glare control at the display wall	Instrumented measurement at a published grid of points
IN-04.11	Mandatory	Power: one switched twin socket outlet per learner position on a protected supply, not more than six learner positions per dedicated circuit, giving not fewer than five learner circuits, residual-current protection at the distribution board, and the connected load declared in kilovolt-amperes and verified with all positions operating	Circuit schedule inspected; connected load measured with all positions operating
IN-04.12	Mandatory	Continuous instrumented monitoring, logging and alarm of temperature and relative humidity in the training laboratory against a band of 18 °C to 27 °C and 40 to 60 per cent relative humidity, with all thirty positions and the instructor position operating, with an alarm raised to the administrator on any excursion. The air conditioning that holds the room within that band is provided by the Department and is not supplied under this item	Continuous log over a witnessed session at full occupancy, with an induced excursion alarming
IN-04.13	Mandatory	Commissioned and accepted by month 4 from the contract effective date, under Chapter 11	Acceptance certificate date
IN-04.14	Mandatory	Livestream capability: the laboratory can livestream any session it delivers — vision, sound and the instructor's screen together — to officers at the field units, received at each unit over that unit's own Controlled Internet Zone endpoint, and sized so that every one of the seventy-five field units may receive the same session at the same time. The System Integrator supplies the livestream platform and its licences for the full contract term at no additional charge, of a class equivalent to Zoom Webinars, Microsoft Teams town halls and webinars, or Cisco Webex Webinars, or better. The livestream originates from the separately connected Controlled Internet Zone endpoint at IN-04.4 and holds no path to any learner segment or to any evidential zone. The vision of the room, the sound of the instructor and the instructor's screen reach the originating endpoint by one-way capture — a video, audio and screen-capture path carrying signal from the laboratory to that endpoint and carrying nothing in return, admitting no return path and passing no data of any kind towards the training segment — and by no network path from the training segment. The instructor's control of the livestream is exercised over that same one-way path or at the originating endpoint itself. The capture path and its equipment are supplied within this item. Livestreaming a session does not discharge any obligation of the structured remote training track under SV-03, which continues unchanged	Witnessed livestream of a live session from the laboratory, received and displayed at a field unit over that unit's Controlled Internet Zone endpoint, or at a representative endpoint where the Department so directs, with vision, sound and the instructor's screen each observed at the receiving end and recorded on the acceptance record; entitlement record for the platform inspected against the contract term; interface listing and outbound-traffic capture showing no path from the originating endpoint to any learner segment or to any evidential zone
IN-04.15	Evaluated	Position headroom above thirty learner endpoints; entitlement headroom above thirty concurrent entitlements of each hands-on class; recording of a delivered session and its replay to officers who could not attend, including the remote cohorts	Demonstration, scored under Chapter 16

Acceptance. Criterion WS1-c at Chapter 8, Table 8.18 applies, together with the training-laboratory tests at Annexure B. The laboratory is accepted on three demonstrations taken together: all thirty learner endpoints operating simultaneously on the theory, demonstration and assessment material; all thirty learner endpoints operating simultaneously on the training instance of a hands-on class within the thirty concurrent entitlements at IN-04.6; and a witnessed livestream under IN-04.14, received at a field unit over that unit's Controlled Internet Zone endpoint or at a representative endpoint where the Department so directs. A partial acceptance is not available for this item.

10.5.6 IN-05: Headquarters Electrical, Environmental and Laboratory Furnishing

Scope and deployment. One provision at Headquarters, covering electrical distribution within the laboratory, earthing, illumination, environmental monitoring, logging and alarm, fire-safety integration and the laboratory and training furniture. The Department provides the bulk supply, the substation, the main and laboratory distribution boards, the dedicated circuits and their protection, the earthing, standby generation, the air conditioning and the fire-safety system, verified at site readiness under Chapter 11; this item begins downstream of the laboratory distribution board. The System Integrator does not supply cooling plant: its obligation at IN-05.4 is to monitor, log and alarm the conditions in the equipment room, and at IN-04.12 to do the same in the training laboratory. Every value in Table 10.28 is instrumented and recorded at acceptance; none is accepted on a declaration.

Table 10.28: IN-05 requirements and verification

Ref	Class	Requirement	Verification
IN-05.1	Mandatory	Distribution within the laboratory downstream of the departmental laboratory distribution board: sub-circuits to each equipment position, each with residual-current and surge protection, sized to a connected information-technology load of not less than 25.31 kW and a connected total with cooling and lighting of not less than 36.75 kW, against the departmental dedicated supply of not less than 45 kVA delivered on not fewer than twenty-two dedicated circuits under Annexure H, row K-D; connected and diversified load declared in kilovolt-amperes and verified under load. The bulk supply, the substation, the main and laboratory distribution boards, the twenty-two dedicated circuits, their protection and the earthing are departmental scope and are not priced by any bidder	Circuit schedule and instrumented load measurement with the whole estate operating
IN-05.2	Mandatory	The departmental clean earth is measured at acceptance and recorded: resistance not exceeding 1 ohm and neutral-to-earth voltage not exceeding 2 V at full load. The earth electrode and its conductors are departmental scope, verified at site readiness under Annexure H, row K-D; the System Integrator bonds the delivered racks and equipment to it and records the bonded resistance	Instrumented measurement recorded on the installation record, together with the bonded resistance of the delivered racks and equipment
IN-05.3	Mandatory	Task illumination and glare control at every examination bench, display position and evidence-holding position, supplementing the departmental general lighting so that the measured level is not less than 500 lux at examination benches, 300 lux in the general laboratory and the training room and 200 lux at the evidence holding zone, with no reflected glare at any display position. The Department provides the general lighting of the premises, verified at site readiness under Annexure H	Instrumented measurement at a published grid of points
IN-05.4	Mandatory	Continuous instrumented monitoring, logging and alarm of temperature and relative humidity in the equipment room against a band of 18 °C to 27 °C and 40 to 60 per cent relative humidity, with an alarm raised to the administrator on any excursion. The air conditioning that holds the room within that band is provided by the Department, is verified at site readiness under Chapter 11 and Annexure H, and is not supplied under this item	Continuous log over a witnessed 72-hour period, with an induced excursion alarming
IN-05.5	Mandatory	Integration of the delivered equipment with the departmental fire-safety system: every laboratory area is covered by the addressable fire detection the Department provides, the equipment positions are covered by the departmental suppression provision, and the System Integrator effects the detection interlock by which power to the racks and to the equipment positions is dropped on a confirmed detection signal. The Department provides the detection heads, the suppression provision and the building panel, verified at site readiness under Annexure H, row K-H; the System Integrator supplies no detection equipment, no suppression provision and no agent, and no bidder may price one. Where the departmental suppression provision serves the equipment room, the System Integrator confirms in writing that it leaves no conductive or corrosive residue on media and records the agent and standard read from the Department's own design documents	Witnessed interlock test with the detection record and the power-drop observed; the agent, standard and design concentration transcribed from the departmental design documents onto the installation record
IN-05.6	Mandatory	Laboratory furniture: examination benches with cable management and anti-static working surfaces at every workstation position, the working surfaces being of a static-dissipative class equivalent to a surface resistance within the range specified at IEC 61340-5-1, or better, each bench rated for a distributed load of not less than 80 kg, and in any event not less than the loaded mass of the equipment the bench carries, computed from the delivered masses on the despatch schedule as at Annexure H, K-A, the uninterruptible power provision at IN-08 being carried on the bench or on a rated under-bench position stated on the furniture schedule; chairs; and lockable storage for tools, media and seal stock	Count and inspection against the furniture schedule; load check on a sample bench
IN-05.7	Mandatory	Training furniture as required at IN-04.9, supplied under this item and accepted with the training laboratory	Joint inspection at training-laboratory acceptance
IN-05.8	Mandatory	Every measured value recorded on the installation record and carried into the as-built set	Document check as a precondition of site acceptance

Ref	Class	Requirement	Verification
IN-05.9	Evaluated	Redundancy in environmental control; sub-metering by zone; illumination control by area	Documentary, scored under Chapter 16

Acceptance. Criterion WS1-d at Chapter 8, Table 8.18 applies.

10.5.7 IN-06: Evidence Storage Cabinet

Scope and deployment. One hundred and sixty-one cabinets: four at Headquarters, three at each of the seven Commissionerates and two at each of the sixty-eight Districts. The cabinet stores sealed exhibits under a single custodial responsibility, separates cases from one another and resists casual attack.

Table 10.29: IN-06 requirements and verification

Ref	Class	Requirement	Verification
IN-06.1	Mandatory	Welded steel construction; body sheet not less than 1.2 mm and door sheet not less than 1.6 mm, in cold-rolled steel of a class equivalent to sheet to IS 513 or an equivalent published grade, or better	Measured at delivery inspection; steel grade evidenced from the mill or manufacturer's certificate
IN-06.2	Mandatory	External dimensions not less than 1,980 mm high × 915 mm wide × 485 mm deep	Measured at delivery inspection
IN-06.3	Mandatory	Not fewer than four adjustable shelves, each rated for a uniformly distributed load of not less than 40 kg, and internal dividers giving not fewer than eight separable compartments for case separation	Physical inspection and a load check on a sample shelf
IN-06.4	Mandatory	Three-point locking engaging at head, foot and lock edge, with a high-security lock of a class equivalent to a seven-lever mechanical lock or a patented-key high-security cylinder lock, or better, and not more than two keys per cabinet issued against a recorded register	Witnessed operation with each locking point verified; lock class evidenced from the manufacturer's published datasheet; key register sighted
IN-06.5	Mandatory	Not fewer than two tamper-evident sealing points on the door edge, each accepting a numbered seal. This requirement is mandatory and is not qualified	Seal applied and the cabinet opened; the seal is destroyed and cannot be reapplied undetectably
IN-06.6	Mandatory	Anchored to floor or structural wall by not fewer than four fixings, resisting a horizontal pull of not less than 2 kN without displacement	Witnessed anchoring inspection and pull test on a sample
IN-06.7	Mandatory	Access register holder fixed to the cabinet, with the register in use at acceptance	Physical inspection with register sighting
IN-06.8	Mandatory	Powder-coated finish on every external and internal surface, continuous and free of bare metal, chipping and blistering, of a class equivalent to an epoxy-polyester powder coating at a dry film thickness of not less than 50 microns, or better	Visual inspection of every delivered cabinet at delivery inspection, recorded on the delivery record; dry film thickness measured on a sample cabinet
IN-06.9	Evaluated	Additional sealing points; internal compartment locking; humidity control provision for media storage; shelf load rating above IN-06.3	Physical inspection, scored under Chapter 16

Acceptance. Criteria WS1-e and WS2-e at Chapter 8, Table 8.18 apply, at Headquarters and at every field unit respectively.

10.5.8 IN-07: Uninterruptible Power Supply, unit level

Scope and deployment. Seventy-six provisions: one at Headquarters and one at each of the seventy-five field units. The Department provides the bulk supply and standby generation; this item protects the shared equipment of the unit, the evidence-holding area and the lighting on which custody work depends.

The boundary against IN-08. Each of the one hundred and sixty-one examination and processing machines carries its own dedicated provision at IN-08, protecting that machine, its displays and its attached acquisition hardware; IN-07 protects everything else at the unit. The two do not overlap and neither covers the other's load. A bid that sizes IN-07 to a load already carried by IN-08, or that omits any load from both, has not met this specification.

Table 10.30: The boundary between IN-07 and IN-08

Load	Protected by	Not protected by
Laboratory-grade workstation, its two displays and attached acquisition hardware (11, Headquarters)	IN-08, at 1.5 kVA	IN-07
Field-grade workstation, its two displays and attached acquisition hardware (82)	IN-08, at 1.0 kVA	IN-07
Acquisition and processing node, its display and attached acquisition hardware (68)	IN-08, at 0.6 kVA	IN-07
Headquarters compute and storage platform, backup and archive tier, zoning and switching provision, training laboratory, laboratory endpoints and the departmental Controlled Internet Zone endpoint at IN-04.4	IN-07 at Headquarters	IN-08

Load	Protected by	Not protected by
from which remote delivery and the livestream originate		
Field-unit local switching, the Controlled Internet Zone endpoint, on-scene kit charging and evidence-holding-area lighting	IN-07 at the field unit	IN-08
Bench forensic imager at a Commissionerate	IN-07 at the field unit	IN-08
Cooling, general lighting and small power outside the evidence-holding area	Neither. Provided by the Department, verified at site readiness	Not applicable

Runtime is specified at the measured connected load and demonstrated by a witnessed discharge test with the load connected, and is never derived from a rating.

The topology of every provision at IN-07 and IN-08. Every uninterruptible power provision in the programme, at the unit level and at the machine, is of the online double-conversion topology, being class VFI in the classification at IEC 62040-3. A line-interactive (VI) or offline (VFD) provision does not hold the output regulation, waveform and distortion floors at IN-07.4 and at IN-08.4 and IN-08.5 and is not accepted. Indicatively, a Headquarters provision is of a class equivalent to an APC Galaxy VS, an Eaton 93PS, a Vertiv Liebert or a Socomec Masterys three-phase or single-phase online provision, or better, and a field-unit or per-machine provision of a class equivalent to an APC Smart-UPS On-Line, an Eaton 9PX or a Vertiv Liebert GXT5 online provision, or better.

Table 10.31: IN-07 requirements and verification

Ref	Class	Requirement (Headquarters)	Requirement (field unit)	Verification
IN-07.1	Mandatory	Sized to the measured connected information-technology load at Headquarters excluding the load carried by IN-08 — the compute and storage platform, the backup tier, the zoning and switching provision, the training laboratory and the laboratory endpoints; capacity not less than 20 kVA	Sized to the measured residual connected load of the unit excluding the load carried by IN-08 — local switching at 50 W, the Controlled Internet Zone endpoint at 150 W, on-scene kit charging at 100 W, evidence-holding-area lighting and its access record at 150 W and, at a Commissionerate, the bench imager at 100 W — a planning residual of 450 W at a District and 550 W at a Commissionerate; capacity not less than 0.75 kVA at a District and not less than 1.0 kVA at a Commissionerate. Where the residual measured with all covered equipment operating exceeds the planning residual for that tier, the provision at that unit is sized to the measured load at the supplier's cost	Connected load measured with all covered equipment operating, the covered load list reconciled against Table 10.30
IN-07.2	Mandatory	Runtime not less than 30 minutes at the measured connected load	Runtime not less than 60 minutes at the measured connected load	Witnessed discharge test at the measured connected load, timed to the point of orderly shutdown
IN-07.3	Mandatory	No interruption to a running examination session, to log collection, to the evidence-holding-area lighting or to the access record on loss of mains	No interruption to a running bench imaging operation, where one is present, and none to the evidence-holding-area lighting or to the access record on loss of mains	Witnessed mains-interruption test; operation log intact and hash unchanged
IN-07.4	Mandatory	Online double-conversion topology, being class VFI in the classification at IEC 62040-3, of a class equivalent to an APC Galaxy VS, Eaton 93PS, Vertiv Liebert or Socomec Masterys online provision, or better; sine-wave output; input tolerance not less than 170 V to 270 V on each phase without transfer to battery; output voltage regulation within ±2 per cent; output total harmonic distortion not more than 3 per cent at linear full load	Online double-conversion topology, being class VFI in the classification at IEC 62040-3, of a class equivalent to an APC Smart-UPS On-Line, Eaton 9PX or Vertiv Liebert GXT5 online provision, or better; sine-wave output; input tolerance not less than 170 V to 270 V single phase without transfer to battery; the same output regulation and distortion limits	Instrumented measurement across the stated input range at full load; the classification declared on the manufacturer's published datasheet and verified by the absence of any transfer to battery across the stated input range
IN-07.5	Mandatory	Monitored, with automatic notification to the administrator and a signalled orderly shutdown at low battery	Audible and visual alarm on mains failure, on low battery and on fault, visible and audible from the examiner's position	Witnessed alarm and notification test
IN-07.6	Mandatory	Replaceable batteries with a stated design life, of a class equivalent to valve-regulated lead-acid batteries to IEC 60896 or lithium iron phosphate battery modules to IEC 62619, or better; capacity measured annually by a witnessed test; any battery below 80	Same	Annual witnessed capacity test recorded on the maintenance record; battery class and design life evidenced from the

Ref	Class	Requirement (Headquarters)	Requirement (field unit)	Verification
		per cent of rated capacity replaced at the supplier's cost within the term		manufacturer's published datasheet
IN-07.7	Mandatory	Compatible with the departmental standby generation at the site, transferring without interrupting the protected load	Same, where standby generation exists at the site	Witnessed transfer test where generation is present
IN-07.8	Mandatory	Operates within an ambient range of 0 °C to 40 °C at up to 90 per cent relative humidity, non-condensing, at rated load	Same	Manufacturer's published datasheet stating the operating range; sustained run at the unit with the ambient measured and recorded
IN-07.9	Evaluated	Runtime above the mandatory floor at the measured connected load; redundancy in the power path; remote monitoring integrated with the Headquarters management domain	Runtime above the mandatory floor at the measured connected load	Discharge test result, scored under Chapter 16

Acceptance. Criteria WS1-f and WS2-f at Chapter 8, Table 8.18 apply. The provision is accepted only on the witnessed discharge test performed at the measured connected load.

10.5.9 IN-08: Workstation Uninterruptible Power Supply

Scope and deployment. One hundred and sixty-one provisions, one at every examination and processing machine in the programme, distributed by class as at Table 10.32. Each protects one machine, its displays and its attached acquisition hardware, and nothing else; the boundary against the unit-level provision is at Table 10.30. The runtime figure exists to finish the work, not to permit a shutdown: thirty minutes is the time in which an acquisition already in progress can be completed, or brought to a recorded and hash-verified stop. It is therefore specified at the sustained load measured under the concurrent high-load acceptance test at Table 10.17, and not at idle.

Table 10.32: IN-08 sizing by machine class

Class protected	Units	Machine's sustained load under Table 10.17	Apparent power	Rating, not less than	Nominal stored energy, not less than
Laboratory-grade workstation (HW-03)	11	947 W	1.05 kVA	1.5 kVA	1.1 kWh
Field-grade workstation (HW-04)	82	740 W	0.82 kVA	1.0 kVA	0.9 kWh
Acquisition and processing node (HW-05)	68	399 W	0.44 kVA	0.6 kVA	0.5 kWh
Total	161				of the order of 120 kWh across the estate, being 11 × 1.1 + 82 × 0.9 + 68 × 0.5 = 119.9 kWh at the per-class floors above

The stored-energy figures are derived at an inverter efficiency of 0.90, a usable depth of discharge of 0.80, and a derating at the thirty-minute discharge rate of 0.60 of the twenty-hour rating; a supply sized on its nameplate rating alone will get that last factor wrong. Where the load measured at CHL-15 for a machine exceeds the figure stated for its class here, the remedy and its reporting threshold are those at Section 10.5.1.

Table 10.33: IN-08 requirements and verification

Ref	Class	Requirement	Verification
IN-08.1	Mandatory	One provision dedicated to each of the 161 machines, rated not less than the figure at Table 10.32 for that class, of the online double-conversion topology, being class VFI in the classification at IEC 62040-3, of a class equivalent to an APC Smart-UPS On-Line, Eaton 9PX or Vertiv Liebert GXT5 online provision, or better; a line-interactive (VI) or offline (VFD) provision is not accepted; installed at the machine and fed from that machine's dedicated circuit	Serial-number register reconciled machine by machine against Annexure A; circuit schedule; the classification declared on the manufacturer's published datasheet and verified by the measurement at IN-08.5
IN-08.2	Mandatory	Runtime not less than 30 minutes at the sustained load measured for that machine at CHL-15, together with its displays and attached acquisition hardware. Runtime at idle is not accepted as evidence of compliance	Witnessed discharge test with the protected machine running the concurrent high-load workload of Table 10.17, timed from the instant of mains

Ref	Class	Requirement	Verification
			removal
IN-08.3	Mandatory	Nominal stored energy not less than the figure at Table 10.32 for that class, with the battery configuration, the twenty-hour rating and the derating at the thirty-minute discharge rate declared	Battery rating plate and declaration verified against the discharge test result
IN-08.4	Mandatory	Sine-wave output at all times, on mains and on battery, with output total harmonic distortion not more than 3 per cent at linear full load	Instrumented waveform and distortion measurement at full load, on mains and on battery
IN-08.5	Mandatory	Automatic voltage regulation holding the output within ±2 per cent across an input range of not less than 170 V to 270 V single phase without transfer to battery, so that battery life is not consumed by ordinary supply variation	Instrumented measurement across the stated input range with the battery state monitored
IN-08.6	Mandatory	Protection against surge, sag, over-voltage and reverse polarity, at the protection rating stated for the delivered provision on the manufacturer's published datasheet	The manufacturer's published datasheet for the delivered provision, stating the protection rating; read with the witnessed mains-interruption test at IN-08.9
IN-08.7	Mandatory	Audible alarm and on-screen alarm at the protected machine, on mains failure, on low battery, on overload and on fault, the on-screen alarm stating the runtime remaining	Witnessed alarm test for each condition, with the on-screen indication observed
IN-08.8	Mandatory	Monitored connection to the protected machine by a data interface, with automatic graceful shutdown initiated at a configured remaining-runtime threshold, the threshold being set so that an acquisition in progress is closed cleanly and its record written before the battery is exhausted	Witnessed test: mains removed during a live acquisition; the acquisition completes or closes cleanly; the record is written; the machine shuts down before exhaustion
IN-08.9	Mandatory	An acquisition in progress at the instant of mains failure completes, or closes cleanly with the image marked partial and the acquisition log written and hash-verified. No truncated image is left unmarked in any circumstance	Witnessed mains-interruption test during a live acquisition on Department-supplied media; the log, the marking and the hash inspected
IN-08.10	Mandatory	Replaceable batteries of a class equivalent to valve-regulated lead-acid batteries to IEC 60896 or lithium iron phosphate battery modules to IEC 62619, or better, replaceable at the unit without return of the provision to the supplier, with the design life stated in years at the declared operating temperature, and the replacement part identified in the maintenance documentation	Physical inspection of the battery compartment; declaration inspected; a witnessed replacement on a sample unit; battery class evidenced from the manufacturer's published datasheet
IN-08.11	Mandatory	Battery capacity measured annually by a witnessed test at every one of the 161 provisions; any battery below 80 per cent of rated capacity replaced at the supplier's cost within the term, and the runtime at IN-08.2 re-verified after replacement	Annual witnessed capacity test recorded on the maintenance record for each provision
IN-08.12	Mandatory	Operates within an ambient range of 0 °C to 40 °C at up to 90 per cent relative humidity, non-condensing, at rated load, and delivers the runtime at IN-08.2 at an ambient of 35 °C	Discharge test performed at 35 °C ambient on a sample of not fewer than 10 per cent of each class
IN-08.13	Mandatory	Requires no network connection of any kind; the monitoring connection at IN-08.8 is a direct connection to the protected machine only, and carries no path to any network	Interface listing and capture showing no egress
IN-08.14	Evaluated	Runtime above the mandatory floor at the measured load; battery design life above the declared figure; hot-swappable batteries; per-outlet load reporting at the protected machine	Discharge test result and demonstration, scored under Chapter 16

The maintenance obligation this item creates. At the shorter of the battery design lives in ordinary use, at least one full replacement cycle across the one hundred and sixty-one provisions falls inside the thirty-six-month operations period. That replacement, the annual capacity testing at IN-08.11 and the re-verification of runtime after each replacement are obligations of the operations and maintenance head at SV-02, sized there and at Annexure I. They are not a variation and no claim arises from them.

Acceptance. Criteria WS1-f and WS2-f at Chapter 8, Table 8.18 apply, machine by machine. The provision at a machine is accepted only on the two witnessed tests that define it: the discharge test at IN-08.2, under the concurrent high-load workload, and the mains-interruption test at IN-08.9, during a live acquisition. Neither is waived, neither is satisfied by a rating, and a provision failing either is replaced and re-tested in full.

10.6 MP-01: Headquarters Specialist Cadre

10.6.1 Scope, deployment and the boundary that governs it

Scope and deployment. Twenty posts at Headquarters, engaged for the thirty-six months of the operations period, being programme months 16 to 52 on the schedule at Chapter 11. The nine posts required for Headquarters commissioning, the initial training programme and the referral function as units come live mobilise from programme month 6, on acceptance of the Headquarters wave, and serve the ten months to the

start of the operations period. The engagement is accordingly thirty-six months for eleven posts and forty-six months for nine, being 810 post-months in all. Twenty posts is unchanged, no post is withdrawn before the close of the operations period, and every month number in this section is a programme month counted from the effective date of the contract. The cadre is at full strength from programme month 16 to 52. There is no contracted post at any field unit.

The boundary. Contracted personnel provide technical support, tool operation, documentation, bilingual assistance and refresher support at Headquarters, not delivery of the training programme at SV-03, and supervised assistance only. Final forensic opinions, evidentiary conclusions, statutory certificates and report sign-off remain with authorised Government officers. No contracted person signs a certificate, appears as a witness, or is deployed to, stationed at or holds credentials to any system at any of the seventy-five field units. Bilingual capability, with Hindi mandatory, applies to every training-delivering and desk-facing post.

No post of this cadre may be counted towards, or deployed in discharge of, the training delivery obligation at SV-03. Trainers are provided separately by the System Integrator under SV-03, are additional to the twenty posts of this cadre, and are governed by the trainer requirements at Chapter 12.

Commercial treatment of the manpower head is at Chapter 14; the qualification matrix, with the replacement rule and the link to the severity levels at Annexure I, is at Annexure M.

10.6.2 The post structure

Table 10.34 states the post structure, being eleven examining posts and nine that do not examine, and reconciles to the role set and access boundaries at Chapter 4, Table 4.7.

Table 10.34: MP-01 post structure

Post	Posts	Examining	Principal responsibilities
Laboratory Head and technical review authority	1	No; reviews and signs	Directs the laboratory; accepts or declines each referral within the decision time at Chapter 5; allocates referred work; signs every referred-examination report issued to an originating unit; owns the tool-validation and quality regime; reviews the administrative log monthly
Discipline Specialist, examining	11	Yes	Performs referred examinations in the assigned discipline; operates the Evidence Processing Zone and, against a recorded authorisation only, the authorisation-gated zone; prepares the examination report; maintains tool and version records; supports validation and the training curriculum for the discipline
Infrastructure and Security Administrator	2	No	Administers the Headquarters platform, zoning, logging, time synchronisation, hardening, patching and backup, through the management domain and with no access to case content
Authorisation Register Officer	1	No	Holds custody of the authorisation register; makes every entry against the authorisation reference, authorising authority and date; produces the register for inspection
Evidence Custodian and Referral Register Officer	1	No	Receives, verifies, seals, stores and returns referred exhibits; maintains the referral register keyed to the originating unit's identifiers; records hash verification on receipt and return; maintains seal stock; covered on a single shift
Quality and Review Authority	1	No	Peer-reviews referred outputs; may not work in an examining session under review; maintains the validation dossiers and known-answer datasets; records every review with findings and disposal
Training Officer	1	No	Owns curriculum, assessment, attendance verification, cascade certification and the training records; operates in the Training Zone only; does not discharge the training delivery obligation at SV-03
Support Desk Officer	1	No	Operates the support desk for the seventy-five field units on the terms at Chapter 8, Table 8.12; holds access to the ticket record only; the twelve-hour window at HR-03 attaches to this post
Documentation and Returns Officer	1	No	Consolidates the monthly certified returns; maintains the controlled document register and the programme documentation set; holds no case-record access; sole relief for the support desk
Total	20	11	Nine posts do not examine; the apportionment of the eleven examining posts across the disciplines is at Table 10.35

Coverage. The twelve-hour window at HR-03 applies to the support desk and to no other function of this cadre; no post other than the Documentation and Returns Officer may be rostered to relieve it, and the bilingual requirement for a desk-facing post applies to that officer in relief. The evidence-custody and referral-register function is covered on a single shift.

The eleven examining posts are apportioned across the five examining disciplines in proportion to the shares of Headquarters examination hours at Table 10.35, rounded to whole posts.

Table 10.35: MP-01 apportionment of the eleven examining posts

Discipline	Referral criteria served	Share of Headquarters examination hours	Posts
Host and computer forensics, including credential and passphrase recovery	R-3, R-7, R-8	34.5 per cent	4
Mobile forensics and authorisation-gated access, including lawful cloud and account acquisition	R-1, R-2	31.8 per cent	3
Online, overlay-network and virtual-asset investigation	R-5	18.9 per cent	2
Telecom analytics	R-4	8.9 per cent	1
Media processing and authenticity	R-6, R-9	5.8 per cent	1
Total	R-1 to R-9 at Chapter 6, Table 6.5, being every referral criterion	99.9 per cent	11

Each share is rounded to one decimal place, so the column reads 99.9; the exact values sum to 100. Two disciplines carry a single post: a vacancy in either suspends a capability rather than reducing it, and is reported as such.

Each examining post is worked at 1,500 productive hours a year, being 250 days at 7.5 hours at 80 per cent, the deduction covering review, tool validation, training support at Headquarters and court attendance. Eleven posts carry 16,500 examining hours a year, which at the mean of 27.5 hours per referred exhibit is the 600 referred exhibits a year the cadre absorbs, a figure fixed at Chapter 3, forming the basis of the referral gate at Chapter 6, and carrying a numeric re-sizing trigger at Chapter 3, Table 3.6. Each examining post holds one laboratory-grade workstation at HW-03.

10.6.3 Qualification and experience floors

Table 10.36 states the floor for each post. A bidder proposing a person below any floor has not proposed a compliant resource, and no floor is waived at deployment or replacement. Qualifications are stated as fields of study and years of relevant experience, never as a named certification.

Table 10.36: MP-01 qualification and experience floors

Post	Minimum qualification	Minimum relevant experience	Additional obligation
Laboratory Head and technical review authority	Master's degree in computer science, information technology, electronics, forensic science or a related discipline, or a bachelor's degree in engineering or technology in those fields	12 years in digital forensics, of which not less than 5 in a supervisory, review or laboratory-management role	Demonstrated experience of preparing examination reports produced in legal proceedings
Discipline Specialist, examining	Bachelor's degree in engineering or technology in computer science, information technology or electronics, or a master's degree in computer science, forensic science or a related discipline	5 years in digital forensics, or in the alternative field admitted for the post at Annexure M, Table M.3, of which not less than 3 in the assigned discipline. Where this table and Annexure M, Table M.3 differ as to the admissible field, Annexure M governs	Tool competency demonstrated on Department-supplied material before deployment
Infrastructure and Security Administrator	Bachelor's degree in engineering or technology, or a master's degree in computer applications	5 years in secure infrastructure operations, including hardening, logging and backup administration	Competency in the delivered platform demonstrated before deployment
Authorisation Register Officer	Bachelor's degree	3 years in records, registry or evidence administration	Bilingual; trained on the authorisation procedure at Chapter 5 before deployment
Evidence Custodian and Referral Register Officer	Bachelor's degree	3 years in evidence handling, stores or registry work	Bilingual; trained on sealing, custody and despatch before deployment
Quality and Review Authority	Bachelor's degree in engineering or technology, or a master's degree in a related discipline	8 years in digital forensics, of which not less than 3 in quality, validation or peer review	May not review work performed in a session in which the post-holder participated
Training Officer	Bachelor's degree, with a post-graduate or formal training qualification	7 years, of which not less than 3 in technical training delivery or curriculum design	Bilingual, with Hindi mandatory; assessed on a delivered session before deployment

Post	Minimum qualification	Minimum relevant experience	Additional obligation
Support Desk Officer	Bachelor's degree	3 years in technical support or service-desk operation	Bilingual, with Hindi mandatory; assessed on live request handling in both languages across every published channel, being the telephone, the electronic-mail address and the web form
Documentation and Returns Officer	Bachelor's degree	3 years in technical documentation, reporting or programme support	Bilingual, with Hindi mandatory, the post being sole relief for the support desk; competent in the published return format

10.6.4 Deployment, replacement, vacancy and acceptance

Every post is filled and background-verified before deployment, and no post-holder commences duty pending completion of verification. A vacancy is filled within 15 working days by a resource meeting the same floor or better, assessed by the Department before deployment; the replacement obligation and associated severity levels are at Chapter 13 and Annexure I. Knowledge transfer to departmental officers is a continuing obligation of every post and not an exit activity.

Vacancy and invoicing. A vacant post is not invoiced. The manpower invoice for a month carries only the posts actually filled and evidenced in that month, and the deduction for a vacant post is applied before any service credit falling due under Chapter 13 is computed. The deduction does not extinguish, reduce or substitute for the credit.

Acceptance. Criteria WS9-a to WS9-e at Chapter 8, Table 8.18 apply in full. The item is accepted against two mobilisation tranches: nine posts at programme month 6 and the balance of eleven at programme month 16. A tranche is accepted when every post within it is filled against the floors at Table 10.36 and Annexure M, with background verification complete and evidenced for every post. The item is accepted in full when all twenty posts are filled, eleven are identified as examining and apportioned as at Table 10.35, bilingual capability with Hindi is evidenced for every training-delivering and desk-facing post, and an access-control listing at a sample of field units confirms that no contracted account holds credentials to any evidence-processing system at any field unit.

10.7 Service heads

10.7.1 How the service heads are specified

Service levels, severity definitions, the service-credit mechanism and its caps are at Chapter 13 and Annexure I. Three constraints apply across all five heads. No service obligation may depend on a live field figure: every field measure is taken from the monthly certified return at Annexure E. No service obligation may create a data connection between units, and none may be discharged by one. And no service obligation extends to touching evidence: the support function may not connect to any machine holding case evidence, may not view, receive, transmit or store any evidential artefact, image, working copy or derived intermediate, and may not make, verify or influence a forensic finding.

10.7.2 SV-01: Implementation, Rollout and Site Commissioning

Wave-based delivery, installation, configuration, hardening, testing and site acceptance across all seventy-six units fall to this head, in the wave composition at Chapter 11. The supplier delivers a programme management plan and a unit-level integrated schedule; a site survey per unit; installation, configuration and hardening records per unit; a complete as-built set per unit before that unit's site acceptance certificate is signed; configuration baselines and exports; the labelling schedule; and the acceptance test records, including the full instrument record of the concurrent high-load acceptance test at Table 10.17 for every delivered machine and the discharge and mains-interruption records at Table 10.31 for each of the seventy-six unit-level provisions and at Table 10.33 for each of the one hundred and sixty-one per-machine provisions. The per-site installation day-count and parallelism assumptions are at Chapter 11. A unit certified not ready at joint verification, including against the numeric electrical figures at Section 10.5.1, is deferred without damages and re-sequenced, and the supplier acquires no claim from that deferral.

10.7.3 SV-02: Operations, Maintenance and Support, 36 months

The head covers ticketing, preventive maintenance, patch and vulnerability management, defect resolution under Section 10.2.3, spares logistics, battery management, remote assistance to seventy-five unmanned field units, service-level measurement and monthly reporting. Five constraints shape it.

First, remote assistance reaches the Controlled Internet Zone endpoint and nothing else; a machine in the Evidence Processing Zone is not remotely reachable, is not to be made remotely reachable, and is supported by guided assistance to the unit's own officers or by attendance. Guided assistance is delivered over the published intake channels at Chapter 8, Table 8.12 and is recorded in the ticket record with the note naming the officer assisted. Where the System Integrator elects to supply a remote-view or remote-assistance mechanism, it operates at the Controlled Internet Zone endpoint alone, is initiated by the unit's own officer, is logged, and its platform and licences fall within this head for the contract term at no additional charge; no such mechanism is supplied, configured, installed or priced for any machine in an Evidence Processing Zone at any unit.

Second, patching and vulnerability remediation at an offline machine is performed by controlled removable media under the crossing procedure, every import appearing in that unit's crossing register with hashes on write and on read and both sanitisation records; a patch record with no matching crossing entry is not evidence that the patch was applied.

Third, battery management across two hundred and thirty-seven power provisions is an explicit obligation of this head: seventy-six unit-level provisions at IN-07 and one hundred and sixty-one per-machine provisions at IN-08. It comprises annual witnessed capacity measurement at every provision, replacement at the supplier's cost of any battery below 80 per cent of rated capacity, re-verification of the runtime obligation after every replacement, and at least one full replacement cycle across the IN-08 population inside the operations period at the shorter battery design life. It is sized at Annexure I and is not a variation.

Fourth, preventive maintenance is performed not fewer than twice in each contract year at every field unit and not fewer than four times in each contract year at Headquarters, to a schedule published at the start of each year, each visit evidenced by a signed unit record. The annual disconnected-operation check under LC-7 and the annual battery capacity test are performed within those visits and recorded on the same record.

Fifth, the ticket record is the instrument on which every support service level at Chapter 13 and Annexure I is measured, and the System Integrator supplies and operates the system that holds it for the full contract term at no additional charge. That system shall issue a unique ticket reference on receipt of a request through any of the published intake channels, every channel entering one queue; shall hold against that reference the unit, the item identifier, the channel, the times of receipt, logging, acknowledgement, response, restoration and closure, the severity assigned and every revision of it with the reason, the guided-assistance note naming the officer assisted, the despatch and delivery record where a spare was sent, the unit's countersignature on restoration, and the reason where a request was declined as outside the boundary at Chapter 8, Table 8.12; shall record the reopening, at the same severity and against the original clock, of a ticket closed without the function restored; shall produce the monthly reporting pack and the service-level computation from its own records without manual re-entry; shall retain every record for the whole of the term and hand the whole record set to the Department at exit; and shall export that record set in an open, documented format, including at minimum but not limited to comma-separated values, JSON and XML, in the versions prevalent at the date of bid and any later versions released during the contract term, so that the Independent Auditor at SV-05 can verify the computation without the supplier's software. The system is of a class equivalent to Atlassian Jira Service Management, ManageEngine ServiceDesk Plus or Freshservice, or better.

10.7.4 SV-03: Training Delivery, 36 months, two modes, bilingual

This head delivers the programme at Chapter 12 in both modes: in person at the thirty-position training laboratory and remotely to field units. The laboratory carries thirty learner endpoints and one instructor endpoint, each fully equipped in hardware and software and carrying the whole training instance set, not fewer than thirty concurrent entitlements of every hands-on licence class, and thirty training device sets, all provided under IN-04, so that the whole batch takes any hands-on module at the same time, no learner waits for a seat and no cohort is divided. The obligation is 82 officers in person (one per District and two per Commissionerate) in three batches of 28, 27 and 27, each of 16 working days of core course plus 3 days of train-the-trainer, being

19 delivery days per batch; the Headquarters cadre course of 15 working days for the twenty posts; and 375 officers remotely (five per field unit) on the ten-module secondary track delivered in sessions of not more than fifty learners, giving a total initial trained population of 457.

Trainers are provided by the System Integrator under this head, are additional to the twenty posts of the Headquarters specialist cadre at MP-01, and no post of that cadre may be counted towards or deployed in discharge of this delivery obligation. Trainer certification, competence, notification and replacement are governed by Chapter 12 and Annexure J.

Delivery is bilingual in Hindi and English, translation inside the contract and not a variation. Attendance is verified by a method published at Annexure J and not by self-declaration. Assessment is written and practical for the in-person track, and remote written assessment plus a local practical countersigned by the Unit In-charge for the remote track. The cascade obligation (hands-on competence produced locally by the in-person attendee, on the unit's own equipment, against the published practical assessment) is monitored, with a numeric trigger at Chapter 11, Table 11.7, being fewer than five certified secondary examiners at any field unit ninety days after its commissioning, and a reported line in the monthly certified return. The sustaining obligation is three scheduled in-person intake weeks in each contract year, carrying the annual refresher and re-certification of the primary examiners in cohorts of not more than thirty, with officers newly posted to a duty. One re-run per failed batch is at the supplier's cost; further re-runs are chargeable at the schedule the successful bidder submits before signature.

Livestream. Any session delivered under this head may in addition be livestreamed to officers at the field units, vision, sound and the instructor's screen together, received at each unit over that unit's own Controlled Internet Zone endpoint, on the capability at IN-04.14; the platform and its licences are supplied within IN-04 for the full contract term at no additional charge, sized so that every one of the seventy-five field units may receive the same session at the same time. The livestream is an additional delivery mechanism and not a track: it carries no curriculum of its own, no assessment, no attendance obligation and no certificate; it discharges no obligation of the in-person or of the structured remote track; and it alters no volume, duration, cohort or pass criterion published at Chapter 12. It is proved at acceptance test AT-53.

10.7.5 SV-04: Spares and Consumables, 36 months

This head carries a spares holding for seventy-six standalone units and the consumable set on which custody and acquisition depend. Spares are held within India at not less than 5 per cent of the deployed population of each hardware class, and not fewer than one unit of every class, replenished on consumption so that the holding is restored within the period at Annexure I. Despatch is to a site with no on-site engineer, against the severity targets at Annexure I, and is discharged on delivery at the unit and not on handing over to a carrier. The consumable set comprises, including at minimum but not limited to, numbered tamper-evident seals carrying a unique printed number and an irreversible tamper indication, evidence bags and radio-frequency shielding bags of the sizes at HW-07, gloves, labels, blank target media on solid-state or rotating storage of a class equivalent to a professional external NVMe or an enterprise portable drive, or better, sanitised and verified before issue, archival media of the class at HW-02.7, being LTO Ultrium generation 9 or generation 10 media or better, or an archival optical write-once medium of an equivalent or longer stated shelf life, and replacement batteries for the power provisions at IN-07 and IN-08 of the class and rating fitted to the provision they replace, or better. Seal provision is sized to the State-wide consumption published at Chapter 3, being of the order of 108,000 a year, and archival media provision to the archival write volumes published there for each tier. Initial and annual replenishment quantities are derived by the bidder from the consumption figures at Chapter 3, Table 3.2, QT-46 and Tables 3.3 and 3.4, apportioned across the seventy-six units in proportion to the exhibit throughput published for each tier, and stated for every consumable class in the technical bid. The stated quantity is a term of the contract, is verified at acceptance test AT-46, and is the quantity against which the two-month floor at SL-14 is measured. A defective, malfunctioning or broken component is replaced within the time allowed by the service levels at Chapter 13, and the holding is sized so that those times can be met without a fresh procurement.

At exit, exit deliverable E-9 states the residual holding under this head item by item by class, serial number and condition, and records an offer of that holding to the Department at the item-wise schedule rates submitted

before signature. Every unit is left with not less than two months of published consumption of every consumable class.

10.7.6 SV-05: Independent Audit and Programme Management Support, 36 months

The head is appointed, administered and paid by the Department, outside the System Integrator's contract, and forms no part of the contract value. A bidder does not price this head. The System Integrator may not plan against it, schedule against it, invoice against it or assume any part of it, and a bid that prices work against it is to that extent non-responsive.

The auditor holds no direction authority; it finds, records and reports, and the Department decides. Independence is a continuing condition: the auditor declares at appointment, and maintains through the term, that it holds no common ownership, control or commercial interest with any bidder, any principal of a bidder or any subcontractor; a conflict arising during the term is declared within seven working days and resolved by replacement of the conflicted personnel or by re-appointment. Scope covers acceptance evidence, service-level measurement and the service-credit computation, the open-defect register and the resolution obligations at Table 10.7, zone-separation and crossing controls, register and log integrity at a sample of units, the annual physical inspection programme under which every unit is inspected at least once in each year of the operations period, and programme management support to the Programme Management Unit. The System Integrator's obligation under this head is to give the auditor access to every unit, record and configuration export, and to provide escort and assistance at every audit visit and quarterly reporting cycle, at no charge and as part of the operations and maintenance head; that obligation is a cost of this contract and is not a variation.

Table 10.37: Service heads: principal obligations, measure and acceptance

Head	Principal obligation	Measure	Acceptance criterion
SV-01	Wave-based implementation, rollout and site commissioning at 76 units, as at Section 10.7.2	Units accepted per wave against the published gates	Every unit closed on a site acceptance certificate and every wave on a wave acceptance certificate, the as-built set complete before each signature and the Table 10.17 and Table 10.33 records retained for every machine and power provision (criteria WS10-a to WS11-f)
SV-02	Operations, maintenance and support for 36 months, as at Section 10.7.3, including battery management across 237 power provisions and remote assistance to 75 unmanned units	Visits performed, tickets closed against target, defects resolved within Table 10.7, crossing entries matched to patch records, battery capacity tests performed	Signed visit record per unit against the published schedule; every patch at an offline machine matched to a crossing-register entry; open-defect register furnished monthly and reconciled; annual capacity test recorded at every power provision (criteria WS13-b to WS13-d)
SV-03	Bilingual training delivery in two modes for 36 months, as at Section 10.7.4, trainers provided by the System Integrator and additional to the MP-01 cadre	Officers certified against the published pass percentage; cascade completion reported per unit; intake weeks delivered; sessions livestreamed to the field units where the Department so directs	82 in-person and 375 remote officers certified; initial programme complete within eight months of laboratory commissioning; no unit commissioned whose examiner completed the core course later than 30 days before; the livestream at IN-04.14 available for any session delivered under this head, proved at acceptance test AT-53 (criteria WS12-a to WS12-f)
SV-04	Spares holding within India and the consumable set for 76 units, as at Section 10.7.5, the residual holding stated and offered at exit under E-9	Stock held against the quantities stated in the technical bid under Section 10.7.5; despatch time to a site with no on-site engineer	Stock verification at final commissioning and annually against those stated quantities, with nil shortfall; a witnessed despatch test (criterion WS13-a)
SV-05	Independent audit and programme management support, outside the System Integrator's contract and not priced by the bidder	Quarterly audit reports; annual inspection coverage of every unit	Appointment on the published terms with the independence declaration lodged; quarterly reports delivered; every unit inspected at least once in each year of the operations period

10.8 RS-01: Technology-Refresh and Extended-Warranty Reserve

The reserve carries no technical specification, no delivery obligation and no scope of work. It is a ring-fenced provision earmarked for extending hardware warranty coverage within the contract term and for no other purpose. Notwithstanding the item's title, no technology refresh, replacement, upgrade or additional capability may be drawn against it; any such requirement is procured under the quantity-variation mechanism at Chapter 9, rule BM-4, or by fresh procurement. The System Integrator may not plan against it, schedule against it, invoice against it or assume any part of it, and a bid that prices work against it is to that extent non-responsive. A drawdown is approved in writing by the Apex Procurement Committee on the recommendation of the

Programme Management Unit, contracted by a written variation order stating the items covered and the period of extended cover, and invoiced only against that order and at the rates in the item-wise schedule submitted before signature. Any balance undrawn at the end of the operations period lapses and creates no entitlement in the System Integrator. Its commercial treatment is at Chapter 14.

Chapter 11: Implementation Plan and Rollout Governance

11.1 Purpose, basis and the shape of the delivery

The estate is seventy-six units: one Headquarters, seven Commissionerates and sixty-eight Districts, of which seventy-five are field units. No unit is connected to any other, so there is no network cutover and no central platform to bring into service: each unit is delivered, tested and accepted on its own. No contracted person is posted at any field unit, so a commissioned unit operates on the competence of its own officers from the day it is accepted.

Delivery proceeds in five waves, each closing on a wave acceptance certificate which releases that wave's payment tranche under Chapter 8. Headquarters is built first, its training laboratory accepted ahead of the balance of that build; then the Commissionerates; then the Districts in three lots.

11.2 Rollout governance and the delivery line

The bodies governing the programme are constituted at Chapter 5. Table 11.1 states which of them acts at each point of the rollout; this chapter creates no body and renames none.

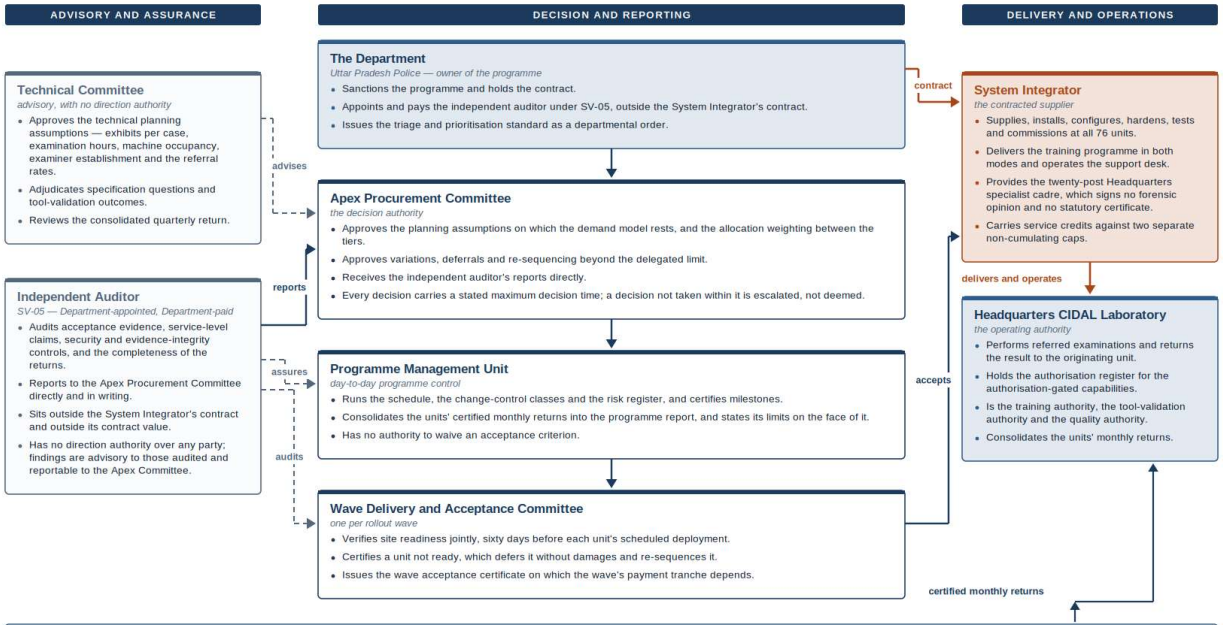
Table 11.1: Governance bodies and their part in the rollout

Body	Part in the rollout
The Department	Sanction, establishment and postings; release of the officers nominated for training; decisions escalated to it
Apex Procurement Committee	Change in the second class, on a Technical Committee recommendation, and change in the highest class; re-sizing arising from a published trigger; escalation where a published gate is at risk
Technical Committee	Recommendation on technical disputes and on change in the second class. Advisory; it directs nobody
Programme Management Unit	Day-to-day direction of the System Integrator; sequencing within the published gates; site-readiness certification; non-conformance notices; the delivery risk register. No authority to waive any acceptance criterion
Wave Delivery and Acceptance Committee	The delivery line: site acceptance unit by unit; classification of non-conformances as minor or major; issue of the wave acceptance certificate
Independent Auditor	Independent verification of acceptance evidence. Assurance only, appointed and paid by the Department outside the System Integrator's contract, with no direction authority over any party
Headquarters CIDAL Laboratory	Receipt of the training records and cascade certificates; tool validation; readiness to operate from Headquarters commissioning

Implementation reporting is a fortnightly progress return to the Programme Management Unit, a monthly consolidated report to the Apex Procurement Committee, and the wave-wise acceptance record. In operation it is the monthly certified administrative return at Annexure E, and no gate or acceptance criterion here depends on a live field figure.

Figure 6 · Programme governance structure

Three line types, kept apart on purpose. A solid line is a reporting and decision line and carries authority. A dashed line is an advisory or assurance line and carries none. The accent line is the contracted delivery line. The independent auditor is appointed and paid by the Department and sits outside the System Integrator's contract.



Sources: Chapter 5 (governance bodies, composition, quorum, decision rights and maximum decision times; the governance-artefact and retention table); Chapter 11 (rollout governance, site-readiness gating and the three change-control classes); Chapter 13 (independent audit, the service-credit mechanism and its two non-cumulating caps); Chapter 3 (the named approving authority against each planning assumption); Annexure N, Governance Responsibility Matrix; Annexure F (the monthly return and its stated limits).

Figure 3: Programme governance structure. The Apex Procurement Committee, the Technical Committee, the Programme Management Unit, the Wave Delivery and Acceptance Committee and the Independent Auditor, with the decision rights and maximum decision times at Chapter 5, Table 5.4.

11.3 Work breakdown, phases and milestones

No phase at Table 11.2 is entered before its entry criterion is satisfied and none is certified complete on anything but its stated exit criterion.

Table 11.2: Work breakdown, phases, entry and exit criteria

#	Phase	Months	Sites	Entry criterion	Exit criterion
P1	Contract award and mobilisation	0-1	Not applicable	Contract signed and performance security lodged	Programme plan, quality plan and mobilisation report accepted; project team deployed
P2	Detailed design and site survey	1-2	76	Mobilisation accepted	Design approved; survey report and unit-wise deployment plan issued at Annexure A; readiness schedule at Annexure H
P3	Manufacture, supply and staging build	2-4	Not applicable	Design frozen	Baseline configuration built and imaged for each tier package
P4	Pre-dispatch inspection and factory acceptance	3-4	Not applicable	Goods available for inspection	Pre-dispatch inspection certificates issued under Chapter 18
P5	Training laboratory build and acceptance	3-4	1	Headquarters accommodation certified ready	Training laboratory site acceptance certificate issued
P6	Headquarters build and commissioning (W0)	3-6	1	Site readiness certified at Headquarters	Headquarters wave acceptance certificate issued
P7	Initial training programme	5-12	76	Training laboratory accepted; officers nominated and released; row K-E preliminarily verified for every unit of the cohort under Annexure H, Section H.5	All batches and remote cohorts delivered, assessed and certified; the cascade follows each unit's own commissioning under Chapter 12 and is not an exit criterion here
P8	Rolling joint site-readiness verification	1-13	76	For Headquarters, its survey completed; for a field unit, the unit-wise deployment plan issued	Signed readiness certificate, or a not-ready certification with a re-sequencing decision. At Headquarters, rows K-E and K-J are verified in the terms Annexure H states for that tier
P9	Commissionerate rollout (W1)	7-10	7	Readiness certified; examiners trained	Wave acceptance certificate for the seven Commissionerates
P10	District rollout, lot A (W2)	9-12	23	Readiness certified; examiners trained	Wave acceptance certificate for lot A
P11	District rollout, lot B (W3)	11-14	23	Readiness certified; examiners trained	Wave acceptance certificate for lot B
P12	District rollout, lot C (W4)	13-15	22	Readiness certified; examiners trained	Wave acceptance certificate for lot C
P13	Final acceptance and commissioning	16	76	All five wave acceptance certificates issued	Final commissioning certificate across all seventy-six units
P14	Operations, maintenance and support	16-52	76	Final commissioning certificate issued	Expiry of the thirty-six-month operations period at month 52

11.4 The published schedule of month gates

The month gates at Table 11.3 are contractual and are the dates against which delivery is measured. The installation windows at Table 11.4 sit inside those gates and are a planning assumption; they create no contractual obligation and no scope, and the Programme Management Unit is the approving authority for them. Units may be sequenced within a gate in response to readiness without a change request. A gate moves only under class CC-3.

Table 11.3: Published month gates from the contract effective date

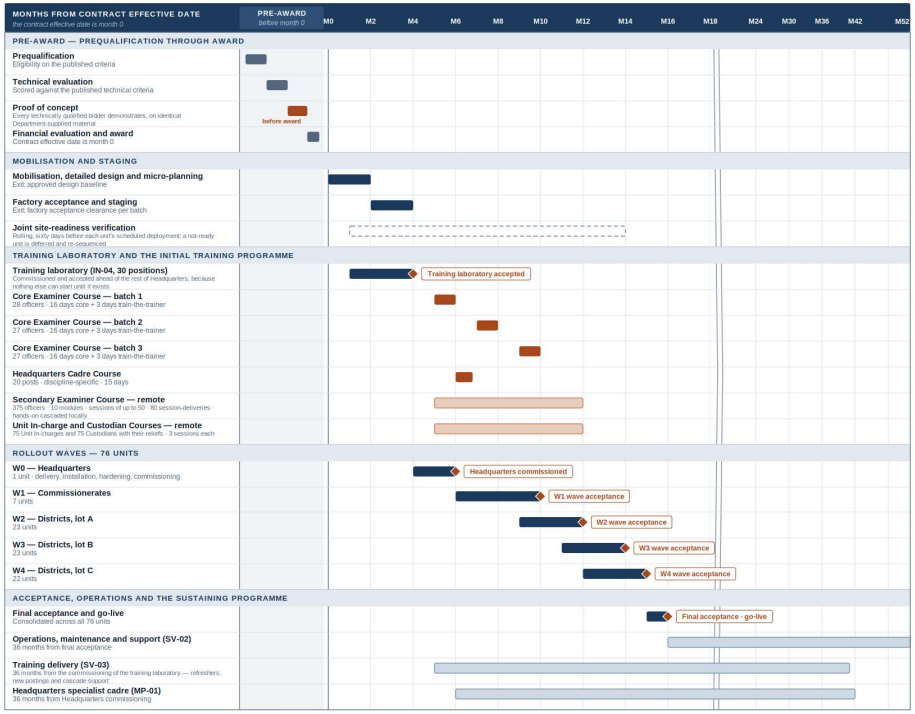
Gate	Milestone	Month
G1	Mobilisation and detailed design complete	2
G2	Pre-dispatch inspection and staging complete	4
G3	Training laboratory commissioned and accepted	4

Gate	Milestone	Month
G4	Headquarters commissioned, wave W0 accepted	6
G5	Commissionerates commissioned, wave W1 accepted	10
G6	District lot A commissioned, wave W2 accepted	12
G7	Initial training programme complete	12
G8	District lot B commissioned, wave W3 accepted	14
G9	District lot C commissioned, wave W4 accepted	15
G10	Final acceptance and commissioning, all 76 units	16
G11	Operations period expires	52

Gate G7 is met on the delivery, assessment and certification of every in-person batch and every remote cohort, and on nothing else. Cascade completion is not a condition of G7 and is measured separately, at ninety days from each unit's own commissioning, under Table 11.7 and Chapter 12, Section 12.7.

Figure 7 · Implementation and training timeline

Months from the contract effective date. The proof of concept is a pre-award stage and is shown to the left of month zero. The training laboratory is accepted at month 4 because nothing else can start until it exists, and the initial training programme runs from month 5 to month 12. Each recurring head runs thirty-six months from its own start trigger, so the programme horizon extends to month 52.



Published gates. Mobilisation and design to month 2; factory acceptance and staging to month 4; the training laboratory commissioned and accepted by month 4; Headquarters commissioned by month 6; Commissionerates by month 10; Districts in waves to month 15; final acceptance by month 16; operations for 36 months from final acceptance. Wave composition is fixed at W0 1 unit, W1 7, W2 23, W3 23 and W4 22. Start dates for W2, W3 and W4 within those gates are a stated planning assumption and not a contractual date; liquidated damages accrue against unit-wise dates and not against a single global date.

No unit is commissioned unless its in-person-trained examiner completed the Core Examiner Course not later than thirty days before that unit's scheduled commissioning. A unit whose examiner has not is deferred and re-sequenced, on the same terms as a unit certified not ready.

82 officers trained in person	**375** officers trained remotely	**72** delivery days for the in-person programme	**36.9%** of the laboratory's seat capacity
one per District and two per Commissionerate — the units' primary examiners and their local trainers	five per field unit, in sessions of up to fifty, with hands-on cascaded locally under the train-the-trainer obligation	three batches of 28, 27 and 27, each 16 working days of core course plus 3 of train-the-trainer, and the 15-day Headquarters cadre course, against about 168 working days in the window	1,858 seat-days of the 5,040 the 30-position laboratory offers over the window; the balance carries the sustaining programme

LEGEND

- Delivery, installation and commissioning activity
- Remote training delivered to the field units
- Rolling activity repeated at every unit
- Pre-award stage — before the contract effective date
- In-person training at the Headquarters training laboratory
- Continuing service over its own thirty-six-month term
- Acceptance, commissioning or go-live milestone
- Axis break — the tail to the right is drawn on a compressed scale

Sources: Chapter 11 (the work-breakdown and milestone table, the wave composition W0 to W4 with entry and exit criteria, the published month gates, site-readiness gating and the three change-control classes); Chapter 12, Table 12.2 (the batch schedule and its arithmetic against a 30-position laboratory) and Table 12.3 (the remote delivery specification and the cascade obligation); Chapter 17 (the pre-award proof of concept and its position in the bid process); Chapter 18 (inspection, testing, acceptance and commissioning); Annexure A, Unit Schedule and Deployment Plan (unit-wise dates and wave assignment); Annexure M, Training Curriculum, Schedule and Assessment Plan.

Figure 4: Implementation and training timeline. The five waves W0 to W4 against the published month gates at Table 11.3, with the in-person batches and remote cohorts of Chapter 12 aligned to each wave.

11.5 Wave composition and wave acceptance

The five waves at Table 11.4 exhaust the estate. Each unit belongs to one wave only, and its assignment is published at Annexure A before the first delivery is made.

Table 11.4: Wave composition, windows and acceptance

Wave	Composition	Units	Installation window	Wave acceptance by
W0	Headquarters, the training laboratory being a separately certified element accepted by month 4	1	Months 3-6	Month 6
W1	Commissionerates	7	Months 7-10	Month 10
W2	Districts, lot A	23	Months 9-12	Month 12
W3	Districts, lot B	23	Months 11-14	Month 14
W4	Districts, lot C	22	Months 13-15	Month 15
All waves	Total	76	Not applicable	Final commissioning month 16

The wave acceptance tranche is the percentage stated against milestone M4 at Chapter 8, computed on the contract value attributable to that wave's units and released on that wave's acceptance certificate. Delivery and site-acceptance tranches are released per unit under M2 and M3, so a unit deferred for readiness neither defers nor reduces payment for units already accepted.

11.6 The District rollout as the dominant logistics problem

Sixty-eight of the seventy-six units are Districts, and no contracted person remains after commissioning, so installation, configuration, testing and handover must be completed within one visit by a team that then leaves. Delivery is planned on six working days per District site, as at Table 11.5, and seven at a Commissionerate, the additional day arising from its second analysis workstation and the dedicated power provision that protects it, its bench duplicator and its third evidence cabinet.

Table 11.5: Per-site installation plan at a District

Day	Activity
1	Delivery inspection at the unit and unpacking against the packing list
2-3	Installation; cable termination; physical separation of the Evidence Processing Zone from the Controlled Internet Zone; configuration from the baseline image; hardening; write-blocking verification; the dedicated power provision installed at each machine and fed from that machine's own circuit
4	Site acceptance testing against the published plan on Department-supplied material, including the concurrent high-load acceptance test on the analysis workstation and on the acquisition and processing node
5	Power testing: the discharge test at each machine's measured sustained load; the mains-interruption test during a live acquisition; and the discharge test of the unit-level provision at its measured connected load
6	Non-conformance closure; configuration of the unit's Case and Evidence Management System; documentation; handover to the Unit In-charge

Days 4 and 5 are testing days and are not compressible into the installation days. The concurrent high-load acceptance test, the discharge test and the mains-interruption test are specified at Chapter 10 and performed under Chapter 18 at the unit, at the load measured under that same test and expressly not at idle; none is waived.

Not fewer than four independent District deployment teams operate throughout the District window. The planned rate of about fourteen District sites a month, against the ten a month the published gates demand, is a planning assumption; it creates no contractual obligation and no scope, and the Programme Management Unit is the approving authority for it. What is contractual is the unit-wise date and the wave gate.

11.7 Site readiness as a precondition of deployment

Nothing is despatched to a unit not certified ready. Readiness is verified jointly by the System Integrator and the Programme Management Unit sixty days before that unit's scheduled deployment, against the checklist at Annexure H, which carries one row per unit for accommodation, layout permitting the three-zone separation, power, environment, safety, security, evidence storage, the posting of the officers who will hold the three duties, the departmental laboratory endpoints at Headquarters, and the internet service in the Controlled Internet Zone. The certificate is signed by both parties and is the entry condition for delivery.

The power row is numeric, verified against the connected-load figures published for each tier at Chapter 10, Section 10.5.1, measured at the sustained working load of the machines and not at idle. A District requires a dedicated electrical supply of not less than 3 kilovolt-amperes, a Commissionerate 4 kilovolt-amperes and Headquarters 45 kilovolt-amperes. Not fewer than two dedicated circuits are required at a District and three at a Commissionerate: at a District, one to the analysis workstation and one to the acquisition and processing node; at a Commissionerate, one to each of its two analysis workstations and one to the bench duplicator and the unit's ancillaries. At Headquarters not fewer than twenty-two dedicated circuits are required: one to each of the eleven laboratory-grade workstations, one for each of the five Headquarters zones, one for the management domain and five for the learner positions of the training laboratory, as fixed at Chapter 10, Section 10.5.1 and verified at Annexure H, Table H.4. Earth resistance at a field unit must not exceed 5 ohms and at Headquarters must not exceed 1 ohm, instrumented, measured and recorded. A unit that satisfies every other row but falls short of these figures is certified not ready on the power row.

The Department provides the basic infrastructure at every site: the room and its fabric including civil works, air conditioning, lighting, the electricity supply including the bulk supply, the distribution board, the dedicated circuits, earthing and protection and standby generation, physical security of the premises, the departmental laboratory endpoints at Headquarters and the internet service in the Controlled Internet Zone. The System Integrator provides, installs, configures and maintains everything technological placed within that room under the Bill of Materials at Chapter 9, including the unit-level uninterruptible power supply and the dedicated uninterruptible power supply at each of the programme's one hundred and sixty-one examination and processing machines. Its obligation on environment is to monitor, log and alarm the conditions in the equipment room and the training laboratory, not to supply cooling plant.

The internet row is mandatory at every field unit and is not conditional. The service is departmental scope and is not funded within the programme envelope; no bidder may price it or assume it. A unit certified without a working internet service in that zone is deferred from its wave without liquidated damages and without service credit against the System Integrator, and re-sequenced into a later wave or a catch-up slot before final commissioning. The same consequence attaches to a not-ready certification on any other mandatory row.

11.8 Training sequencing and the commissioning gate

The commissioning gate admits no exception: a unit is not commissioned unless the officer nominated as its in-person-trained examiner completed the Core Examiner Course not later than thirty days before that unit's scheduled commissioning date. A unit whose examiner has not done so is deferred and re-sequenced, and the deferral is reported with its reason.

The batches are composed by wave: the first carries the examiners of the seven Commissionerates and of the first fourteen Districts of lot A; the second, the balance of lot A and the greater part of lot B; the third, the balance of lot B and the whole of lot C. Within a lot the installation sequence follows the order in which examiners completed the course, and the remote cohorts are aligned to the same lots. The batch calendar, the cohort calendar and the arithmetic against the thirty learner endpoints are at Chapter 12, Section 12.4.

Every published duration in the programme is a curriculum duration and none was set by a limit on training entitlements: the batch of nineteen delivery days is sixteen days of core course and three of train-the-trainer, and the Headquarters cadre course is fifteen days, each being the sum of the durations of its own modules at Annexure J. The laboratory's thirty concurrent entitlements of each hands-on licence class, by which a whole batch takes a hands-on module together, therefore give the programme margin within the window and freedom of sequence within a block, and not a shorter course. No date in this chapter moves in consequence: the training laboratory is accepted at gate G3 in month 4, the initial programme runs at P7 from month 5 to month 12 with the in-person element completing in month 9, the Headquarters cadre course is delivered in month 7 and batch B2 in month 8, and gate G7 stands at month 12.

11.9 Change control

Change is controlled in three classes. No change takes effect until approved in writing, no change class permits the waiver of an acceptance criterion, and no change is approved retrospectively to regularise work already done.

Table 11.6: Change control classes, authority and decision time

Class	What it covers	Approving authority	Maximum decision time
CC-1 Configuration change	No effect on scope, quantity, specification, published gate or commercial terms: configuration parameters, sequencing within a gate, documentation and template revisions	Programme Management Unit	10 working days
CC-2 Change with limited commercial effect	Commercial effect below 5 per cent of contract value, or a quantity movement within the permitted per-line variation, with no effect on a published gate	Apex Procurement Committee, on a Technical Committee recommendation issued within 15 working days	20 working days from a complete proposal
CC-3 Change in the highest class	Commercial effect at or above 5 per cent of contract value, or any change to a published month gate, the unit composition, the scope or an acceptance criterion	Apex Procurement Committee; where sanction, budget or establishment is affected, the Department	20 working days; 30 where it passes to the Department

Every change request states the item identifiers affected, the effect on quantity, specification, schedule and acceptance, and the consequence of not making it. Commercial effect is computed against the item-wise schedule the successful bidder submits before signature, the rate basis for every variation under Chapter 14; no value appears in this Request for Proposal. A quantity variation is within the per-line limit at Chapter 9, and where it alters contract value the performance security and the liquidated-damages aggregate cap are recomputed on the altered value under Chapter 14. A change arising from departmental delay is not a change: it tolls obligations under Section 11.11.

11.10 Risk management during implementation

A single delivery risk register is maintained for the programme, owned by the Programme Management Unit, reviewed at every monthly programme report and formally each quarter by the Technical Committee. Every row carries a numeric trigger, and a row whose trigger is met is reported that month with the response already begun. Table 11.7 is the minimum content of the register, against which the System Integrator reports throughout implementation.

Table 11.7: Delivery-phase risks, triggers and responses

Risk	Likelihood	Impact	Owner	Numeric trigger	Response
Site readiness at District sites delays the rollout	High	Medium	Programme Management Unit	More than 10 per cent of a wave's sites not certified ready at the 60-day verification	Re-sequence within the lot; escalate to the Apex Procurement Committee where a gate is at risk
A unit's premises do not meet the numeric electrical figures for its tier	Medium	High	Programme Management Unit	Dedicated supply, circuit count or earth resistance short of the figures at Chapter 10, Section 10.5.1 at the 60-day verification	Deferral without damages; departmental escalation to make the supply good; catch-up slot before final commissioning
A field unit has no working Controlled Internet Zone	Medium	High	Programme Management Unit	Internet row not certified at the 60-day verification	Deferral without damages; departmental escalation; catch-up slot before final commissioning
A nominated examiner is not released for the batch	Medium	High	The Department, posting authority	Any unit without a nominated examiner 45 days before its batch	Substitute nomination; failing which the unit is deferred under the commissioning gate
Supply or staging slips beyond the staging gate	Medium	High	System Integrator	Pre-dispatch inspection not passed for a wave's items 30 days before that wave's first installation	Re-sequence lots; expedite; liquidated damages against unit-wise dates
Deployment teams fall behind the planned site rate	Medium	Medium	System Integrator	Fewer than 12 District sites completed in any rolling month of the District window	Further team mobilised at the System Integrator's cost
Cascade training does not produce five certified secondary examiners at a unit	Medium	High	Headquarters CIDAL Laboratory, quality and training function	Fewer than 5 certified secondary examiners at any field unit 90 days after its commissioning	Re-delivery at the System Integrator's cost; the unit's coverage position reported in the annual capacity review
A published month gate is forecast to be missed	Medium	High	Programme Management Unit	Any wave forecast to miss its gate by more than 15 working days	Change request in the highest class to the Apex Procurement Committee

This register measures the progress of the rollout and is distinct from the numeric re-sizing triggers at Chapter 3, Table 3.6, which measure demand: where such a trigger is met the decision belongs to the Apex

Procurement Committee under Chapter 5 and creates no obligation on the System Integrator under this chapter.

11.11 Liquidated damages, relief and the effect of departmental delay

The unit-wise dates, and how they are fixed. Within twenty working days of the notice to proceed the System Integrator submits, and within a further ten working days the Programme Management Unit approves in writing, a unit-wise deployment schedule stating for each of the seventy-six units at Annexure A, Table A.4, by its serial number, four dates: the date of despatch of that unit's consignment, the date of delivery at the unit, the date on which installation and configuration verification is to be complete, and the date on which the unit is offered for site acceptance testing. Each date shall fall within the installation window published for that unit's wave at Annexure A, Table A.2, and the schedule as a whole shall satisfy every month gate published at Section 11.4. The Programme Management Unit approves the schedule, or states in writing every particular in which it does not satisfy this paragraph, within that period; where it states particulars, the System Integrator resubmits within five working days and the Programme Management Unit approves within a further five.

The dates in the approved schedule are the unit-wise dates of the contract, are the dates against which liquidated damages accrue under this Section, and are the dates from which the departmental clocks at Chapter 18, Table 18.8 are computed. They are not the bidder's plan and are not adopted in the bidder's words: the Programme Management Unit issues the approved schedule as a departmental instrument, and the schedule so issued is a contract document ranking with this Request for Proposal.

A unit-wise date is altered only by a written variation order under Chapter 14, Section 14.9, by a re-sequencing following a departmental not-ready certification under Chapter 18, or by a change approved under Section 11.9. Where the approved schedule is not in place by the end of the periods above for a reason attributable to the System Integrator, the unit-wise date for every unit is taken to be the last day of the installation window published for that unit's wave.

The parties agree that the rate stated below is a genuine pre-estimate of the loss the Department will suffer from delay against a unit-wise date, arrived at having regard to the fact that a unit that is late is a unit at which the Department's officers cannot acquire, examine or record, that the loss so caused is a loss of investigative capability which is difficult to quantify in money, and that the estimate has been made in advance for that reason. Liquidated damages are recoverable without proof of actual loss and are deducted from any amount due to the System Integrator or recovered from the performance security. They are the Department's sole monetary remedy for delay as such, and do not affect any other remedy for any other breach.

Liquidated damages accrue against unit-wise dates and not against a single global date. The rate is 0.5 per cent of the contract value attributable to the affected unit for each completed week of delay against that unit's scheduled date, subject to an aggregate cap of 10 per cent of contract value. Both are percentages and neither is resolved to a value in this Request for Proposal.

No liquidated damages accrue and no service credit arises where a unit is deferred on a departmental not-ready certification; where the Department exceeds the inspection and certification clocks at Chapter 18; where officers required for a training batch are not released; or where a force majeure event notified under Chapter 14 prevents performance. In each case the System Integrator's obligations and damages exposure for the affected units are tolled for the period of the delay and the matter escalates automatically to the Apex Procurement Committee. There is no deemed acceptance: an item cannot be deemed to have been installed, tested or accepted.

11.12 Transition to operations

Transition is unit-wise and begins at each unit's own site acceptance. From that date the operations, maintenance, support, spares and training obligations attach to that unit and are paid monthly in arrears under Chapter 8, and the service levels at Chapter 13 apply to it. The thirty-six-month operations period runs from final commissioning at month 16 to its close at month 52, so a unit accepted early is supported for longer than thirty-six months and none for less.

Each recurring head begins on its own trigger and all end on one date. The initial training programme begins with the first remote cohort at month 5 and the first in-person batch at month 6, the training laboratory having been accepted at month 4, and the Headquarters Cadre Course is delivered in month 7 under Chapter 12, Table 12.2.

The Headquarters specialist cadre is twenty posts, engaged for the thirty-six months of the operations period, being programme months 16 to 52. In addition, the nine posts required for Headquarters commissioning, for the initial training programme and for the referral function as units come live mobilise from programme month 6, on acceptance of the Headquarters wave at gate G4, and serve the ten months to the start of the operations period. The engagement is accordingly thirty-six months for eleven posts and forty-six months for nine, being 810 post-months in all. Twenty posts is unchanged, no post is withdrawn before the close of the operations period at month 52, being gate G11, and every month number is a programme month counted from the effective date of the contract. The same end point is expressed at Chapter 13, HR-01. Support, maintenance, training delivery and the cadre all run to the close of the operations period and nothing in this contract carries any of them beyond it; the requirement that arises when they end together is at Chapter 14.

Transition is complete when every row of Table 11.8 has been delivered and accepted. The Programme Management Unit's implementation role ends on the final commissioning certificate.

Table 11.8: Conditions for completion of the transition to operations

Deliverable	Accepted by
As-built drawings, configuration exports and the labelling schedule for every unit	Wave Delivery and Acceptance Committee
The concurrent high-load acceptance test record for every delivered machine, and the discharge and mains-interruption records for every power provision	Wave Delivery and Acceptance Committee
Asset and licence register reconciled to the Bill of Materials, every entitlement standing in the name of the Department, with the principals' undertakings under Chapter 10, LC-6 lodged against each software item	Programme Management Unit
Tool-validation dossiers against the known-answer dataset	Quality and Review Authority
Training records, assessment results and countersigned cascade certificates so far as due at the date of final commissioning	Training Officer, Headquarters
Spares holding and consumable set verified against the quantities stated in the technical bid under Chapter 10, Section 10.7.5	Programme Management Unit
Support desk in service, with intake channels published to all 76 units	Programme Management Unit
First cycle of monthly certified returns established at each of the 75 field units	Documentation and Returns Officer

Chapter 12: Training and Competency Framework

12.1 Purpose: training is a capacity decision

Every field unit is operated by police personnel, no contracted person is posted at any field unit, and the support desk may not touch evidence. The competence of the officers at the unit is therefore the whole of the human capacity the design holds.

The design point at Chapter 3 assumes, at every field unit, one primary examiner trained in person and five secondary examiners trained remotely and certified locally on the unit's own equipment. A unit at which the cascade produces fewer than five certified secondary examiners carries less capacity than the design point assumes, which is why the cascade obligation at Section 12.7 carries a number, a date and a consequence. The trained establishment is a deliverable of this contract and is designed, scheduled, assessed and reported as a capacity item.

12.2 The trained population and the tracks

The initial trained population is 457 officers: 82 trained in person at the thirty-position Headquarters training laboratory, being one officer per District (68) and two per Commissionerate (14), who are their units' primary examiners and local trainers; and 375 trained remotely, being five officers per field unit across all seventy-five field units, who are their units' secondary examiners.

Two further audiences are trained but add nothing to that population. The Unit In-charge and Custodian tracks are addressed to duty places: seventy-five Unit In-charge places, one per field unit, and one hundred and fifty Custodian places, being the Custodian and one nominated relief at each field unit. Because one officer may hold more than one duty, those places are in most units filled by officers already counted within the 457. The Headquarters Cadre Course is delivered to the twenty contracted specialist posts, who are not officers of the Department and are counted separately.

Table 12.1: Training tracks, audience, volume, duration, assessment and pass criterion

Track	Audience and volume	Mode	Minimum duration	Contact hours	Assessment	Pass criterion
Core Examiner Course	82 primary examiners, 1 per District (68) and 2 per Commissionerate (14)	In person, training laboratory	16 working days	120	Written paper and supervised practical on Department-supplied material	60 per cent in each of the written and practical components, both required
Train-the-Trainer	The same 82 officers	In person, appended to the core course	3 working days	22.5	Assessed delivery of one module to peers; acceptance of the cascade obligation	Delivery assessed satisfactory and a cascade plan for the officer's own unit accepted
Secondary Examiner Course	375 secondary examiners, 5 per field unit multiplied by 75	Remote theory and demonstration; hands-on cascaded locally	10 sessions, plus 4 supervised local days	75 remote and 30 local	Written assessment per module; local practical on the unit's own equipment	60 per cent aggregate written, and a practical countersigned by the Unit In-charge
Unit In-charge Course	75 duty places, 1 per field unit	Remote	3 sessions	22.5	Written, on classification, referral, review and certification	60 per cent
Custodian Course	150 duty places, Custodian and 1 nominated relief per field unit	Remote	3 sessions	22.5	Written, and practical on sealing, registers and despatch	60 per cent written and the practical assessed satisfactory
Headquarters Cadre Course	20 contracted specialist posts	In person, discipline-specific	15 working days	112.5	Discipline assessment against the qualification matrix at Annexure M	60 per cent and demonstrated competence on the tools the post operates

12.3 The curriculum, track by track

Full module lists, prerequisites and assessment instruments for every track are published at Annexure J. The tracks and their durations are: the Core Examiner Course, sixteen working days in four blocks, being law and evidence three days, intake and the standard two days, acquisition and examination eight days, and reporting three days; the Train-the-Trainer track, three working days appended to the core course for the same officers, covering instructional method for adult learners, preparation of the officer's own cascade plan, the published practical assessment instrument and its marking scheme, the countersignature and record-return procedure, and a supervised delivery of one module to peers; the Secondary Examiner Course, ten remote sessions of one module each, its hands-on element being at Section 12.7; the Unit In-charge Course, three remote sessions; the Custodian Course, three remote sessions; and the Headquarters Cadre Course, fifteen working days, being a five-day common block on the design, the referral register, zoning, the authorisation gate, quality and tool validation, and a ten-day discipline block for the post's specialism.

12.4 The in-person batch schedule and the arithmetic against thirty positions

The training laboratory is commissioned and accepted at month 4, ahead of the balance of the Headquarters build. The initial programme runs from month 5 to month 12, eight months, or approximately 168 working days at twenty-one working days a month. The remote cohorts begin in month 5 and the first in-person batch in month 6, so that the Training Officer at Annexure M, post P-18, who owns the curriculum, the assessment instruments, attendance verification and train-the-trainer certification, is in post from the mobilisation of the early tranche at programme month 6 before any in-person batch is delivered.

Table 12.2: In-person batch schedule and laboratory utilisation

Batch	Officers	Composition by rollout lot	Working days	Delivered in month	Seat-days consumed	Field units covered
B1	28	14 Commissionerate examiners (2 for each of 7) and 14 District examiners of lot A	19 (16 core + 3 train-the-trainer)	6	532	21
HQ	20 posts	Headquarters specialist cadre, discipline-specific	15	7	300	Nil
B2	27	9 District examiners of lot A and 18 of lot B	19 (16 + 3)	8	513	27
B3	27	5 District examiners of lot B and 22 of lot C	19 (16 + 3)	9	513	27
All batches	82 officers and 20 posts	All 75 field units	72 delivery days	Months 6-9	1,858	75

The Headquarters Cadre Course is delivered in month 7 as one delivery to the whole cadre of twenty posts, so that every post is certified before the earliest date on which a referred exhibit can reach Headquarters and before the operations period begins at month 16. The nine posts mobilised from month 6 under Chapter 11, Section 11.12 attend in post; the eleven engaged from the start of the operations period attend the same delivery, certification on it being a condition of taking up duty. Batch B2 is delivered in month 8 in consequence. No batch and no course shares the laboratory with another, a batch of twenty-seven or twenty-eight and a course of twenty posts together exceeding the thirty learner positions.

The arithmetic closes on five measures.

The population. 28 + 27 + 27 = 82, being every District and Commissionerate primary examiner, and no batch exceeds the thirty learner positions.

The calendar. Three batches of nineteen working days are 57 delivery days, and with the fifteen-day Headquarters cadre course 72 delivery days, against approximately 168 working days in the window. The laboratory is occupied on 43 per cent of the window and 96 working days of margin remain for re-runs, catch-up sessions and the sustaining programme at Section 12.9.

The seats. Thirty positions across 168 working days offer 30 multiplied by 168 = 5,040 seat-days. The in-person programme consumes (28 multiplied by 19) + (27 multiplied by 19) + (27 multiplied by 19) + (20 multiplied by 15) = 1,858 seat-days, being 36.9 per cent of them.

The concurrency. The laboratory carries not fewer than thirty concurrent entitlements of every hands-on licence class, so a batch of twenty-eight or twenty-seven takes every hands-on module as one undivided cohort, at one sitting, and no batch is extended.

The window. The in-person element completes in month 9, within five months of the laboratory's acceptance at month 4, and the whole initial programme, including every remote cohort, within eight months of it.

Every one of the thirty learner endpoints is fully equipped, in hardware and in software alike, and carries the whole training instance set deployed in the laboratory; the instructor endpoint is equipped to not less than the same specification. A learner endpoint is a working desk with its own computer, display, keyboard and pointing device, and it is not a bare seat: the training instances of the host, mobile and telecom tools and of every other class delivered hands-on are installed at all thirty of them. The laboratory carries not fewer than thirty concurrent entitlements of every hands-on licence class, so that all thirty learners may be in any one tool at the same moment. No learner waits for an entitlement, no cohort is divided in order to deliver a hands-on module, and a bidder prices thirty fully equipped learner endpoints and thirty concurrent entitlements of each class and not a lesser number. The seat-day arithmetic above counts positions, and each position now carries the whole capability. The laboratory further holds thirty training device sets, being not fewer than thirty portable write blockers, thirty training storage devices spanning the rotating and the solid-state classes and thirty training handsets across the prevalent mobile operating-system families, with their cable, adapter and card sets, so that each learner works on a device set of the learner's own. No training device holds evidential data. Every figure in this paragraph is specified at Chapter 10, Section 10.5.5 and verified at laboratory acceptance against the published test plan.

The laboratory is one training network. A single training segment with one instruction point serves all thirty learner endpoints and the instructor endpoint together, so that any module may be delivered to the whole batch at once; the network has no path to any evidential zone and carries non-evidential data only. No divided arrangement of the room is required, and none is priced. Because a batch of twenty-eight is never split, the durations published at Table 12.2 are the durations the curriculum itself requires and nothing in them was set by a constraint on entitlements; the removal of that constraint gives the programme schedule margin and sequencing freedom within each block, and not a shorter course.

Batch composition is set by the rollout. B1 carries the fourteen Commissionerate examiners because wave W1 is accepted at month 10, and the first fourteen District examiners of lot A because wave W2 begins installation at month 9. B2 completes lot A and carries the greater part of lot B. B3 completes lot B and the whole of lot C, delivered in month 9 against lot C installation beginning at month 13. Within a lot the installation sequence follows the order in which examiners completed the course. Every batch therefore completes not less than thirty days before the first commissioning it serves, satisfying the gate at Chapter 11, Section 11.8.

12.5 Remote delivery

Table 12.3: Remote delivery specification

Element	Requirement
Platform class	A departmentally approved conferencing service reached from the Controlled Internet Zone. No evidential artefact is presented, transmitted or stored on it; it has no connection to any Evidence Processing Zone; recordings and attendance data are held on Government-controlled infrastructure inside India
Session structure	One session per module of 7.5 contact hours: 30 minutes of recapitulation and prior-module assessment; three instructional blocks of 60 minutes; two demonstration blocks of 45 minutes; 90 minutes of guided exercise on the unit's own equipment; 30 minutes of questions and consolidation; 30 minutes of end-of-module assessment. Breaks are additional to contact hours
Session size	Not more than 50 learners in any session. The count of learner positions in the training laboratory does not constrain a remote session: the session is delivered to officers seated at their own units, and consumes the instructor position and the separately connected Controlled Internet Zone endpoint from which it is delivered, and no learner position
Cohorts	8 cohorts, composed and sequenced at Table 12.4
Session deliveries	Secondary Examiner Course 10 modules for each of 8 cohorts = 80; Unit In-charge Course 3 for each of 8 = 24; Custodian Course 3 for each of 8 = 24; 128 session-deliveries across the window, being about two and a half a week on the secondary track and about four a week in all
Attend	A named individual credential per officer, neither shared nor transferable; join and leave times logged per participant; two randomised

Element	Requirement
ance verification	roll-calls per session requiring a response within five minutes; a session counts only where the officer is present for not less than 90 per cent of contact time; the Unit In-charge certifies unit attendance in the monthly return
Assessment	An end-of-module written assessment taken within the session; a consolidated written assessment on completion of the track; and, on the secondary examiner track, the local practical at Section 12.7
Materials	Learner handbook, laboratory guide and standard operating procedure extracts, issued in Hindi and English in an open editable format with a signed portable-format copy, distributed before each session and retained at the unit; every session recorded and the recording retained for the contract term
Catch-up	Each module re-delivered live once per cohort within the window for officers who missed it. A missed module is not discharged by the recording alone
Hands-on	Not attempted remotely. Consolidated at the in-person track and cascaded locally under Section 12.7

12.5.1 Livestream of laboratory sessions to the field units

The training laboratory holds a livestream capability, specified at Chapter 10, IN-04.14 and procured within IN-04. Any session the laboratory delivers may be livestreamed to officers at the field units, vision, sound and the instructor's screen together, and is received at each unit over that unit's own Controlled Internet Zone endpoint. The System Integrator supplies the platform and its licences for the full contract term at no additional charge, sized so that every one of the seventy-five field units may receive the same session at the same time. The livestream originates from the separately connected Controlled Internet Zone endpoint of the laboratory and holds no path to any learner segment or to any evidential zone.

The livestream is an additional delivery mechanism and not a track. It carries no curriculum of its own, no assessment, no attendance obligation on any officer and no certificate; it does not discharge any obligation of the structured remote training track, and it does not alter the tracks, the volumes, the durations, the assessments, the cohorts or the pass criteria published at Table 12.1, Table 12.3 and Table 12.4. The 375 officers of the secondary examiner track remain trained through the ten structured remote sessions of their own cohort, in cohorts of not more than fifty aligned to the rollout waves as at Table 12.4, and neither those sessions nor the Unit In-charge and Custodian tracks may be substituted by a livestream. What the capability adds is reach: an officer at a field unit who is not a member of the batch in the room, and who is not a member of the cohort in session, may nevertheless watch a laboratory session as it is delivered. A livestreamed session consumes the instructor position and the delivery endpoint and no learner position, and it does not reduce the thirty learner endpoints available to the batch in the room.

12.6 Remote cohorts and alignment to the rollout waves

The 375 secondary examiners are grouped into eight cohorts, none exceeding fifty learners, composed by unit so that every officer of a unit is trained together and every cohort completes before the units it carries begin to commission; the seven Commissionerates form one cohort of their own. The Unit In-charge and Custodian tracks are delivered to the same eight groupings, so a unit's Unit In-charge, its Custodian and relief, and its five secondary examiners are all trained in the same window and against the same lot.

Table 12.4: Remote cohort composition and wave alignment

Cohort	Units	Secondary examiners	Rollout lots served	Track complete by month
RC-1	7 Commissionerates	35	W1	6
RC-2	10 Districts	50	W2 lot A	7
RC-3	10 Districts	50	W2 lot A	8
RC-4	10 Districts (3 of lot A, 7 of lot B)	50	W2 lot A, W3 lot B	8
RC-5	10 Districts	50	W3 lot B	9
RC-6	10 Districts (6 of lot B, 4 of lot C)	50	W3 lot B, W4 lot C	10
RC-7	9 Districts	45	W4 lot C	11
RC-8	9 Districts	45	W4 lot C	12

Cohort	Units	Secondary examiners	Rollout lots served	Track complete by month
All cohorts	75 field units	375	All waves	12

A cohort spanning two lots is delivered against the earlier lot's first commissioning date. Cohort composition is fixed in counts and lot allocation at Table 12.4 and Table J.12, from the units and delivery lots named at Annexure A; the named composition of each cohort and the session calendar are published under Annexure J before the first session. Figure 4 at Chapter 11 draws both the cohort composition and the session calendar against the rollout waves.

12.7 Hands-on competence and the cascade obligation

Hands-on competence is produced in two places only, and neither over a conferencing service nor by watching a livestream: at the in-person track, on the training device sets in the laboratory; and at the unit, on the unit's own equipment, by the officer who attended in person.

The cascade obligation is written into the Train-the-Trainer track and contracted as a deliverable. Within thirty days of a unit's commissioning, its in-person-trained examiner delivers four supervised working days, being thirty hours, of hands-on instruction at the unit to its secondary examiners. The instruction is given on that unit's own equipment, being its analysis workstation, write-blocking hardware and on-scene response kit, together with its acquisition and processing node at a District and its bench duplicator and second workstation at a Commissionerate, and follows the published cascade plan. Each secondary examiner is then assessed on the published practical instrument: a supervised acquisition with hash verification, an examination against a stated question, production of a triage package, and correct completion of the custody and triage registers. The assessment is scored on the published marking scheme, countersigned by the Unit In-charge, and returned to the Training Officer at Headquarters within ten working days. The System Integrator supplies the cascade plan, the assessment instrument, the marking scheme, bilingual materials and remote assistance, and re-delivers the remote modules at its own cost where a cascade fails. Because the cascade follows each unit's own commissioning, it is not a condition of the initial-programme gate G7 at Chapter 11.

The obligation is monitored numerically: five certified secondary examiners at every field unit within ninety days of that unit's commissioning, the count reported in the monthly certified return. A unit below the measure is a triggered row of the delivery risk register at Chapter 11, Table 11.7, with the consequence recorded there: re-delivery at the System Integrator's cost, and the unit's position reported in the annual capacity review.

12.8 Assessment, certification, re-runs and completion

Assessment is by written paper and by practical demonstration on Department-supplied material, against published instruments and published marking schemes; the bidder does not set the assessment. The pass criterion is 60 per cent in each assessed component of a track, both being required where a track has two. An officer who does not pass is entitled to one re-assessment within thirty days at no cost to the Department.

The completion criterion for a batch or a cohort is that not less than 85 per cent of its participants pass at first attempt. Where a batch or cohort falls below it, one re-run is delivered at the System Integrator's cost, and any further re-run is chargeable to the Department under the variation clause at Chapter 14. A certificate is issued per officer per track. The training register at Headquarters, holding attendance, assessment results, certificates and countersigned cascade assessments, is retained for the contract term and five years, and is the evidence that the trained establishment assumed at Chapter 3 exists.

The Department makes the training laboratory available for every scheduled delivery, nominates and releases the officers, and bears participant travel and subsistence; the laboratory, its thirty fully equipped learner endpoints and instructor endpoint, its thirty training device sets, its thirty concurrent entitlements of each hands-on class and its livestream platform are procured at IN-04 and stand in the name of the Department from acceptance. The System Integrator provides trainers, curriculum, materials, translation, assessment instruments, attendance verification, certification records and all delivery in both modes, and operates and

supports the livestream platform for the whole of the term. The quality and training function at Headquarters owns the curriculum, assessment instruments, attendance verification and train-the-trainer certification; it does not teach, delivery remaining a contracted obligation throughout the term.

12.8.1 Trainers: provision, certification, competence and notice

Trainers are provided by the System Integrator as part of SV-03 and are additional to the twenty posts of the Headquarters specialist cadre at MP-01. No post of that cadre may be counted towards, or deployed in discharge of, the training delivery obligation. Trainers may rotate between modules and between batches, and the System Integrator is not required to field the same individual throughout. Every trainer shall be certified and demonstrably competent in the specific module delivered, holding either a current certification issued by the principal of the tool concerned or documented instructional experience in that discipline, and shall be fluent in the language of delivery. The System Integrator shall furnish the name, qualification, certification and module allocation of every trainer not less than fourteen days before the batch or cohort concerned, and the Department may require the replacement of any trainer who does not meet this requirement, at no cost and without extending any date. The particulars are furnished in the published format at Annexure N, Q-13, are entered in the training register, and are measured at Chapter 13, SL-16.

The manpower boundary at MP-01 is read accordingly. The duty of a post of the Headquarters specialist cadre extends to bilingual assistance and refresher support at Headquarters, which does not include delivery of the training programme at SV-03. A bidder that prices training delivery against the twenty MP-01 posts has not priced SV-03, and the deployment record at HR-01 and HR-05 is measured against the cadre alone and is not satisfied by trainer attendance.

12.9 Refreshers, new postings and the sustaining programme

Four arrangements sustain the trained establishment across the operations period.

Table 12.5: Sustaining programme across the operations period

Provision	Audience	Mode and duration	Frequency
Refresher for secondary examiners	All certified secondary examiners	Remote, 2 sessions	Annually
Refresher and re-certification for primary examiners	All 82 in-person-trained primary examiners	In person, 3 working days, in three cohorts of not more than 30, being 28, 27 and 27	Annually, one cohort in each of the three scheduled intake weeks
New-posting course	Officers newly posted to a duty	Cascade at the unit for the Examiner and Custodian duties; remotely on the three-session Unit In-charge Course for a replacement Unit In-charge; and in person as a full nineteen-day delivery of the Core Examiner Course and the Train-the-Trainer track for a replacement primary examiner, the free learner positions of a scheduled intake week carrying only those officers whose track fits within the week	Within 90 days of posting
Tool-update briefing	Examiners at every unit holding the item	Remote, 1 session per affected item	On any major version change delivered under support

The laboratory runs three scheduled in-person intake weeks in each contract year, a delivery obligation of the training head at Chapter 10 measured at Chapter 13, SL-16. The arithmetic is direct: eighty-two primary examiners, in refresher cohorts of not more than thirty, are three cohorts of 28, 27 and 27, at three working days each, being nine delivery days a year on the refresher alone. Each intake week carries one refresher cohort and, in the two or three learner positions it leaves free, the officers newly posted as primary examiners or Unit In-charges since the previous intake week. Where the number newly posted exceeds those free positions, or where the next scheduled week falls outside ninety days of a posting, the System Integrator delivers, within the contracted delivery obligation, a further intake week for replacement Unit In-charges and not fewer than one additional nineteen-day core course in each contract year in which the number of replacement primary examiners exceeds the positions the scheduled weeks carry, so that the ninety-day measure at Table 12.5 is met. A unit which loses its trained examiner is therefore restored within a quarter and not at the next annual programme.

A refresher cohort is capped by the thirty learner positions, so a shock to the primary-examiner population is absorbed across successive intake weeks through those additional deliveries, at the cost of delivery days and not of coverage. The curriculum is reviewed annually by the Technical Committee against tool changes, changes in the triage standard and the annual capacity review, and any revision is issued in both languages within the contracted delivery obligation and at no further charge.

12.10 The thirty learner endpoints, the entitlements and the language obligation

Thirty learner endpoints are supplied and thirty are priced. Each is fully equipped in hardware and in software, each carries the whole training instance set deployed in the laboratory, and the laboratory holds not fewer than thirty concurrent entitlements of every hands-on licence class, thirty training device sets and one instructor endpoint equipped to not less than the same specification. A bidder that offers fewer than thirty equipped endpoints, fewer than thirty concurrent entitlements of any hands-on class, or an arrangement by which successive groups of learners take a hands-on class in turn, has not met the requirement, and no such arrangement is accepted or priced as a substitute. A remote session consumes the instructor position and the delivery endpoint and no learner position, and a livestreamed session does the same.

All training material, laboratory guides, standard operating procedure extracts, assessment instruments and certificates are produced in Hindi and English, translation being inside the contract and not a separate charge. Instruction is delivered bilingually, and Hindi is mandatory for every training-delivering post and for every trainer furnished under Section 12.8.1. Materials are handed over in an open editable format with a signed portable-format copy, and the Department may reproduce and continue to use every training artefact after the contract term without further charge.

Chapter 13: Operations Model, Service Levels and O&M Framework

13.1 Purpose and the three facts that shape this chapter

This chapter governs every service level and every service credit for the thirty-six-month operations period: where any other chapter or annexure appears to state a service level, a severity or a credit, this chapter governs. Annexure I reproduces the severity definitions and the response matrix and fixes the clock conventions, the escalation ladder and the evidence required for a determination; it creates no service level, severity or credit beyond this chapter. Severity classes and resolution periods for defects in the software supplied are at Chapter 10, Section 10.2.3, taking their service-level consequence here at SL-18.

Three facts govern every obligation here. Seventy-six standalone units have no data connection between them and no central service delivery, and no obligation may create such a connection or be discharged by one. Every contracted post is at Headquarters, so the seventy-five field units are supported with no person of the System Integrator on the premises except when one attends. Headquarters has no live view of field operations, so every field measure is taken from the monthly certified return and no service level, service credit or acceptance criterion depends on a live figure.

13.2 The operating model

Each unit operates itself: its police officers hold the three duties of Unit In-charge, Examiner and Custodian and perform all case work, custody and recording under Chapter 6. The System Integrator delivers the services catalogued at Table 13.1 and nothing beyond them; six reach a field unit directly, being SC-01, SC-02, SC-04, SC-05, SC-10 and SC-16, and the rest reach the programme or reach the unit through one of those six. The Headquarters specialist cadre performs referred examinations and the Headquarters functions at Chapter 4.

Service levels commence unit-wise at that unit's site acceptance certificate, and no unit is measured before its own acceptance, save that credits against SL-16 commence at the training-laboratory acceptance certificate and credits against HR-01 to HR-06 commence at the mobilisation date of the post concerned, as Table 13.5 states. The operations period runs from final commissioning at month 16 to its close at month 52, so a unit accepted in an early wave is supported for longer than thirty-six months and none for less.

A field unit reaches the desk, receives licence and signature updates and submits its certified return through the departmentally provided internet service in its Controlled Internet Zone, its only external route. That service is departmental scope, is not funded within the programme envelope, and its absence is a departmental cause under Section 13.11 attracting no service credit. The desk may not touch evidence and does not substitute for competence at the unit: the trained establishment and the cascade obligation at Chapter 12 are the field units' structural support.

13.3 The service catalogue

Table 13.1: Service catalogue

Ref	Service	Units served	What is delivered	Service level
SC-01	Support desk	All 76	Advisory, remote, non-evidential assistance on published channels in Hindi and English	SL-11, SL-12
SC-02	Incident management and restoration	All 76	Diagnosis, remote guidance, spare despatch or attendance, to severity	SL-04 to SL-07
SC-03	Equipment and system availability	All 76	Keeping the unit's configured set fit to acquire, examine and record	SL-01 to SL-03
SC-04	Preventive maintenance	All 76	Scheduled on-site attendance, inspection, cleaning, test and report, with battery testing and replacement at every power provision	SL-08
SC-05	Patch, signature and vulnerability management	All 76	Direct at Headquarters; by controlled removable media at every field unit	SL-09

Ref	Service	Units served	What is delivered	Service level
SC-06	Backup verification and restore testing	All 76	Verified backup and tested restore to the objectives at Chapter 4	SL-10
SC-07	Spares and consumables	All 76	Within-India spares holding; seals, bags, labels, target and archival media, and replacement batteries for the power provisions	SL-13, SL-14
SC-08	Warranty administration	All 76	Entitlement records, claims and replacement, delivered through SC-02	SL-04 to SL-07
SC-09	Asset, configuration and licence management	All 76	Registers, baselines, entitlement calendar, annual physical verification	SL-15
SC-10	Training delivery	Headquarters in person; the 75 field units remotely	Initial and sustaining programme under Chapter 12, delivered by trainers furnished under Chapter 12, Section 12.8.1	SL-16
SC-11	Headquarters specialist cadre	Headquarters	Twenty posts, of which eleven examine, under Chapter 4 and Annexure M	HR-01 to HR-06
SC-12	Service measurement and reporting	Programme	Monthly service report, credit computation and evidence pack	SL-12, SL-15
SC-13	Independent audit and programme management support	Programme	Department-appointed and Department-paid, outside the System Integrator's contract	Section 13.14
SC-14	Exit and knowledge transfer	Programme	Handover, registers, continuity plan and certified counterparts	Section 13.15
SC-15	Power-provision support and battery management	All 76, and each of the 161 protected machines	Support of the 76 unit-level and 161 per-machine uninterruptible power supplies: annual witnessed capacity measurement at every provision, replacement of any battery below rating, and re-verification of the runtime obligation after each replacement	SL-17
SC-16	Software defect resolution	All 76	Workaround and correction of every reported defect to the severity classes and clocks at Chapter 10, Section 10.2.3, at no cost for the term, with the open-defect register furnished monthly	SL-18

13.4 The Headquarters support desk and the boundary it may not cross

The desk is a field unit's only channel for help between maintenance visits. It operates 08:00 to 20:00 Indian Standard Time on every day other than a gazetted holiday, on one published telephone number, one electronic-mail address and a web form reachable from any unit's Controlled Internet Zone; every request enters one queue under one ticket reference, and Hindi is available on every channel throughout coverage.

The Documentation and Returns Officer is the sole relief for the desk, meets the Annexure M floor for the desk function and is bilingual with Hindi; no other post is rostered to it. The evidence-custody and referral-register function is covered on a single shift, and the twelve-hour coverage window at HR-03 applies to the desk only. No examining post is rostered to either function. The roster is published at mobilisation, names every relieving post-holder, and is measured at HR-03.

The boundary is absolute: the desk advises. It may not connect to any machine holding case evidence; view, receive, transmit or store any evidential artefact, forensic image, working copy or derived intermediate; make, verify or influence a forensic finding; or hold credentials to any evidence-processing system at any unit. Remote assistance reaches the Controlled Internet Zone endpoint and nothing else: a machine in the Evidence Processing Zone is not remotely reachable, is not to be made remotely reachable, and is supported by guided assistance to the unit's own officers or by attendance. A request that cannot be met within the boundary is recorded as declined, with the reason, referred to the Unit In-charge, and reported monthly under SL-12.

13.5 Preventive maintenance at unmanned sites

Preventive maintenance runs not fewer than twice a contract year at every field unit and four times at Headquarters, to a schedule published at the start of each contract year and notified to the unit not less than ten working days ahead. A visit covers inspection, cleaning and thermal check of every configured item; write-blocking verification on every acquisition path; a hash-verified test acquisition on non-evidential media; a runtime test of the unit-level power provision at its measured connected load and of each machine's dedicated provision at that machine's measured sustained load; storage health and capacity; log and time-synchronisation state; completeness and sanitisation of the update media pool; verification of the unit's restore-test records under SL-10; and a stock check of spares and consumables at the unit. Two annual obligations are discharged at the visit in which they fall due and recorded on that visit record: the witnessed battery capacity measurement at every power provision at the unit, under Section 13.6 and SL-17; and the disconnected-operation check required by Chapter 10, LC-7, by which every software item at the unit is shown still to install, operate, report and export with every external interface disconnected.

The engineer works under escort, enters the Evidence Processing Zone only with the Examiner or the Unit In-charge present, is issued no operating credentials, and signs the access register on entry and exit. Test media are non-evidential; where an item under maintenance holds case data the work is done with the Examiner present and nothing is copied, exported or removed. A storage device that has held evidential data is never returned to the supplier: it is retained by the Department, recorded in the movement register and destroyed under Annexure L against a destruction certificate, the warranty obligation being discharged by supply of the replacement. Every visit closes on a signed unit record naming the officer present, the items tested, the results and any fault raised, and that record is the evidence on which SL-08 is measured.

13.6 Spares, consumables, batteries and warranty

The System Integrator determines and states the initial and replenishment quantities of spares and consumables and holds them so that a defective, malfunctioning or broken component is replaced within the time allowed by the service levels here, without a fresh procurement. Spares are held within India at not less than 5 per cent of the deployed population of each hardware class, and not fewer than one unit of every class, restored after consumption within the period at SL-14. Despatch is discharged on delivery at the unit against a signature and not on handing over to a carrier. Where the failed part is field-replaceable the desk guides the unit's own officer through the replacement and records that it did so; where it is not, the spare travels with an attending engineer.

The consumable set comprises numbered tamper-evident seals, evidence and shielding bags, gloves, labels, blank target media, archival media and replacement batteries for the power provisions. Seal provision is sized to the State-wide consumption published at Chapter 3, of the order of 108,000 a year, and archival media to the archival write volumes published there for each tier. Initial and annual replenishment quantities are those the bidder derives and states under Chapter 10, Section 10.7.5, and no unit falls below two months of its published consumption of any consumable class.

The estate carries two hundred and thirty-seven uninterruptible power supplies: seventy-six unit-level provisions, one at each unit, and one hundred and sixty-one dedicated per-machine provisions, one at each of the eleven laboratory-grade workstations, the eighty-two field-grade workstations and the sixty-eight acquisition and processing nodes, holding stored energy of the order of 120 kilowatt-hours. The obligation, measured at SL-17, is annual witnessed capacity measurement at every one of the 237 provisions; replacement at the supplier's cost of any battery measuring below 80 per cent of its rating; and re-verification of the runtime obligation at the protected load after every replacement. At least one full replacement cycle across the 161 per-machine provisions falls inside the operations period; that cycle sits within the operations and maintenance head and within the consumable set, is priced at bid, is not a variation, and no claim arises from it.

Warranty runs from the site acceptance of the unit at which the item is deployed. For hardware it is three years, comprehensive and on site, parts and labour, by item class at Chapter 10. Software and licensed items carry the entitlement and continuity obligations at Chapter 10, Section 10.2.2 and the quality and defect-

liability obligations at Section 10.2.3 for the whole contract term. A warranty event is raised, tracked, restored and measured as an incident under SC-02.

Expiry of a warranty does not end the restoration obligation. A unit accepted in an early wave is supported beyond the three-year warranty of the items deployed there, and for that period the obligation to diagnose, restore and replace under SC-02 and SL-04 to SL-07 stands undiminished and is not conditional on a live entitlement; no service level is relaxed and no exclusion is available on the ground that an item's warranty has run. The ring-fenced reserve at Chapter 14 may be drawn on written departmental approval to extend hardware warranty cover inside the contract term.

13.7 Patch, signature and vulnerability management by offline update media

The Evidence Processing Zone at every unit is offline in operation. Updates, security patches, tool signatures and definition sets are prepared, verified and hashed by the System Integrator and delivered either as media despatched to the unit or as a package the unit downloads into its Controlled Internet Zone. The import is performed by the unit's own officers under the single crossing rule at Chapter 4: the Unit In-charge authorises the crossing; the Custodian issues registered, single-purpose media from the controlled pool; the hash is verified on write and on read; the media is sanitised after use; and every step is entered in the crossing register.

A patch record with no matching crossing-register entry is not evidence that the patch was applied, and SL-09 is measured on the crossing register and not on the supplier's deployment report. No licence or update mechanism may require continuous connectivity or periodic online re-validation at any unit: offline activation and offline update import are mandatory under Chapter 10, LC-4, re-verified at each annual maintenance visit under LC-7. Vulnerability assessment is quarterly across the Headquarters estate and against the standard field-unit build, with critical findings remediated to SL-09, and a software bill of materials is maintained under Chapter 10, SQ-7 for every delivered item and updated on every version change.

13.8 Backup, restoration and the recovery position

There is no disaster-recovery site, no standby facility, no replication and no failover, and no bidder may price any of them. Recovery is by verified backup and tested restore at the unit where the loss occurs, to the recovery-point and recovery-time objectives at Chapter 4, Table 4.10 and to no others. A field unit's Case and Evidence Management System restores from encrypted removable backup media held in its Physical Evidence Holding Zone with a weekly copy held separately within the unit; a verified image whose archival copy has been hash-verified restores from archival media; the referral register and report repository restore from the Headquarters backup and archive tier.

The quarterly Headquarters restore test restores a named artefact, verifies its hash and is certified by the officer performing it; the monthly field-unit test is performed by the unit's own officers. The obligations and their credits are at SL-10. Loss of a unit's premises is a departmental business-continuity matter, not a contracted service.

13.9 Service levels

Five classifications operate and none is interchangeable with another: equipment and system incidents at Table 13.2, measured at SL-04 to SL-07; support requests in three classes at SL-11; spares despatch in three classes at SL-13; shortfalls against the twenty contracted Headquarters posts at HR-01 to HR-06, at Headquarters only; and defects in the software supplied at Chapter 10, Table 10.6, taking their consequence here at SL-18. The first four are reproduced in full at Annexure I. A support request converts into an equipment incident when guidance fails to resolve it, the incident clock running from conversion.

Severity is assigned by the desk on logging and may be raised by the Unit In-charge, whose assessment governs; a request affecting an exhibit in process escalates on detection and not on elapse of a period. One event may fall within two scales at once: a defect leaving a unit unable to examine is both a Critical defect and a Severity 1 incident, and both obligations run, restoration under SL-04 and correction under SL-18. A single event does not attract a credit twice under the same service level. Where one event breaches two service

levels in different categories each credit is computed on its own category and both stand, the two caps being separate and non-cumulating; a late monthly service report accordingly attracts a credit under SL-12 and under HR-06.

Table 13.2: Severity definitions, equipment and systems

Severity	Definition	Typical case
Severity 1	The unit cannot acquire, examine or record; or the Headquarters compute and storage platform or the referral register is unavailable; or an exhibit in process is at risk	Sole analysis workstation inoperative; the Case and Evidence Management System unusable; acquisition failed mid-image; a machine's dedicated power provision failed with an acquisition in progress at that machine
Severity 2	A capability is lost or materially degraded but work continues by another means	Processing node inoperative at a District; one of two workstations down at a Commissionerate; imager unusable; a machine's dedicated power provision inoperative with no acquisition in progress
Severity 3	A fault with a workaround, which does not prevent casework	Peripheral failure; reporting defect; degraded but functioning storage
Severity 4	A service request, an information request, a configuration change or scheduled work	Update media not received; user query; scheduled reconfiguration

Table 13.3: Service levels, targets, measurement and credit

Ref	Service level	Target	Measurement source	Credit, as a percentage of the Category A monthly invoice
SL-01	Headquarters compute, storage and referral register availability	Not less than 99.5% of the hours of the month, the exclusions at Table 13.5 applying	Headquarters monitoring data and ticket records	1% per percentage point or part below target
SL-02	Headquarters equipment availability: the eleven laboratory-grade workstations, the bench imager, the evidence cabinets and the thirty-position training laboratory. No on-scene response kit is deployed at Headquarters and none is measured here; the on-scene kits at the seventy-five field units are measured at SL-03 where a fault stops the unit and at SL-05 or SL-06 otherwise	Not less than 99.0% of scheduled hours per month	Headquarters monitoring data and ticket records	0.5% per percentage point or part below target
SL-03	Field-unit equipment availability, per unit	Not more than two unavailable working days per unit in any month, being the allowance the Severity 2 restoration clock at Annexure I, Table I.3 consumes. A working day is unavailable at a unit where, at any time in that day, the unit could not acquire, examine or record, that being the condition stated at Table 13.2 for Severity 1; a day on which a capability was lost or degraded but work continued by another means is available, and is measured instead at SL-05	Ticket records reconciled to the monthly certified return, and the unit-day availability line of the certified return	0.1% per unit-month below target
SL-04	Severity 1 response and restoration	Response 1 hour; restoration 8 working hours; met in not less than 95% of incidents. Where restoration requires a part, the restoration clock is suspended from the recorded time of diagnosis until delivery of the part at the unit against signature, and resumes on delivery; the despatch and delivery obligation is measured separately at SL-13, and the suspension is available only where SL-13 was met	Ticket timestamps, countersigned on restoration; the despatch note and the delivery signature where the clock was suspended	0.5% per incident outside target
SL-05	Severity 2	Response 4 working hours; restoration 2 working days; 95%	Ticket timestamps,	0.25% per incident

Ref	Service level	Target	Measurement source	Credit, as a percentage of the Category A monthly invoice
	response and restoration		countersigned on restoration	outside target
SL-06	Severity 3 response and restoration	Response 1 working day; restoration 5 working days; 90%	Ticket timestamps	0.1% per incident outside target
SL-07	Severity 4 response and completion	Response 2 working days; completion 10 working days; 90%	Ticket timestamps	0.1% per request outside target
SL-08	Preventive-maintenance adherence	100% of scheduled visits performed within the scheduled month, each visit covering every item at Section 13.5; and the two annual obligations discharged at the visit in which they fall due, being the witnessed battery capacity measurement and the disconnected-operation check required by Chapter 10, LC-7, at 100% of units within each contract year	Signed unit visit record; the LC-7 disconnected-operation record on that visit record	0.25% per visit missed or unevidenced; 0.5% per unit at which the annual disconnected-operation check was not performed and recorded within the contract year
SL-09	Patch, signature and vulnerability management	Critical patch within 15 working days at Headquarters; at a field unit, the verified and hashed media or package furnished to the unit within 15 working days and imported at the next crossing performed at that unit, and in any event not later than 30 working days, a crossing not performed at a unit after the media or package was furnished being a departmental cause under Section 13.11; signature and definition sets issued monthly; quarterly vulnerability assessment with critical findings remediated in 15 working days	Crossing register matched to the patch record; assessment report	0.5% per instance at Headquarters; 0.1% per unit per instance at a field unit
SL-10	Backup verification and restore testing	At Headquarters, a quarterly restore test performed by the System Integrator: 100% performed, recorded and passed. At a field unit the monthly restore test is performed by the unit's own officers, and the System Integrator's obligation is to publish and maintain the tested procedure, to verify each unit's restore-test records at the preventive-maintenance visit, and to report the position of every field unit in the monthly service report; a month in which a unit did not perform its restore test is a departmental cause	Headquarters restore-test record with hash verification; the field unit's restore-test line in its monthly certified return; the maintenance-visit verification record	0.5% per Headquarters test omitted, or failed and not remediated within 10 working days
SL-11	Support-desk acknowledgement and guided resolution	Ticket reference issued within 30 minutes of receipt within coverage hours, in not less than 98% of requests; and a guided resolution attempt made and recorded within the period for the class at Annexure I, Table I.4, or the request converted to an incident at the expiry of that period, in not less than 95% of requests	Ticket records; the guided-assistance note naming the officer assisted; the conversion record	0.25% per percentage point or part below target on acknowledgement; 0.25% per percentage point or part below target on guided resolution or conversion
SL-12	Service reporting and declined-request disclosure	Monthly service report and evidence pack by the fifth working day of the following month, listing every request declined as outside the boundary with its reason	Report submission record	0.25% per week or part late
SL-13	Spares despatch to a site with no on-site engineer	Despatched within 1 working day of diagnosis; delivered at the unit within 3 working days at Headquarters and at a Commissionerate, and 5 working days at a District	Despatch note and delivery signature at the unit	0.25% per despatch or delivery outside target
SL-14	Spares holding and consumable replenishment	Holding at not less than 5% of the deployed population of each class and not fewer than one of every class, restored within 15 working days of consumption, verified at final commissioning and once in each contract year; and no unit below two months of published consumption of any consumable, verified at each preventive-maintenance visit and reported in that unit's monthly certified return	Annual stock verification record; unit consumable check at the maintenance visit; the consumable line of the certified return	1% per annual stock verification at which the holding is short; 0.1% per unit at which any consumable class is below two months of published consumption at a maintenance visit
SL-15	Register maintenance, entitlement notice and deliverable rework	The asset register and the licence and entitlement register maintained and reconciled to the Bill of Materials, and the joint physical verification performed at 100% of the 76 units within each contract year; every entitlement-calendar notice issued not less than 90 days before the end of the currency period concerned; and a deliverable, register or report	Joint physical verification record per unit; the entitlement calendar and its	0.25% per unit not verified within the contract year; 0.5% per entitlement notice issued late or

Ref	Service level	Target	Measurement source	Credit, as a percentage of the Category A monthly invoice
		rejected on review reworked and resubmitted within 10 working days	issued notices; review record and resubmission	not issued; 0.25% per deliverable per week or part
SL-16	Training certification	Not less than 85% of the participants of a batch or cohort passing at first attempt; one re-run per failed batch or cohort at the System Integrator's cost, any further re-run being chargeable; three scheduled in-person intake weeks delivered in each contract year; and the trainer particulars required by Chapter 12, Section 12.8.1 furnished not less than 14 days before each batch or cohort	Batch or cohort result sheet, attendance verification record, the intake-week delivery record and the trainer particulars furnished	0.5% per batch or cohort failing after the re-run; 0.5% per intake week not delivered in the contract year; 0.25% per batch or cohort for which trainer particulars were not furnished within the period
SL-17	Power provisions and battery management	Witnessed capacity measurement at 100% of the 237 power provisions within each contract year; any battery measuring below 80% of rated capacity replaced at the supplier's cost within 15 working days of that measurement; runtime re-verified at the protected load within 5 working days of each replacement	Capacity measurement record and replacement record per provision; runtime re-verification record	0.25% per provision not measured within the contract year; 0.5% per replacement or re-verification outside target
SL-18	Software defect resolution	The workaround and correction periods at Chapter 10, Table 10.7 met in 100% of Critical defects and in not less than 95% of defects of each other severity, in each case in the month, the clock running from the Department's report throughout and not suspended by a representation under Chapter 10, SQ-3 or by a reference to the Technical Committee under it, and where a severity determination is altered on such a representation or on that advice the resolution obligation and the credit are recomputed on the class as altered; and a Critical defect affecting evidence integrity reported to the Department within 4 hours of the supplier becoming aware of it, with the affected cases identified within 7 working days	Open-defect register reconciled against the Department's report timestamps, the delivered corrected build and its re-issued tool-validation dossier	1% per instance of a Critical evidence-integrity defect not reported within 4 hours; 0.5% per Critical or High defect outside target; 0.1% per Medium or Low defect outside target

13.10 Human-resources service levels: the Headquarters cadre only

These service levels apply to the twenty contracted posts at Headquarters and to nothing else. There is no contracted post at any field unit, so no human-resources service level, severity or credit attaches to a field unit. Qualification floors, the examining designation and the replacement rule for each post are at Annexure M and the severity classes at Annexure I.

The manpower boundary is a condition of every post. Contracted personnel provide technical support, tool operation, documentation, bilingual assistance and refresher support at Headquarters, and supervised assistance only. That does not include delivery of the training programme at SV-03, which is discharged by trainers furnished under Chapter 12, Section 12.8.1 and additional to these twenty posts. Final forensic opinions, evidentiary conclusions, statutory certificates and report sign-off remain with authorised Government officers.

Table 13.4: Human-resources service levels, Headquarters cadre

Ref	Service level	Target	Measurement source	Credit, as a percentage of the Category B monthly invoice
HR-01	Posts filled	All twenty posts filled against the mobilisation profile at Chapter 8 and Chapter 11, Section 11.12: all twenty for the thirty-six months of the operations period, being programme months 16 to 52, and the nine posts required for Headquarters commissioning, the initial training programme and the referral function from programme month 6, no post being withdrawn before the close of the operations period; a vacancy filled within 15 working days by an equal-or-better resource meeting the Annexure M floor	Roster and deployment record	1% per examining post per week; 0.5% per non-examining post per week, beyond 15 working

Ref	Service level	Target	Measurement source	Credit, as a percentage of the Category B monthly invoice
				days
HR-02	Competency and verification	Every deployed resource meets the Annexure M floor and is background-verified before deployment; a resource not meeting it is withdrawn within 10 working days	Qualification and verification file	1% per instance
HR-03	Roster and attendance	The published roster maintained; the support desk staffed throughout its twelve-hour coverage window, the Documentation and Returns Officer being its sole relief; the evidence-custody and referral-register function staffed on a single shift	Attendance record	0.5% per post-week short
HR-04	Bilingual delivery	Every training session and every desk shift deliverable in Hindi and in English	Session and shift records; participant confirmation	0.5% per instance
HR-05	Substitution control	No named resource substituted without prior written departmental approval	Substitution approvals	1% per instance
HR-06	Documentation and returns	Monthly service report, tool-validation dossier updates and consolidation of unit returns delivered by the fifth working day of the following month	Submission record	0.5% per instance

13.11 The service-credit mechanism: one basis, two caps, percentages only

Table 13.5 states the mechanism and governs it. No credit is computed on contract value, on the value of an item or of a unit, or on any other base, and none presupposes a per-unit recurring billing line, because the payment structure at Chapter 8 creates none. There are two categories and no others. Category A is equipment, systems and services, comprising the monthly invoices for operations, maintenance and support, for spares and consumables, and for training delivery. Category B is manpower, comprising the monthly invoice for the Headquarters specialist cadre. Credits accrue on every occurrence, so a month in which a service level was attained at or above its stated percentage may still carry credits, and a bidder shall price on that per-occurrence basis.

Table 13.5: The service-credit mechanism

Element	Rule
Basis	A percentage of the amount invoiced for that month for the affected service category. One basis, applied to every service level without exception
Accrual	On every incident, request, visit, instance, provision or unit outside its clock or its stated obligation, in every month in which it occurs, whether or not the attainment percentage in the target column of Table 13.3 was met for that month. The attainment percentage governs the persistent-breach test below and nothing else
Vacant posts	A vacant post is not invoiced. The vacancy deduction is applied to the Category B amount for the month before any service credit is computed, so that an HR-01 credit is calculated on the reduced amount; it is not itself a service credit, does not count towards the Category B cap, and does not discharge the obligation to fill the post
Category A cap	Credits arising in any month against SL-01 to SL-18 shall not exceed 10 per cent of the Category A amount invoiced for that month. Where a service level is measured over a contract year, the credits arising against it are apportioned equally over the twelve months of that contract year for the purpose of this cap, so that an obligation measured annually is not capped as though it had been breached once. The cap does not limit the persistent-breach consequences below, which stand outside and in addition to it
Category B cap	Credits arising in any month against HR-01 to HR-06 shall not exceed 10 per cent of the Category B amount invoiced for that month
Interaction	None. The two caps are separate and non-cumulating; neither draws on the other, and a month's total is the sum of two independently capped amounts
Commencement	Unit-wise, from the site acceptance certificate of the unit concerned, save that credits against SL-16 commence at the training-laboratory acceptance certificate and credits against HR-01 to HR-06 commence at the mobilisation date of the post concerned at Annexure M, Table M.4
Determinati	Computed by the System Integrator in the monthly service report, verified by the Programme Management Unit and issued within 10 working days of the close of the measurement month

Element	Rule
on	
Dispute	Raised within 10 working days of issue, on evidence, and decided by the Programme Management Unit within a further 10 working days
Application	A credit determined and not disputed is set off against the next monthly invoice for the category concerned. A credit under dispute is withheld from that invoice pending the decision and is released or retained according to it. A credit outstanding at the end of the operations period is set off against the final tranche for the recurring services
Persistent breach	Breach of the same service level in three consecutive months, measured against its stated attainment percentage, escalates to the Apex Procurement Committee, outside and in addition to the caps, and may attract a written improvement plan with a deadline, encashment of performance security in part, or termination for default under Chapter 14. For SL-18 a second and independent test of persistence applies, taken from Chapter 10, SQ-9: three failures of the same resolution obligation in any rolling three-month period, or any single Critical defect unresolved beyond twice the period at Chapter 10, Table 10.7. Either test triggers the escalation
Exclusions	Departmental causes, being a unit not ready, access not granted, officers not released, the Controlled Internet Zone not provided, departmental inspection clocks exceeded, a crossing not performed at a unit after the System Integrator furnished the verified media or package, and a restore test not performed by the unit's own officers; together with force majeure notified and mitigated under Chapter 14, and maintenance windows agreed in writing in advance. There is no inter-unit link, and no exclusion is written or available for the failure of one
Standing	A credit is a price adjustment and not a remedy. It does not discharge the obligation, and the obligation survives the credit

13.12 Measurement, evidence and the monthly certified return

The measurement instrument for every field service level is the monthly certified return of the unit concerned, compiled at the unit, certified by the Unit In-charge and submitted by the fifth working day of the following month. Its limits bound reliance on it: self-reported and not independently verifiable between physical inspections; lagged by up to forty days; aggregate and not case-level; capable of transcription error; and reconcilable against an independent record only for the referred subset, against the referral register. A field measure is accordingly taken from the return reconciled against the System Integrator's ticket, despatch and visit records, and a discrepancy is resolved at the next physical inspection.

Table 13.6: Evidence required for a service-credit determination

Service level	Evidence that must be produced
SL-01 to SL-03	Headquarters monitoring data; ticket records with logging, restoration and closure timestamps; the unit's monthly certified return
SL-04 to SL-07	Ticket timestamps at logging, response, restoration and closure; the unit's countersignature on restoration; severity assignment and any revision; and, where the SL-04 clock was suspended, the recorded time of diagnosis, the despatch note and the delivery signature at the unit
SL-08	Signed unit visit record naming the officer present, items tested and results; the published annual schedule
SL-09	Crossing-register entry with hashes on write and on read and both sanitisation records, matched to the patch record; vulnerability assessment report and remediation record
SL-10	Restore test record identifying the artefact restored, the hash verification and the certifying officer; the maintenance-visit verification of the unit's restore-test records
SL-11, SL-12	Ticket records; the monthly service report with its declined-request list; submission record
SL-13, SL-14	Despatch note; delivery signature at the unit; stock verification record; consumable check from the maintenance visit
SL-15, SL-16	Review record and resubmission; attendance verification records, assessment sheets, batch result sheets and countersigned cascade assessments; the intake-week delivery record; the trainer particulars furnished under Chapter 12, Section 12.8.1
SL-17	Witnessed capacity measurement record per provision, stating the measured capacity against the rating; the battery replacement record; the runtime re-verification record taken at the protected load
SL-18	The Department's report of the defect with its timestamp; the open-defect register entry with the severity determined and the reasons; the workaround and the corrected build with its re-issued tool-validation dossier; and, for a Critical defect within Chapter 10, SQ-5, the four-hour report and the case identification furnished under it
HR-01 to HR-06	Roster and attendance records; qualification and background-verification files; substitution approvals; session and shift records; submission records
Configuration evidence	Configuration exports and baselines, and audit logs, where the breach or its absence turns on the state of a system

A credit is determined on evidence and not on assertion, by either party. Where the evidence required above is absent, incomplete or not reconcilable, the service level is treated as not met for the period concerned. Audit findings are an input to the determination, but credits are applied only against the published measurable targets in this chapter and never against a qualitative observation.

13.13 What the service levels do not promise

A service level measures whether equipment works, whether a fault is restored, whether a visit was made and whether a post is filled. It does not measure whether every case is fully examined: the estimated caseload exceeds what the delivered establishment can fully examine, and what is not fully examined is acquired, verified and preserved for examination on reclassification. That position is managed by the triage standard at Annexure C and the numeric re-sizing triggers at Chapter 3, Table 3.6, and not by a service credit; no credit produces an examination, and the constraint that binds at every tier and every load is examiner-hours and not machine-hours.

Two further measures indicate the Department's own operation and attract no service credit against the System Integrator, who neither classifies cases nor moves exhibits. The class time targets (seven working days to report a P1 case, twenty for P2, forty-five to a P3 summary, ten to acquire, verify and archive a P4 exhibit) are taken from the certified return, as is the transfer turnaround target of eleven working days of non-examination elapsed time per referred exhibit, measured from the referral register from the first month of operations.

13.14 Governance in operations, asset and licence management, and the independent audit

After final commissioning the Programme Management Unit verifies the monthly service report and the credit computation, chairs a monthly operations review with the Laboratory Head, and administers change control in operations; the Technical Committee reviews the consolidated quarterly return, the planning assumptions and the re-sizing triggers at Chapter 3, Table 3.6; and the Apex Procurement Committee accepts the annual capacity review and hears escalations under the persistent-breach rule. No body is created here that Chapter 5 does not define.

A single asset register records every item by identifier, serial number, unit, zone, configuration baseline, acceptance date and warranty or entitlement particulars, reconciled to the Bill of Materials and to the unit schedule at Annexure A. A licence and entitlement register records, for every licensed item, the period of currency under Chapter 10, Section 10.2.2 running from that unit's own acceptance; the date currency ends at each unit; the concurrency model; the activation mechanism; and the principal's undertaking lodged under Chapter 10, LC-6, every entitlement standing in the name of the Department. Assets are physically verified jointly at every unit once in each contract year.

At the end of its currency period an item continues to function in perpetuity, without updates, at no further cost, and the register records that position item by item. The entitlement calendar accordingly gives not less than ninety days' notice of the end of a currency period and not of a shutdown, and flags the six items at Chapter 10, Table 10.10 whose usefulness depends on a continuously refreshed dataset, so that the Department takes a timed decision on each on the record.

The Independent Auditor is appointed, administered and paid by the Department, outside the System Integrator's contract and its contract value, and holds no direction authority over the System Integrator, the Programme Management Unit or any unit: it finds, records and reports, and the Department decides. Independence is a continuing condition declared at appointment and maintained through the term, a conflict arising being declared within seven working days and resolved by replacement or re-appointment; the System Integrator provides access, records and assistance at no charge. The auditor reports quarterly on service-level measurement and the credit computation, including the open-defect register and the resolution obligations at Chapter 10, Table 10.7; the second and fourth reports of each year also cover zone separation, the crossing controls, register and log integrity and the authorisation register. It conducts an annual compliance audit and a

physical inspection programme under which every one of the seventy-six units is inspected at least once in each year of the operations period.

13.15 Exit, knowledge transfer and evidence-custody continuity

The exit deliverables below carry due dates in months of the operations period, and the final tranche for the recurring services is released only on their acceptance. A deliverable not submitted by its due date attracts a credit of 0.5 per cent of the Category A amount invoiced for that month, per deliverable, per week or part; the credit falls within the Category A cap and does not discharge the obligation. The performance security is maintained until every deliverable in Table 13.7 has been accepted and every non-conformance against it closed.

Table 13.7: Exit and knowledge-transfer deliverables

#	Deliverable	Due, in months of the operations period
E-1	Exit and transition plan, covering every service in Table 13.1	30
E-2	Written evidence-custody continuity plan for the years beyond the term	30, accepted by 33
E-3	As-built documentation, configuration baselines and configuration exports for all 76 units	33
E-4	Asset register and licence and entitlement register, reconciled, with all entitlements standing in the name of the Department and every principal's undertaking under Chapter 10, LC-6 held against the item it covers	33
E-5	Ticket history, service-level records, evidence packs and credit determinations for the full term	34
E-6	Tool-validation dossiers, known-answer datasets, validation results and the closing open-defect register, in which no defect of Critical or of High severity stands open beyond the resolution period for its class at Chapter 10, Table 10.7; a defect corrected is delivered as a corrected build with its re-issued tool-validation dossier under Chapter 10, SQ-8, and a defect open beyond its period is carried to E-9 as an unclosed non-conformance	34
E-7	Bilingual training material master copies, with an unrestricted departmental right to reproduce and adapt	34
E-8	Knowledge-transfer certification: a named departmental counterpart for every contracted function, nominated by the Department not later than month 24 and released for handover, with competency handover certified by the Laboratory Head against the published competency statement for the post. Where a counterpart is not nominated or not released, the deliverable is accepted for the posts for which counterparts were provided and the shortfall is recorded as a departmental cause	35
E-9	Final handover, stock reconciliation and closure certificate. It states the residual spares holding item by item, by class, serial number and condition, and records an offer of that holding to the Department at the item-wise schedule rates submitted before signature; it certifies that every one of the 76 units has been left with not less than two months of published consumption of every consumable class; and it includes the battery condition record for every one of the 237 power provisions	36

The evidence-custody continuity plan must state how evidence held at the seventy-six units is read, verified and produced after the contract ends: exported evidence and archival copies in open, non-proprietary formats with hash values and manifests; a documented media-refresh cycle with intervals, verification method and the responsible duty; the minimum hardware and software needed to read the archive; and a written, tested procedure by which an archived image is restored and hash-verified without any tool procured under this contract. It is tested at a sample of units before acceptance. The position beyond the contract term is at Chapter 14.

13.16 The programme envelope and the commercial terms expressed as percentages

The programme envelope is stated once, at Chapter 14, Section 14.2, inclusive of applicable taxes and of the operations period. This Request for Proposal carries no rate, no unit cost, no category subtotal and no capital or operating value, and no percentage in Table 13.8 is resolved to a value anywhere in it.

The service-credit caps originate in this chapter and are at Table 13.8. The other commercial percentages originate elsewhere and are not restated here: the performance security and the two turnover thresholds at Chapter 15; the liquidated-damages rate and its aggregate cap at Chapter 14, Table 14.6, applied against unit-

wise dates under Chapter 11 and recomputed where a variation alters contract value; the contingency at Chapter 14; and the per-line quantity variation at Chapter 9.

Table 13.8: Commercial terms expressed as percentages

Term	Percentage	Basis	Stated in full at
Service credits, Category A cap	10%	Of the Category A amount invoiced for the month	This chapter
Service credits, Category B cap	10%	Of the Category B amount invoiced for the month	This chapter

Recurring services, being operations, maintenance and support, spares and consumables, training delivery and the Headquarters specialist cadre, are paid monthly in arrears against a certified monthly service report, subject to the mechanism at Section 13.11, and commence unit-wise at site acceptance, save that training delivery commences at the training-laboratory acceptance certificate and is invoiced against delivery, and the Headquarters specialist cadre commences on the mobilisation dates at Annexure M, Table M.4, as Chapter 14, Section 14.5 states. A vacant post is not invoiced and no mobilisation advance is payable. Retention, defect liability, the price and tax bases, the limitation of liability and force majeure are at Chapter 14.

Chapter 14: Budget Envelope and Commercial Framework

14.1 Purpose and the financial rule that governs this Request for Proposal

This Request for Proposal carries quantities and percentages; it carries no rate, no unit cost, no tier cost, no category subtotal, no capital or operating value, no tax value and no financial chart. Prices on this programme are established by competitive bidding and by nothing else. Detailed estimates are maintained in a separate cost-estimate document, which is not part of this Request for Proposal and is not issued with the tender.

Where any discrepancy, inconsistency, ambiguity or conflict arises between any provisions of this Request for Proposal, or between this Request for Proposal and any annexure, corrigendum or clarification issued under it, the CIDAL Apex Procurement Committee reserves the authority to determine the meaning and implication of the provisions concerned. Its determination shall be issued in writing, shall be binding on all bidders and on the successful bidder, and shall be published to all bidders where it is issued before the bid due date. This authority is exercised in relation to the tender and its process. After the contract is entered into, a determination under this paragraph binds the Department's own officers and bodies in the administration of the contract, and does not displace the dispute-resolution procedure at Section 14.12; a determination with which the System Integrator does not agree is a matter it may refer under that Section.

Table 14.1: What this chapter states and what this Request for Proposal does not state anywhere

Stated	Not stated
The programme envelope, once, inclusive of applicable taxes and of the operations period; the cost-head structure by name and composition	Any unit rate, item rate, tier cost or per-unit package value; any amount, subtotal or share against any cost head
Payment milestones, retention, securities, damages and liability, as percentages and periods; the price basis, the tax basis and the variation mechanism	Any value released at any milestone; the value to which any percentage resolves; any capital, operating or tax value; any year-wise draw-down
The recurring requirement after the term, qualitatively	Any figure attached to that requirement

14.2 The programme envelope

The programme is proposed within an envelope of ₹100 crore, inclusive of applicable taxes and of the thirty-six-month operations period. That is the only figure in rupees appearing anywhere in this Request for Proposal.

The envelope carries the whole of the procurement at Chapter 9, including the ring-fenced reserve, together with the applicable taxes and duties on all of it. It does not carry the items at Table 14.2, which are departmental scope and require their own provision.

Table 14.2: Departmental scope, outside the programme envelope

Item	Why it is departmental scope	Consequence if not provided
Internet service in the Controlled Internet Zone at each of the 75 field units	An existing departmental service, provisioned and paid for departmentally	The unit is certified not ready and is deferred from its wave under Chapter 11
The room and its fabric, including civil works, air conditioning and lighting; physical security of the premises; and standby generation	The Department provides the basic infrastructure at every site; the System Integrator provides the technological equipment placed within it	Site readiness fails at Annexure H
The dedicated electrical supply at each unit, at not less than 3 kVA at a District, 4 kVA at a Commissionerate and 45 kVA at Headquarters, with the dedicated circuits and the earth resistance at Chapter 10, Section 10.5.1	The supply into the premises is departmental estate; the equipment placed on it and its own power protection are procured under this contract	Site readiness fails at Annexure H and the unit is deferred; a unit certified against any other figure is not ready
Departmental laboratory endpoints at Headquarters, being departmental desk machines outside the Bill of Materials	Departmental establishment, on the same footing as the Controlled Internet Zone endpoint; the System Integrator protects them at IN-07 but does not supply them	Site readiness fails at Annexure H and the protection position at IN-07 cannot be certified
Officers' time in training, and the departmental establishment operating the 76 units	Establishment expenditure, not procurement	The trained establishment on which the coverage position rests is not achieved
The second-phase capability requirement stated at Chapter 3	A separate investment decision on its own merits	The coverage position remains as published, and no more
The recurring requirement after the operations period	Arises after this contract ends and cannot be met from an exhausted envelope	Section 14.11

No scope published at Chapter 9 is withdrawn to fit the envelope, the contingency provision is not reduced to fund scope in any circumstance, and the technology-refresh and extended-warranty reserve at RS-01 is carried.

No unit rate is disclosed in the tender. The financial bid is a single consolidated price on the procurement platform, and the item-wise price schedule at Section 14.7 is submitted by the successful bidder alone after award.

14.2A The published figures, and where each is stated

Three figures in rupees govern this tender. One is stated in this Request for Proposal; the other two are published with it, in figures, in a single numbered schedule titled "Published Figures for this Tender", issued as an attachment to this tender on the Government e-Marketplace and forming part of it. No other figure in rupees is published, and no figure is to be derived from any other.

Table 14.2A: The published figures and where each is stated

#	Figure	Where stated
1	The programme envelope	Section 14.2 of this Request for Proposal, and repeated in the Published Figures schedule
2	The estimated bid cost, as defined at Table 14.3	The Published Figures schedule
3	The amount of the programme envelope available for this contract, as defined at Section 14.8	The Published Figures schedule

The Published Figures schedule additionally states, in figures and computed from the estimated bid cost, each of the following, so that no bidder is required to perform the computation and no two bidders can perform it differently: the bidder's average annual turnover threshold at Chapter 15, Table 15.3; the past-performance values at each of the three pathways at Chapter 15, Table 15.2; the abnormally low bid threshold at Chapter 16, Section 16.6; and the minimum sum insured for the public liability insurance required at Section 14.10. Where a figure so stated and the percentage from which it is computed appear to differ, the percentage governs and a corrigendum is issued.

Where the estimated bid value field of the Government e-Marketplace carries a figure, that figure is the estimated bid cost at row 2, and the Department shall ensure that it is so populated.

14.3 The three money bases

Three bases are used, and two derived quantities are computed from the second of them: the contract value attributable to the capability items and implementation for a given unit, from which the payment milestones, the withholdings and liquidated damages are computed; and the amount invoiced for a month for a service category, from which service credits are computed. Each percentage attaches to exactly one base or one derived quantity and is never applied to another, and no percentage in this Request for Proposal sits outside the register at Table 14.3 or those two derived quantities.

Table 14.3: The three money bases

Basis	What it is	Stated in figures where	Percentages attaching to it
Estimated bid cost	The estimated value of the procurement to be placed under this contract, inclusive of all applicable taxes and duties, being the whole of the Bill of Materials at Chapter 9 other than SV-05, which the Department appoints and pays outside this contract, and RS-01, which is a ring-fenced departmental provision drawn only on written departmental approval. It excludes the contingency at Section 14.4, which is computed upon it and held outside the contract, and it lies within the programme envelope	In figures in the Published Figures schedule issued with this tender under Section 14.2A; nowhere in this Request for Proposal	The bidder's average annual turnover and the principal's average annual turnover; the past-performance thresholds; the contingency provision; the abnormally low bid threshold at Chapter 16, Section 16.6
Contract value	The sum payable to the System Integrator under the contract, being the accepted bid price, as varied under Section 14.9	In the contract	Performance security; liquidated-damages aggregate cap; limitation of liability; subcontracting cap
Project cost	The whole cost the State incurs to deliver the outcome: contract value together with the departmental scope at Table 14.2 and the establishment that operates the units	Nowhere; the distinction is stated qualitatively	None

Project cost exceeds contract value, and a percentage attaching to one is never applied to the other.

14.4 The cost-head structure

The cost heads are a taxonomy: described by composition and character, not valued.

Table 14.4: Cost-head structure

Head	Composition	Identifiers	Character
Capability items: hardware	Headquarters compute, storage and backup; analysis workstations at laboratory and field grade; the acquisition and processing node; bench imagers; on-scene response kits	HW-01 to HW-07	Capital, with warranty inside the term
Capability items: software	Host, mobile and telecom suites; the authorisation-gated capabilities; investigation and analytics tooling; the unit-local Case and Evidence Management System	SW-01 to SW-13	Capital at acquisition. Each item's three-year currency period runs from the site acceptance of the unit at which it is deployed and expires inside the contract term; perpetual operation follows at no further cost and creates no recurring entitlement charge
Capability items: infrastructure	Headquarters zoning, switching, cabling and racks; field-unit local cabling and switching; the thirty-position training laboratory; electrical, environmental and furnishing works; evidence cabinets; the unit-level power provision; the per-machine power provision at every examination and processing machine	IN-01 to IN-08	Capital
Services	Implementation, rollout and site commissioning; operations, maintenance and support, including battery management across the power provisions; training delivery; spares and consumables; independent audit and programme-management support	SV-01 to SV-05	SV-01 capital in character; SV-02 to SV-05 recurring across the operations period
Manpower	The Headquarters specialist cadre of twenty posts	MP-01	Recurring. All twenty posts run for the thirty-six months of the operations period, being programme months 16 to 52, and the nine posts required for Headquarters commissioning, the initial training programme and the referral function run from programme month 6, being 810 post-months in all; invoiced monthly in arrears against the posts actually filled
Reserve	Technology-refresh and extended-warranty reserve	RS-01	Contingent, drawn only on written departmental approval
Contingency	Provision against estimating variance on the heads above	None	Contingent, held outside the contract

Contingency is carried at 5 per cent of the estimated bid cost, against estimating variance. It is not a scope allowance, is not available to the System Integrator, is drawn only on written departmental approval, and is not reduced to fund scope in any circumstance.

The reserve at RS-01 is ring-fenced and drawn only on written departmental approval, earmarked for extending hardware warranty coverage inside the contract term. It is not available for scope addition, any part undrawn lapses at the end of the term, and it defers part of the hardware element of the requirement at Section 14.11.

14.5 The payment structure

Payment is expressed entirely in percentages, applied to the contract value attributable to the capability items and implementation for the units concerned, and determined from the item-wise price schedule at Section 14.7. It does not attach to the recurring heads at SV-02, SV-03, SV-04 and MP-01, which are paid monthly in arrears. This is the structure at Chapter 8 and there is no other.

Table 14.5: Payment milestones, expressed as percentages of the contract value attributable to the capability items and implementation for the units concerned

#	Milestone	Basis of measurement and release	Percentage
M1	Mobilisation	No advance is payable on any account	0%
M2	Delivery at the unit and delivery inspection passed	Per unit, on the delivery inspection record for that unit closed under Chapter 18, Stage B, invoiced in batches of not fewer than ten units, or in one batch for the whole of a wave where that wave carries fewer than ten units, against a bank guarantee equal to the amount released and valid until final commissioning	50%
M3	Installation, configuration verification and site	Per unit, on the site acceptance certificate issued under Chapter 18	25%

#	Milestone	Basis of measurement and release	Percentage
	acceptance		
M4	Wave acceptance	Per wave, on the wave acceptance certificate for the wave in which the unit falls	15%
M5	Final commissioning	On the final commissioning certificate across all 76 units, which also releases the delivery-stage guarantees	10%

Five rules govern it. No mobilisation advance is payable on any account. The delivery-stage release is secured by an unconditional and irrevocable bank guarantee from a scheduled commercial bank in India, in the published format, equal to the amount released and valid until final commissioning. The recurring services are paid monthly in arrears against a certified monthly service report, subject to the service-credit mechanism at Chapter 13. Operations, maintenance and support (SV-02) and spares and consumables (SV-04) commence unit-wise at that unit's site acceptance. The Headquarters specialist cadre (MP-01) commences on the mobilisation dates at Annexure M, Table M.4. Training delivery (SV-03) commences at the training-laboratory acceptance certificate and is invoiced against delivery: the initial programme in eight equal monthly instalments across programme months 5 to 12 against the batch and cohort delivery record for the month, and the sustaining programme monthly thereafter to the close of the operations period. Every gate is a named certificate issued under Chapter 18 against a published test, and no payment turns on an audit or opinion this Request for Proposal does not define. Acceptance and payment proceed wave by wave, so a unit deferred on a not-ready certification neither defers nor reduces payment for units already accepted.

The service-credit basis is that at Chapter 13, Section 13.11, and the attainment percentage published there governs the persistent-breach test and nothing else; no month is exempted from credits by an attainment figure.

MP-01 is invoiced monthly in arrears against the posts actually filled in that month: twenty posts for the thirty-six months of the operations period, being programme months 16 to 52, and the nine posts required for Headquarters commissioning, the initial training programme and the referral function from programme month 6, being 810 post-months in all. A vacant post is not invoiced, and the deduction for vacancy is applied to the invoice before any service credit is computed.

14.6 Licensing, quality, retention, securities and defect liability

Software licensing and continuity of operation is a condition of contract. The clause at Chapter 10, Section 10.2.2 is a term of this contract in the whole of its extent, binds every software item without exception, and is not open to qualification, exclusion, reservation or negotiation by a bidder. Four commercial consequences follow, and they govern what a bidder prices.

First, the price quoted is the whole price of the entitlement. No further sum falls due on any account for the continued operation of a delivered item after the currency period, and no renewal, reactivation, transfer, reinstatement or support-reinstatement charge is payable for continued operation. A bid conditional on any such payment is non-responsive.

Second, the principal's written undertaking is a bid-responsiveness requirement. For every software item offered, the bidder furnishes with the technical bid a written undertaking from the principal of that item, naming this tender, confirming requirements LC-1 to LC-5 at Chapter 10 without qualification, and signed by a person authorised to bind the principal. This is submission SB-13; an item offered without it is not evaluated, and where that item is mandatory the bid is non-responsive. Its presence is verified at Section 15.8 and its content tested under Chapter 16.

Third, continuity of operation survives the operations period, the expiry of support, the exhaustion of the currency period and termination of the contract for any cause, and the exit, knowledge-transfer and evidence-custody continuity obligations at Chapter 13 are read with it.

Fourth, for the six items named at Chapter 10, Table 10.10 the value of the item lies in a dataset or a capability set that must be continuously refreshed, and continued operation does not preserve investigative currency. The commercial consequence is at Section 14.11.

Software quality and defect liability run for the whole contract term and carry no charge to the Department. Every obligation at Chapter 10, Section 10.2.3 is a term of this contract in its whole extent and without

qualification, including the resolution clocks running from the Department's report of the defect and not from the supplier's acknowledgement of it. Persistent failure to meet the resolution obligations is a service-level breach under Chapter 13 and attracts the service credits there.

No separate retention money is deducted from any payment. Retention is achieved by the structure of the payments and by the securities already lodged.

Table 14.6: Securities and withholdings, as percentages and periods

Instrument	Percentage	Basis	Period and release
Performance security	5%	Of contract value	Lodged within 21 days of the award letter and before contract signature; recomputed on the altered contract value and topped up within 21 days of a written variation order under Section 14.9; valid until 60 days after the end of the operations period; released on issue of the closure certificate at Chapter 13, deliverable E-9, and on the closure of every non-conformance
Delivery-stage bank guarantee	100%	Of the amount released at M2	Valid until final commissioning; released on the final commissioning certificate
Value withheld beyond site acceptance	25%	Of the contract value attributable to the capability items and implementation for that unit, being M4 and M5	Released on wave acceptance and on final commissioning respectively
Value withheld until final commissioning	10%	Of the value attributable to the unit, being M5	Released on the final commissioning certificate
Liquidated damages	0.5% per completed week	Of the value attributable to the affected unit, accruing against unit-wise dates	Applied at invoice; aggregate cap below
Liquidated damages, aggregate cap	10%	Of contract value	Recomputed on the altered contract value where a variation under Section 14.9 alters it

Guarantee validity and the claim period. Every bank guarantee furnished under this contract carries a validity date and a claim date. The claim date is the date falling twelve months after the validity date, and that period applies to every guarantee furnished under this Request for Proposal. The issuing bank undertakes to extend both dates on the Department's written request, and a failure to extend on request entitles the Department to invoke the instrument. A guarantee furnished with a claim period shorter than twelve months, or with the claim date left blank, is not accepted, and the defect is curable within a period the Department states in writing of not less than seven working days.

Defect liability runs with the warranty obligations at Chapter 13 and with the obligations at Chapter 10, Section 10.2.4. Every entitlement and warranty period begins on the site acceptance of the unit at which the item is deployed and never on despatch, so that an item delivered to an early wave does not exhaust its cover while later waves are still being built. Battery management across the two hundred and thirty-seven power provisions is an obligation within operations and maintenance at SV-02 and not a variation, on the terms and at the figures stated at Chapter 13, Section 13.6 and measured at SL-17. An item found at any time to be other than new, unused and of current production at bid date, or to be refurbished, demonstration, open-box, remanufactured or grey-market, is replaced at the System Integrator's cost whatever the elapsed period.

14.7 The price basis

The price is firm for the full term. No escalation is payable on any account: not for input cost, exchange rate, supply chain, or any change in the cost of a component, a licence or a person. Statutory changes in taxes and duties pass through at actuals, in both directions, against documentary proof, from the effective date of the change: an increase is payable and a reduction is recoverable, and neither is a variation. The pass-through operates in accordance with the general terms and conditions of the Government e-Marketplace, and Section 14.8 states the baseline from which the change is computed.

Before contract signature the successful bidder submits an item-wise price schedule summing exactly to the accepted bid price, against the identifiers at Chapter 9. It is the rate basis for every variation, deletion,

replacement and calculation of a value attributable to a unit; it is not published, is not disclosed to any other bidder, and does not alter the accepted bid price.

14.8 The tax basis

Bids are quoted inclusive of all applicable taxes and duties, with the tax component shown separately. The inclusive figure is the bid, is evaluated, and becomes the contract value; an error in the split does not alter the bid and confers no claim. The split has no effect on the evaluated price, and one effect only thereafter: the rates and taxable values it declares are the baseline from which a statutory change is computed at actuals under Section 14.7. Where the split is absent or is shown to be wrong, the baseline is the rate lawfully applicable at bid date. A bid whose inclusive total exceeds so much of the programme envelope as is available for this contract is rejected; that amount is the envelope less the contingency at Section 14.4, less SV-05 and less RS-01, each held or paid outside this contract, and is stated once, in figures, in the Published Figures schedule issued with this tender under Section 14.2A. Statutory deductions at source are not additional to the contract value, and a bidder claiming a concessional or exempt rate bears the consequence of that claim proving incorrect.

14.9 Quantity variation

Quantities at Chapter 9 are firm, subject to a variation of up to 25 per cent of the published quantity of a line item, upward or downward, at the Department's option, exercised in writing up to final commissioning and priced at the item-wise schedule rates at Section 14.7. The 25 per cent limit applies to each line item separately, and there is no aggregate cap on variation.

Where a variation alters the contract value, the value as varied is the basis of every percentage attaching to contract value. The performance security and the aggregate cap on liquidated damages at Table 14.6 are recomputed on it, and where the recomputation increases the performance security the System Integrator lodges the additional amount, in the same form and from an issuing bank, within twenty-one days of the written variation order; where it reduces it, the excess is released within the same period.

A variation within the per-line limit attracts no consequential claim and no re-pricing of any other line. One beyond that limit is a matter for negotiation and, if not agreed, is not made.

14.10 Commercial risk allocation

Table 14.7: Allocation of commercial risk

Risk	Borne by	Instrument
Input cost, exchange rate and supply-chain movement	System Integrator	Firm price, Section 14.7
Change in statutory taxes and duties	Department	As per the Government e-Marketplace general terms and conditions, read with Sections 14.7 and 14.8
Late delivery or late acceptance against a unit-wise date	System Integrator	Liquidated damages at the rate and cap in Table 14.6
Service failure during operations	System Integrator	Service credits under Chapter 13, computed on the amount invoiced for the month for the service category concerned, within two separate non-cumulating caps
Expiry, deactivation, disablement or withdrawal of a software entitlement at any time, whether during or after the term	System Integrator, and through it the principal	The licensing and continuity clause at Chapter 10, Section 10.2.2, as a condition of contract at Section 14.6; the principal's undertaking furnished at bid; verification with every external interface disconnected at the proof of concept, at acceptance and at each annual maintenance visit
Defect in software supplied, of any severity and whatever version introduced it	System Integrator	The quality and defect-liability clause at Chapter 10, Section 10.2.3; correction at no cost for the whole term; service credits under Chapter 13 on persistent failure
Failure of a machine to sustain the specified workload	System Integrator	The concurrent high-load acceptance test at Chapter 10, Table 10.17, run on every delivered machine; a machine failing any pass condition is corrected or replaced and re-tested in full
Loss of investigative currency in the six items at Chapter 10, Table 10.10 after the currency period	Department	A recurring provision from the fourth year, Section 14.11

Risk	Borne by	Instrument
Battery degradation across the power provisions inside the term	System Integrator	Annual capacity measurement and replacement at cost under SV-02, Section 14.6
Site not ready on a departmental certification, including against the numeric electrical figures at Chapter 10, Section 10.5.1	Department	Deferral without damages and re-sequencing, Chapter 11
Departmental delay in inspection, certification, approval, release of officers or supply of test material	Department	Obligations tolled; no damages and no credits for the affected units; automatic escalation
Failure of a departmental dependency at Table 14.2	Department	Outside the contract; the affected unit is deferred
Loss or compromise of evidence	System Integrator	Excluded from the limitation of liability
Loss of or damage to goods in transit or in storage before site acceptance, and liability to third parties arising from performance	System Integrator	Insurance under Section 14.10, with the Department as loss payee on transit and storage cover
Force majeure	Neither, for its duration	Relief and, beyond the stated period, termination

Limitation of liability. The System Integrator's aggregate liability is capped at 100 per cent of contract value as varied under Section 14.9. Liquidated damages under Table 14.6 count towards that cap and are separately capped at 10 per cent of contract value. Service credits under Chapter 13 are price adjustments and do not count towards it. Excluded from that cap, and unlimited, are wilful misconduct, fraud, breach of confidentiality, infringement of a third party's intellectual property rights, and loss or compromise of evidence. The confidentiality obligation, the intellectual property provisions and the indemnities that those exclusions presuppose are at Section 14.12, and the indemnity in respect of the persons the System Integrator engages is at this Section; each of them stands outside that cap and survives the expiry or termination of the contract.

Force majeure. An event beyond the reasonable control of the affected party, notified in writing within seven days, relieves that party of the obligations it prevents for so long as it prevents them, subject to a continuing duty to mitigate. Where it persists beyond ninety days either party may terminate on written notice.

Insurance. The System Integrator shall take out and maintain, at its own cost and with an insurer registered with the Insurance Regulatory and Development Authority of India, and shall procure that every approved subcontractor maintains, insurance of the following classes, and shall produce the policies and the evidence of premium payment to the Programme Management Unit before the first despatch and thereafter on each renewal and on request.

Marine and inland transit insurance covering every consignment from the staging facility to delivery at the unit, on all-risks terms, for not less than the full replacement value of the consignment, with the Department named as loss payee, maintained until the delivery inspection for that consignment is complete.

Storage and erection insurance covering the goods at the staging facility and at each unit from delivery until the site acceptance certificate for that unit, for not less than the full replacement value.

Public liability insurance covering death of or injury to any person and loss of or damage to any property arising out of the System Integrator's performance, for not less than the sum stated in the Published Figures schedule issued under Section 14.2A, maintained for the whole of the term, with the Department named as an additional insured.

Workmen's compensation and employer's liability insurance, and every other insurance required by law in respect of the persons the System Integrator engages, maintained for the whole of the term.

A deductible under any policy is borne by the System Integrator. Insurance does not limit the System Integrator's liability under the contract, and a loss that is uninsured, underinsured or not recovered under a policy remains the System Integrator's. Failure to maintain any insurance required by this clause is a breach for which the Department may itself effect the insurance and recover the cost from any amount due to the System Integrator or from the performance security.

Departmental delay. Delay attributable to the Department (site readiness, approvals, inspection availability, release of officers for training, or supply of test material) tolls the System Integrator's obligations and damages exposure for the affected units, attracts no service credits, and escalates automatically to the Apex Procurement Committee.

Subcontracting. The contract is with a single accountable counterparty. Defined work packages may be subcontracted with the Department's prior written approval, to not more than 30 per cent of contract value. A bidder declares with its bid every work package it proposes to subcontract and the percentage of contract value it represents; an undeclared package is approved after award only on the Department's written approval and within the same cap. Every approved subcontractor executes the integrity-pact commitment and the audit-rights flow-down in the format at Annexure N, Q-15, before commencing work. The System Integrator remains wholly responsible as if it had performed the work itself, and its integration, single-point-of-contact and reporting obligations are not subcontractable.

The persons the System Integrator engages. Every person the System Integrator or an approved subcontractor engages in the performance of the contract, including every holder of a post at MP-01, is engaged by and remains the employee, agent or contractor of the System Integrator or that subcontractor, and of no other person. No such person is or becomes an employee, workman, agent or appointee of the Department, of the Uttar Pradesh Police or of the Government of Uttar Pradesh; none acquires any right to appointment, absorption, regularisation, seniority, pension or any other benefit of departmental service; and none is entitled to any payment from the Department. The System Integrator shall inform every such person of this position in writing before deployment and shall produce that acknowledgement on request.

The System Integrator shall comply, and shall procure that every approved subcontractor complies, with every law relating to the persons it engages, including the Contract Labour (Regulation and Abolition) Act, 1970 and the rules under it, the Employees' Provident Funds and Miscellaneous Provisions Act, 1952, the Employees' State Insurance Act, 1948, the law relating to minimum wages, and every law relating to the payment of wages, working conditions and the safety and welfare of workers. It shall obtain and maintain every registration and licence required of it, shall produce them to the Programme Management Unit before deployment and on each renewal, shall make every statutory payment and deduction when due, and shall furnish monthly with its invoice the evidence of payment for the month preceding, in the form the Programme Management Unit specifies. Payment of an invoice for the specialist cadre is conditional on that evidence.

The System Integrator indemnifies the Department against every claim, demand, proceeding, liability, penalty, cost and expense arising from a failure to comply with this clause or from any claim made by or in respect of a person it or an approved subcontractor engages, and that indemnity is excluded from the limitation of liability at this Section and survives the expiry or termination of the contract.

Transition of the cadre. Nothing in this contract, and nothing at Section 14.11, obliges the Department to engage, appoint or absorb any person the System Integrator engages. Where the Department creates departmental posts corresponding to functions performed under MP-01, appointment to them is made under the rules governing departmental recruitment and by no other route, and the knowledge-transfer obligations at Chapter 13 are discharged to the departmental counterpart nominated under deliverable E-8 and not by the transfer of any person's engagement.

Termination. The Department may terminate for default where a breach is not cured within thirty days of written notice, where breach of the same service level persists for three consecutive months under Chapter 13, where an integrity-pact undertaking is breached, where a declaration furnished under Annexure N is found to be false, or where the System Integrator or, in a consortium, any member becomes subject to an insolvency, liquidation or winding-up proceeding that is admitted; and for convenience on ninety days' written notice.

On a termination for default the Department may forfeit the performance security in whole or in part; may complete the unperformed scope itself, or procure its completion from any other person, and recover from the System Integrator every cost by which the cost of that completion exceeds the amount that would have been payable under this contract for the same scope, together with every cost of procuring it; and may recover any such amount from any sum due to the System Integrator, from the performance security, from the delivery-stage guarantees, or as a debt. No claim for anticipated profit lies on a termination for default.

On a termination for convenience the Department pays for work completed and accepted and goods delivered and inspected up to the date of termination, and no more; no claim for anticipated profit lies.

On any termination, whenever it occurs, the System Integrator shall, for a transition period of not more than one hundred and eighty days from the date of the notice, continue to perform every obligation the Department

directs it in writing to continue, on the terms and at the rates of the item-wise price schedule at Section 14.7; shall deliver to the Department, within thirty days, every entitlement artefact and every spare entitlement article for every item delivered, the asset register, the licence and entitlement register, the as-built documentation and configuration baselines for every unit accepted, every tool-validation dossier, the open-defect register, the ticket history and every principal's undertaking under Chapter 10, LC-6; shall deliver to the Department, within thirty days, so much of the material at Chapter 13, Table 13.7 as exists at that date, whether or not its due date has arrived; shall assign to the Department, at the Department's option and so far as it lawfully may, any subcontract or supply arrangement the Department nominates; shall grant a replacement contractor access to every unit, record and system necessary for it to take over, and shall co-operate with it; and shall return every article of departmental property in its possession. The continuity of operation of every delivered software item under Section 14.6, the confidentiality obligation, the indemnities, the audit rights, the intellectual property provisions and the evidence-custody continuity obligations at Chapter 13 survive any termination. The performance security is not released until every obligation in this paragraph is discharged.

14.11 The recurring requirement that arises after the contract term

Software support, hardware maintenance and the specialist cadre are all exhausted by the end of the thirty-six-month operations period, and nothing in the contract carries any of them one day beyond it. The service heads end on that date and the specialist cadre ends at programme month 52, no post being carried beyond it. The three-year entitlements end unit by unit, each running from the site acceptance of the unit at which the item is deployed, so that the last of them expires no later than that date and the earlier waves lose their cover before it, the operations and maintenance head at SV-02 carrying the estate until that head itself ends.

The software itself does not expire. Under the licensing and continuity clause at Chapter 10, Section 10.2.2 every delivered software item continues to function in perpetuity, at no further cost, requiring no renewal and no act of any party, and the Department retains the right and the technical means to read, search and export its own records in open formats for as long as it holds them. What the six items declared at Chapter 10, Table 10.10 nevertheless lose is currency.

A requirement arises from the fourth year, and must be budgeted. It has three heads.

- Currency of the six declared items, being SW-03 mobile forensic acquisition and analysis, SW-04 authorisation-gated advanced access, SW-05 lawful cloud and account acquisition, SW-08 online and anonymised-network investigation, SW-09 virtual-asset and distributed-ledger analytics and SW-11 media authenticity and synthetic-media analysis. Renewal of these six is unavoidable if the capability is to remain useful.
- Maintenance of the delivered hardware estate. Every unit's warranty runs out on its own clock, three years after that unit's own site acceptance, so that by the close of the term the whole estate at seventy-six sites stands without cover and without the maintenance head that carried it; and the battery population of the power provisions continues to age after the replacement cycle that falls inside the term.
- Continuation of the specialist cadre, without which the operating knowledge of the Headquarters capabilities disperses with it.

That requirement is not provided for inside the programme envelope, and no part of this Request for Proposal may be read as making provision for it.

A recurring budget line must therefore be created not later than eighteen months before the end of the operations period, so that sanction is in place before that period ends and before the trigger below is reached. The trigger is the absence of sanction twelve months before that date, reported to the Apex Procurement Committee in the month in which it is crossed.

Two measures inside the contract reduce that requirement and neither removes it: extended hardware warranty purchased from the reserve at RS-01, which defers part of the hardware element, and the creation and filling of departmental posts corresponding to the cadre functions during the term, under the rules governing departmental recruitment, which the knowledge-transfer obligations at Chapter 13 support.

14.12 The contract documents, governing law, confidentiality, intellectual property, indemnity and the resolution of disputes

The contract documents and their order of precedence. The contract comprises, and is to be read in the following order of precedence, the higher prevailing over the lower in the event of conflict: the contract agreement and the letter of award, together with any variation order or amendment executed by both parties; this Request for Proposal with its annexures, as amended by every corrigendum and clarification published before the bid due date; the general terms and conditions of the Government e-Marketplace as applicable on the date of publication of this tender; and the successful bid, so far as it is not inconsistent with anything above it. A term of the successful bid that is inconsistent with this Request for Proposal has no effect, and no specification, description or undertaking drafted by a bidder is carried into the contract in the bidder's own words.

Governing law. The contract is governed by, and is to be construed in accordance with, the laws of India.

Confidentiality. The System Integrator, every consortium member, every approved subcontractor and every person any of them engages shall hold in confidence all information of the Department to which they have access in connection with the contract, including case material, exhibit and custody records, reports, registers, logs, configuration baselines, network topologies, the item-wise price schedule and the contents of the procurement dossier, and shall not disclose, copy, publish, transmit or use any of it for any purpose other than performance of the contract. The obligation does not extend to information that is in the public domain otherwise than through a breach of this clause, or whose disclosure is required by law, in which case the System Integrator gives the Department the earliest practicable written notice before disclosing. The System Integrator shall procure that every individual it deploys executes a confidentiality undertaking in favour of the Department before deployment, and shall produce those undertakings on request. Case material is never removed from a unit, and no evidential artefact, forensic image, working copy or derived intermediate is copied, exported, transmitted or retained by the System Integrator or any person it engages in any circumstance. This clause survives the expiry or termination of the contract for any cause, without limit of time.

Intellectual property in what is supplied. The Department acquires no ownership of the intellectual property in a proprietary item supplied under the contract, and acquires in respect of every such item the perpetual entitlement at Chapter 10, Section 10.2.2, which is not affected by expiry or termination of the contract for any cause. The System Integrator warrants that it holds every right necessary to supply each item to the Department and to grant the entitlement the contract requires, and that the supply and use of each item in accordance with the contract does not infringe the intellectual property rights of any person.

Intellectual property in what is created. Every document, drawing, configuration export, baseline, register, dossier, dataset, record, report and training material created for the Department under the contract, and every derivative of any of them, vests in the Department on creation, together with the right to use, reproduce, adapt, translate and disclose it without further payment, for the life of the asset and beyond the contract term. The System Integrator waives, and procures the waiver of, every moral right in any of them so far as the law permits. The Department's own data in every item is the Department's, in perpetuity, on the terms at Chapter 10, LC-5.

Indemnities. The System Integrator shall defend, indemnify and hold harmless the Department, the Governor of Uttar Pradesh and every officer of the Department against every claim, action, proceeding, demand, loss, damage, cost and expense, including reasonable legal costs, arising out of or in connection with: any claim that an item supplied, or its use in accordance with the contract, infringes the intellectual property rights of any person; the death of or injury to any person, or loss of or damage to any property, caused by the System Integrator or by any person it engages; any breach of the confidentiality obligation above; any claim by or in respect of a person the System Integrator engages, whether as employee, contractor or otherwise, including a claim relating to wages, benefits, statutory dues, termination or regularisation of service; and any loss or compromise of evidence caused by the System Integrator or by any person it engages. Where a claim of infringement is made or threatened, the System Integrator shall at its own cost either procure for the Department the right to continue using the item on the terms the contract requires, or replace it with an item of equivalent or better capability that does not infringe and that satisfies every published requirement and acceptance test for the item replaced; and it shall not settle any claim on terms that impose an obligation on

the Department without the Department's prior written approval. The indemnities in this clause are excluded from the limitation of liability at Section 14.10 and survive the expiry or termination of the contract for any cause.

Notices. Every notice, approval, certificate, determination, demand or other communication under the contract is in writing, in English, and is delivered by hand against acknowledgement, by registered post or speed post, or by electronic mail to the address notified for the purpose. A notice sent by electronic mail takes effect on the working day following its transmission, unless earlier acknowledged. Each party notifies its address and its authorised recipient before the effective date of the contract and notifies any change not less than seven working days before it takes effect.

Resolution of disputes. A dispute arising out of or in connection with the contract is dealt with in three steps, and no step is skipped.

First, the party raising it serves a written notice of dispute stating the matter, the provision relied on and the relief sought. The Programme Management Unit and the System Integrator's project manager confer within ten working days of that notice and record the outcome in writing.

Second, a dispute not resolved at the first step is referred within ten working days to the Programme Director and to a director or equivalent officer of the System Integrator, who confer within a further fifteen working days and record the outcome in writing.

Third, a dispute not resolved at the second step is referred to mediation under the Mediation Act, 2023, before a mediator agreed between the parties within fifteen working days of the reference or, failing agreement, appointed on the application of either party under that Act. The mediation is conducted at the place at which the office of the Programme Director is situated. A settlement agreement arrived at in mediation is recorded, signed and enforceable in accordance with that Act.

Jurisdiction. A dispute not settled at the third step is subject to the exclusive jurisdiction of the courts having territorial jurisdiction over the office of the Programme Director, Cyber Investigation and Digital Assistance Lab, and of no other court. Nothing in this Section prevents either party from applying to those courts at any time for an interim or protective order, or prevents the Department from invoking any bank guarantee lodged under this contract at any time and without reference to any step of this Section.

Performance during a dispute. The System Integrator continues to perform every obligation under the contract while a dispute is pending, and the Department continues to pay every amount not in dispute. A dispute is not a ground for suspension of performance by either party.

Assignment and change of control. The System Integrator shall not assign, transfer, charge or otherwise deal with the contract or any right or obligation under it, in whole or in part, without the Department's prior written approval. A change in the control of the System Integrator, or in a consortium of the lead member or of any member, is notified to the Department in writing within fifteen days of its occurring, together with the particulars of the person acquiring control; the Department may within sixty days of that notice require the System Integrator to demonstrate that the contract continues to be performable on the same terms and that no ground of ineligibility at Chapter 15 has arisen, and where it is not so satisfied it may terminate for default. The Department may assign the contract to any department, authority or body of the Government of Uttar Pradesh on written notice.

Waiver. No forbearance, indulgence, delay or omission by the Department in exercising a right operates as a waiver of that right or of any other, and no waiver is effective unless in writing and signed by the officer competent to give it. A waiver on one occasion does not extend to any other.

Severability. Where a provision of the contract is held to be invalid or unenforceable, that provision is severed to the extent of the invalidity and the remainder continues in force, and the parties shall substitute a valid provision achieving so nearly as may be the same lawful effect.

The whole agreement. The contract documents listed in this Section contain the whole of what is agreed between the parties in respect of their subject matter, and supersede every earlier representation, proposal, correspondence and understanding. Nothing in this paragraph excludes liability for a fraudulent

misrepresentation, or affects any declaration furnished under Annexure N, each of which is a continuing statement on which the Department relies.

Chapter 15: Prequalification Criteria

15.1 Purpose and the principle applied

This chapter is applied at stage 4 of the bid process at Chapter 2. The apparatus around the thresholds is discretionary and is drawn wide, so that competition is not narrowed: a seven-year look-back, ongoing works admitted, alternative proof where a formal certificate cannot be obtained, and a definition of similar service that reflects the market as it is.

The thresholds fixed by the Government Order cited at Table 2.2 are the past-performance thresholds at Table 15.2. Those are not the procuring entity's to relax and are stated as they stand. The bidder's average annual turnover threshold at Table 15.3 departs upward from the figure at paragraph 45 of that Order, on reasons recorded in writing on the file before publication. The principal's average annual turnover threshold at Table 15.3 is a departmental requirement and is not set by that Order. No other threshold, condition or apparatus in this chapter is attributed to the Government Order.

Three drafting rules govern the chapter. "Shall" is used throughout and "should" is not used. Every criterion is verifiable from a document submitted with the bid. The summary table at Section 15.10 is final rather than indicative, and no criterion outside this chapter and the published annexures is applied.

The interpretation authority of the CIDAL Apex Procurement Committee over any discrepancy, inconsistency, ambiguity or conflict in this Request for Proposal, stated at Chapter 14, Section 14.1, applies to this chapter.

15.2 The money basis and the issuing-bank set, each defined once

The money basis is the estimated bid cost, being the estimated value of the procurement as defined at Chapter 14, Table 14.3, stated in figures in the Published Figures schedule issued with this tender under Chapter 14, Section 14.2A, and nowhere in this Request for Proposal. The turnover thresholds and the past-performance thresholds attach to that figure and to no other; performance security attaches to contract value, being the accepted bid price. No other term for either basis is used, and no percentage is resolved to a value.

An issuing bank means a scheduled commercial bank in India. Every bank instrument required by this Request for Proposal (the performance security, the delivery-stage guarantee at Chapter 14, and any solvency certificate) is accepted from that set alone, and from no narrower or wider one.

15.3 Legal eligibility

Table 15.1: Legal eligibility

#	Criterion	Evidence required
PQ-01	The bidder shall be a company, a limited liability partnership, a registered partnership firm, or a public sector undertaking, constituted in India	Certificate of incorporation or registration, and the constitutional documents
PQ-02	The bidder shall have been in existence and in continuous business for not less than three financial years preceding the bid due date	Registration documents and the audited accounts submitted under PQ-09
PQ-03	The bidder shall hold a valid permanent account number and a valid goods-and-services-tax registration	Copies of both, valid as at the bid due date
PQ-04	The bidder shall be registered on the procurement platform through which this tender is issued	Platform registration particulars
PQ-05	The bidder and every consortium member shall not stand blacklisted, debarred or suspended by any Central or State Government department, public sector undertaking or procurement platform as at the bid due date	Declaration in the published format at Annexure N, Q-4
PQ-06	No insolvency, liquidation or winding-up proceeding shall be pending or ordered against the bidder or against any consortium member	Declaration in the published format at Annexure N, Q-5, supported by the auditor's statement
PQ-07	The bid shall be signed by a person holding a valid authority to bind the bidder	Board resolution or power of attorney
PQ-08	The bidder shall have no conflict of interest with the Department, its advisers or any other bidder	Conflict-of-interest declaration in the published format at Annexure N, Q-2
PQ-	Neither the bidder, nor any consortium member, nor any subcontractor proposed, nor the	Declaration in the published format

#	Criterion	Evidence required
08A	principal of any item offered, shall be from a country which shares a land border with India, unless it is registered with the Competent Authority constituted for the purpose. "Bidder from a country which shares a land border with India" bears the meaning given in the order at Table 2.2, and includes an entity incorporated, established or registered in such a country, an entity controlled by or a subsidiary of such an entity, an entity whose beneficial owner is situated in such a country, an Indian agent of such an entity, and a natural person who is a citizen of such a country other than one to whom the exception in that order applies	at Annexure N, Q-16, and, where registration is relied on, the certificate of registration issued by the Competent Authority, valid as at the bid due date

15.4 Relevant experience

The bidder shall have executed similar services within the look-back period, satisfying any one of the three pathways at Table 15.2, and elects which it relies on.

Table 15.2: Past-performance pathways

Pathway	Requirement	Value counted
A	One similar service of value not less than 80 per cent of the estimated bid cost	The value counted under Section 15.4: the full certified value where the work was completed within the three most recent years; 50 per cent of the certified value where it was completed in years four to seven; and, for an ongoing work, the certified completed value
B	Two similar services, each of value not less than 50 per cent of the estimated bid cost	The value counted under Section 15.4: the full certified value where the work was completed within the three most recent years; 50 per cent of the certified value where it was completed in years four to seven; and, for an ongoing work, the certified completed value
C	Three similar services, each of value not less than 40 per cent of the estimated bid cost	The value counted under Section 15.4: the full certified value where the work was completed within the three most recent years; 50 per cent of the certified value where it was completed in years four to seven; and, for an ongoing work, the certified completed value

The thresholds are those set by the Government Order at Table 2.2. Each element of the apparatus around them is a criterion in its own right.

The look-back period is seven years to the bid due date. A work completed within the three most recent years counts at its full certified value; one completed in years four to seven counts at 50 per cent of its certified value. The value so counted, and not the certified value before that reduction, is tested against the threshold of the pathway relied on. A single work is counted under one pathway only.

Ongoing works are admitted at not less than 70 per cent certified physical completion, counted at the certified completed value on a client-certified progress statement.

Proof is not confined to a formal completion certificate. A template is published at Annexure N for clients able to issue one; in the alternative, and carrying equal weight, the bidder may submit the purchase or work order, tax invoices evidencing the value claimed, a completion or performance letter from the client, and a chartered-accountant-certified scope-and-value statement. A bid shall not be rejected on the ground that a formal completion certificate was not obtainable.

Similar service means the integrated provision, within one and the same work, of digital-forensic or cyber-security hardware, associated software and expert technical manpower, to a Central or State Government department, a public sector undertaking, a nationalised bank, a Central or State forensic science laboratory, a police organisation, a security operations centre or an intelligence organisation. The test is conjunctive: all three elements shall be present in the work relied on, and a work providing only hardware, only software or only manpower is not a similar service and is not counted under any pathway. The expert technical manpower element means not fewer than five technical personnel deployed on that work for not less than twelve months, evidenced in the scope statement, the client's certificate or the chartered-accountant-certified statement for that work. A work is not excluded because its subject matter was cyber security and not digital forensics, because the client was not a police organisation, or because the delivery included networking or systems-integration elements. This definition is not read down at evaluation.

Experience may be pooled by a consortium under Section 15.9, and by a parent, subsidiary or fellow subsidiary where the relationship subsisted throughout the work.

15.5 Financial capacity

Turnover. The bidder shall have an average annual turnover, over the three most recent financial years for which audited accounts are available as at the bid due date, of not less than the threshold at Table 15.3. Those

years are named as published for this tender on the Government e-Marketplace, and turnover is certified by a chartered accountant. Two thresholds apply, one to the bidder and one to the principal of each item offered; they are separate tests, and neither is satisfied by the other party's turnover.

Table 15.3: Turnover thresholds

Party	Threshold	Basis	Evidence required
The bidder	Average annual turnover not less than 50 per cent of the estimated bid cost	A threshold above paragraph 45 of the Government Order at Table 2.2, adopted on the ground of the composite scope of the contract, with reasons recorded on the file before publication	Audited accounts for the three named financial years with a chartered-accountant certificate

The percentage stated once, in figures against the estimated bid cost, in the Published Figures schedule issued with this tender under Chapter 14, Section 14.2A. The bidder's threshold of 50 per cent stands above the 30 per cent set by paragraph 45 of the Government Order at Table 2.2, and the competent authority has record its reasons for that departure in writing, on the file, before publication. The principal's threshold of 100 per cent is not set by that Order; it applies to every principal of every item offered and is tested separately against each, pooled neither with the bidder's turnover nor between principals. A bid failing either threshold is non-responsive.

The threshold is relaxed for a principal that is a micro or small enterprise holding a valid Udyam registration, and for a principal that qualifies as a Class-I local supplier under the Public Procurement (Preference to Make in India) Order, to the extent and in the manner provided by the relevant orders and sections. A principal claiming a relaxation furnishes the registration or certification relied on with the bid. The relaxation extends to the turnover threshold alone and to no other criterion.

The principal of each item offered furnishes, with the bid, a statement of its financial capacity in the published format at Annexure N, Q-12, to which its audited accounts or published annual report for the three most recent financial years are annexed.

Net worth shall be positive in the most recent audited financial year, certified by a chartered accountant, each consortium member satisfying this in its own right. Solvency is declared in the published format at Annexure N, supported where the Department requires by a certificate from an issuing bank dated not earlier than six months before the bid due date.

15.6 Key personnel

The bidder shall have on its rolls, as at the bid due date, the key personnel at Table 15.4. The qualification matrix for the twenty cadre posts is at Annexure M and is a delivery obligation, not a prequalification criterion.

Table 15.4: Key personnel required at bid

Role	Number	Minimum qualification	Minimum relevant experience
Programme Manager	1	Graduate in engineering, technology or computer applications	12 years, including 5 years managing multi-site public-sector delivery
Technical Lead, digital forensics	1	Graduate in engineering, technology, computer applications or forensic science	8 years in digital forensics, including 3 years on laboratory establishment or tool deployment
Deployment Manager	1	Graduate in engineering or technology	8 years in multi-site equipment rollout, including one rollout of not fewer than 25 sites
Training Manager	1	Post-graduate, or graduate holding a certificate in training or instructional design issued by a recognised institution	6 years in technical training delivery, of which not less than one assignment was delivered in Hindi and one in English, each named in the curriculum vitae with the client, the period and the number of participants
Quality and Documentation Lead	1	Graduate	6 years in quality assurance or technical documentation on public-sector contracts
Support Desk Lead	1	Graduate	6 years in service-desk operations, including remote support to unmanned sites

Evidence is a curriculum vitae in the format at Annexure N, Q-14, signed by the individual and countersigned by the bidder, with proof of qualification and employment. One individual may hold one role only; replacement after award is governed by Chapter 13 and permitted only by an equal-or-better resource.

15.7 Management systems

The bidder shall hold, valid as at the bid due date and in its own name (or, for a consortium, in the lead member's name), a certification for a quality management system and one for an information security management system, each against a published international standard, or against a national standard recognised as equivalent by the standards body that publishes it, and in either case issued by a certification body accredited by a member of the International Accreditation Forum. The scope statement of each certificate shall cover the supply, integration or support of information technology systems; one whose scope does not is not accepted. No further certification is required and none is treated as a preference. A bidder claiming equivalence submits the standard certified against and the certificate's scope statement.

15.8 Integrity, declarations and undertakings

The following are submitted with the bid, each in the published format at Annexure N and signed by the bidder and every consortium member: the integrity pact at Q-1; the conflict-of-interest declaration at Q-2; the non-collusion undertaking at Q-3; the non-blacklisting and non-debarment declaration at Q-4; and the solvency declaration at Q-5. The local-content declaration at Q-6, required by the preference policy applied at procurement level under Chapter 2, is submitted by the bidder alone, and in a consortium by the lead member. There is submitted with them, on the bidder's letterhead and in no prescribed form, an undertaking that the bid contains no deviation, reservation, qualification or condition against any published term; no bid is rejected for the form of that undertaking.

The principal's licensing undertaking is additionally a bid-responsiveness requirement and is not a declaration by the bidder. For every software item offered, the bidder shall furnish with the technical bid a written undertaking from the principal of that item (the party that owns and supplies it, as distinct from the bidder that offers it), naming this tender, signed by a person authorised to bind the principal, and confirming without qualification the licensing and continuity clause at Chapter 10, Section 10.2.2 in its whole extent. This is submission SB-13 at Chapter 10, and it is required in addition to, and never in place of, the principal's authorisation letter at Chapter 16, Section 16.4, which confirms supply and support and says nothing about licensing terms.

Two distinct tests are applied to it. Its presence, for every software item offered, is verified at prequalification under criterion PQ-21. Its content, meaning whether it confirms requirements LC-1 to LC-5 without qualification for the item to which it relates, is tested at technical evaluation under Chapter 16, criterion TE-21. An item offered without the undertaking is not evaluated at all.

The integrity pact applies to this procurement without exception and remains in force from bid submission until the end of the operations period. Independent external monitors for this procurement are appointed by name, before publication, by the authority competent to appoint them, from the panel maintained for the purpose by that authority, and their names, designations and contact particulars are published with this tender. A monitor holds no interest in this procurement and has declared as much in writing before appointment. Breach is a ground for rejection, for forfeiture of the bid security under the norms of the Government e-Marketplace, and after award for termination under Chapter 14.

15.9 Bid security, performance security and consortium rules

Earnest money and bid security are governed by the norms of the Government e-Marketplace, including the statutory exemptions available under them, and are not separately fixed in this Request for Proposal.

Performance security is 5 per cent of contract value, by an unconditional and irrevocable bank guarantee from an issuing bank in the format at Annexure N, lodged within twenty-one days of the award letter and before signature, valid until sixty days after the end of the operations period, and not released until final acceptance and closure of every non-conformance. Where a variation under Chapter 14, Section 14.9 alters the contract

value, the performance security is recomputed on the altered contract value and topped up within twenty-one days of the written variation order.

Consortium rules. A consortium of not more than three members is permitted, under a registered agreement submitted with the bid designating one lead member, who signs the bid and the contract. The lead member shall satisfy, in its own right, not less than 50 per cent of every financial and experience threshold in this chapter. Every member accepts joint and several liability to the Department for the whole of the contract. Composition is frozen at bid submission and no member may be added, removed or substituted thereafter, save that where between bid submission and award a member becomes subject to an admitted insolvency, liquidation or winding-up proceeding, becomes blacklisted, debarred or suspended, or comes under the control of a person who is ineligible under any criterion at Table 15.1, the consortium shall notify the Department in writing within seven working days. The Department shall then either reject the bid, or, where the remaining members satisfy in their own right every threshold to which the affected member contributed and the lead member remains unchanged, permit the bid to continue without that member on the remaining members confirming in writing that they accept the whole of the scope and the whole of the joint and several liability. The decision is recorded in writing with reasons. A firm may be a member of one consortium only and may not additionally bid on its own account.

Pooling applies to relevant experience under Section 15.4 and to the bidder's average annual turnover at Table 15.3, and to nothing else. Net worth is not pooled and each member shall satisfy it in its own right. The principal's average annual turnover threshold at Table 15.3 is not a consortium threshold, is not pooled, and is tested against each principal separately. Where pooling applies, no member other than the lead member may contribute less than 20 per cent of the threshold pooled; a contribution below that share is disregarded, and the threshold shall then be met without it.

The consortium agreement shall contain all of the following, and a bid whose agreement omits any of them fails criterion PQ-20.

- The name, constitution and registered address of every member.
- The designation of the lead member and its authority to submit the bid, sign the contract, give and receive instructions and notices, and receive payment, on behalf of every member.
- Express acceptance by every member of joint and several liability to the Department for performance of the whole of the contract.
- The scope of work and the percentage share of contract value assigned to each member, the shares together amounting to one hundred per cent.
- Every threshold to which each member contributes, identifying the turnover or experience relied on.
- An undertaking that the composition, the lead member and the shares shall not be altered, and that no member shall withdraw or be substituted, from bid submission until the closure certificate, save with the Department's prior written approval.
- The period of the agreement, running until the closure certificate at Chapter 13, deliverable E-9, and until every surviving obligation is discharged.
- Execution by a person authorised to bind each member, on stamp paper of the value required by law, and registration.
- A statement that no provision of the agreement is inconsistent with this Request for Proposal, any provision found inconsistent having no effect as against the Department.

15.10 Summary of criteria

This table is final and is not indicative.

Table 15.5: Prequalification criteria, summary

#	Criterion	Requirement	Basis	Evidence
PQ-01 to PQ-08	Legal eligibility	As at Table 15.1	Not applicable	As at Table 15.1
PQ-	Restricti	Neither the bidder, nor any consortium member, nor any subcontractor	Not	Declaration in the published format

#	Criterion	Requirement	Basis	Evidence
08A	on on procurement from a bidder of a country which shares a land border with India	proposed, nor the principal of any item offered, from such a country, unless registered with the Competent Authority constituted for the purpose, on the meaning and the flow-down stated at Table 15.1	applicable	at Annexure N, Q-16, with the certificate of registration issued by the Competent Authority where registration is relied on, valid as at the bid due date
PQ-09	Average annual turnover	Not less than 50 per cent of the estimated bid cost, stated in figures in the Published Figures schedule issued with this tender under Chapter 14, Section 14.2A	Estimated bid cost	Audited accounts and chartered-accountant certificate for the three named years
PQ-10	Net worth	Positive in the most recent audited year, each member in its own right, not pooled	Not applicable	Chartered-accountant certificate
PQ-11	Past performance	One work at 80 per cent, or two at 50 per cent, or three at 40 per cent	Estimated bid cost	Completion certificate in the published template, or the alternative evidence package
PQ-12	Look-back	Seven years; full value for the most recent three, 50 per cent value for years four to seven	Not applicable	Dates of completion in the evidence submitted
PQ-13	Ongoing works	Admitted at not less than 70 per cent certified physical completion	Not applicable	Client-certified progress statement
PQ-14	Similar service	As defined at Section 15.4: conjunctive across hardware, associated software and expert technical manpower in the same work, the manpower element being not fewer than five technical personnel for not less than twelve months on that work. Not read down	Not applicable	Scope statement in the evidence submitted
PQ-15	Key personnel	Six roles as at Table 15.4	Not applicable	Curriculum vitae in the published format at Annexure N, Q-14, signed by the individual and countersigned by the bidder, with qualification and employment proof
PQ-16	Management systems	Quality and information security certifications, or equivalent	Not applicable	Valid certificates with scope statements
PQ-17	Declarations	The full set at Section 15.8	Not applicable	Published formats at Annexure N
PQ-18	Bid security	Governed by the norms of the Government e-Marketplace, including the statutory exemptions available under them, and not separately fixed in this Request for Proposal	Not applicable	As published for this tender on the Government e-Marketplace
PQ-19	Performance security	5 per cent of contract value, by an unconditional and irrevocable bank guarantee in the format at Annexure N, Q-9, within 21 days of the award letter and before contract signature. No instrument is required at bid, the obligation being accepted by the undertaking as to no deviation submitted under Section 15.8; failure to lodge after award attracts forfeiture of the bid security under the norms of the Government e-Marketplace	Contract value	The undertaking as to no deviation under Section 15.8; the guarantee at Q-9 after award
PQ-20	Consortium	Not more than three members; lead member at not less than 50 per cent of every financial and experience threshold in its own right; no other member below 20 per cent of any threshold pooled; pooling of relevant experience and the bidder's turnover only; joint and several liability; the mandatory contents of the agreement at Section 15.9	Not applicable	Registered consortium agreement containing every item listed at Section 15.9
PQ-21	Principal's licensing undertaking	Present for every software item offered, in the principal's name, naming this tender and signed by a person authorised to bind the principal. Its content is tested at technical evaluation under Chapter 16, criterion TE-21, and is not examined here	Not applicable	Submission SB-13 at Chapter 10, reconciled item by item against the offer schedule at submission SB-15
PQ-22	Principal's financial	Average annual turnover of the principal not less than 100 per cent of the estimated bid cost, over the three most recent financial years, tested separately for every principal of every item offered and not pooled with the	Estimated bid	Audited accounts or the published annual report of the principal for the three most recent financial years,

#	Criterion	Requirement	Basis	Evidence
	capacity	bidder or with any other principal, subject to the statutory relaxation at Section 15.5	cost	furnished with the principal's financial capacity statement in the published format at Annexure N, Q-12

A bid is rejected at prequalification only by reference to a numbered criterion in this table, cited in the written communication of rejection.

Chapter 16: Technical Evaluation Criteria

16.1 The methodology, fixed and published

Technical evaluation is applied at stage 5 of the bid process at Chapter 2, to bids that have passed prequalification. It is pass or fail against published minima, with no scoring, no weighting and no comparative judgement. No requirement of any item is scored at any stage: an evaluated requirement at Chapter 10 is not disqualifying and carries no mark, is declared in the compliance statement and recorded, and where gated at the demonstration is proved there on the case that covers it. The demonstration at Chapter 17 is scored, and that scoring bears on the pass rule at Section 17.6 and nothing else. Every criterion is an objective evidence test: a stated document, declaration or undertaking, present and compliant or not.

Three rules govern the conduct of the evaluation.

Only the published criteria are applied. Evaluation applies the criteria in this chapter and in the annexures published with this Request for Proposal, and no other criterion, standard, preference or expectation. Every rejection cites the specific published criterion not met, in writing, identifying the submission or the omission relied on.

A clarification may confirm, and may not supply. The Department may seek a written clarification, but only to confirm what a submitted document already contains. No clarification may add a document, alter a specification, change a compliance position or cure an omission. A clarification is sought in writing, is answered within five working days, and is sought from every bidder in the same position on the same terms.

Bidder-supplied text is not incorporated. No specification, description or undertaking drafted by a bidder is carried into the contract in the bidder's own words. Where evaluation shows that a function the Department requires is not captured by this Request for Proposal, it is adopted by corrigendum in the Department's own words and published to every bidder.

Table 16.1: Where technical evaluation sits

Stage	What occurs	Consequence of failure
4	Prequalification against Chapter 15	Bid does not proceed; price bid not opened
5	Technical evaluation against this chapter	Bid is disqualified; price bid not opened
6	Proof of concept under Chapter 17, taken by every technically qualified bidder, before award	Failure of any item marked mandatory is fatal to the bid
7	Financial evaluation, price bids opened only for bidders passing stage 6	Not applicable
8	Award	Not applicable

16.2 The compliance statement

Every bidder submits a clause-by-clause compliance statement in the published format, submission SB-1 at Chapter 10. It is the primary instrument of technical evaluation and is examined line by line.

Table 16.2: Compliance statement: the required column set

Column	Content
Item identifier	The identifier at Chapter 9 against which the offer is made
Requirement number	The numbered requirement at Chapter 10, in the published order, with no requirement omitted
Requirement text	Reproduced verbatim as published, unaltered
Compliance	"Complied" or "Not complied". No third value is admitted
How the requirement is met	A functional description of the offered item, expressed as the function performed on the input class producing the output
Reference	The document, page and paragraph of the submitted evidence supporting the claim
Demonstration reference	For a requirement gated at the proof of concept, the test case at Annexure F in which it will be demonstrated

Four rules apply. A requirement left blank is treated as not complied; so are the entries "noted", "will comply", "complied in spirit", "available as an option", "available in a future release" and any similar qualified entry; so is a compliance claim unsupported by a submitted document; and a statement omitting any published requirement of any item offered, whether mandatory or evaluated, fails criterion TE-03 in its entirety.

Where a requirement at Chapter 10 names a processor, graphics processor, storage device, operating system, device platform, file format or any other product, the name is indicative of the class only, under the rule on indicative products and equivalence at Chapter 10, Section 10.1. The entry in the How the requirement is met column states the product offered and the basis of equivalence, and an offer of a product equivalent to or better than the one named is a complied entry. Equivalence is determined against the measurable floor published for that requirement, and against nothing else.

16.3 The pass-or-fail checklist

Every criterion at Table 16.3 is mapped to an item identifier or to a scope clause, and each is tested on the document named. A bid failing any criterion is disqualified.

Table 16.3: Technical evaluation criteria

#	What is tested	Evidence	Pass basis	Mapped to
TE-01	Bid completeness	The published submission set at Chapter 10, Table 10.9	Every applicable submission present and signed	All items
TE-02	Coverage of the Bill of Materials	Compliance statement and offer schedule	An item offered against every identifier at the published quantity, with no identifier omitted and no capability offered twice. SV-05 and RS-01 are excepted and are neither offered nor priced, being held or paid outside this contract under Chapter 14	Chapter 9
TE-03	Mandatory functional requirements	Compliance statement, SB-1	"Complied" against every mandatory requirement of every item offered	Chapter 10
TE-04	Supported-platform matrix	SB-2	Submitted as at bid date for every item mapped in the adjoining column, with the undertaking to reissue quarterly through the support term. The items mapped are the acquiring or examining items to which SB-2 applies at Chapter 10, Table 10.9, and no others	SW-01, SW-02, SW-03, SW-04, SW-05, SW-07, SW-12, HW-03, HW-04, HW-05, HW-06, HW-07
TE-05	Tool-validation dossier	SB-3	Submitted for the exact build offered, stating method, dataset, results, known limitations and failure modes. A dossier recording no limitation and no failure mode fails	Every acquiring, processing or interpreting item
TE-06	Licensing disclosure	SB-4	For every licensed item, the currency period, the concurrency model and the complete text of every term governing expiry, activation, reactivation, transfer and deactivation. A disclosure omitting any such term, or referring to terms published elsewhere without reproducing them, fails	SW-01 to SW-13, and every item carrying software

#	What is tested	Evidence	Pass basis	Mapped to
TE-07	Concurrency as an outcome	SB-4 and the compliance statement	Not fewer than two concurrent processing sessions on the host suite and three concurrent device acquisitions on the mobile suite at the deploying unit, by any licensing mechanism, at no additional cost during the term	SW-01, SW-03
TE-08	Offline operation of field items	Compliance statement and SB-4	Offline activation and offline update import undertaken for every item deployed at a field unit; periodic online re-validation is not accepted	SW-01, SW-03, SW-07, SW-12, HW-04, HW-05, HW-07
TE-09	Hardware-enforced write blocking	Compliance statement	Hardware-enforced on every acquisition path; software-only write blocking is not accepted	HW-04, HW-05, HW-06, HW-07
TE-10	Case and Evidence Management System architecture	Compliance statement	The system offered is unit-local and standalone, with no server instance, no consolidation, no replication and no synchronisation, running on the unit's own workstation with no separate server or appliance, and the Headquarters instance configured as a referral register incapable of registering a case	SW-12
TE-11	Data path and jurisdiction	SB-5	Every component's data path declared, covering telemetry, usage reporting, analytics, crash reporting and entitlement communication; all evidence, derived artefacts and case metadata processed and retained on Government-controlled infrastructure inside India	All items
TE-12	Software bill of materials	SB-6	Submitted for every item carrying software, in a machine-readable published format, every known published vulnerability in an included component disclosed with its severity and a dated remediation commitment	Every item carrying software
TE-13	Declared performance and load figures	SB-7, SB-8, SB-9, SB-10	Benchmark scores; sustained acquisition rates with hashing enabled; the ingress protection rating, operating temperature range and battery endurance of every field-deployed item; and sustained electrical load and runtime declared at the concurrent high-load condition and expressly not at idle. Each figure is declared on the manufacturer's published datasheet for the build offered	HW-03 to HW-07, IN-06, IN-07, IN-08
TE-14	Equipment status undertaking	SB-11	All items new, unused and of current production, not end-of-sale or end-of-life at bid date, with support availability undertaken for not less than five years from delivery	All hardware
TE-15	Principal's authorisation	SB-12	A letter in the published format for every item classified authorisation-required at Table 16.4; or, where the bidder produces a written refusal by the principal or a written request to the principal's published address unanswered for fourteen days, with proof of despatch, a subsisting distribution agreement for that item together with the principal's published support policy. Either is a pass. The Technical Committee records the refusal or unanswered request against the specification, and that record has no effect on this criterion	As classified at Table 16.4
TE-16	Implementation plan	Technical bid	A plan consistent with the published waves W0 to W4, the published month gates and the site-readiness gating at Chapter 11, with the per-site installation assumption and the parallelism stated	SV-01
TE-17	Training plan	Technical bid	A plan delivering 82 officers in person and 375 remotely, in two modes and bilingually, against the thirty-position training laboratory, its thirty fully equipped learner endpoints and its instructor endpoint, and not fewer than thirty concurrent entitlements of each hands-on licence class, so that the whole batch takes any hands-on module at the same time and no cohort is divided; with the batch arithmetic shown (three batches of 28, 27 and 27 officers, of 19 delivery days each), the thirty training device sets, the livestream of laboratory sessions to the field units at IN-04.14, three scheduled in-person intake weeks in each contract year, and the cascade obligation accepted. Trainers are provided under SV-03 and are additional to the twenty posts at MP-01	SV-03, IN-04
TE-18	Operations and support plan	Technical bid	A plan supporting 75 field units at which no contracted person is posted, with the support-desk boundary at Chapter 8 accepted as published, and battery management across the 237 power provisions accepted as an obligation of the head and not as a variation	SV-02, IN-07, IN-08
TE-19	Manpower plan	Technical	Twenty posts at Headquarters against the qualification matrix at Annexure M, with the boundary on signing forensic opinions and statutory certificates accepted	MP-01

#	What is tested	Evidence	Pass basis	Mapped to
		bid		
TE-20	Scope boundary undertaking	SB-16	An express undertaking that no inter-unit connectivity of any kind, and no integration, interface development or data migration with any national platform, is offered or priced	Chapters 2 and 8
TE-21	Licensing continuity undertaking from the principal	SB-13, reconciled against the offer schedule	For every software item offered, an undertaking in the principal's own name, naming this tender, signed by a person authorised to bind the principal, confirming requirements LC-1 to LC-5 at Chapter 10, Section 10.2.2 without qualification and in their whole extent. A qualified, conditional, partial or time-limited undertaking is treated as not furnished, and an item offered without it is not evaluated; where that item is mandatory the bid is non-responsive	SW-01 to SW-13, and every item carrying software
TE-22	Software quality and defect-liability commitments	SB-14 and the compliance statement	Express acceptance, without qualification, of Chapter 10, Section 10.2.3 in its whole extent, including the four severity classes at Table 10.6 as the Department determines them and the resolution clocks at Table 10.7 running from the Department's report, at no cost for the whole term. The defect-management statement shall show the register format by which those obligations will be evidenced monthly	Every item carrying software

16.4 Manufacturer's authorisation and the anti-blocking rule

A bidder shall not offer a product for which it holds no supply and support relationship. That interest is real for specialist items and absent for commodities, so the requirement is classified item by item.

Table 16.4: Classification of line items for manufacturer's authorisation

Classification	Items	Requirement
Authorisation-required	SW-01 to SW-13; HW-01; HW-02; HW-06; and the hardware write-blocking element supplied with HW-04, HW-05 and HW-07	A principal's authorisation letter in the published format at Annexure N
Commodity	HW-03; the compute and storage elements of HW-04 and HW-05; the balance of HW-07; IN-01 to IN-08	No authorisation letter. Warranty and support undertaken by the bidder
Not applicable	SV-01 to SV-05; MP-01; RS-01	No product is supplied under these heads

The letter names this tender as published for it on the Government e-Marketplace, names the item and the offered build, undertakes supply and support for the whole contract term, and is signed by a person authorised by the principal. A general dealership certificate is not accepted in its place.

The authorisation letter and the licensing undertaking are different instruments and neither substitutes for the other: the authorisation letter confirms that the bidder may supply and support the item, and the licensing undertaking at TE-21 confirms the terms on which the Department will hold it. A software item classified authorisation-required carries both, and the absence of either is tested on its own criterion.

The anti-blocking rule. A principal shall not restrict the number of bidders it authorises for this tender, and the published letter format carries that undertaking. A bidder that has sought an authorisation and received a written refusal, or no response within fourteen days of a written request sent to the principal's published address, may submit that refusal or request with proof of despatch. The fact is recorded and weighed against the specification and not against the bidder: the Technical Committee examines whether the requirement for that item is drawn so as to be satisfiable by one supplier only, and may recommend that it be amended by corrigendum published to every bidder, or that the item be assessed on the alternative evidence at TE-15. A refusal by a principal is not, by itself, a ground for disqualifying the bidder that suffered it.

The rule does not extend to the licensing undertaking, being directed at the identity of the bidder and protecting a bidder against a principal that will authorise some bidders and not others. A principal that declines the licensing undertaking declines it to everyone, and an item whose principal will not confirm continuity of operation cannot be offered under this tender, whoever offers it.

16.5 Audit rights

The Department, the Independent Auditor appointed under SV-05, and any statutory or constitutional audit authority may inspect and audit, and take copies of, all records of the bidder relating to this tender, and of the successful bidder relating to this contract, at any time during the term and thereafter until the later of five years from the close of the contract and the expiry of the retention period applicable to the record at Annexure L. The successful bidder shall retain every such record for that period, and shall not destroy any of them within it. The obligation flows down unaltered to every consortium member and every approved subcontractor. Records are produced within fifteen working days of a written request. Submission of a bid constitutes acceptance of this clause.

16.6 Abnormally low bids

This section is applied at stage 7, after price bids are opened, and forms no part of the pass-or-fail testing at stage 5. Where the lowest evaluated price is more than 30 per cent below the estimated bid cost, or more than 20 per cent below the next lowest evaluated price, the bidder shall furnish a written price justification within seven working days; one not furnished within that period is treated as unsatisfactory. The justification shall comprise the item-wise build-up of the quoted price, the principals' quotations or price undertakings relied on, the manpower deployment assumed for the operations period, and a statement of how the published service levels, warranty obligations, licensing continuity obligations and training volumes are met at the quoted price. Rejection is permitted where the justification is unsatisfactory, the ground being recorded in writing. The clause is applied on the justification submitted and not on the margin alone. The justification is sought from one bidder only, being the bidder whose evaluated price triggered this section, and the period runs concurrently with the evaluation of the other bids so that no other bidder's evaluation is delayed by it. The threshold is stated in figures, computed from the estimated bid cost, in the Published Figures schedule issued under Chapter 14, Section 14.2A.

16.7 What the evaluation does not do

No subjective criterion is applied. No bid is judged on realism, comparability, presentation, clarity of interface, perceived maturity or any similar quality, and no such quality is a ground of disqualification. Every criterion at Table 16.3 is a document test with a stated pass basis.

No bid is judged on the identity of the product offered. A bidder is neither disqualified nor prejudiced, at this stage or at any other, for offering a product other than one named indicatively at Chapter 10, and no criterion in this chapter prefers a named product to an equivalent. Where a product is offered as an equivalent, the test is whether it meets the measurable floor published for the requirement; a product equivalent to or better than the one named passes that test, and one falling below the floor fails it whatever its name.

Customer references are not required to be nameable. A bidder relying on work for a law-enforcement, forensic or intelligence client may submit an anonymised reference identifying the client by class and jurisdiction, or a reference attested by a competent authority, and no bidder is required to furnish the contact particulars of such a client.

No criterion here qualifies, extends or contradicts Chapter 15. Experience, turnover, personnel and integrity are settled at prequalification and are not re-examined here on any different basis. The one document appearing in both chapters is the principal's licensing undertaking, and the division at Section 15.8 governs.

16.8 Outcome

A bidder that passes every criterion at Table 16.3 is technically qualified and proceeds to the proof of concept at Chapter 17, which is taken before award on identical Department-supplied offline material, save for the inherently online cases identified at Chapter 17, Section 17.4, and is neither optional for a qualified bidder nor a post-award activity. A bidder that fails any criterion is disqualified, is informed in writing citing the criterion not met, and its price bid is not opened.

Chapter 17: Proof of Concept Framework

17.1 Position in the bid process

The proof of concept is taken before award by every bidder that qualifies on the technical criteria at Chapter 16. It is not optional, is not waived on a document, a certification or a prior supply, and is not a post-award activity. No financial bid is opened until it is complete.

Table 17.1: The bid process, in sequence

Stage	What happens	Who takes part	Outcome
4	Prequalification against the published criteria at Chapter 15	Every bidder	Qualified or not qualified, on a cited criterion
5	Technical evaluation against the published pass-or-fail criteria at Chapter 16	Every prequalified bidder	Technically qualified or not, on a cited criterion
6	Proof of concept under this chapter	Every technically qualified bidder	Pass or fail, on a cited test case
7	Financial evaluation under Chapter 2, Section 2.7, on the price basis and tax basis at Chapter 14	Every bidder passing stage 6	Financial determination
8	Award	The successful bidder	Contract

A bidder that does not present itself on the notified date is recorded as having failed every mandatory case.

17.2 Governance, the panel and the venue

The Technical Committee conducts the demonstration, sitting as the proof-of-concept panel. Its composition, quorum and decision rights are at Chapter 5; this chapter constitutes no body and renames none.

The panel does not change between sessions. Each member records an individual score sheet and signs it at the close of the case to which it relates. The panel's recommendation goes to the Apex Procurement Committee, which approves the list proceeding to financial evaluation. Observers nominated by the Department may not question, direct or assist.

Sessions are closed: no bidder observes another's session, and no record is disclosed to another bidder.

All sessions are held at one venue on departmental premises, before the same panel. The venue is notified not less than fifteen working days before the first session. No session is held at a bidder's premises, and none is accepted by video, by recording or remotely. Session order is fixed by lot drawn before the bidders' representatives.

17.3 Applicability: what is demonstrated and what is not

Two classes of item are demonstrated: every item deployed at scale across the field estate, and every Headquarters capability. One further demonstration belongs to no single item and tests a property of everything offered, that the software continues to operate with every external interface disconnected.

Table 17.2: Applicability: items demonstrated at the proof of concept

Item	What is demonstrated	Status
HW-04 Forensic Analysis Workstation, field grade	Benchmark result. The concurrent high-load acceptance test at Chapter 10, Table 10.17 on the offered configuration, using the class-specific task set for the field-grade class at Annexure B, Table B.5: host-forensic processing of a reference exhibit exceeding the machine's solid-state scratch, mobile extraction decoding, telecom record analysis and the Case and Evidence Management System in interactive use, all four at once, with elapsed times, utilisation, the volume of paging recorded, absence of stall, and the sustained electrical load measured. Integrated or bundled write blocking	Mandatory
HW-05 Acquisition and Processing Node	Unattended acquisition, hashing, indexing, processing pass and archival write while a workstation is in interactive use on a different exhibit. The concurrent high-load acceptance test on the node's own software set. Hardware-enforced write blocking. Authenticated operator identity	Mandatory
HW-06 Hardware Forensic Imager	Timed acquisition on the Department's reference source media with hashing enabled. Open-container and raw output. Complete acquisition log	Mandatory
HW-07 On-scene Response Kit	Completeness against the published deliverable list. Portable write-blocked acquisition. The declared ingress protection rating, operating temperature range and battery endurance	Mandatory
SW-01 Computer Forensic Analysis	Imaging and verification, keyword and pattern search, carving, timeline reconstruction, artefact recovery, the classifying pass over a large image and video set, and the bounded-triage function, at both grades, against	Mandatory

Item	What is demonstrated	Status
Suite	published expected results	
SW-03 Mobile Forensic Acquisition and Analysis Suite	Logical, file-system and physical acquisition across the Department's device set. Encrypted-backup handling. Artefact decoding. Hash manifests and court-ready export	Mandatory
SW-07 Field Telecom Record Analyser	Ingestion of the published operator-format sample sets. Single- and multi-number correlation. Timeline and cell-site plotting. Open-format export	Mandatory
SW-12 Case and Evidence Management System	One standalone unit-local instance: registration with a system-issued identifier, exhibit and custody entries, refusal of a classification carrying no criterion code, maker-checker with self-review refused, immutable log, monthly return and court-file export	Mandatory
HW-03 Forensic Analysis Workstation, laboratory grade	Benchmark result. Timed large-exhibit processing run. The concurrent high-load acceptance test at Chapter 10, Table 10.17 on the offered configuration, using the class-specific task set for the laboratory-grade class at Annexure B, Table B.5. The telecom task is not run at that class, and its omission shortens no window and relaxes no allowance	Mandatory
SW-02 Alternative-Platform Acquisition and Volume-Decryption Utility	Acquisition from a Department-supplied machine of the alternative desktop platform. Volume decryption on a supplied recovery key	Mandatory
SW-04 Authorisation-Gated Advanced Access Capability	Refusal to proceed without the written approval of the authorised officer recorded in the authorisation register, the authorised officer being an officer of the Cyber Crime Headquarters of a rank designated by the Department for the purpose. Per-attempt audit record. Resumable and parallel workflow behaviour on the Department's device set	Mandatory
SW-05 Lawful Cloud and Account Acquisition Module	Token-based acquisition from a Department-created test account, with case binding and approval workflow, and decoding in the same analysis environment. An inherently online case under Section 17.4	Mandatory
SW-06 Central Telecom Analytics Platform	Multi-operator ingestion with schema mapping. Correlation across cases and operators at the published reference-dataset scale. Approval workflow. Immutable audit log	Mandatory
SW-08 Online and Anonymised-Network Investigation Platform	Evidential capture with timestamps, hashes and session logs, under managed non-attributable egress. An inherently online case under Section 17.4	Mandatory
SW-09 Virtual-Asset and Distributed-Ledger Analytics	Tracing of a seeded transaction path in the Department-supplied offline ledger dataset. Clustering and attribution at the declared dataset scale. Exportable graph and query log	Mandatory
SW-10 Forensic Media Processing and Playback	The published enhancement and restoration function list on Department-supplied media, with a reproducible operation log	Mandatory
SW-11 Media Authenticity and Synthetic-Media Analysis	The known-answer set, with calibrated confidence, contributing factors stated and reviewer sign-off carried into the export	Mandatory
SW-13 Authorisation-Gated Credential Recovery	Refusal to proceed without the written approval of the authorised officer recorded in the authorisation register. Recovery against a known-answer container. The reference job whose per-candidate working state requires the full dedicated graphics memory of the laboratory-grade class. Per-job audit record	Mandatory
Every software item offered: continuity of operation	Installation, activation, operation, processing, reporting and export with every external interface disconnected, on the offered build. Inspection of the entitlement artefact the bidder will deliver, for any expiry date, time-limited key, licence lease or reactivation term. An outbound-traffic capture taken throughout, showing no entitlement-related communication of any kind. This demonstrates requirement LC-4 at Chapter 10, Section 10.2.2, and is taken at case PC-38 for the field-grade software items and, for every Headquarters software item, at the continuity pass condition published within that item's own case at Annexure F, sections F.10 and F.12	Mandatory
HW-01 and HW-02 Headquarters compute, storage, backup and archive	A representative configuration of the offered build: redundancy behaviour, immutable log storage, encryption at rest and a hash-verified restore. Contractual capacity, rebuild, restore time and recovery figures are verified at Chapter 18	Evaluated

Table 17.3: Item classes excluded from the proof of concept, and the reason

Item class	Why it is excluded	Where it is verified instead
IN-01, IN-02, IN-03 network zoning, switching, structured cabling and passive	Built at the unit against its own layout	Chapter 18, Stage C, on the port map, interface listing and egress capture at every unit
IN-04 Training Laboratory (30-position)	A room build and its installed entitlements, neither transportable	Chapter 18, Section 18.7, on the endpoint count, the training-network trace, the thirty concurrent entitlements of each hands-on class demonstrated with all thirty learner endpoints in the

Item class	Why it is excluded	Where it is verified instead
		same hands-on module at the same time, the thirty training device sets, and the livestream to a field unit
IN-05 Headquarters electrical, environmental and laboratory furnishing	Site works measured at the premises	Chapter 18, Stage C, against the stated protection, earthing, lighting and environmental values
IN-06 Evidence Storage Cabinet	A physical article measured against a published dimensioned specification	Chapter 18, Stage B, at 100 per cent inspection, and Stage C for anchoring and sealing
IN-07 Uninterruptible Power Supply, unit level	Runtime is meaningful only against the unit's own measured residual connected load	Chapter 18, Stage C, test C-11, by a witnessed mains-interruption test at that measured load
IN-08 Workstation Uninterruptible Power Supply	Runtime is meaningful only against the load measured for the machine it protects, which is not known until that machine has been run under the concurrent high-load test	Chapter 18, Stage C, tests C-18 to C-20, by witnessed discharge, graceful-shutdown and acquisition-interruption tests at the measured load
SV-01 to SV-05 services, MP-01 specialist cadre	Performed over time and not demonstrable in a session	Chapter 16 at bid; Chapter 13 service levels in operation
RS-01 Technology-Refresh and Extended-Warranty Reserve	A provision drawn on written departmental approval; nothing is supplied under it at bid	Chapter 14

17.4 The environment and the material

Every proof-of-concept case runs on Department-supplied offline material. The only exception is a capability that is inherently online, being open-source and online investigation, and lawful cloud or account acquisition, for which a live target is permitted. The record of such a case states that the network path could not be made identical between sessions, and that the panel scored the method and the artefacts produced and not the speed or reachability of the network on the day.

The environment is isolated. Benches stand alone, with no connection to any departmental network and none between benches. A separately administered and logged external path is provided at the Headquarters-capability bench, and only for the inherently online cases named above; no field-grade bench holds one. Every other Headquarters case, including virtual-asset tracing and multi-operator telecom correlation, runs on the Department's supplied offline datasets.

All evidence material is supplied by the Department and is identical for every bidder: synthetic or redacted datasets built for the purpose; locked and encrypted devices; a device set published by class, being platform, encryption state and age band, and where a make, model or version is named in the published set it is named only to indicate the class of device the Department will supply, under the rule on indicative products and equivalence at Chapter 10, Section 10.1, and confers no preference upon and creates no prejudice against any product a bidder offers; content in Hindi and the Devanagari script and a right-to-left sample; and reference source media for the timed acquisitions. Material brought by a bidder is not admitted.

Each bidder declares in writing before its session the version and build identifier of every item it will operate, and every function requiring an external service. A declared dependency is demonstrated with that dependency visible in the record; an undeclared dependency found during a session fails that case. Every field-grade item is activated offline and operated with no external interface enabled, and every software item offered, of whatever grade and wherever deployed, is additionally shown to install, activate, operate, report and export with every external interface disconnected. Those demonstrations are themselves cases.

Table 17.4: What each party provides

The Department provides	The bidder provides
The venue, benching, power, physical security and timekeeping	The offered items in the offered build, and no others
The isolated environment and the separation between benches	Its own computing platforms of the offered specification or higher
All evidence media, devices, datasets and reference source media, identical for every bidder and restored to a recorded state before each session	Its own acquisition devices, write blockers, cables, adapters and consumables
The published test library, pass thresholds and time allowances at Annexure F	Whatever activation its licensing mechanism requires, by its own arrangement, including the permanent offline entitlement required by Chapter 10, LC-4
The openly published benchmark named for this tender, used at the workstation cases	Not more than the number of personnel at the bench notified with the venue not less than fifteen working days before the first session, of whom not more than the number so notified may operate an item; the

The Department provides	The bidder provides
	remainder may observe, and may neither operate nor direct
The reference exhibits, extractions and record sets of the concurrent high-load test, and the recording instrument used to measure sustained electrical load	Its written declaration of versions, builds and external dependencies
The panel, the record, and custody of every retained output	None

No fee is charged and no cost is reimbursed. Each party bears its own logistics.

17.5 Conduct of a session and the time allowance

Each bidder receives one set-up day, outside the testing window and not scored, followed by a testing window of not more than five consecutive working days.

Each case carries its own allowance at Annexure F. No case exceeds 120 minutes in any one run. The concurrent high-load acceptance test is run on each workstation class offered and carries 120 minutes for each such class. Scheduled case time aggregates to not more than 2,235 minutes, being thirty-seven hours and fifteen minutes.

Within its allowance a bidder may re-attempt at will; on expiry the case is recorded as not demonstrated and the session proceeds. Time lost to the Department's material or venue is added back; time lost to a bidder's own equipment is not.

Table 17.5: Per-item time allowance and the aggregate ceiling

Item class	Cases	Allowance
Field workstation and acquisition and processing node	3	180 minutes
Concurrent high-load acceptance test, run on each workstation class offered on the class-specific task set at Annexure B, Table B.5 for the class under test	1	120 minutes for each workstation class offered; three classes being offered, 360 minutes
Bench imager and on-scene kit	3	150 minutes
Field-grade and laboratory-grade host suite	4	210 minutes
Mobile acquisition and analysis suite	4	240 minutes
Field telecom record analyser	2	120 minutes
Unit-local Case and Evidence Management System	3	150 minutes
Offline activation, offline operation, update import and continuity of operation with every external interface disconnected	3	165 minutes
Headquarters examination and analysis capabilities	11	480 minutes
Headquarters compute, storage and backup, representative configuration	2	90 minutes
Output, export, reproducibility and language handling	2	90 minutes
Total	38	2,235 minutes, being 37 hours and 15 minutes

Each case is run by the bidder's own personnel, on its own items, using the Department's material, in the panel's presence; the panel neither operates the items nor assists. Every output is produced at the bench, hashed in the panel's presence and retained. A result claimed but not produced at the bench is not a result, and a known answer is not disclosed before the session.

17.6 Scoring and the pass rule

Every case is scored on the same four-point scale.

- 0: not demonstrated.
- 1: demonstrated in part; output incomplete.
- 2: demonstrated in full; output complete and correct.
- 3: as 2, and the item produced, without further input from the operator, a log of the operation performed which records each of the following: the tool and its build identifier; every setting applied; the source and its hash; each intermediate and output and its hash; the start and finish time of each step; and the identity of the operator. The panel scores 3 where the log produced at the bench carries all six, and 2 where it does not. No assessment of the adequacy, quality or presentation of the log is made.

A score of 3 is available at every case, and against each the panel records which of the six particulars the log produced at the bench carried.

Table 17.6: Scoring groups and weights

Group	What the group establishes	Cases	Weight
G1 Evidential integrity	Hardware-enforced write blocking on every acquisition path; hashing and verification against a known answer; complete acquisition logs; authenticated operator identity with per-session logging to tamper-evident storage	4	25
G2 Field-grade examination	Host, mobile and telecom examination and the bounded-triage function on Department-supplied material, each against a published expected result	10	25
G3 Field platform, offline operation and continuity	Workstation benchmark and the concurrent high-load acceptance test; node concurrency while the workstation is in interactive use; offline activation, operation and update import; continuity of operation with every external interface disconnected, the entitlement artefact inspected and the traffic capture clean	6	15
G4 Unit-local case and evidence management	Registration with a system-issued identifier, exhibit and custody entries, criterion-code enforcement, maker-checker, immutable log, monthly return and court-file export on one standalone instance	3	10
G5 Headquarters capability	Authorisation gating and advanced access; account acquisition; credential recovery; multi-operator correlation; online and virtual-asset investigation; media processing and authenticity; alternative-platform acquisition; the laboratory-grade workstation benchmark and its timed large-exhibit processing run; the representative compute and storage configuration	13	20
G6 Output, export and language	Open-format export with hashes and manifests, readable without the supplier's software; reproduction of a result from the original with the operation chain logged; processing of content in Hindi and the Devanagari script and support for a right-to-left script	2	5
Total		38	100

Table 17.5 and Table 17.6 divide the same thirty-eight cases on two axes: Table 17.5 by the item class demonstrated, which is how the timetable is built, and Table 17.6 by what the case establishes, which is how the case is scored. The scoring group of every case is published in the Scoring group column of the case tables at Annexure F, sections F.3 to F.12, and is reconciled case by case at Annexure F, section F.13. Every case appears exactly once on each axis; no case is scored twice, and no case is scored in no group.

The determination is computed in three steps and in no other way.

- Step 1, the case score. Every member of the panel records and signs a score for the case, on the four-point scale. The case score is the mean of those scores, taken to two decimal places. A case not demonstrated within its allowance scores nil, and that nil is included in the mean.
- Step 2, the group score. Add the case scores of the cases in the group and divide that sum by three times the number of cases in the group, three being the highest score available at a case. The result lies between nil and one. Multiply it by the weight published for the group at Table 17.6. A group in which every case scored 3 earns the whole of its weight; one in which nothing was demonstrated earns nil.
- Step 3, the aggregate. Add the six group scores. The six weights sum to one hundred, so the aggregate is a score out of one hundred.

Where a case is run on more than one class or configuration, a score is recorded for each class or configuration run, and the case score for the purposes of step 1 is the lowest of them. Case PC-37 is run on each workstation class offered and is scored accordingly.

The computation is recorded on the panel record for every bidder, group by group, with the case scores from which each group score is derived.

A bid passes on two conditions, both required. First, every case belonging to an item marked mandatory at Table 17.2 scores not less than 2. Second, the weighted aggregate over all thirty-eight cases is not less than 60 of 100, that condition operating on every case, mandatory and evaluated alike, and not rescuing a bid that fails the first. The aggregate is a floor already assured by the mandatory-case rule, and operates as a backstop and not as a separate filter.

The outcome is binary. A higher score confers no advantage at financial evaluation, which is conducted under Chapter 14 among the bidders that pass and by reference to nothing else.

17.7 Substitution, failure and consequence

Substitution of test hardware is permitted where the bidder evidences non-availability in writing and the panel approves in writing; the substitute must be of the offered specification or higher and must run the offered build.

Substitution of an offered product is not permitted once that bidder's testing window has begun, and an attempt to make one fails that item. A bidder may replace a machine it could not ship; it may not replace a product it has watched fail. This rule bears upon substitution during the window and upon nothing else: it does not restrict the product a bidder chooses to offer in its bid, and a bidder offering a product equivalent to or better than one named in Chapter 10 demonstrates the product it has offered, without penalty.

Failure of any item marked mandatory is fatal to the bid. That bid does not proceed to financial evaluation, its financial bid is not opened and remains sealed on the procurement platform, and the rejection cites the published case and pass criterion not met. There is no re-test, no second window and no post-session submission: a document produced after a session is not evidence of a capability demonstrated in it. Failure of an evaluated item's case reduces the weighted aggregate and does nothing else.

17.8 The conditions that preserve competition

Six conditions bind the Department so that the demonstration stays neutral.

- Everything tested is published in advance. The test library, pass thresholds and per-case allowances are at Annexure F, and the device and dataset set is notified by class not less than ten working days before the first session. No bidder is required to bring an item, or demonstrate a case, that was not published.
- The library is deliverable on equipment a bidder can reasonably bring or access. No case requires transport of an item that cannot move as ordinary freight; where an item cannot, the demonstration is on a representative configuration and the contractual figure is verified at Chapter 18.
- Material is the Department's, is identical, and is restored to a recorded state before each session, so no bidder is advantaged by its place in the order.
- Cost is not a barrier to bidding. Each party bears its own logistics, bench personnel are capped so that a larger bidder cannot outstaff a smaller one, and the exercise is bounded at one set-up day and five testing days.
- No case requires a named product, and no case requires a function to be performed in a particular way. Where a product is named, whether in the test library or in the Department's material, it is named only as an indication of class under the rule on indicative products and equivalence at Chapter 10, Section 10.1: a bidder offering a product equivalent to or better than the one named demonstrates its own offered product, is scored against the same published criterion for that case, and is neither penalised nor advantaged by the naming. Where decoding is tested the sample set is named and published, and the criterion is complete decode of that set, or a logged failure record stating what could not be decoded and why; no unbounded requirement to decode unnamed formats appears in the library. The continuity case tests an outcome and not a licensing mechanism: the bidder may use any mechanism it wishes, provided the item runs with every external interface disconnected and the entitlement artefact carries no expiry, lease or reactivation term.
- No case requires, assumes or demonstrates a connection between one unit and another. Every field-grade case runs on one standalone configuration with no external interface enabled, and the Case and Evidence Management System on one unit-local instance. A bidder demonstrating a consolidation, replication or synchronisation function fails that case.

Every item gated here carries a case at Annexure F.

Chapter 18: Inspection, Testing, Acceptance and Commissioning

18.1 One process in six stages

Inspection before despatch and acceptance after delivery are one process in six stages. Every stage has a scope, a performer, published tests, a pass criterion for every test and a record from every test. Nothing is accepted on an opinion, on a rectification report alone, or on the passage of time.

Table 18.1: The six stages, in sequence

Stage	Who does it	What is checked	Certificate or record, and payment gate	How long it takes	What happens on failure
A Pre-dispatch inspection, at the staging facility	Programme Management Unit with the System Integrator; the Committee may witness any test	Each batch before despatch: A-1 to A-9	Pre-dispatch inspection certificate, per batch. No tranche	10 working days to complete, then 5 to certify	Batch not despatched
B Delivery inspection, at the unit	Unit In-charge with the System Integrator, reported to the Programme Management Unit	Each consignment on arrival: B-1 to B-7	Delivery inspection record, per unit. Tranche M2	15 working days from delivery	Consignment not accepted
C Installation and configuration verification, at the unit	System Integrator, verified and closed by the Programme Management Unit	Each unit: C-1 to C-20	Installation and configuration verification record, per unit. No tranche	10 working days from the readiness notice	Stage D does not begin
D Site acceptance, at the unit	Wave Delivery and Acceptance Committee, on testing by the unit's own trained officers	Each unit: D-1 to D-10, and at Headquarters H-1 to H-7	Site acceptance certificate, per unit. Tranche M3	15 working days to test, then 10 to certify	Certificate withheld for the affected item, or in whole where the unit cannot complete D-1
E Wave acceptance, at the Department	Wave Delivery and Acceptance Committee	Each wave: every unit certified, every major non-conformance closed, the as-built set complete, the training gate satisfied	Wave acceptance certificate, per wave. Tranche M4	15 working days from the last site acceptance certificate in the wave	Wave not certified. A unit deferred on a departmental not-ready certification is excluded and re-sequenced, and does not delay the wave
F Final commissioning, at the Department	Wave Delivery and Acceptance Committee, approved by the Apex Procurement Committee	All 76 units: every condition at Section 18.9	Final commissioning certificate. Tranche M5	15 working days from the last wave acceptance certificate	Certificate withheld until every condition is satisfied. No deemed acceptance

Section 18.10 governs every failure: a non-conformance is raised and classified, closed within its clock, and the failed test re-run in full.

Acceptance is wave-wise. Each of the five waves at Chapter 11 is accepted on its own certificate and releases its own tranche, and no unit's acceptance or payment turns on the state of a unit outside its batch or wave. There is no single gate across all seventy-six units other than final commissioning. The tranches named above are those at Chapter 8 and Chapter 14, Section 14.5, expressed there as percentages; no monetary value is stated against any of them and none is to be inferred.

18.2 Governing rules and the part played by each body

Four rules govern every stage.

- The Department publishes the test method. A supplier-provided test method, a supplier-supplied dataset and a supplier-conducted demonstration on supplier-supplied material are not admissible as evidence of compliance.
- All delivered goods shall be new, unused, of current production and neither end-of-sale nor end-of-life at bid date. Refurbished, demonstration, open-box, remanufactured and grey-market goods are prohibited, their supply being a major non-conformance.
- No acceptance criterion may be waived, by any body, in any change class.
- There is no deemed acceptance, in any circumstances, at any stage.

The acceptance authority at every stage is the Wave Delivery and Acceptance Committee, constituted at Chapter 5. At Stage A it settles the inspection programme for each batch and may witness any test in it; at

Stages B and C it receives the records and does not re-perform them, but may direct any test to be witnessed or repeated in its presence; at Stage D it takes the acceptance decision unit by unit and signs the certificate; at Stage E it reconciles the wave; at Stage F it certifies the completed estate for the approval of the Apex Procurement Committee. At every stage it alone classifies each non-conformance as minor or major.

The Programme Management Unit conducts and verifies, and may waive no criterion. The Technical Committee advises on a disputed test and directs nobody. The Independent Auditor verifies acceptance evidence independently, holds no direction authority over any party, and is appointed and paid by the Department outside the System Integrator's contract.

18.3 Stage A: Pre-dispatch inspection

Stage A is performed at the staging facility, per batch, before any item is despatched. The System Integrator gives not less than ten working days' written notice of the date from which the batch will be available. The departmental clock at Section 18.11 runs from that date and not from the date of the notice.

Table 18.2: Stage A: pre-dispatch inspection

Test	Method	Pass criterion	Record produced
A-1 Authenticity and chain of supply	Each serial verified against the principal's despatch record or written confirmation	Every serial confirmed as originally supplied for this contract, through an unbroken chain of supply	Authenticity confirmation per serial, appended to the batch record
A-2 Newness and prohibited goods	Packaging, factory seals and condition inspected; manufacture date read from each item; signed supplier declaration	Every item new, unused, of current production, not end-of-sale or end-of-life at bid date; no refurbished, demonstration, open-box, remanufactured or grey-market goods	Condition record with manufacture dates and the signed declaration
A-3 Warranty entitlement	Entitlement record checked per serial against the offered term and start basis	Comprehensive on-site entitlement registered for the full term against each serial, commencing at site acceptance and not at despatch	Warranty entitlement register, per serial
A-4 Completeness of accessories	Item-by-item check against the published deliverable list: accessories, cables, adapters, power leads, carrying cases, media, documentation	Nil shortfall against the published list for every item in the batch	Packing list countersigned, carrying a nil-shortfall statement
A-5 Licence, entitlement and continuity integrity	Entitlement documents checked for each licensed item against requirements LC-1 to LC-6 at Chapter 10, Section 10.2.2: currency period and start basis, concurrency model, offline activation method, and the complete text of every term governing expiry, activation, reactivation, transfer and deactivation; the principal's LC-6 undertaking reconciled against the software item list	Requirements LC-1 to LC-5 satisfied by every entitlement artefact in the batch, being not less than three years of currency running from the site acceptance of the deploying unit, no expiry date, time-limited key, periodic reactivation requirement, licence lease, remote disable capability, kill switch or hosted-entitlement dependency, and a permanent offline entitlement deliverable and re-deliverable on removable media for every item deployed at a field unit or in an offline zone; the entitlement matching the SB-4 licensing disclosure in every particular; the principal's undertaking present, unqualified and signed for every software item in the batch	Licence entitlement schedule per unit of deployment, with the entitlement-artefact inspection record and the undertaking register
A-6 Version and build integrity	Build identifiers and firmware versions read from the staged image and compared with the versions demonstrated at Chapter 17	The identical build, or a later build accompanied by a written change record accepted by the Technical Committee	Build manifest with the hash of each staged image
A-7 Baseline configuration	Tier baseline image built, hardened against the published hardening checklist and hash-recorded before replication	Every checklist line satisfied; the image hash recorded and thereafter unchanged	Baseline image manifest with hash and the signed hardening checklist
A-8 Functional sample	One unit of each item class in the batch tested on Department-supplied material against its published case at Annexure B	The sampled item passes its case on the expected-versus-actual matrix	Test record with the expected-versus-actual matrix
A-9 Ingress protecti	For every field-deployed item carrying one, the rating declared at bid read from the manufacturer's published datasheet for the build	The rating declared at bid appears on the published datasheet for the build delivered and is marked on the item. A lower rating is a major non-conformance	Ingress protection record per item class, appended to

Test	Method	Pass criterion	Record produced
on rating	delivered and checked against the marking on the item		the batch record

18.4 Stage B: Delivery inspection at the unit

Stage B is performed at the unit on arrival of the consignment, in the presence of the officer holding the Custodian duty. It is the gate for milestone M2.

Table 18.3: Stage B: delivery inspection

Test	Method	Pass criterion	Record produced
B-1 Consignment identity	Consignment checked against the unit's entry in Annexure A and against the packing list	Every carton and item consigned to the correct unit, in the correct quantity for that tier	Delivery inspection record, signed by both parties
B-2 Serialised items, inspected at 100 per cent	Every serialised item unpacked, its serial read and matched to the Stage A batch record: HW-01 to HW-07, IN-06, IN-07, IN-08 and every software entitlement SW-01 to SW-13	100 per cent match with the Stage A record; no substitution; no item unaccounted for	Serial-number reconciliation sheet
B-3 Sampled items	Consumables, passive cabling components, patch cords, adapters, seals, evidence and shielding bags, blank target and archival media, labels and furniture: a sample drawn from each lot and inspected against the published deliverable list and specification	Every sampled item conforms. Where one does not, the whole lot is inspected item by item and every non-conforming item replaced before the lot is accepted	Sampling record naming the lot, its size, the number inspected, the non-conformities observed and the result
B-4 Transit condition, witnessed transit check	Packed consignment carried to the unit over the stated route, unpacked before the Custodian, every serialised item inspected visually, powered on and operated	No physical damage; every item powers on, reports its configuration and functions	Transit check record naming the route, with retained photographs
B-5 Documentation set	As-delivered documentation checked against the published list	Complete for every item delivered	Documentation receipt countersigned by the Unit In-charge
B-6 Software quality certificate and software bill of materials	AT-52. For every software item in the consignment, the supplier's certificate under Chapter 10, SQ-2 and the software bill of materials under SQ-7 checked against the item list	A signed certificate that no defect of Critical or High severity is known to exist in that item, listing every known Medium and Low severity defect with its status; and a bill of materials enumerating every included component and its version, with every known published vulnerability disclosed with its severity and a dated remediation commitment. An item delivered without both is not inspected	Certificate and bill of materials lodged with the delivery inspection record, per item
B-7 Evidence isolation bag, witnessed shielding check	A live handset registering network attachment placed in the bag, the bag closed before the Custodian	Network attachment is lost while the handset is in the bag, and regained on removal	Witnessed shielding check record naming the handset, the network and the observation, per consignment of bags

Every serialised capital item is inspected at 100 per cent. Sampling is applied only to consumable and passive populations, under B-3.

18.5 Stage C: Installation and configuration verification

Stage C is performed at every unit and its record is a precondition of Stage D. Each test is conducted under the acceptance test cited against it at Annexure B, which publishes the material, the full procedure and the known answer; the pass criterion below governs the stage.

Table 18.4: Stage C: installation and configuration verification

Test	Method	Pass criterion	Record produced
C-1 Zone separation, physically verified	AT-16. Cable trace and port map; interface listing on every evidence-processing machine; traffic capture on the Evidence Processing Zone	The Evidence Processing Zone has no cable, no enabled wireless interface, no shared switch port group, no shared storage and no shared account reaching outside itself; the capture shows no egress	Zone-separation record with port map, interface listing and capture file

Test	Method	Pass criterion	Record produced
C-2 Controlled Internet Zone integrity	Inspection of the internet endpoint and its storage against the published check	The endpoint is a separate machine or separately connected endpoint, and holds no evidential artefact, image, working copy or derived intermediate	Endpoint inspection record
C-3 Controlled Internet Zone availability and reachability	From that endpoint, the departmental internet service exercised and each of the three national platforms identified at Chapter 2 reached through its existing user interface	The service is present and working at the unit, and each of those three platforms is reachable from it	Reachability record with date, time and result against each of the three
C-4 Removable-media crossing procedure and register	AT-17. Crossing exercised once in each direction on a registered, single-purpose medium sanitised after use	Both crossings complete and recorded; sanitisation evidenced; no other path used and none available	Crossing register carrying both entries, with the sanitisation record
C-5 Hardening	Published hardening checklist applied and evidenced machine by machine	Every checklist line satisfied; default accounts removed; unused ports and interfaces disabled; every deviation entered in the deviation register	Signed checklist per machine with configuration export
C-6 Write blocking	AT-01. On every acquisition path of every delivered device: source hash taken, a write attempted, source hash retaken	Source hash unchanged, the write refused, and evidence of the refusal produced	Write-blocking record carrying both hashes and the refusal evidence
C-7 Imager throughput	AT-02, AT-21, AT-23. Timed acquisition of the Department's reference source media with hashing enabled	Sustained rate not below the floor published for that item on each reference workload at Annexure B; hash matches the known answer	Timed acquisition log with rate, hashes and comparison
C-8 Storage capacity, configuration floors and benchmark	AT-11, AT-25, AT-28. Capacity and configuration reports read from every delivered machine after the redundancy configuration is applied, and the published benchmark run on each; at Headquarters, absence of a case store on the laboratory-grade workstation verified	Usable capacity not less than 16 TB at a District, 32 TB at a Commissionerate and 96 TB at Headquarters, raw provisioning not less than 32 TB, 64 TB and 144 TB respectively; at each District an acquisition target store of not less than 8 TB usable and 16 TB raw on the node, additional to and not counted towards the workstation figure; and on every delivered machine, physical-core count, main memory and its error-correcting state, dedicated graphics memory, system volume and benchmark score not below the floors published for its class	Capacity report, configuration report and benchmark record retained with the configuration export, per machine
C-9 Immutable logging	AT-26. Deletion and alteration of a log entry attempted from an administrative account	Both attempts refused, and each attempt itself recorded; retention configured to the stated period	Log-integrity record showing the refused attempts and their own log entries
C-10 Time synchronisation	AT-24. Clock source configuration inspected and drift measured against the national reference	Every machine synchronised to the national reference, within the published tolerance	Time-source configuration export and drift measurement
C-11 Unit-level power provision runtime	AT-19. Mains interrupted at IN-07 at the unit's measured residual connected load, being the load Chapter 10, Table 10.30 assigns to IN-07 and not to IN-08	The stated runtime achieved at that measured load, being not less than 60 minutes at a field unit and 30 minutes at Headquarters; evidence-holding-area lighting and the access record not interrupted; at a Commissionerate a bench imaging operation in progress completes or is brought to a recorded and hash-verified stop	Witnessed runtime record with the measured load, the covered-load list reconciled against Table 10.30, the operation log and both hashes
C-12 Authenticated operator identity	AT-18. An unattributed session attempted on the workstation and on the processing node	Refused, and the refusal logged to tamper-evident local storage	Session-log extract carrying the refused attempts
C-13 Physical	AT-20. Cabinets anchored; locking exercised; every sealing	Every cabinet anchored, sealing at every sealing point, permitting case	Physical inspection record with the

Test	Method	Pass criterion	Record produced
evidence holding	point sealed; access register opened	separation, with the access register in use	seal numbers applied
C-14 Absence of a perimeter device	AT-22. Physical inspection of the unit for a firewall, routing device or tunnelling device	Nil finding	Installation record stating the nil finding
C-15 Electrical and environmental provision	AT-42. Circuits, protection, earthing, lighting and environmental conditions measured against Chapter 10, Section 10.5.1, and IN-03, IN-05 and IN-08. Surge protection rating of the delivered power provision read from the manufacturer's published datasheet; the mains-interruption test at C-11 witnessed	Departmental dedicated supply not less than 3 kVA at a District, 4 kVA at a Commissionerate and 45 kVA at Headquarters; not fewer than two dedicated circuits at a District and three at a Commissionerate, allocated as Chapter 11, Section 11.7 states, and not fewer than twenty-two at Headquarters, allocated as Chapter 10, Section 10.5.1 and Annexure H, Table H.4 state; earth resistance not exceeding 5 ohms at a field unit and 1 ohm at Headquarters; residual-current protection present; the surge protection rating declared at bid published on the datasheet for the build delivered; the C-11 mains-interruption test passed under witness; every other measured value within the stated range; and the monitoring, logging and alarming of conditions in the equipment room and the training laboratory in service	Measurement record per value, with the datasheet extract and the monitoring configuration export, carried into the as-built set
C-16 Concurrent high-load acceptance test, on every delivered machine	AT-50. The test at Chapter 10, Table 10.17 run on every delivered machine of every class, on the class-specific task set at Annexure B, Table B.5, the tasks started within five minutes of one another and run simultaneously for a common loaded window of not less than sixty minutes or until every task completes, whichever is longer, with instrumentation throughout	Every pass condition at CHL-17 satisfied on the criterion published at Annexure B, AT-50, and every recorded quantity at CHL-7, CHL-13 and CHL-15 taken and retained: each task within the elapsed-time allowance published for its class; peak memory not above 85 per cent of installed memory; the page or swap device present, enabled and of the configured size throughout the window, and the bytes written to it read from the operating environment's own cumulative counters immediately before and immediately after the window and recorded, that quantity being recorded and not a pass condition, the memory pass condition being the peak-memory limit above; no task without recorded progress for more than 60 consecutive seconds; no task failing, aborting, being terminated or restarting; every screen and entry in the Case and Evidence Management System within 2 seconds across not fewer than twenty sampled actions; no thermal shutdown, and the mean recorded all-core operating frequency, across the samples taken while every task of the class's set is running, not below the base frequency declared for the offered processor at bid, samples taken after a task has completed being recorded but not counted. Failure of any one pass condition fails that machine, which is corrected or replaced and re-tested in full; a machine on which any of the recorded quantities at CHL-7, CHL-13 and CHL-15 is not recorded is not accepted; no partial pass is available	Instrument record, task logs, utilisation series and the scratch-residency observation, retained with that machine's installation record and forming part of the as-built set
C-17 Declared sustained load per machine	Load of the machine, its displays and its attached acquisition hardware measured at the socket by a recording instrument throughout the loaded window of C-16, under CHL-15	The arithmetic mean over the loaded window is that machine's declared sustained load, and is the figure at which C-18 is performed. Where it exceeds the planning figure at Chapter 10, Table 10.23 for that class by more than 20 per cent, the provision at IN-08 for that machine is re-sized to the measured load at the System Integrator's cost and the event reported under the re-sizing triggers at Chapter 3, Table 3.6	Measured load series with the computed mean, per machine
C-18 Per-machine power provision: runtime at the measured load	AT-49. Mains removed at IN-08 while the protected machine runs the concurrent high-load workload of Table 10.17, timed from the instant of removal	Not less than 30 minutes at the sustained load declared at C-17, with the machine's displays and attached acquisition hardware connected. Runtime measured at idle is not accepted as evidence of compliance in any circumstance	Witnessed discharge record stating the measured runtime, the load at which it was measured, and the battery configuration, twenty-hour rating and thirty-minute derating declared under IN-08.3
C-19 Per-machine power provision: alarm and monitored graceful	AT-49. Mains removed and the battery run to the configured remaining-runtime threshold with no operator intervention	The audible alarm sounds and the on-screen alarm at the protected machine states the runtime remaining; graceful shutdown is initiated automatically at the configured threshold; the machine closes down in an orderly sequence before the battery is exhausted; nothing in progress is left unwritten; and the monitoring connection is direct to the protected machine, carrying no path to any network	Witnessed shutdown record with the alarm log, the threshold configured, the shutdown sequence and the interface listing

Test	Method	Pass criterion	Record produced
shutdown			
C-20 Per-machine power provision: acquisition through an interruption	AT-49. Mains removed at IN-08 during a live acquisition on Department-supplied source media at the protected machine	The acquisition completes, or closes cleanly with the image marked partial, the acquisition log written in full and the hash computed and verified. No truncated image is left unmarked in any circumstance, and the hash of the source is unchanged	Witnessed interruption record with the acquisition log, the partial marking where it applies, and the source and image hashes

A unit whose Evidence Processing Zone has a path outside itself fails C-1 and is not accepted, whatever else it passes. C-3 verifies the presence and working of the departmental internet service and nothing further: no interface, integration, data exchange or system-to-system linkage with any national platform is in scope, built or tested at any stage. None of C-16 to C-20 is waived.

C-15 measures a divided provision, apportioned at Chapter 11, Section 11.7: the Department provides the room and its fabric, air conditioning, lighting, the electricity supply including the dedicated circuits, earthing and protection, and physical security of the premises; the System Integrator provides, installs, configures and maintains everything technological placed within that room. Its obligation on environment is to monitor, log and alarm conditions in the equipment room and the training laboratory, not to supply cooling plant.

18.6 Stage D: Site acceptance

Stage D is the functional proof that the unit can do casework. It is conducted against the published test plan at Annexure B, on Department-supplied material, by the unit's own trained officers. The System Integrator assists on the operation of the tools and on nothing else.

Table 18.5: Stage D: site acceptance

Test	Method	Pass criterion	Record produced
D-1 End-to-end evidential run	AT-02, AT-03, AT-10, AT-12, AT-13, run in sequence on one Department-supplied exhibit received, sealed, registered, classified, acquired under write blocking, hash-verified, examined, reported and archived at the unit	The output reproduces the known answer; hashes match at every stage; the register carries every entry with its author and time	The complete case file for the acceptance exhibit, retained
D-2 Concurrency at a District	AT-09	Both complete within the published time; neither degrades the other beyond the published tolerance	Concurrent-run record with both machine logs
D-3 Concurrent sessions	AT-06 and AT-07	Not fewer than two concurrent processing sessions on the host suite and three concurrent device acquisitions on the mobile suite, achieved at the unit by any licensing mechanism at no additional charge during the term	Witnessed concurrency record and the licence entitlement inspection
D-4 Offline operation and continuity of entitlement	AT-15 and AT-51	Activation succeeds offline; operation, processing, reporting and export continue with every external interface disconnected; no online re-validation required at any point; the entitlement artefact carries no expiry date, time-limited key, licence lease or reactivation term; the capture shows no entitlement-related communication of any kind; the import is logged in the crossing register	Offline operation record, entitlement-artefact inspection record, traffic capture and the crossing register entry
D-5 Bounded triage	AT-04	A hashed, case-bound triage package and a summary stating what was searched, what was found and what was not searched, together with the result of the escalation test, being the check performed against the published referral criteria R-1 to R-9 at Annexure C to determine whether the case exceeds the unit's own capability	Triage package with its hash, and the summary

Test	Method	Pass criterion	Record produced
D-6 Telecom record analysis	AT-08	Correlation, timeline and cell-site plots produced; open-format export readable	Output compared against the known answer
D-7 Case and Evidence Management System	AT-12 and AT-13	Every published column set at Annexure D present and populated; an identifier typed or edited by a user is refused; a classification carrying no criterion code is refused; self-approval refused under maker-checker; log deletion refused; the monthly return matches the published format; the court-file export opens on an independent machine and hash-verifies	Register test record with the generated return and the export
D-8 Absence of any consolidation function	AT-14 and AT-38	No server, consolidation, replication or synchronisation function exists in the delivered build or can be configured in it; at Headquarters, case registration is unavailable and a referral entry opens only against an originating unit's identifiers	Configuration inspection record
D-9 Documentation and handover	AT-43. As-built drawings, labelling schedule, configuration exports and operating documentation handed over with the C-16 to C-20 records for every machine and provision at the unit	Complete before the certificate is signed	Handover record countersigned by the Unit In-charge
D-10 Training gate	Course completion date of each of the unit's in-person-trained examiners checked against the scheduled commissioning date	Every one of them completed not later than thirty days before that date	Training records filed as a precondition of the certificate

The site acceptance certificate certifies capability, not delivery. The training laboratory at Headquarters is accepted ahead of the balance of that build, on the training-laboratory acceptance certificate at Table 18.10, due not later than month 4; where a clock at Table 18.8 is not met, Section 18.11 applies. Every certificate named in this Request for Proposal is defined at Section 18.13 with its issuer, trigger, clock and consequence.

18.7 Additional verifications at Headquarters and the training laboratory

Headquarters carries five zones, an out-of-band management domain and the referral register. These verifications are additional to Stages C and D and not a substitute for them, each conducted under the acceptance test cited against it. The tests in this section are coded H-1 to H-7; H denotes Headquarters and is not a stage.

Table 18.6: Additional verifications at Headquarters

Test	Method	Pass criterion	Record produced
H-1 Five zones and the management domain	AT-39. Port map, policy-set export and administrative-role listing per zone; an administrative login attempted without the second factor	Not fewer than six separately administered domains, one for each of the five Headquarters zones and one for the management domain, each with its own policy set, administrative role and audit trail, by any mechanism; administrative access refused without the second factor	Zone and role listing with the refused login recorded
H-2 Authorisation gate	AT-30. Each authorisation-gated item operated first without, and then with, the written approval of the authorised officer recorded in the authorisation register, the authorised officer being an officer of the Cyber Crime Headquarters of a rank designated by the Department for the purpose	Refused without the approval; proceeds with it, writing a per-attempt audit entry; the authorisation register is separately administered with its own audit trail, and the register entry precedes the attempt	Negative and positive test records with the register entry
H-3 Non-attributable egress segme	AT-34. Egress path demonstrated from the online-investigation item; interface listing on every evidence-processing machine	Egress managed and separately administered, with no path from that segment to any evidence-processing system	Egress demonstration record and interface listing

Test	Method	Pass criterion	Record produced
nt			
H-4 Referral register configuration	AT-38. Case registration attempted on the Headquarters instance; a referral entry opened against originating identifiers	Case registration unavailable; a referral entry opens only against an originating unit's case and exhibit identifiers	Configuration inspection record with the attempted registration recorded as unavailable
H-5 Redundancy and rebuild	AT-25. Two devices removed concurrently from the compute and storage platform, kept under a processing load throughout	The platform continues to serve without data loss, and the rebuild completes within the contracted rebuild time measured from the moment of removal	Witnessed device-removal record with the measured rebuild elapsed time against the contracted figure
H-6 Restore and recovery	AT-27. A full restore from the backup and archive tier, hash-verified against the source manifest; a witnessed failover	The restore completes within the contracted restore time and hash-verifies; the stated recovery-point and recovery-time figures are met	Restore record with hash comparison; failover record with measured elapsed times
H-7 Training laboratory	AT-41 and AT-53. All thirty learner endpoints and the instructor endpoint operated simultaneously on theory, demonstration and assessment; all thirty learner endpoints then operated simultaneously on the training instance of one hands-on class, and the exercise repeated on a second hands-on class; the training device sets counted and inspected; and a live session livestreamed from the laboratory and received at a field unit over that unit's own Controlled Internet Zone endpoint, or at a representative endpoint where the Department so directs	Thirty learner endpoints and the instructor endpoint functional and usable simultaneously, each fully equipped and carrying the whole training instance set; not fewer than thirty concurrent entitlements of each hands-on licence class sustained, all thirty learners being in the same hands-on module at the same time, no learner waiting for a seat and no cohort divided; no path from the training network to any evidential zone, and the remote-delivery endpoint separated from the learner segments; not fewer than thirty training device sets present, holding no evidential data; the livestream received at the receiving endpoint with vision, sound and the instructor's screen each observed there, and no path from the originating endpoint to any learner segment or to any evidential zone	Laboratory acceptance record with the endpoint count, the port map, the concurrent-entitlement evidence for each hands-on class, the device-set inventory, and the livestream receipt record with its interface listing and outbound-traffic capture

A laboratory that delivers thirty learner endpoints but cannot sustain not fewer than thirty concurrent entitlements of every hands-on licence class fails H-7; so does one that sustains those entitlements on fewer than thirty endpoints, one that cannot produce thirty training device sets, and one that cannot deliver the livestream at IN-04.14 to a receiving endpoint. The laboratory is accepted whole, a partial acceptance not being available for this item, and its acceptance is due by month 4.

18.8 Stage E: Wave acceptance

Stage E is a reconciliation and not a re-test: the Wave Delivery and Acceptance Committee reconciles certificates, non-conformance closures and records against the wave's composition at Annexure A, and may direct any test to be repeated at any unit in the wave before it certifies. The certificate releases that wave's tranche under Chapter 8 and Chapter 14, Section 14.5.

A unit deferred on a departmental not-ready certification is excluded from its wave and re-sequenced into a later wave or a catch-up slot before final commissioning; its exclusion does not delay the wave and does not defer or reduce payment for the units accepted in it.

18.9 Stage F: Final commissioning

Final commissioning certifies the completed estate, and is issued when every condition below is satisfied.

- All five wave acceptance certificates have been issued and every unit enumerated at Annexure A has been accepted.
- Every non-conformance of either class is closed.
- The initial training programme is complete, being every batch and every remote cohort delivered, assessed and passed at the published pass percentage, and every cascade practical returned so far as due at that date. A unit whose ninety-day cascade period under Chapter 12, Section 12.7 has not expired at that date is excluded from this condition and its cascade is measured under Chapter 11, Table 11.7. The Wave Delivery and Acceptance Committee certifies this on the records produced under acceptance test AT-45.

- The spares holding and consumable set are delivered at the quantities stated in the technical bid under Chapter 10, Section 10.7.5.
- The specialist cadre is filled, with background verification complete for every post.
- The documentation register reconciles to every deliverable.

The certificate is signed by the Wave Delivery and Acceptance Committee and approved by the Apex Procurement Committee. It releases the final tranche and the delivery-stage guarantees, and starts the operations period.

18.10 Non-conformance classification, closure and the re-test rule

Every non-conformance is classified by the Wave Delivery and Acceptance Committee, at the stage at which it is found, into one of two classes and no others.

Table 18.7: Non-conformance classification, closure clocks and effect

Class	Definition	Examples	Closure clock	Effect on acceptance and payment
Major	Any non-conformance affecting evidential integrity, zone separation, write blocking, hashing or verification, log immutability, authenticated operator identity, a contractual capacity floor, a configuration floor or benchmark score, a stated runtime or throughput figure, a declared ingress protection rating, a pass condition of the concurrent high-load acceptance test, the continuity of operation of a software item, or a published mandatory acceptance criterion; and the supply of prohibited goods	Egress from the Evidence Processing Zone; a write reaching a source device; a capacity, configuration, benchmark or throughput floor below the published figure; a machine failing any pass condition of the concurrent high-load test; a per-machine supply delivering less than 30 minutes at the measured load; an acquisition truncated and left unmarked; an entitlement artefact carrying an expiry or reactivation term; a refurbished item; log deletion permitted	21 working days	Blocks acceptance of the affected item. The tranche otherwise released for that unit is reduced by the value of the affected item at the item-wise schedule of rates, that amount being released on closure of the non-conformance and not before. Where the affected item is one without which the unit cannot complete test D-1, the unit's site acceptance certificate is withheld in whole until closure
Minor	Any non-conformance outside the major definition, which does not prevent the item being used for its purpose	Labelling, documentation or as-built omissions; cosmetic damage; a non-evidential accessory shortfall; a register field not yet populated	7 working days	Does not block acceptance or payment for unaffected items. The certificate is issued with each open minor item listed on its face and its closure date stated

The re-test rule is uniform across all six stages and admits no variation.

- A closed non-conformance is verified by re-running the failed test in full, never in part, and never by inspection of a rectification report alone.
- The failed record is retained and is never replaced, amended or destroyed. The re-test record is filed with it and the certificate lists both.
- The re-test is at the System Integrator's cost, including the attendance of departmental officers where a further visit to the unit is required.
- A test failed twice at the same unit is referred to the Technical Committee for advice. On that advice the Wave Delivery and Acceptance Committee either directs a third and final re-test, to be completed within fifteen working days of the direction, or records the item as not accepted at that unit.
- Where the same test fails at more than 10 per cent of the units in a wave, and at not fewer than three units of that wave, the cause is treated as systemic: wave acceptance is suspended, the System Integrator submits a root-cause report within 10 working days, and on its acceptance that test is re-run at every unit in the wave and at every unit already accepted in an earlier wave carrying the same item class. The cost falls on the System Integrator.
- Prohibited goods are not re-tested. The item is replaced with a conforming item and re-inspected from Stage A.

18.11 The departmental clock, tolling, and the absence of deemed acceptance

The Department's own obligations carry hard clocks. Every clock at Table 18.8 governs the commencement and the conduct of the test as well as the certificate that follows it, so that no stage may be held open by delaying the test itself.

Table 18.8: Departmental inspection, testing and certification clocks

Stage	Departmental obligation	Clock
A	Commence pre-dispatch inspection of a batch offered for inspection	5 working days from the date from which the batch is available under a complete written notice of readiness
A	Complete pre-dispatch inspection of that batch	10 working days from that date
A	Issue the pre-dispatch inspection certificate after successful completion of the inspection	5 working days
B	Complete delivery inspection of a delivered consignment at a unit	15 working days from delivery
C	Commence the conduct of installation and configuration verification testing at a unit offered for verification	5 working days from the System Integrator's complete written notice that the unit is ready for verification
C	Complete the conduct of that testing and verify and close the installation and configuration verification record	10 working days from that notice
D	Commence the conduct of site acceptance testing at a unit whose installation and configuration verification record is closed	5 working days from the closure of that record, or from the System Integrator's complete written notice that the unit is ready for site acceptance testing, whichever is the later
D	Complete site acceptance testing at that unit	15 working days from the closure of that record
D	Issue the site acceptance certificate after successful completion of testing	10 working days
D	Issue the training-laboratory acceptance certificate after successful completion of test H-7 and of acceptance tests AT-41 and AT-53	10 working days, and in any event not later than month 4
E	Issue the wave acceptance certificate after the last site acceptance certificate in the wave	15 working days
F	Issue the final commissioning certificate after the last wave acceptance certificate	15 working days

Once commenced, testing at a batch or unit proceeds on consecutive working days until complete. It is suspended only for a cause recorded in writing at the time and reported to the Wave Delivery and Acceptance Committee, and a suspension attributable to the Department does not extend the clock for completion.

There is no deemed acceptance at any stage, in any circumstances. On expiry of a clock, the System Integrator's delivery-schedule obligations and liquidated-damages exposure for the affected units are tolled for the period of the delay, no service credit arises against it for that period, and the matter escalates automatically to the Apex Procurement Committee, which decides within the maximum decision time at Chapter 5, Section 5.12.

Tolling does not run where the notice of readiness was incomplete, where the goods or the site were not available for the test, or where the delay arises from the System Integrator's own act. A notice of readiness is complete when it states the batch or unit, its Annexure A reference, the item identifiers and quantities offered, and the date from which the goods or the site are available. The Programme Management Unit assesses completeness within 3 working days of receipt and states in writing every particular found wanting; a notice not assessed within that period is taken to be complete, and the clock runs from its receipt.

18.12 Records, retention and the sign-off block

The complete inspection and test record set for each unit is retained under the retention schedule at Annexure L, one copy at the unit and one at Headquarters, and the record templates are published at Annexure G. Every item identifier in the Bill of Materials appears in at least one test in this chapter or at Annexure B, and no test exists without an item.

One sign-off block closes every stage. It is stated once, here, is the block on which every record made under Annexure G is closed and signed, and is restated in no other table of this Request for Proposal or its annexures.

Table 18.9: The sign-off block, used at every stage

Field	Content
Stage	A, B, C, D, E or F
Unit or batch	Unit name and its Annexure A reference, or the batch reference
Items covered	Item identifiers and serial numbers
Tests applied	Test references from this chapter and from Annexure B
Result	Pass or fail against each test reference
Non-conformances raised	Reference, class, date raised, date due, date closed
Open minor items carried on the	Reference and closure date

Field	Content
certificate	
For the System Integrator	Name, designation, signature, date
For the Department	Name, designation, signature, date
Countersignature	Unit In-charge at Stages B, C and D; Wave Delivery and Acceptance Committee at Stages D, E and F

18.13 The certificates: issuer, trigger, clock and consequence

Every certificate and every gating record named anywhere in this Request for Proposal is defined at Table 18.10, and no certificate exists outside it. A certificate is issued only on the record of the tests named against it, is signed on the sign-off block at Table 18.9, and is withheld where a major non-conformance affecting the item it certifies remains open. The clock for each is at Table 18.8, and the performer and the consequence of failure at Table 18.1.

Table 18.10: The register of certificates and gating records

Certificate or record	Issued by	Trigger	Consequence
Site-readiness certificate, per unit	The Department and the System Integrator jointly, at the joint site-readiness verification sixty days before that unit's scheduled deployment date	Every applicable mandatory row at Annexure H satisfied, being K-A to K-K at every unit and the further rows Annexure H marks mandatory at Headquarters	Entry condition for delivery to that unit; nothing is despatched to a unit without it. Valid for 120 days, after which the unit is re-verified before despatch. No tranche
Pre-dispatch inspection certificate, per batch	Programme Management Unit with the System Integrator	Tests A-1 to A-9 passed for the batch	The batch may be despatched, and none is consigned without it. No tranche
Delivery inspection record, per unit	Unit In-charge with the System Integrator	Tests B-1 to B-7 passed at the unit	Gate for tranche M2
Installation and configuration verification record, per unit	System Integrator, verified and closed by the Programme Management Unit	Tests C-1 to C-20 passed at the unit	A precondition of Stage D. No tranche
Training-laboratory acceptance certificate	Wave Delivery and Acceptance Committee	Test H-7 and acceptance tests AT-41 and AT-53 passed, and in any event not later than month 4	Accepts the training laboratory at IN-04 whole, a partial acceptance not being available for the item, and permits the initial training programme to begin. No tranche
Site acceptance certificate, per unit	Wave Delivery and Acceptance Committee	Tests D-1 to D-10 passed at the unit, on a closed installation and configuration verification record	Gate for tranche M3. Certifies capability. Commences the warranty entitlement under A-3 and the three-year entitlement currency period for every software item deployed at that unit
Wave acceptance certificate, per wave	Wave Delivery and Acceptance Committee	Every unit in the wave holds a site acceptance certificate, every major non-conformance in the wave is closed, the as-built set is complete and the training gate is satisfied for each unit	Gate for tranche M4 for that wave. For wave W0, acceptance also triggers the mobilisation from programme month 6 of the nine Headquarters specialist posts under Chapter 11, Section 11.12
Final commissioning certificate	Wave Delivery and Acceptance Committee, approved by the Apex Procurement Committee	Every condition at Section 18.9 satisfied in full	Gate for tranche M5. Releases the delivery-stage guarantees, starts the operations period, and is the date from which all twenty Headquarters specialist posts are engaged under Chapter 11, Section 11.12
Departmental not-ready certification, per unit	The Department, at the joint site-readiness verification, sixty days before that unit's scheduled deployment date	The unit is not certified ready, being status R3 at Annexure A, Table A.3	Excludes the unit from its wave without liquidated damages and without service credit and re-sequences it into a later wave or a catch-up slot; does not delay the wave or defer payment for units accepted in it
Software quality certificate with the software bill of materials, per software item and per version	The principal of the software item concerned	Each delivery of a software item and each version delivered during the term, furnished at or before that delivery	An item delivered without both is not inspected. Verified at test B-6 and at acceptance test AT-52
Closure certificate	Programme Management Unit, on the exit and knowledge-transfer deliverables at Chapter 13,	Every deliverable E-1 to E-9 accepted and every non-conformance against them closed	Releases the performance security under Chapter 14, Table 14.6, and the final tranche for the recurring services. No capital tranche

Certificate or record	Issued by	Trigger	Consequence
	Table 13.7		

Annexure A: Unit Schedule and Deployment Plan

A.1 Purpose and standing of this annexure

This annexure fixes, against every unit of the CIDAL estate, its tier, its delivery lot, its wave and its site-readiness status. It is the register against which delivery, inspection, site acceptance, wave acceptance and milestone payment are administered. Every reference to a unit in this Request for Proposal, in the resulting contract and in every acceptance record is a reference to a serial number in Table A.4. A consignment, inspection record, test record, certificate or payment claim that cannot be reconciled to a serial in that table is not admissible in the acceptance process.

The estate is one Headquarters, seven Commissionerates and sixty-eight Districts: seventy-six units, of which seventy-five are field units. All case intake, case registration and direct evidence acquisition occur at the field units; Headquarters registers no cases, maintains a referral register and performs referred examinations. Every unit operates standalone, and nothing in this deployment plan creates, procures or assumes a data connection between units.

The tier determines the unit's item entitlement in full; the tier packages are at Chapter 9, and a unit receives the package of its tier and nothing else. The premises at which a unit is housed and the officers holding its three duties are notified by the Department at the joint site-readiness verification; a change to either is an administrative act requiring no change request. Each mandatory readiness row is certified against the unit's serial on the readiness register at Annexure H.

A.2 Column definitions and the rules that fix them

Table A.1: Column definitions and permitted values

Column	Definition	Permitted values
Serial	The unique reference for the unit throughout this Request for Proposal, the contract and every acceptance record. Never reused and never renumbered	1 to 76
Unit	The name by which the unit is identified for delivery, inspection and acceptance	As stated in Table A.4
Tier	The capability grade at which the unit is equipped, and therefore its entitlement under Chapter 9	Headquarters, Commissionerate, District
Delivery lot	The consignment and staging grouping under which the unit's items are pre-dispatch inspected and despatched	Lot HQ, Lot CM, Lot A, Lot B, Lot C
Wave	The installation and acceptance wave to which the unit belongs, under Chapter 11	W0, W1, W2, W3, W4
Readiness	The site-readiness status of the unit, maintained against the code set at Table A.3	R0, R1, R2, R3
Unit-wise dates	The four dates fixed for the unit in the deployment schedule approved under Chapter 11, Section 11.11: despatch, delivery, completion of installation and configuration verification, and offer for site acceptance testing. Entered on approval of that schedule and not published with the tender	Dates within the installation window published for the unit's wave at Table A.2

One delivery lot corresponds to one wave. A lot may be despatched in more than one batch; each batch carries its own pre-dispatch inspection certificate under Chapter 18, and no batch is consigned to units in more than one lot. Headquarters forms Lot HQ and the seven Commissionerates Lot CM. The sixty-eight Districts are enumerated in alphabetical order of unit name and that sequence is divided into three consecutive blocks of twenty-three, twenty-three and twenty-two, forming Lot A, Lot B and Lot C.

Each unit belongs to exactly one wave. Wave composition, installation windows and the wave acceptance gate are at Chapter 11 and are summarised at Table A.2. The windows of consecutive waves overlap by design; the wave acceptance gate conditions wave acceptance and the release of the corresponding payment tranche, and does not condition the opening of the next installation window.

Table A.2: Delivery lots, waves and installation windows

Delivery lot	Tier	Units	Wave	Installation window, months from the contract effective date	Wave acceptance by month
Lot HQ	Headquarters	1	W0	3 to 6	6

Delivery lot	Tier	Units	Wave	Installation window, months from the contract effective date	Wave acceptance by month
Lot CM	Commissionerate	7	W1	7 to 10	10
Lot A	District	23	W2	9 to 12	12
Lot B	District	23	W3	11 to 14	14
Lot C	District	22	W4	13 to 15	15
Total		76			Final commissioning at month 16

The training laboratory within Lot HQ is separately certified, accepted by month 4 on the training-laboratory acceptance certificate at Chapter 18, ahead of the balance of the Headquarters build. No unit is commissioned until its in-person-trained examiner has completed the core course.

Table A.3: Site-readiness status codes

Code	Meaning	Consequence
R0	Not yet surveyed. Joint site-readiness verification not yet due	The unit is verified jointly sixty days before its own scheduled deployment date, as recorded on the readiness register at Annexure H
R1	Surveyed; departmental works identified and in hand	The unit remains in its wave; the works are tracked to the verification date
R2	Certified ready. Every mandatory row at Annexure H certified, including the internet row	The unit is released for delivery and installation in its wave
R3	Certified not ready	The unit is deferred from its wave without liquidated damages and without service credit, and is re-sequenced into a later wave or a catch-up slot before final commissioning

Every unit stands at R0 on issue, no joint site-readiness verification being yet due. The Programme Management Unit maintains the column thereafter, and a unit's status on any date is the status recorded against its serial on that date. A change of readiness status requires no change request. A change to a unit's tier, lot or wave is a change to this schedule and is made only under the change-control procedure at Chapter 11.

A.3 The unit schedule

Table A.4: The unit schedule: all seventy-six units

Serial	Unit	Tier	Delivery lot	Wave	Readiness	Unit-wise dates
1	Headquarters, Cyber Investigation and Digital Assistance Lab	Headquarters	Lot HQ	W0	R0	To be fixed under Chapter 11, Section 11.11
2	Agra	Commissionerate	Lot CM	W1	R0	To be fixed under Chapter 11, Section 11.11
3	Gautam Buddh Nagar	Commissionerate	Lot CM	W1	R0	To be fixed under Chapter 11, Section 11.11
4	Ghaziabad	Commissionerate	Lot CM	W1	R0	To be fixed under Chapter 11, Section 11.11
5	Kanpur Nagar	Commissionerate	Lot CM	W1	R0	To be fixed under Chapter 11, Section 11.11
6	Lucknow	Commissionerate	Lot CM	W1	R0	To be fixed under Chapter 11, Section 11.11
7	Prayagraj	Commissionerate	Lot CM	W1	R0	To be fixed under Chapter 11, Section 11.11
8	Varanasi	Commissionerate	Lot CM	W1	R0	To be fixed under Chapter 11, Section 11.11
9	Aligarh	District	Lot A	W2	R0	To be fixed under Chapter 11, Section 11.11
10	Ambedkar Nagar	District	Lot A	W2	R0	To be fixed under Chapter 11, Section 11.11
11	Amethi	District	Lot A	W2	R0	To be fixed under Chapter 11, Section 11.11
12	Amroha	District	Lot A	W2	R0	To be fixed under Chapter 11, Section 11.11
13	Auraiya	District	Lot A	W2	R0	To be fixed under Chapter 11, Section 11.11
14	Ayodhya	District	Lot A	W2	R0	To be fixed under Chapter 11, Section 11.11
15	Azamgarh	District	Lot A	W2	R0	To be fixed under Chapter 11, Section 11.11

Serial	Unit	Tier	Delivery lot	Wave	Readiness	Unit-wise dates
16	Baghpat	District	Lot A	W2	R0	To be fixed under Chapter 11, Section 11.11
17	Bahraich	District	Lot A	W2	R0	To be fixed under Chapter 11, Section 11.11
18	Ballia	District	Lot A	W2	R0	To be fixed under Chapter 11, Section 11.11
19	Balrampur	District	Lot A	W2	R0	To be fixed under Chapter 11, Section 11.11
20	Banda	District	Lot A	W2	R0	To be fixed under Chapter 11, Section 11.11
21	Barabanki	District	Lot A	W2	R0	To be fixed under Chapter 11, Section 11.11
22	Bareilly	District	Lot A	W2	R0	To be fixed under Chapter 11, Section 11.11
23	Basti	District	Lot A	W2	R0	To be fixed under Chapter 11, Section 11.11
24	Bhadohi (Sant Ravidas Nagar)	District	Lot A	W2	R0	To be fixed under Chapter 11, Section 11.11
25	Bijnor	District	Lot A	W2	R0	To be fixed under Chapter 11, Section 11.11
26	Budaun	District	Lot A	W2	R0	To be fixed under Chapter 11, Section 11.11
27	Bulandshahr	District	Lot A	W2	R0	To be fixed under Chapter 11, Section 11.11
28	Chandauli	District	Lot A	W2	R0	To be fixed under Chapter 11, Section 11.11
29	Chitrakoot	District	Lot A	W2	R0	To be fixed under Chapter 11, Section 11.11
30	Deoria	District	Lot A	W2	R0	To be fixed under Chapter 11, Section 11.11
31	Etah	District	Lot A	W2	R0	To be fixed under Chapter 11, Section 11.11
32	Etawah	District	Lot B	W3	R0	To be fixed under Chapter 11, Section 11.11
33	Farrukhabad (Fatehgarh)	District	Lot B	W3	R0	To be fixed under Chapter 11, Section 11.11
34	Fatehpur	District	Lot B	W3	R0	To be fixed under Chapter 11, Section 11.11
35	Firozabad	District	Lot B	W3	R0	To be fixed under Chapter 11, Section 11.11
36	Ghazipur	District	Lot B	W3	R0	To be fixed under Chapter 11, Section 11.11
37	Gonda	District	Lot B	W3	R0	To be fixed under Chapter 11, Section 11.11
38	Gorakhpur	District	Lot B	W3	R0	To be fixed under Chapter 11, Section 11.11
39	Hamirpur	District	Lot B	W3	R0	To be fixed under Chapter 11, Section 11.11
40	Hapur	District	Lot B	W3	R0	To be fixed under Chapter 11, Section 11.11
41	Hardoi	District	Lot B	W3	R0	To be fixed under Chapter 11, Section 11.11
42	Hathras	District	Lot B	W3	R0	To be fixed under Chapter 11, Section 11.11
43	Jalaun	District	Lot B	W3	R0	To be fixed under Chapter 11, Section 11.11
44	Jaunpur	District	Lot B	W3	R0	To be fixed under Chapter 11, Section 11.11
45	Jhansi	District	Lot B	W3	R0	To be fixed under Chapter 11, Section 11.11
46	Kannauj	District	Lot B	W3	R0	To be fixed under Chapter 11, Section 11.11
47	Kanpur Dehat	District	Lot B	W3	R0	To be fixed under Chapter 11, Section 11.11
48	Kasganj	District	Lot B	W3	R0	To be fixed under Chapter 11, Section 11.11
49	Kaushambi	District	Lot B	W3	R0	To be fixed under Chapter 11, Section 11.11
50	Kushinagar	District	Lot B	W3	R0	To be fixed under Chapter 11, Section 11.11
51	Lakhimpur Kheri	District	Lot B	W3	R0	To be fixed under Chapter 11, Section 11.11
52	Lalitpur	District	Lot B	W3	R0	To be fixed under Chapter 11, Section 11.11
53	Maharajganj	District	Lot B	W3	R0	To be fixed under Chapter 11, Section 11.11
54	Mahoba	District	Lot B	W3	R0	To be fixed under Chapter 11, Section 11.11
55	Mainpuri	District	Lot C	W4	R0	To be fixed under Chapter 11, Section 11.11
56	Mathura	District	Lot C	W4	R0	To be fixed under Chapter 11, Section 11.11
57	Mau	District	Lot C	W4	R0	To be fixed under Chapter 11, Section 11.11
58	Meerut	District	Lot C	W4	R0	To be fixed under Chapter 11, Section 11.11
59	Mirzapur	District	Lot C	W4	R0	To be fixed under Chapter 11, Section 11.11
60	Moradabad	District	Lot C	W4	R0	To be fixed under Chapter 11, Section 11.11
61	Muzaffarnagar	District	Lot C	W4	R0	To be fixed under Chapter 11, Section 11.11
62	Pilibhit	District	Lot C	W4	R0	To be fixed under Chapter 11, Section 11.11
63	Pratapgarh	District	Lot C	W4	R0	To be fixed under Chapter 11, Section 11.11
64	Raebareli	District	Lot C	W4	R0	To be fixed under Chapter 11, Section 11.11
65	Rampur	District	Lot C	W4	R0	To be fixed under Chapter 11, Section 11.11
66	Saharanpur	District	Lot C	W4	R0	To be fixed under Chapter 11, Section 11.11
67	Sambhal	District	Lot C	W4	R0	To be fixed under Chapter 11, Section 11.11

Serial	Unit	Tier	Delivery lot	Wave	Readiness	Unit-wise dates
68	Sant Kabir Nagar	District	Lot C	W4	R0	To be fixed under Chapter 11, Section 11.11
69	Shahjahanpur	District	Lot C	W4	R0	To be fixed under Chapter 11, Section 11.11
70	Shamli	District	Lot C	W4	R0	To be fixed under Chapter 11, Section 11.11
71	Shrawasti	District	Lot C	W4	R0	To be fixed under Chapter 11, Section 11.11
72	Siddharthnagar	District	Lot C	W4	R0	To be fixed under Chapter 11, Section 11.11
73	Sitapur	District	Lot C	W4	R0	To be fixed under Chapter 11, Section 11.11
74	Sonbhadra	District	Lot C	W4	R0	To be fixed under Chapter 11, Section 11.11
75	Sultanpur	District	Lot C	W4	R0	To be fixed under Chapter 11, Section 11.11
76	Unnao	District	Lot C	W4	R0	To be fixed under Chapter 11, Section 11.11

A.4 Reconciliation of the schedule

Table A.5: Reconciliation of the unit schedule

Basis of count	Headquarters	Commissionerate	District	Total
By tier	1	7	68	76
By delivery lot	Lot HQ, 1	Lot CM, 7	Lot A 23, Lot B 23, Lot C 22	76
By wave	W0, 1	W1, 7	W2 23, W3 23, W4 22	76
Field units	nil	7	68	75
Units registering cases	nil	7	68	75
Units holding a data connection to another unit	nil	nil	nil	nil

Every serial appears once and only once; every unit carries exactly one tier, one delivery lot, one wave and one readiness status; the three District lots sum to sixty-eight and the five waves sum to seventy-six.

Annexure B: Acceptance Test Plan

B.1 Method

- Every test states what is tested, how, what passes and what record is kept. The passing result is a known answer: a hash, count, rate, capacity, runtime or refusal, fixed by the Department in advance and not disclosed to the System Integrator before the test. A test whose expected result cannot be stated in advance does not appear here.
- Rule 1. The Department publishes the method and supplies the material. A supplier's test method, dataset or demonstration on supplier-supplied material is not evidence of compliance; no test is satisfied by a declaration, brochure or compliance table; a manufacturer's published datasheet is evidence only where a test here expressly admits it.
- Rule 2. Every test is recorded as an expected-versus-actual matrix in the form at Table B.1, retained whether the test passes or fails.
- Rule 3. No criterion may be waived, by any body, in any change class.
- Rule 4. No acceptance is deemed; where the Department delays, the System Integrator's obligations for the affected units are tolled instead.
- The plan runs within the six-stage acceptance process at Chapter 18 and creates no stage of its own. Where a test fails, the classification, closure clock and re-test rule at Chapter 18 apply.
- At pre-dispatch inspection one unit of each item class in a batch is tested against the case published for that class, being the test executable at a staging facility on Department-supplied material without the unit's own installation: AT-01 acquisition devices; AT-02 and AT-05 host and mobile suites; AT-08 telecom analyser; AT-12 register; AT-20 evidence cabinet; AT-23 bench imager; AT-51 every software entitlement. A test written against a unit or an installed configuration is not performed at pre-dispatch inspection.
- Field-unit and Headquarters tests are performed at each unit at installation verification and site acceptance and, where a test is written against a machine, at every delivered machine of that class. Programme, service and manpower tests are performed at the points stated against them.
- Device classes, operator record formats, container types, artefact manifests and seeded answer sets are held at Table B.2, which the Department maintains and refreshes without amendment to this Request for Proposal; the version applied is recorded on every test record.

Table B.1: The expected-versus-actual test record

Field	Content
Test reference	The reference of the test in this annexure
Unit	The serial and name of the unit at Annexure A, or the batch reference at pre-dispatch inspection
Item identifiers	The identifiers the test verifies
Material and dataset version	The dataset reference at Table B.2 and its published version and release date
Parameter	Each parameter the test measures, one row per parameter
Expected	The known answer for that parameter, as published
Actual	The value observed, recorded at the time of observation
Result	Pass or fail against the published criterion, per parameter and overall
Evidence retained	The log, export, capture, photograph or certificate retained with the record
Performed by, witnessed by, date and time	Named officers of both parties, with signatures

Table B.2: Department-supplied material: the dataset and reference-material register

Reference	Material	What it fixes
DS-01	Host reference image set, seeded to a published manifest	Keyword and pattern hits, deleted files for carving, timeline events, and system, log, browser, messaging, document and mail artefacts, with Hindi and Devanagari content and a right-to-left sample
DS-02	Reference solid-state source media, not less than 500 GB, populated to a known answer, with a published image hash	Source for every timed acquisition quoted on RW-1
DS-03	Reference rotating source media, not less than 1 TB, populated to a known	Source for every timed acquisition quoted on RW-2

Reference	Material	What it fixes
	answer, with a published image hash	
DS-04	Mobile device set, published by class: platform family and release, encryption state, age band and unlock state. The Department publishes the class and not a single model, so that no bidder can prepare against one handset	The population on which mobile acquisition and decoding are tested, with an encrypted backup and a published artefact manifest
DS-05	Telecom record sample sets in operator formats, with a published answer set	Correlations, first and last contact times, cell-site sequence and the tower-dump sample
DS-06	Media sample set of recorder-native and closed containers, with reference clips	Decode set and enhancement and restoration reference material
DS-07	Media authenticity known-answer set of authentic, manipulated and synthetic items in published proportions	Classification answer against which the declared operating point is reproduced
DS-08	Encrypted container and credential set, with published recovery answers	Known answer for credential and passphrase recovery and for volume decryption
DS-09	Virtual-asset transaction set with a seeded path and a published answer	Tracing, clustering and attribution answer
DS-10	Machine set of the alternative desktop platform, including a generation with non-removable storage and a dedicated security co-processor, with a supplied recovery key	Source for alternative-platform acquisition and volume decryption
DS-11	Register test case pack: a scripted case with exhibits, custody movements, triage classes and a published monthly return	Expected content of every register field, return and export
DS-12	Signature and licence update package on a registered single-purpose medium	Material for the crossing and offline-update tests
DS-13	Concurrent high-load reference set, published separately for each machine class on the task set at Table B.5: host reference exhibit, mobile extraction and its media set, telecom record set of not less than two million records, and Case and Evidence Management System test script, as published there for that class	Material, and elapsed-time allowances, for the concurrent high-load test, including the point at which the working set ceases to fit the scratch
DS-14	Seeded software defect set: one defect scenario of each of the four severity classes, with the published classification answer	Severity determination and resolution clock against which the defect-liability obligations are measured
RW-5	Published, supplier-independent, multi-threaded processor benchmark, with the score floors for each workstation grade	Processor performance floor, measured on the delivered machine in its delivered configuration
HB-1	Published, supplier-independent security-configuration benchmark for the platform concerned	Hardening baseline, with every deviation entered in the deviation register

- RW-1 to RW-9 are the reference workloads at Chapter 10, Table 10.3, run on the dataset named against each above. RW-5 and HB-1 are published external instruments and not tasks: RW-5 the processor benchmark defined as an instrument at Chapter 10, Table 10.3, and HB-1 the security-configuration benchmark to which Chapter 10, Table 10.4, obligation EV-15 requires every delivered machine and network element to be hardened. Each is openly published and supplier-independent, identical for every bidder and every unit, used at evaluation and at acceptance alike, and applied at one fixed version for the whole procurement and contract term.
- The score floor for each workstation grade, the hardening baseline, and the elapsed-time allowances and degradation tolerances against which the reference workloads are judged are published with the instrument on the same version discipline as the datasets, and the version applied is recorded on every test record. Where a test requires an operation to complete within a published time or tolerance, or meet a published floor, that figure is taken from the instrument and no other source.
- This plan cites no numbered physical, environmental or cabling standard and requires no laboratory test. A physical property is proved in one of three ways and no other: the rating marked on the item and stated on the manufacturer's published datasheet; a functional check witnessed by both parties at the bench or the unit and recorded; or a certified trade test with its test report. The witnessed checks required by Chapter 8, Table 8.18 are AT-19 for criterion WS1-f at Headquarters and WS2-f at a field unit, AT-21 for criterion WS4-e, AT-22 for criteria WS2-c and WS2-d, AT-40 for criterion WS1-b, AT-42 for criterion WS1-d and AT-49 for criteria WS1-f and WS2-f; and a declaration is not accepted in place of a check.

B.2 Field-unit, field-grade and estate-wide tests

Most of these tests are performed at the seventy-five field units. Those written against every unit, or against every delivered machine of a class, are performed at Headquarters as well; the scope column states where each is conducted.

Table B.3: Field-unit, field-grade and estate-wide tests: scope, material and method

Ref	Test	Items	Where and when conducted	Material and procedure
AT-01	Hardware write blocking on every acquisition path	HW-04, HW-05, HW-07	Every field unit, installation verification	DS-02, DS-03. Hash the source; attempt a write on each acquisition path of each delivered device; re-hash the source
AT-02	Acquisition and hash verification against a known answer	SW-01, HW-04, HW-05	Every field unit, site acceptance	DS-02, DS-03. Acquire a full physical image under write blocking on each reference workload; verify it; read the acquisition log; compute the sustained rate over the whole acquisition from log timestamps and acquired byte count, hashing enabled
AT-03	Host examination known-answer set	SW-01	Every field unit, site acceptance	DS-01. Run keyword and pattern search, deleted-file carving, timeline reconstruction and artefact recovery across the seeded classes
AT-04	Bounded triage examination	SW-01, HW-04, HW-05	Every field unit, site acceptance	DS-01. Run the published artefact pass and bounded manual review; produce the package and summary
AT-05	Mobile acquisition and analysis known-answer set	SW-03	Every field unit, site acceptance	DS-04. Perform logical, file-system and physical acquisition on the classes for which support is declared; handle the encrypted backup; decode against the manifest
AT-06	Mobile acquisition concurrency	SW-03, HW-04	Every field unit, site acceptance	DS-04. Start three device acquisitions at the unit and run them to completion together
AT-07	Host processing concurrency	SW-01, HW-04, HW-05	Every field unit, site acceptance	DS-01. Start two processing sessions at the unit and run them to completion together
AT-08	Telecom record analysis known-answer set	SW-07	Every field unit, site acceptance	DS-05. Ingest the sample sets; run single- and multi-number correlation; produce the timeline, cell-site plot and an open-format export
AT-09	Unattended concurrency at a District	HW-05, HW-04, SW-01	Every District, site acceptance	DS-01, DS-02. Run an unattended acquisition, hash, index, processing pass and archival write on the node while the workstation is in interactive use on a different exhibit
AT-10	Archival write, verification and release of working storage	SW-01, HW-04, HW-05, SV-04	Every field unit, site acceptance	DS-02. Write the verified image to archival media, timing the write and computing the sustained archival write rate over the whole write from log timestamps and written byte count; verify against the acquisition hash; record the media reference; release primary storage
AT-11	Configuration floors, benchmark score, case store, acquisition target store and scratch storage	HW-04, HW-05	Every field unit, installation verification, on every delivered machine of each class: all 82 machines of HW-04 and all 68 of HW-05	RW-5, HB-1. On every delivered machine of each class: read the configuration report and check physical-core count and base frequency, main memory capacity and error-correcting state, dedicated graphics memory and system volume against that class's floors at Chapter 10, Table 10.16; run RW-5 in the delivered configuration and record the score against that class's floor; read the capacity report after the redundancy configuration is applied; measure sustained read and write rate of the solid-state scratch by instrumented transfer; reconcile the node's acquisition target store against the workstation's case store so neither is counted twice
AT-12	Register: registration, custody and triage fields	SW-12	Every field unit, site acceptance	DS-11. Register a case, receive exhibits, assign the class and criterion code, make custody entries at each transfer
AT-	Register: maker-	SW-	Every field unit,	DS-11. Attempt self-approval of an evidentiary action; attempt deletion and alteration of a

Ref	Test	Items	Where and when conducted	Material and procedure
13	checker, immutable log, return and export	12	site acceptance	log entry; generate the monthly return; produce the court-file export
AT-14	Absence of consolidation, replication or synchronisation	SW-12	Every unit, site acceptance	Inspect the delivered build, its configuration options and its interface and service listing
AT-15	Operation with no network connected	SW-01, SW-03, SW-07, SW-12, HW-04, HW-05, HW-07	Every field unit, site acceptance	DS-12. Disconnect the Controlled Internet Zone endpoint; activate each field-grade item offline; complete a full examination offline; import an update by the crossing procedure and apply it offline
AT-16	Zone separation, physically verified	IN-03	Every field unit, installation verification	Cable trace and port map; interface listing on every evidence-processing machine; traffic capture on the Evidence Processing Zone; inspection of the internet endpoint storage
AT-17	Removable-media crossing procedure and register	IN-03, SW-12, SV-04	Every field unit, installation verification	DS-12. Exercise the crossing once in each direction with a registered single-purpose medium, sanitised before and after each use
AT-18	Authenticated operator identity and per-session logging	HW-04, HW-05, SW-01, SW-03, SW-07, SW-12	Every field unit, installation verification	Attempt an unattributed session on the workstation, on the node and in each application; read the session log from tamper-evident local storage
AT-19	Unit-level power provision: runtime at the measured residual load	IN-07	Every unit, installation verification	Establish the load IN-07 covers under Chapter 10, Table 10.30: at a field unit local switching, Controlled Internet Zone endpoint, on-scene kit charging, evidence-holding-area lighting and, at a Commissionerate, the bench imager; at Headquarters the compute and storage platform, backup tier, zoning and switching provision, training laboratory and laboratory endpoints. Measure that load with all covered equipment operating; interrupt the mains, at a Commissionerate with a bench imaging operation in progress; time to orderly shutdown
AT-20	Evidence storage cabinet	IN-06	Every unit, delivery inspection and installation verification	Measure gauge and dimensions; exercise the three-point locking; seal every sealing point with a numbered tamper-evident seal; verify anchoring and case separation; open the access register
AT-21	On-scene response kit: completeness, on-battery acquisition, shielding bag, transit and ingress rating	HW-07, SV-04	Every field unit, site acceptance	DS-02, DS-03. Check completeness against the published deliverable list. Perform a portable write-blocked acquisition on battery on each reference workload, timing it and computing the sustained rate over the whole acquisition. Weigh the packed kit. Shielding bag: place a live handset, registered and attached to a network, inside each size of bag supplied, close it, observe whether attachment is lost. Transit: pack the kit and carry it over the route stated on the test record, being loading into the vehicle in which it is ordinarily carried, road movement of not less than ten kilometres, unloading and hand carriage to the bench; then unpack, power and operate every item. Ingress: read the ingress protection rating marked on each case and on each item carrying one, compare it with the manufacturer's published datasheet and with the rating required at Chapter 10 for that item; inspect seals, gaskets and closures. Sanitise the target media and read them back
AT-22	Local cabling, switching and outlets	IN-03	Every field unit, installation verification	Test every outlet with a certified link tester; check the labelling schedule and wall rack; inspect the unit for a firewall, routing device or tunnelling device
AT-	Bench imager	HW-	Every	DS-02, DS-03. Timed acquisition with hashing enabled, measured over the whole acquisition;

Ref	Test	Items	Where and when conducted	Material and procedure
23	throughput	06	Commissionerate and Headquarters, site acceptance	produce open-container and raw output and the acquisition log
AT-24	Time synchronisation	IN-01, IN-03, HW-01, HW-03, HW-04, HW-05	Every unit, installation verification	Inspect the clock source configuration and measure drift against the national reference
AT-49	Per-machine power provision: runtime at the measured load, alarms, graceful shutdown and acquisition integrity	IN-08	Every unit, installation verification, at each of the 161 protected machines	DS-02, DS-13. Run the protected machine on the class-specific task set at Table B.5 and record the load at the socket; with an acquisition in progress, remove the mains; time the runtime from that instant; observe the audible and on-screen alarms and the stated runtime remaining; observe the automatic graceful shutdown at the configured threshold; inspect the image, acquisition log and hashes afterwards
AT-50	Concurrent high-load acceptance test	HW-03, HW-04, HW-05, SW-01, SW-03, SW-07, SW-12	Every unit, installation verification, on every delivered machine of every class	DS-13. Start the tasks of the class-specific set at Table B.5 within five minutes of one another, each on the item deployed at the class under test and at the workload published for that class at DS-13, and run them together for a common loaded window of not less than sixty minutes or until every task completes, whichever is the longer, instrumenting the machine throughout
AT-51	Perpetual operation and continuity of entitlement, with every external interface disconnected	SW-01 to SW-13	Every unit, site acceptance, and re-verified at each annual maintenance visit for the whole term	DS-01, DS-04, DS-05, DS-11, DS-12. Read the entitlement record of each software item deployed at that unit against that unit's own site acceptance date and establish the currency period running from it; disconnect every external interface; install, activate, operate, report and export each item; inspect the delivered entitlement artefact for any expiry date, time-limited key, reactivation term, licence lease or hosted-service dependency; verify the permanent offline entitlement is held and re-deliverable on removable media; sight the principal's undertaking; capture outbound traffic throughout; export the Department's own records and open them on an independent machine against the published field dictionary

Table B.4: Field-unit, field-grade and estate-wide tests: known answer, pass criterion and record

Ref	Known answer and pass criterion	Record produced
AT-01	Source hash identical before and after on every path, write refused and refusal evidenced: zero hash change and zero writes on 100 per cent of paths. Any write is a major non-conformance	Write-blocking record, both hashes, refusal evidence, per path
AT-02	Acquisition hash exactly equal to the published image hash of DS-02 and DS-03, no tolerance; verification pass; every log field present and populated: operator identity, timestamps, source identifiers, tool and firmware version, resulting hashes. Sustained acquisition rate, over the whole acquisition with hashing enabled, not less than 150 MB/s on RW-1 and 100 MB/s on RW-2 under HW-04.7, and not less than 200 MB/s on RW-1 and 120 MB/s on RW-2 under HW-05.7. A rate below any floor is a major non-conformance	Acquisition log, verification report, computed rate against each floor, hash comparison
AT-03	Not less than 98 per cent of seeded keyword and pattern hits; not less than 95 per cent of seeded carved files, each hash-matched to the manifest; not less than 95 per cent of seeded timeline events; every seeded artefact class present; every threshold met; zero attribution of a seeded artefact to a source other than the seeded one	Examination output compared line by line against the DS-01 manifest
AT-04	A hashed, case-bound triage package and a summary stating what was searched, what was found, what was not searched and why, with the result of the escalation test against referral criteria R-1 to R-9 at Annexure C. Package hash verifies, every element of the summary present, package produced inside the published time allowance	Triage package with its hash, and the summary
AT-05	Each declared acquisition method completed on the classes for which support is declared; encrypted backup handled; not less than 95 per cent of the published artefact manifest decoded; hash manifest and court-ready export produced. Every threshold met; a class not acquired is recorded as a logged failure stating what could not	Acquisition and decoding output compared against

Ref	Known answer and pass criterion	Record produced
	be acquired and why	the DS-04 manifest
AT-06	Not fewer than three concurrent device acquisitions completed at the unit, by any licensing mechanism at no additional charge during the term	Witnessed concurrency record, entitlement inspection
AT-07	Not fewer than two concurrent processing sessions completed at the unit, by any licensing mechanism at no additional charge during the term	Witnessed concurrency record, entitlement inspection
AT-08	100 per cent of the published correlations reproduced; first and last contact times and cell-site sequence matching the answer set; open-format export opening and reading on an independent machine without the supplier's software	Output compared against the DS-05 answer set, export retained
AT-09	Both tasks complete within the published time; neither degrades the other beyond the published tolerance; both machine logs complete and consistent	Concurrent-run record, both machine logs
AT-10	Archival media hash exactly equal to the acquisition hash; media reference recorded against the exhibit in the Case and Evidence Management System; working storage released; sustained archival write rate, over the whole write, not less than 250 MB/s under HW-05.12, a rate below that floor being a major non-conformance; the whole completed within five working days of acquisition	Archival write record, computed write rate, media reference, register entry
AT-11	On all 82 delivered machines of HW-04 and all 68 of HW-05, no lesser sample: every configuration floor published for the class at Chapter 10, Table 10.16 met in the delivered configuration; benchmark score not below that class's RW-5 floor; workstation case store usable not less than 16 TB at a District and 32 TB at a Commissionerate, mirrored, raw not less than 32 TB and 64 TB respectively; node acquisition target store at a District usable not less than 8 TB, mirrored, raw not less than 16 TB, additional to and not counted towards the workstation figure, nil capacity counted against both; solid-state scratch not less than 2 TB sustaining not less than 3,000 MB/s read and 1,500 MB/s write. A machine short of any floor is a major non-conformance, corrected or replaced and re-tested in full; no partial pass, no measurement waived	Configuration report, benchmark verification record, capacity report, instrumented scratch measurement per machine, reconciliation of the two stores, retained with the configuration export
AT-12	Every column set published at Annexure D present and populated, nil missing field; a unit-issued case identifier; class and criterion code recorded within two working days; a custody entry at each transfer carrying Custodian, movement and hash	Register test record with the populated case
AT-13	Self-approval refused; deletion and alteration of a log entry refused and each attempt itself logged; monthly return and court-file export matching the DS-11 answer exactly, export opening and hash-verifying on an independent machine	Register test record, generated return, export
AT-14	No server, consolidation, replication or synchronisation function present in the build or configurable in it, and no listening service for such a function. Nil finding; any such function is a major non-conformance	Configuration and interface inspection record
AT-15	Every field-grade item activates offline, operates offline for the whole of a complete examination and requires no online re-validation; update imports by the crossing procedure and applies offline. Nil requirement for connectivity at any point; any online re-validation requirement is a major non-conformance	Offline operation record, crossing register entry
AT-16	The Evidence Processing Zone has no cable, no enabled wireless interface, no shared switch port group, no shared storage and no shared account reaching outside itself; capture shows nil egress over the capture period; internet endpoint holds no evidential artefact. Any path is a major non-conformance	Zone-separation record with port map, interface listing, capture file
AT-17	Both crossings complete and recorded with authorising officer, purpose, medium identifier and time; sanitisation evidenced before and after each use; nil alternative path found	Crossing register carrying both entries, sanitisation record
AT-18	Every unattributed session refused and every refusal written to tamper-evident local storage; every session carrying operator identity and start and end times	Session-log extract carrying the refused attempts
AT-19	Runtime not less than 60 minutes at the measured residual load at a field unit and not less than 30 minutes at the measured connected load at Headquarters; covered load list reconciling exactly to Chapter 10, Table 10.30, nothing carried by both IN-07 and IN-08 and nothing by neither; evidence-holding-area lighting and access record uninterrupted; a bench imaging operation in progress at a Commissionerate completed, or brought to a recorded and hash-verified stop; rated capacity not below the floor transcribed for the tier; sine-wave output, input tolerance, output regulation and harmonic distortion within the transcribed limits at full load; surge protection rating printed on the manufacturer's published datasheet for the delivered provision not below the rating required at Chapter 10 and recorded on the test record, the mains interruption above being the witnessed check; transfer to and from departmental standby generation without interrupting the protected load, where generation is present	Witnessed runtime record, measured load, covered load list reconciled against Table 10.30, datasheet extract carrying the surge protection rating, imaging log with both hashes where applicable
AT-20	Gauge and dimensions as specified; three-point locking operating; every sealing point sealed; anchoring in place;	Physical inspection

Ref	Known answer and pass criterion	Record produced
	case separation demonstrated; access register in use. Every element satisfied at every cabinet delivered to the unit	record with the seal numbers applied
AT-21	Nil shortfall against the published deliverable list. Acquisition hash exactly equal to the published known answer, acquisition on battery throughout at a sustained rate not less than 150 MB/s on RW-1 and 100 MB/s on RW-2 under HW-07.5, over the whole acquisition with hashing enabled; a rate below either floor is a major non-conformance; battery endurance stated for the kit met over that acquisition. Packed kit weighed at not more than 20 kg. Shielding bag: in every size supplied, handset shown attached to a network before closure and observed to have lost attachment within two minutes of closure, observation logged; a bag in which attachment survives is rejected and replaced. Transit: after the stated route every item powers on, a short write-blocked acquisition on DS-02 completes and hash-verifies, nil case, latch, hinge, seal, connector or cable broken and nothing loose within a case. Ingress: rating marked on each case and on each item carrying one not below the rating required at Chapter 10 for that item and matching the manufacturer's published datasheet, seals, gaskets and closures intact and closing fully. Target media sanitised and read back with the verification record produced. Each is a pass condition and failure of any one is failure of the test	Kit inspection record; timed acquisition log with the computed rate on battery; shielding-bag observation log, per bag size; transit-check record naming the route, officers present and post-transit acquisition hashes; ingress rating record with the datasheet extract
AT-22	100 per cent of outlets tested with a certified link tester and passing; a test report per outlet; labelling schedule complete; wall rack installed; a nil finding on firewall, routing and tunnelling devices recorded expressly	Cabling test report per outlet, installation record stating the nil finding
AT-23	Sustained acquisition rate not less than 250 MB/s on RW-1 and not less than 120 MB/s on RW-2 with hashing enabled, both met over the whole acquisition; hash exactly equal to the known answer; open-container and raw output produced	Timed acquisition log with rate, hashes, comparison
AT-24	Every machine synchronised to the national reference within the published tolerance; nil unsynchronised machine	Time-source configuration export, drift measurement
AT-49	Runtime not less than 30 minutes from the instant of mains removal, at the sustained load recorded for that machine at Chapter 10, CHL-15, with its displays and attached acquisition hardware, a runtime measured at idle not being evidence of compliance; audible and on-screen alarms operating, on-screen indication stating the runtime remaining; automatic graceful shutdown initiated at the configured remaining-runtime threshold and before the battery is exhausted; acquisition in progress completed, or closed with the image marked partial, log written and hash verified, nil truncated image left unmarked. Failure of any element is failure of the provision at that machine, which is replaced and re-tested in full	Discharge record carrying the measured load series, timed runtime, alarm observations, shutdown log, acquisition log with both hashes
AT-50	Every task of the class-specific set at Table B.5 running simultaneously for the loaded window, each completing within the allowance published for the class under test; peak memory in use not more than 85 per cent of installed memory; the page or swap device present, enabled and of the configured size throughout the window, and the bytes written to it read from the operating environment's own cumulative counters immediately before and immediately after the window and recorded; the quantity is recorded and is not a pass condition, the memory pass condition being the peak-memory limit above; no task ceasing to make recorded progress for more than 60 consecutive seconds; no task failing, aborting, being terminated or restarted; every screen returned and every entry committed in the Case and Evidence Management System within 2 seconds across not fewer than twenty sampled actions; no thermal shutdown, the mean recorded all-core operating frequency, across the samples taken while every task of the class's set is running, not below the base frequency declared for the offered processor at bid, samples taken after a task has completed being recorded but not counted; the point at which the host task's working set exceeds the solid-state scratch recorded with the elapsed-time behaviour after it; sustained electrical load recorded as the arithmetic mean over the window. The measurements at CHL-6, CHL-8, CHL-9, CHL-10, CHL-11, CHL-12 and CHL-14 are pass conditions and failure of any one is failure of the machine, corrected or replaced and re-tested in full; the measurements at CHL-7, CHL-13 and CHL-15 are recorded quantities, and a machine on which any of the three is not recorded is not accepted; no partial pass, no measurement waived; omission of a task under the class rule at Table B.5 does not shorten the loaded window and relaxes no allowance; a machine that merely starts the software does not pass	Instrument record, task logs, processor and memory utilisation series, load series, retained with that machine's installation record and carried into the as-built set
AT-51	Entitlement record of every item carrying not less than three years of updates, upgrades, patches, signature, definition and dataset refreshes and technical support, running from that unit's own site acceptance date and therefore unit-wise; every item installing, activating, operating, processing, reporting and exporting with every external interface disconnected; nil expiry date, time-limited key, periodic reactivation requirement, licence lease or dependency on a supplier-hosted entitlement service in any entitlement artefact; a permanent offline entitlement held for every deployed instance and re-deliverable on removable media; principal's undertaking on file for every item; nil entitlement-related communication in the capture; Department's own records exporting in open, documented formats and opening on an independent machine. Any term under which an item would cease to operate, lose function or reduce performance on a date, on a lapse, or on an act or omission of the supplier is a major non-conformance, and the item is not accepted	Disconnected-operation record per item, entitlement-artefact inspection record, principals' undertakings, outbound-traffic capture, export opened on the independent machine

The concurrent high-load task set is class-specific. A task whose item carries no quantity at the class under test, or whose function that class is required to refuse, is not run at that class. The loaded window, the

instrumentation and every measurement at CHL-6 to CHL-15 are unchanged by the omission; the elapsed-time allowance for each task run is that published for that class at DS-13; no allowance is relaxed and no window shortened on account of a task not run.

Table B.5: The concurrent high-load task set, by machine class

Machine class	Host-forensic processing	Mobile extraction decoding	Telecom record analysis	Case and Evidence Management System	Loaded window
HW-04, field-grade analysis workstation at a District and at a Commissionerate	Run on SW-01, on the DS-13 host reference exhibit published for this class, whose acquired volume exceeds this class's solid-state scratch	Run on SW-03, on the DS-13 extraction and its media set	Run on SW-07, on the DS-13 record set of not less than two million records	Run on SW-12 in interactive use on the DS-13 script: case registration, exhibit receipt, classification against a criterion code and custody entry	Not less than sixty minutes, or until every task completes, whichever is the longer
HW-05, acquisition and processing node at a District	Run on SW-01, as for HW-04, on the exhibit published for this class	Run on SW-03, as for HW-04, on the set published for this class	Run on SW-07, as for HW-04, on the set published for this class	Run on SW-12, as for HW-04, on the script published for this class	Not less than sixty minutes, or until every task completes, whichever is the longer
HW-03, laboratory-grade workstation at Headquarters	Run on SW-01, on the DS-13 host reference exhibit published for this class, case data drawn from the Headquarters compute and storage platform, no case store being provided on the workstation itself	Run on the mobile decoding capability deployed at this class, on the DS-13 extraction and its media set	Not run. SW-07 carries no quantity at this class, and the task is omitted without relaxing the window or any allowance	Run on the Headquarters instance of SW-12 in interactive use on the DS-13 referral-register script: a referral entry opened against an originating unit's case and exhibit identifiers, hash verification on receipt recorded and the return generated. Case registration is unavailable at Headquarters under AT-38 and is not run	Not less than sixty minutes, or until every task completes, whichever is the longer

B.3 Headquarters tests

Table B.6: Headquarters tests: scope, material and method

Ref	Test	Items	When conducted	Material and procedure
AT-25	Compute and storage capacity and redundancy	HW-01	Installation verification	Read the capacity report after the redundancy configuration; remove two devices concurrently; observe service continuity and rebuild
AT-26	Immutable log storage, retention and encryption at rest	HW-01, IN-01, SW-12	Installation verification	Attempt deletion and alteration of a log entry from an administrative account; inspect the retention configuration and encryption state
AT-27	Backup, archive and restore	HW-02	Site acceptance	Restore RW-7 in full, being a reference restore set of not less than 1 TB, from the local secondary copy and from removable archival media, instrumenting the transfer throughout; verify against the source manifest; witness a failover
AT-28	Laboratory-grade workstation	HW-03	Installation verification, on every delivered machine of the class	RW-5, DS-01, DS-13. Run the benchmark in the delivered configuration; read the configuration report; measure the sustained rate of the solid-state scratch; run a large-exhibit processing task drawing case data from the Headquarters compute and storage platform; establish that no case store is provided on the workstation itself
AT-29	Alternative-platform acquisition and volume decryption	SW-02	Site acceptance	DS-10. Acquire storage in target-disk and recovery workflows; decrypt full-volume encryption on the supplied recovery key
AT-30	The authorisation gate	SW-04, SW-	Site acceptance	Operate each item without a recorded authorisation, then with one; inspect the authorisation register and its administration

Ref	Test	Items	When conducted	Material and procedure
		05, SW-13		
AT-31	Advanced access behaviour	SW-04	Site acceptance	DS-04. Demonstrate before- and after-first-unlock handling; suspend and resume an unattended workflow; run workflows in parallel; capture network traffic throughout
AT-32	Lawful account acquisition	SW-05	Site acceptance	Acquire from a Department-created test account under a recorded approval; inspect case binding, storage location and decoding environment
AT-33	Central telecom analytics	SW-06	Site acceptance	DS-05. Ingest the published operator formats with schema mapping; correlate across cases and operators; handle the tower dump; submit a sensitive query for approval
AT-34	Online and anonymised-network collection	SW-08	Site acceptance	Capture evidentially from the open internet and from an anonymised overlay network under managed non-attributable egress; take an interface listing on every evidence-processing machine
AT-35	Virtual-asset tracing	SW-09	Site acceptance	DS-09. Trace the seeded path; produce clustering and attribution; run a screening query; export the graph
AT-36	Media processing and playback	SW-10	Site acceptance	DS-06. Decode every container in the sample set; execute each enumerated enhancement and restoration operation; reproduce the result from the original
AT-37	Media authenticity and synthetic-media analysis	SW-11	Site acceptance	DS-07. Classify the known-answer set; record confidence and contributing factors; complete reviewer sign-off and export
AT-38	Referral register configuration	SW-12	Site acceptance	Attempt case registration on the Headquarters instance; open a referral entry against originating identifiers; verify hashes on receipt and record the return
AT-39	The six Headquarters network domains: the five zones and the out-of-band management domain	IN-01	Installation verification	Take the port map, policy-set export and administrative-role listing for each of the six domains; attempt a connection from each domain to each other domain; attempt a connection from the Training Zone to each evidential zone; attempt an administrative login without the second factor; inspect central log collection
AT-40	Structured cabling, racks and passive	IN-02	Installation verification	Test every link with a certified link tester; check patch-panel labelling against the schedule; inspect racks, in-rack power distribution, patch cords and spares
AT-41	Training laboratory	IN-04	Site acceptance, by month 4	Operate all thirty learner endpoints and the instructor endpoint simultaneously on the theory, demonstration and assessment material; read the configuration report of each learner endpoint against the floors at Chapter 10, IN-04.1 and establish that the whole training instance set deployed in the laboratory is installed at every one of them, with the free space at IN-04.1 measured on the system volume with the whole set installed; run the training instance of a hands-on class at all thirty learner endpoints simultaneously, and repeat for each hands-on class deployed in the laboratory; export the configuration of the training network and inspect the segment list; trace the training network and attempt a connection to each evidential zone; inspect the entitlement record against the class list; count and inspect the training device sets item by item against the published deliverable list
AT-42	Electrical, environmental and laboratory furnishing	IN-05	Installation verification	Measure circuits, protection, earthing, illumination and environmental control against the stated values; read the surge protection rating from the manufacturer's published datasheet for the delivered protection provision; demonstrate fire-safety integration; check furniture against the schedule
AT-53	Livestream of a laboratory session to a field unit	IN-04, SV-03	Site acceptance of the training laboratory, by month 4, and re-	Deliver a live session from the training laboratory, of not less than thirty minutes, and livestream it under Chapter 10, IN-04.14 to a field unit named by the Department, received there over that unit's own Controlled Internet Zone endpoint, or at a representative endpoint of that class where the Department so directs. Officers of both parties observe at the receiving end and record what they observe: the vision of the room, the sound of the instructor and the instructor's screen, each separately. Read aloud at the laboratory a passage of the published training material and a five-character code written on the instructor's screen, and record at the receiving end what was heard and what was read from the screen. Inspect the entitlement record of the platform against the contract term and against the number of field units it is sized to serve. Take the interface listing of the originating endpoint and capture its outbound traffic. Attempt a connection from the originating endpoint to a learner segment

Ref	Test	Items	When conducted	Material and procedure
			verified once in each contract year	and to each evidential zone

Table B.7: Headquarters tests: known answer, pass criterion and record

Ref	Known answer and pass criterion	Record produced
AT-25	Usable capacity not less than 96 TB and raw provisioning not less than 144 TB after redundancy, every figure met or exceeded; platform continues to serve with two devices removed concurrently, nil interruption of service; rebuild completes within the stated period	Capacity report, witnessed device-removal record, rebuild completion time
AT-26	Deletion and alteration both refused and both logged; retention configured unconditionally to the stated period; encryption at rest in force. Any permitted deletion is a major non-conformance	Log-integrity record with the refused attempts and their own log entries
AT-27	Restore completes within the contracted restore time and hash-verifies exactly against the source manifest; sustained restore rate, measured over the whole transfer of RW-7, not less than 400 MB/s under HW-02.3, a rate below that floor being a major non-conformance; sustained backup write rate, measured over the whole transfer, not less than 300 MB/s; stated recovery-point and recovery-time figures met at failover	Restore record with hash comparison, computed restore and write rates against each floor, failover record with measured elapsed times
AT-28	On every delivered machine of the class in its delivered configuration, no lesser sample: benchmark score not less than the floor published for this class on RW-5; not fewer than 24 physical cores at a base frequency not below 2.5 GHz; not less than 256 GB of error-correcting main memory; a discrete graphics processor of professional or compute class with not less than 24 GB of dedicated memory; system volume not less than 1 TB and solid-state scratch not less than 4 TB sustaining not less than 3,000 MB/s read and 1,500 MB/s write; nil case store on the workstation, case data drawn from the Headquarters platform; large-exhibit task completed within the published time. A machine short of any floor is a major non-conformance, corrected or replaced and re-tested in full	Benchmark verification record, configuration report, scratch measurement, timed processing log, per machine
AT-29	Storage acquired in both workflows, including from the generation with non-removable storage and a dedicated security co-processor; volume decrypted on the supplied key; acquisition hash exactly equal to the published known answer	Acquisition logs, hash comparison, decryption record
AT-30	Each item refuses to proceed without a recorded authorisation in every negative test; with one it proceeds and writes a per-attempt or per-job audit entry carrying the authorisation reference, operator, time and outcome; authorisation register separately administered with its own audit trail. Any operation without a recorded authorisation is a major non-conformance	Negative and positive test records with the register entries
AT-31	Both unlock states handled on the classes for which support is declared; unattended workflow resumes without loss; parallel workflows run; nil external transmission observed in the capture	Workflow records with the network capture retained
AT-32	Acquisition completed with the case binding recorded and the approval logged before acquisition; data stored in country, nil storage outside India; decoding performed in the same analysis environment as the mobile suite	Acquisition record with the approval entry and storage-location evidence
AT-33	Every published operator format ingested with schema mapping; 100 per cent of the published correlations across cases and operators reproduced; tower dump handled; link, temporal and geospatial analysis completed at the published reference scale within the published time; sensitive query blocked pending approval; audit log immutable	Analysis output compared against the DS-05 answer set, audit log extract
AT-34	Capture produced with timestamps, hashes and session logs under managed non-attributable egress, verifying against its hash; nil path found from the egress segment to any evidence-processing system	Capture set with hashes, egress demonstration record, interface listing
AT-35	Seeded path traced end to end and matching the DS-09 answer exactly; clustering and attribution produced with the declared dataset scale and refresh cadence evidenced; graph exported; every query and export log written	Tracing output, exported graph, query and export logs
AT-36	Complete decode of the published container set, or a logged failure record for each exception stating what could not be decoded and why; every enumerated enhancement and restoration operation executed; result reproduced from the original with the full processing chain in the report	Processing outputs with the operation log and reproduction record
AT-37	Known-answer set classified at the operating point the bidder declared at bid and reproduced within the declared tolerance, a result outside it failing; confidence calibrated with contributing factors stated; reviewer identity, notes and sign-off carried into the exported report and log	Classification output compared against the DS-07 answer, exported report
AT-38	Case registration unavailable at Headquarters, nil case identifier issued there; a referral entry opening only against an originating unit's case and exhibit identifiers; hashes verified on receipt before any processing; return of exhibit and report recorded	Configuration inspection record with the attempted registration recorded as unavailable
AT-39	Not fewer than six independently administered domains, one for each of the five Headquarters zones and one for the management domain, as required at Chapter 10, IN-01.1, each with its own policy set, administrative role and audit trail; every attempted cross-domain connection refused and logged; nil path from the Training Zone to any evidential zone; administrative access refused without the second factor; central log collection operating	Domain and role listing with the refused connections and refused login recorded
AT-40	100 per cent of links tested with a certified link tester and passing, with a test report per link; labelling	Link test report per link,

Ref	Known answer and pass criterion	Record produced
	complete against the schedule; racks, in-rack power distribution, patch cords and spares delivered at the published quantities, nil shortfall	passive inventory record
AT-41	Thirty learner endpoints and one instructor endpoint functional and operating simultaneously, each meeting the configuration floors at Chapter 10, IN-04.1 and IN-04.2 in its delivered configuration, and each carrying the whole training instance set deployed in the laboratory with not less than 20 per cent of the system volume free with the whole set installed, nil endpoint short of the set; all thirty learner endpoints running the training instance of a hands-on class simultaneously, demonstrated for each hands-on class deployed, and all thirty running the theory, demonstration and assessment material simultaneously; entitlement record showing not fewer than thirty concurrent entitlements of every hands-on licence class, valid for the full term, nil class below thirty; one training network administered as a single training segment with one instruction point serving all thirty learner endpoints and the instructor endpoint together, the segment list showing no divided arrangement; nil path from the training network to any evidential zone and nil evidential content on it; training device sets complete at not fewer than 30 portable write blockers, 30 training storage devices spanning the rotating and the solid-state classes and 30 training handsets across the prevalent mobile operating-system families, with their cable, adapter and card sets, nil shortfall against the published deliverable list and nil device holding evidential data. An arrangement by which successive groups of learners take a hands-on class in turn does not pass this test. Partial acceptance is not available for this item; the livestream at AT-53 is separately tested and its record forms part of the same laboratory acceptance record	Laboratory acceptance record with the endpoint count, the configuration report and installed-instance-set record per endpoint, port map and segment list, entitlement record per hands-on class, the record of the simultaneous thirty-endpoint hands-on runs and device-set inspection, on which, with the record at AT-53, the training-laboratory acceptance certificate at Chapter 18, Table 18.10 is issued
AT-42	Circuits, protection and earthing within the stated values; surge protection rating on the manufacturer's published datasheet not below the rating required at Chapter 10; illumination within the stated range at the published grid of points; environmental control holding the stated range over the witnessed period; fire-safety integration demonstrated; furniture complete with nil shortfall against the schedule	Measurement record per value, datasheet extract carrying the surge protection rating, furniture inspection record
AT-53	The session is received at the field unit over that unit's own Controlled Internet Zone endpoint and all three elements are observed at the receiving end and separately recorded: the vision of the room, continuous for the whole session; the sound of the instructor, the passage read aloud being transcribed at the receiving end and matching what was read at the laboratory; and the instructor's screen, the five-character code written on it being read back correctly from the receiving end. Each of the three is a pass condition and failure of any one is failure of the test. Entitlement record showing the platform and its licences held for the full contract term at no additional charge and sized for not fewer than 75 field units receiving the same session at the same time. Nil path from the originating endpoint to any learner segment and nil path to any evidential zone, the attempted connections refused and logged and the capture showing nil egress to either. Nil evidential artefact, exhibit, forensic image or working copy presented, transmitted or stored on the platform at any point. A recording is not evidence of this test: a livestream not observed live at the receiving end by officers of both parties has not been tested	Livestream acceptance record naming the receiving unit and endpoint, the officers present at both ends, the date, the start and end times and the duration; the transcription of the passage read aloud and the code read back from the instructor's screen, each signed at the receiving end; entitlement record extract for the platform; interface listing, refused-connection log and outbound-traffic capture from the originating endpoint. The record forms part of the laboratory acceptance record on which the training-laboratory acceptance certificate at Chapter 18, Table 18.10 is issued

AT-41 tests the thirty learner endpoints and the thirty concurrent entitlements together, because the requirement is that all thirty learners can be in the same tool at the same moment: an endpoint that does not carry the whole training instance set, and an entitlement count below thirty in any hands-on class, each fails the test on its own. Remote delivery and a livestream each consume the instructor position and the delivery endpoint and no learner position, so the endpoint count caps neither.

B.4 Programme, service, manpower and reserve tests

Table B.8: Programme, service, manpower and reserve tests: scope, material and method

Ref	Test	Items	When conducted	Material and procedure
AT-43	Implementation and commissioning deliverable set	SV-01	Per unit before site acceptance, and at final commissioning	Check the as-built set for the unit (drawings, port map, labelling schedule, configuration exports, hardening records and the complete inspection and test record set) against the published list and against the unit's row at Annexure A
AT-44	Support desk, operations and the cadre	SV-02, MP-01	At the start of operations and quarterly thereafter	Raise a seeded ticket at each severity; request handling in Hindi and in English; attempt a desk connection to a machine holding case evidence; inspect the cadre roster, background verification records and credential holdings; exercise a spares despatch to a unit with no on-site engineer

Ref	Test	Items	When conducted	Material and procedure
	boundary			
AT-45	Training delivery and the cascade obligation	SV-03, IN-04	On completion of each batch and each remote cohort	Observe delivery against the published contact hours; verify attendance by the published method; conduct the assessment; inspect the bilingual materials and the trainer particulars furnished not less than fourteen days before the batch; witness the local practical at a sample of units
AT-46	Spares and consumables	SV-04	At final commissioning and annually	Count the initial spares holding and consumable set against the quantities stated in the technical bid under Chapter 10, Section 10.7.5; draw one spare and observe replenishment; verify the consumable classes; take one defective, malfunctioning or broken component of a class held and observe its replacement from the holding, timed against the service levels at Chapter 13
AT-47	Independent audit and programme management support	SV-05	At the start of operations and annually	Inspect the engagement instrument and the auditor's first verification of acceptance evidence; confirm the appointing and paying authority
AT-48	Reserve governance	RS-01	Annually and at contract close	Inspect the reserve register for every draw, its written departmental approval, its purpose and the warranty extension effected
AT-52	Software bill of materials, disclosed vulnerabilities and defect liability	SW-01 to SW-13	At the delivery inspection of each software item, at each version delivered during the term, and annually thereafter	DS-14. Inspect the software bill of materials against the delivered build, component by component; inspect the disclosed-vulnerability list; inspect the supplier's certificate that no defect of Critical or High severity is known to exist and the list of known Medium and Low defects; raise one seeded defect report at each of the four severity classes and measure the response against Chapter 10, Table 10.7, with the clock running from the Department's report; inspect the monthly open-defect register; capture outbound traffic and compare it against the data-path declaration

Table B.9: Programme, service, manpower and reserve tests: known answer, pass criterion and record

Ref	Known answer and pass criterion	Record produced
AT-43	As-built set complete for the unit, nil shortfall, before its site acceptance certificate is signed; documentation register reconciling to 76 of 76 units at final commissioning	Handover record per unit, consolidated documentation register
AT-44	Each seeded ticket acknowledged and resolved within its published target; handling delivered in both languages; desk connection refused and the attempt logged; nil credential held by the desk to any field evidence-processing system; roster filled with background verification complete for every post and nil vacancy beyond the replacement obligation; spare despatched within the published period	Ticket record set, refused-connection log, roster and verification file, despatch record
AT-45	Batch delivered at the published contact hours; attendance verified for 100 per cent of trainees; assessment conducted and the published pass percentage achieved for the batch; materials delivered in Hindi and English; every trainer certified and demonstrably competent in the module delivered, with particulars furnished not less than fourteen days before the batch; local practical assessed on the unit's own equipment, countersigned by the Unit In-charge and returned for every unit in the cohort	Attendance and assessment records, materials set, trainer particulars, countersigned cascade practicals filed against each unit at Annexure A
AT-46	Initial spares holding and consumable set at the quantities stated in the technical bid under Chapter 10, Section 10.7.5, nil shortfall; drawn spare replenished within the published period; every consumable class present: tamper-evident seals, evidence and shielding bags, gloves, labels, blank target and archival media; holding sized so that downtime is minimised and a defective, malfunctioning or broken component is replaced from the holding within the time allowed by the service levels at Chapter 13, without a fresh procurement. A holding from which a replacement cannot be met within that time is a shortfall whatever the count	Signed inventory, replenishment record, timed replacement record measured against the service level
AT-47	Engagement in force and independent on its face, appointed and paid by the Department outside the System Integrator's contract; first verification of acceptance evidence completed and reported; nil direction authority exercised over any party	Engagement instrument, auditor's verification report
AT-48	Every draw supported by prior written departmental approval stating its purpose, with the warranty extension effected inside the contract term; nil draw without prior written approval; a nil-draw finding recorded where no draw has been made	Reserve register extract with the approvals
AT-52	A bill of materials for every delivered software item enumerating every included component and its version, nil component absent; every known published vulnerability disclosed with its severity and a dated remediation commitment, nil undisclosed known vulnerability; certificate furnished at each delivery and each version; open-defect register complete and furnished monthly; each seeded defect classified as published at DS-14 and worked around and corrected within the periods at Chapter 10, Table 10.7; nil undeclared telemetry, usage reporting, analytics, crash reporting or entitlement communication in the capture. An undisclosed known vulnerability, and a Critical defect affecting evidence integrity not reported within four hours, are each a major non-conformance	Bill of materials and disclosed-vulnerability list per item, delivery certificates, open-defect register extract, seeded-defect records with their measured elapsed times, outbound-traffic capture

B.5 Coverage reconciliation

The plan publishes AT-01 to AT-53, being 53 tests; each of the 35 item identifiers in the Bill of Materials carries at least one test, and no test carries no identifier.

Table B.10: Coverage reconciliation: every item identifier to its tests

Identifier	Acceptance tests	Count
SW-01	AT-02, AT-03, AT-04, AT-07, AT-09, AT-10, AT-15, AT-18, AT-50, AT-51, AT-52	11
SW-02	AT-29, AT-51, AT-52	3
SW-03	AT-05, AT-06, AT-15, AT-18, AT-50, AT-51, AT-52	7
SW-04	AT-30, AT-31, AT-51, AT-52	4
SW-05	AT-30, AT-32, AT-51, AT-52	4
SW-06	AT-33, AT-51, AT-52	3
SW-07	AT-08, AT-15, AT-18, AT-50, AT-51, AT-52	6
SW-08	AT-34, AT-51, AT-52	3
SW-09	AT-35, AT-51, AT-52	3
SW-10	AT-36, AT-51, AT-52	3
SW-11	AT-37, AT-51, AT-52	3
SW-12	AT-12, AT-13, AT-14, AT-15, AT-17, AT-18, AT-26, AT-38, AT-50, AT-51, AT-52	11
SW-13	AT-30, AT-51, AT-52	3
HW-01	AT-24, AT-25, AT-26	3
HW-02	AT-27	1
HW-03	AT-24, AT-28, AT-50	3
HW-04	AT-01, AT-02, AT-04, AT-06, AT-07, AT-09, AT-10, AT-11, AT-15, AT-18, AT-24, AT-50	12
HW-05	AT-01, AT-02, AT-04, AT-07, AT-09, AT-10, AT-11, AT-15, AT-18, AT-24, AT-50	11
HW-06	AT-23	1
HW-07	AT-01, AT-15, AT-21	3
IN-01	AT-24, AT-26, AT-39	3
IN-02	AT-40	1
IN-03	AT-16, AT-17, AT-22, AT-24	4
IN-04	AT-41, AT-45, AT-53	3
IN-05	AT-42	1
IN-06	AT-20	1
IN-07	AT-19	1
IN-08	AT-49	1
SV-01	AT-43	1
SV-02	AT-44	1
SV-03	AT-45, AT-53	2
SV-04	AT-10, AT-17, AT-21, AT-46	4
SV-05	AT-47	1
MP-01	AT-44	1
RS-01	AT-48	1

B.6 Conduct, evidence and consequence

- Every test is performed by the party named against its stage at Chapter 18, on the material at Table B.2 in the version published for that wave, and is recorded on the matrix at Table B.1 whether it passes or fails. Both parties sign the record at the bench, at the time, and neither signs a record prepared later. The known answer is not disclosed before the test, and a result claimed but not produced at the unit is not a result.
- Records are retained under the schedule at Annexure L, one copy at the unit and one at Headquarters. A failed record is retained and is never replaced, amended or destroyed; the re-test record is filed with it and the certificate lists both. A test failed twice at the same unit is referred to the Technical Committee; the same test failing at more than the proportion of a wave's units published at Chapter 18 is systemic and is re-run across the wave and across every unit already accepted carrying the same item class. The classification, closure clocks and re-test rule are at Chapter 18 and are not restated here.

- Three tests carry more weight than the rest. AT-16 establishes that the Evidence Processing Zone has no path outside itself, and a unit that fails it is not accepted whatever else it passes. AT-15 establishes that every field-grade item works with nothing connected to it; an item needing a network to activate, operate or re-validate is not accepted at a field unit. AT-51 establishes that a delivered item goes on working after the update period ends, in perpetuity, at no further cost and without a further act of the supplier; an entitlement that expires, that must be reactivated, or that can be disabled from outside the unit is not accepted either.
- AT-51 establishes continuity of the entitlement and of the Department's own data, and not continuing currency of the material an item works against. For the six items at Chapter 10, Table 10.10 the value sits in a dataset or capability set that must be continuously refreshed; the limit at Chapter 10, Section 10.3.2 applies and is not qualified by this plan, and no test here establishes that those six items retain full capability after their update period ends.

Annexure C: Triage and Prioritisation Standard

C.1 Status, application and commencement

- This Standard is issued by departmental order, and that order is in force before the first unit is commissioned; until it is issued no unit operates the Standard. It applies at each of the seventy-five field units from the date that unit is commissioned, and binds the Unit In-charge, the Examiner and the Custodian at every field unit and the investigating officer who forwards a digital exhibit.
- No exhibit is refused. Every exhibit forwarded is received, sealed, registered, acquired, hash-verified, recorded in custody and preserved. The Standard determines only the forensic treatment an exhibit receives and the order in which it receives it. It does not decide whether an offence is investigated, what is charged or the outcome of any proceeding, it creates no presumption for or against any person, and it does not authorise a unit to refuse an exhibit, to decline to receive one, to return one unacquired or to leave one unrecorded. A priority class is not evidence of anything, and nothing in this Standard limits the power of the authorised officer, being an officer of the Cyber Crime Headquarters of a rank designated by the Department for the purpose, to require examination or production within any period the written approval states.
- It is implemented as fields in the unit's Case and Evidence Management System, specified at Chapter 10, Section 10.3.14, and not as a paper form; those fields are the Triage and Priority Register, column set E-4 at Annexure D. The version in force is carried on every classification entry. The number of linked complainants at P2-c, the threshold at P2-d and the list of statutory provisions at P2-e are stated expressly in the departmental order; the system applies the values in force, and a change takes effect only by amendment of that order.

C.2 The three treatments and the four priority classes

Table C.1: The three treatments

Treatment	What is done	What is produced
T-A: Full examination	Acquisition and verification; keyword and pattern search; carving; timeline reconstruction; artefact recovery across the applicable classes; correlation across the case's exhibits; analysis to the question asked	Full examination report carrying exhibit identifiers, hash values on receipt and at each stage, tool and version, method and parameters, operator identity and dates, the findings, and a statement of limitations
T-B: Bounded triage examination	Acquisition and verification, then a defined automated processing pass against the published artefact list, with a bounded manual review of its results	Hashed, case-bound triage package, and an investigating-officer summary stating what was searched, what was found, what was not searched and why, and the escalation test result
T-C: Preserve and hold	Acquisition; hash verification; custody entry; write to archival media, verified against the acquisition hash; release of primary storage; retention	Acquisition certificate with hash values, the custody entry and the archival media reference. No finding is stated and none may be implied

The archival rule is not discretionary: a preserved exhibit's verified image is written to archival media, hash-verified against the acquisition hash and removed from working storage within five working days of acquisition, the media identifier being recorded against the exhibit; reclassification restores it, the restoration being itself hash-verified and recorded.

The Unit In-charge assigns one class to the case at intake and that class governs every exhibit in it. A case is P1 where any criterion at Table C.3 is true; P2 where any criterion at Table C.4 is true and no P1 criterion applies; and otherwise as Table C.5 provides.

Table C.2: The four priority classes

Class	Treatment	Target from the date of classification	Referral eligible
P1: Immediate	T-A Full examination	Report issued within 7 working days	Yes
P2: Priority	T-A Full examination	Report issued within 20 working days	Yes

Class	Treatment	Target from the date of classification	Referral eligible
P3: Standard	T-B Bounded triage examination	Summary issued within 45 working days	No
P4: Preserve	T-C Preserve and hold	Acquired, verified and archived within 10 working days of receipt	No

C.3 The criterion codes

Every classification records the code relied on, the fact relied on in brief, and where that fact is recorded in the case papers. Each criterion is determinable by a police officer at a District from the case papers alone, being the sections of law recorded in the first information report, the arrest and custody record, the written approval of the authorised officer, the complaint, the forwarding memorandum and the written question accompanying it, the scene examination record and its videography reference, the linked-complaint record, or the written statement of the investigating officer; none requires technical adjudication, examination of the exhibit or reference to Headquarters.

Table C.3: Criterion codes for class P1 (Immediate)

Code	Criterion
P1-a	The offence is punishable with death or with imprisonment for life
P1-b	An accused is in custody and the examination bears on the remand or charge-sheet timeline
P1-c	The written approval of the authorised officer requires examination, or production, within a stated period
P1-d	The case concerns an offence against a child, including child sexual abuse material
P1-e	There is a continuing threat to life or safety, or a continuing offence that the examination may assist in stopping

Table C.4: Criterion codes for class P2 (Priority), applied where no P1 criterion is true

Code	Criterion
P2-a	The offence is punishable with imprisonment for seven years or more
P2-b	The digital exhibit is the only or the principal evidence in the case
P2-c	The case is one of organised or syndicate offending, or more than the stated number of complainants are linked to the same case
P2-d	The reported loss exceeds the prescribed threshold for automatic registration
P2-e	The case concerns an offence against a woman under the specified provisions
P2-f	A forensic examination of the scene was conducted under the statutory scene-visit provision

Table C.5: Criterion codes for classes P3 and P4, applied where no P1 or P2 criterion is true

Code	Class	Criterion
P3-a	P3	The case carries a digital exhibit to which no P1 or P2 criterion applies, and the investigating officer has stated in writing a specific question the examination is to answer
P3-b	P3	The case was classified P4, and the investigating officer has since stated in writing a specific question the examination is to answer
P4-a	P4	The exhibit was seized on search and no specific examination question has yet been framed
P4-b	P4	The exhibit belongs to a complainant or to a witness and was taken for preservation
P4-c	P4	Any remaining case carrying a digital exhibit to which no P1, P2 or P3 criterion applies

The sixteen codes at Tables C.3 to C.5 are exhaustive of the four classes: every case carrying a digital exhibit falls within exactly one of them, and there is no classification the system will accept that this Standard does not authorise. A classification entry carrying no criterion code is refused by the system. A treatment is withheld from a case, and a referral is refused, only against a criterion code published in this Standard.

C.4 The referral criteria

Table C.6 publishes the criteria on which a referral to Headquarters may be raised. They are the criteria at Chapter 6, Table 6.5, and are scheduled to the departmental order issuing this Standard. Criteria R-7, R-8 and R-9 are tested against the grade of suite the unit holds.

Table C.6: Referral criteria R-1 to R-9

Code	Criterion, as the officer sees it
R-1	The device is locked, or its storage is encrypted, and no passcode, credential or recovery key is available
R-2	Evidence held in a service or cloud account must be acquired under lawful authority

Code	Criterion, as the officer sees it
R-3	A credential or passphrase must be recovered to open a container already acquired
R-4	Records of more than one telecom operator must be correlated, or records across more than one case must be correlated
R-5	Investigation is required on the open internet or on an anonymised overlay network, or virtual assets must be traced
R-6	The authenticity of a photograph, recording or video must be established for court production, or synthetic media is alleged
R-7	The exhibit is a storage array or a multi-volume set that the unit's own suite is not required to reconstruct, or the unit's tool reports the file system as unsupported
R-8	The acquired volume of a single exhibit exceeds the unit's available working storage, and the unit's own suite is not required to process an exhibit of that size
R-9	The recording is held in a container that the unit's own suite is not required to decode

C.5 The decision, the officer and the record

- The Unit In-charge of the field unit at which the case is registered classifies, within two working days of receipt of the exhibit, on the record. The Examiner does not classify, because the examiner of a case may not determine its priority, and neither does the investigating officer. One class is assigned to the case and governs every exhibit in it. Every classification and reclassification is carried in the monthly certified return at Annexure E.
- The Triage and Priority Register is column set E-4 at Annexure D, which publishes every field it carries and which fields the system derives or fills. Every field there is mandatory, and a classification entry carrying no criterion code is refused.

C.6 Reclassification

- A class is raised on the written request of the investigating officer stating the reason, on the written direction of the officer supervising the investigation, or on the written approval of the authorised officer, the approval being recorded against the case. In each route the Unit In-charge decides on the record, the higher class and its treatment then apply, and the time target runs afresh from the date of the new classification.
- A class is lowered only by the Unit In-charge, on the record, and only where the case is closed, the case is transferred out of the unit, or the exhibit is released; the treatment already given stands and is recorded, and no completed treatment is withdrawn. A class may not be lowered for any other reason, and in particular may not be lowered because the unit lacks the capacity to give the treatment the class requires.
- Where an exhibit preserved under T-C is reclassified upward, the image is restored from archival media, the restoration is hash-verified and the examination proceeds. Every reclassification appears in the monthly certified return with its reason and its deciding officer.

C.7 The referral gate and the escalation test

A referral to Headquarters may be raised only where the case is classified P1 or P2 and one of the criteria R-1 to R-9 is met. A field unit refers to Headquarters and to nowhere else: there is no path between a District and a Commissionerate, and no referral, transfer or assistance passes between any two field units.

Table C.7: The referral gate

Class	Referral criterion met	What happens
P1 or P2	Yes	The Unit In-charge decides and signs the referral, recording the criterion code, the class, the exhibit identifiers, the hash values and the seal numbers before despatch
P1 or P2	No	The unit completes the full examination itself
P3 or P4	Yes	The unit completes the treatment its class provides and records the limitation expressly in the report or summary: what could not be examined, why, and what capability would be required. Reclassification under Section C.6 is the only route to referral eligibility, and where the limitation is material the class is raised
P3 or P4	No	The unit completes the treatment its class provides

The escalation test is the check the Examiner performs at the conclusion of a bounded triage examination or of a full examination, against the criteria at Table C.6, to determine whether the case requires a capability the unit does not hold. It asks one question of the case as examined: does any referral criterion now apply? The answer takes one of two recorded forms, that no criterion applies, or the code of the criterion that does. It is a finding of fact; it confers no discretion, is not a request and expresses no opinion on the merits. Its result is entered in the Triage and Priority Register and stated at section 8 of the triage summary at Annexure D. Every reference to the escalation test elsewhere in this Request for Proposal is a reference to this definition and to no other.

Referral out of the programme to the State Forensic Science Laboratory or to the notified Examiner of Electronic Evidence, on codes X-1 to X-4 at Chapter 6, Section 6.8, is decided on the criterion alone and carries no class condition.

C.8 The rules that keep the Standard honest

- No quotas. A unit may not assign a class to fit its capacity; the class follows the criteria and nothing else. Where P1 and P2 volume exceeds what the unit can complete, that is reported and escalated as a capacity event within five working days of the close of the month, and is never managed by downgrading. Evidenced by the criterion code on every classification entry, the certificate on the monthly return and the capacity-event report at Annexure E.
- The uplift rule. A unit with residual capacity in a month applies the next higher treatment to pending cases, oldest first, and records that it did so; residual capacity is used and not banked. An uplift raises the treatment given, does not raise the class and does not make the case referral-eligible. Evidenced by the uplift flag and date in the Register and the uplift count in the monthly return.
- The referral gate is a class gate. Referral is available to P1 and P2 cases only; at P3 and P4 the limitation is recorded instead and reclassification is the route. Evidenced by the class and criterion code on every referral request and the count of limitations recorded in the monthly return.
- T-C is not a finding. No document produced under preserve-and-hold may state or imply that nothing was found; it states what was acquired, verified and preserved and nothing else. Evidenced by the acquisition certificate structure and the quality-review checklist at Annexure D.
- The criteria are objectively determinable from the case papers alone. Evidenced by the recorded fact relied on and where it is recorded.
- The Standard is published in this Request for Proposal and issued by departmental order, so that a complainant, an accused person, a court and an auditor can each see the rule that was applied. Evidenced by this Annexure, the order, and the version in force on every classification entry.

C.9 Supervision and exception reporting

Supervision is by the monthly certified return and the exception reports made over and above it. The measures, their thresholds and their consequences are published once, at Annexure E, and are not restated here: time to classification at PI-03; treatments completed by class at PI-02; the age of the oldest pending P1 and P2 case, and the report by name where either threshold is crossed, at PI-08, PI-09 and Table E.13; reclassifications at PI-10; uplifts at PI-11; cases held under T-C and their archival media position at PI-12 and Part 6 of the return; referrals by criterion code at PI-15, whose rolling twelve-month volume carries the re-sizing trigger at Chapter 3, Table 3.6, trigger T-7; limitations recorded at P3 and P4 at PI-21; and the capacity event at PI-14 and Table E.13. Where the written approval of the authorised officer requires examination or production within a stated period, the case is classified or reclassified P1 under criterion P1-c and the approval is recorded against the case.

Annexure D: Standard Operating Procedure Templates and Registers

D.1 Status of these column sets

The column sets published here are the functional specification of the Case and Evidence Management System, item SW-12. They are not paper forms: they are the system's fields, delivered in the unit's own instance, each carrying the name, permitted values and status published here. A column set not present as a field in the delivered system is a non-conformance, tested at site acceptance and at the SW-12 acceptance tests at Annexure B. Chapter 10, Section 10.3.14 states what the system must do; this Annexure states the fields in which it does it. Fifteen column sets and templates are published and the delivered system carries all fifteen, save that the Headquarters referral register E-13 is carried at the Headquarters instance alone.

In Table D.1, S marks a field generated by the system and not keyed by an officer, O marks an optional field, and every other field is mandatory; a field expressed as applying to an occasion, item or state is mandatory whenever that occasion, item or state arises. Closed permitted values are separated by an oblique. Every date and time field is recorded in Indian Standard Time on a 24-hour clock at the time of the act.

Seven controls apply across every column set and are not repeated in each.

- The record is the entry made in the system at the time of the act by the officer performing it; a printed form is a rendering and is never the record. Where a printed instrument travels with an exhibit, being the custody slip E-7 and the manifest E-6, the system generates it from the entry and records its issue. A handwritten substitute is used only where the system is unavailable, the entry being made on restoration with the fact and period of unavailability recorded.
- Maker-checker applies to every evidentiary action: the officer performing an act and the officer approving or reviewing it are separately identified, and the examiner of a case may not review or countersign that case's report. The system refuses the attempt, and a record made after the event does not satisfy the control.
- Every entry is written to an immutable local audit log; an attempt to alter a committed entry produces a superseding entry and never an edit in place, the original being preserved.
- The case identifier and the exhibit identifier are generated by the system of the field unit at which the case is registered, are never typed, chosen or edited by a user, and are never reissued, replaced or substituted anywhere else.
- No occasion may be recorded that would leave a gap in the chain: the system refuses a movement entry whose releasing officer is not the officer recorded as holding the exhibit.
- Refusal conditions. A classification entry carrying no criterion code from Annexure C is refused; a referral carrying a class other than P1 or P2 is refused; a countersignature attempted under the identity that examined the case is refused; an edit or deletion of a committed audit-log entry is refused under every identity, including an administrative identity; and a disposal is refused while the disposal block is set, that block being set while the retention clock for the artefact class runs or while the case is open, and released only by a recorded act of the Unit In-charge citing the authority relied on.
- The instance is unit-local and standalone: no server instance, no consolidation, no replication and no transfer of content between units of any kind, online or offline, at any cadence, in any direction. The Headquarters instance is configured as a referral register keyed to the originating unit's identifiers; it registers no case and issues no case identifier of its own.

D.2 The column sets and the fields the delivered system must carry

Table D.1: Column sets E-1 to E-15 and their field sets

Identifier	Column set or template	Fields the delivered system must carry

Identifier	Column set or template	Fields the delivered system must carry
E-1	Evidence intake form	Unit name and tier (S); intake serial, sequential and non-reusable (S); forwarding memorandum reference and date; case identifier, issued on completion of intake (S); date and time of registration, and the registering Unit In-charge (S); forwarding officer, designation and police station; investigating officer, designation, police station, and first-information-report number and date; offence particulars, being the sections of law recorded, from which the criteria at Annexure C are determined; authority for seizure; date, time and place of seizure; statutory search-and-seizure record reference, where seized on search; the question the examination is to answer, or the recorded fact of its absence, carried forward to classification; item serial (S); description; make, model and capacity as marked; serial number and identifying marks; device state as received (powered / switched off / locked / unlocked / network-connected / not applicable); condition and damage observed; photograph reference; shielding bag applied, with bag identifier, for radio-capable devices; intake seal number, from the seal stock register; numbered receipt issued to the forwarding officer (S); receiving Custodian; date and time of receipt (S); discrepancy, with incident reference where any
E-2	Exhibit register	Exhibit identifier, unique and never reissued (S); case identifier (S); intake serial, linking to E-1 (S); exhibit class (mobile device / computer or storage / removable media / telecom record set / other); description, make, model and capacity; identifying marks and serial number; person from whom seized, with status (accused / complainant / witness / other); current seal number (S); storage location, by cabinet and position; current status (in store / in examination / referred to Headquarters / referred out of the programme / returned / released / disposed) (S); priority class and treatment assigned, from E-4 (S); acquisition status and date (not acquired / acquired / verified) (S); acquisition hash, algorithm named; verification result (match / mismatch), with incident reference where mismatch; archival media reference, for T-C and on completion; retention class under Annexure L, derived where it follows from the artefact type (S) and otherwise assigned by the Unit In-charge on the record with the class, the reason and the date, the artefact being held meanwhile on the longest period applying to any artefact of the same case; disposal block (S); release or disposal reference, being order, date and acknowledgement; remarks (O)
E-3	Chain-of-custody and movement register	Entry serial, sequential, non-reusable, per unit (S); exhibit and case identifiers (S); occasion, being one of receipt from the forwarding officer / placement into storage / production for acquisition or examination / return to storage / despatch on referral / receipt on return from referral / despatch for production to a court / receipt on return from production to a court / release, transfer or disposal, and no other; date and time, recorded at the time of the act (S); releasing officer and designation; receiving officer and designation; seal number broken, where any; seal number applied, from the seal stock register; condition observed, recorded by the receiving officer; purpose, tied to the authorisation where the occasion is production for examination; destination or location, being the zone, cabinet position or the receiving unit on referral; hash re-verification result (match / mismatch), on receipt of a referral package and on its return; authorisation reference of the Unit In-charge, where the occasion requires one; remarks (O); entry made by, with authenticated identity, and the entry timestamp (S)
E-4	Triage and Priority Register	Case identifier (S); exhibit identifiers, all exhibits in the case (S); date of receipt, from E-1 (S); date of classification, with the elapsed working days from receipt computed (S); class assigned (P1 / P2 / P3 / P4); criterion code relied on (P1-a to P1-e / P2-a to P2-f / P3-a to P3-b / P4-a to P4-c), an entry without a code being refused; the fact relied on, and where it is recorded in the case papers; version of the Standard in force (S); assigning officer and date (S); treatment assigned (T-A / T-B / T-C), derived from the class (S); target date, computed from the class and the date of classification (S); per reclassification, the serial (S), date, new class, direction (raised / lowered), reason with the request or direction referenced, requesting officer or authority (investigating officer / supervising officer / authorised officer) with its reference, and deciding officer (S); uplift applied, with date, where a higher treatment was given; treatment actually given (T-A / T-B / T-C); date the report or summary issued, after countersignature; archival media reference, for T-C; limitation recorded, with the code, where a referral criterion was met at P3 or P4; referral eligibility, derived as eligible where the class is P1 or P2 (S)
E-5	Removable-media crossing register	Medium identifier, unique and marked on the medium (S); purpose class, being one of the six classes at Chapter 4, Section 4.7 and no other: inward import of signature, definition and licence updates; inward import of tool, firmware or operating-system patches; inward import of Department-supplied reference and known-answer material, with its dataset reference and published version; at Headquarters alone, inward import of evidential capture taken on the non-attributable egress segment of the Controlled Internet Zone, carrying the originating case identifier to which the capture was bound, the capture manifest reference, the session-log reference and the digest of each captured component; outward export of completed reports and summaries; and outward export of manifests, certificates and returns. The medium is single-purpose, is not shared between directions and is used for no class other than the one recorded; issued by, being the Unit In-charge (S); issued to, with designation; date and time of issue (S); direction of crossing (into the evidence-processing zone / out of the evidence-processing zone); description of what crossed, being the update set and version or the report, summary or manifest identifier; hash on write and hash on read, algorithm named, at both ends of the crossing; sanitisation before use, with method, officer, date and result; sanitisation after use, likewise; returned to the register, with date, time and receiving officer; withdrawal and disposal reference, where sanitisation failed; incident reference, where a medium not issued from this register was used or a medium was used for another purpose. No original exhibit, forensic image or working copy of an exhibit crosses by this route, and none is recorded here; an evidential capture imported at Headquarters under the fourth inward class is not such an image and is recorded with the particulars above
E-6	Referral request and package manifest	Originating unit and tier (S); originating case identifier, never reissued at Headquarters (S); originating exhibit identifiers, one row per item (S); priority class (P1 or P2 only), a referral being refused for any other class (S); referral criterion code (R-1 to R-9); the question the referred examination is to answer; contents of the package, stated per item as original exhibit or verified forensic image; description and condition of each item as packed; acquisition hash and algorithm per item; verification hash computed immediately before sealing; authorisation relied on, with reference and date, where an authorisation-gated capability is requested; seal numbers on despatch, being two numbered tamper-evident seals from the seal stock register; packing Custodian, with designation and signature; referral decision, with the name, designation and signature of the Unit In-charge and the date and time; carrier, being the departmental courier reference or the escorting officer's name and designation; return address (S); date and time of despatch (S); acknowledgement reference, being the Headquarters referral entry number and date; seal numbers on return, being two applied at Headquarters; hash re-verification on return (match / mismatch), with incident reference where mismatch; date of receipt on return (S)
E-7	Custo	Originating unit and manifest reference (S); case and exhibit identifiers as issued by the originating unit (S); number of items in

Identifier	Column set or template	Fields the delivered system must carry
	dy slip travelling with a package	the package (S); seal numbers applied (S); hash values with the algorithm named, one line per item (S); despatching officer, with designation, signature, date and time; hand-over entries, one row per hand-over, carrying name, designation, organisation, signature, date and time; receiving officer at destination, likewise; seals verified on receipt, with the numbers checked; condition on receipt and any discrepancy, a discrepancy being raised as an incident
E-8	Examination report structure	Fifteen mandatory sections in this order: 1 header, being unit, report number, date of issue, case and exhibit identifiers; 2 the question the examination was to answer, as stated by the investigating officer; 3 the authorisation, with reference and date; 4 description and condition of each exhibit on receipt, with seal numbers; 5 hash values on receipt and at each stage, algorithm named, with the verification result at each stage; 6 acquisition and examination methods and the parameters applied, including search terms as run; 7 tool and version, and firmware version where applicable, for each operation; 8 the officer performing each action, with dates; 9 findings, supported by the artefacts cited; 10 inference, stated separately and distinguished from findings; 11 statement of limitations, being what was not examined and why, what capability would be required, and, where a referral criterion was met at P3 or P4, the code and the fact; 12 enclosures, being artefact listings, exports, working-copy hashes and archival media references; 13 signature of the Examiner, with designation and date; 14 countersignature of the reviewer, with designation and date, the reviewer not being the examiner of the case; 15 distribution, being the investigating officer and the case file, with copies recorded in the system
E-9	Triage summary structure, issued under T-B	Eleven mandatory sections in this order: 1 header, being unit, summary number, date, case and exhibit identifiers; 2 the question stated by the investigating officer; 3 hash values on receipt and at acquisition, algorithm named, with the verification result; 4 scope applied, being the published artefact list and the automated processing pass performed; 5 search performed, being terms and parameters as run and the bounded manual review; 6 what was found, stated as artefacts recovered; 7 what was not searched, and why, stated expressly and without qualification; 8 the escalation test result as defined at Annexure C, Section C.7, being whether a referral criterion is met, the code if so, and the consequence under the class gate; 9 triage package identifier and its hash; 10 limitations, stated expressly; 11 signature and countersignature of the Examiner and the reviewer, with designations and dates
E-10	Acquisition certificate	Unit, case and exhibit identifiers (S); source device identification, being type, make, model, serial number, capacity and the applicable device or account identifier; state of the device as received (powered / switched off / locked / unlocked / network-connected); write-blocking method, and the reference of the write-block verification record for the session; tool, version and firmware version; interface used, settings and parameters applied, sufficient for a second examiner to repeat the acquisition; acquired byte count as reported by the tool (S); volatile data preserved, with method, officer, time and the identifier of the preserved set, where the device was received powered; power interruption during the session, with the time of failure, the runtime remaining, the decision taken under Chapter 6, Section 6.14, and the reference of any partial-image record; start and end timestamps (S); acquired image identifier, format and size, being an open forensic container or a raw image; hash algorithm and acquisition hash; verification hash and match statement, computed against the source before its return to custody; working-copy hash against the master image, where a working copy was made; archival media identifier, for T-C; custody entries referenced, being the production and return entries for the session (S); operator, with designation, signature and date. Where the treatment is T-C this certificate is the whole of the document issued: it states what was acquired, verified and preserved, and may not state or imply that nothing was found
E-11	Seal stock register	Seal series and number range received; quantity received and date of receipt; consignment reference under the consumables provision; receiving Custodian; per seal issued, the seal number (S), the purpose (intake / storage / release / referral despatch / referral return / re-sealing on incident), the case and exhibit identifier where the seal is applied to an exhibit or a package, and the issuing officer and date (S); seals spoiled or voided, with number, reason and witnessing officer; balance on hand, computed (S); monthly physical verification, with date, verifying officer, counted balance, and any discrepancy and its resolution
E-12	Quality-review checklist and closing record	Thirteen checks, each recorded as met or not met: 1 the authorisation preceded the action to which it relates; 2 every hash value is recorded and every verification matched; 3 the method stated in the report is the method performed, as evidenced by the system's records and the tool logs; 4 custody entries are complete from receipt, with no gap; 5 the findings are supported by the artefacts cited; 6 inference is distinguished from finding; 7 the statement of limitations is present and expressly stated; 8 the classification, the treatment actually given and the time target are consistent with the register; 9 where the class is P3 or P4 and a referral criterion was met, the limitation and the code are recorded (or not applicable); 10 tool, version and firmware version are recorded for each operation; 11 the reviewer is not the examiner of the case; 12 where the treatment is T-C, no document states or implies that nothing was found (or not applicable); 13 the report carries the particulars required for the statutory certificate. Closing record: reviewer, with designation and date; observations returned to the Examiner; outcome (issued / returned for rework), with the date of re-submission where returned. Review is a procedural and evidentiary check on completeness, method, hash values and limitations, is not a re-examination, and does not require the reviewer to be a trained examiner; where a unit's only trained examiner is also its Unit In-charge, the review is performed on the record by the officer to whom the Unit In-charge reports
E-13	Headquarters referral register	Referral entry number, being a reference to the referral and not a case identifier (S); originating unit and tier; originating case identifier, never altered; originating exhibit identifiers; priority class as certified by the originating unit (P1 or P2); referral criterion code (R-1 to R-9); date of the referral decision stated on the manifest, from E-6, being the date on which the originating Unit In-charge signed the referral and the date from which transfer turnaround runs; date of despatch stated on the manifest, from E-6; date and time of receipt at Headquarters (S); seals verified on receipt, with the numbers checked; hash re-verification on receipt (match / mismatch), recorded before any processing begins; incident reference, where a seal discrepancy or hash mismatch was found; acknowledgement issued, with its date (S); the decision to accept or decline the referral, with its date, taken within one working day of hash verification; where declined, the ground relied on (criterion not made out / class not P1 or P2 / outside CIDAL), the reasons recorded, the date of the written notification to the originating unit, the date of despatch of the return, the seal numbers applied and the originating unit's acknowledgement with its date, and the elapsed working days from the referral decision to that acknowledgement (S); assigned Discipline Specialist, by post and identity;

Identifier	Column set or template	Fields the delivered system must carry
		authorisation register entry reference, where an authorisation-gated capability is exercised; examination start and finish dates (S); report number and date of issue to the originating Unit In-charge; date of despatch of the result and of the exhibit, with the seal numbers applied; acknowledgement of return by the originating unit, with date and receiving officer; non-examination elapsed working days, computed from the date of the referral decision to the date on which the originating unit acknowledges the return, less the days on which the exhibit was under examination at Headquarters, the span thus carrying preparation and despatch, transit out, acknowledgement and verification, despatch of the result, and transit back (S); retention reference under Annexure L for the retained copy of the report (S). Headquarters registers no case and issues no case identifier, and ownership of the case remains with the originating field unit throughout, including while the exhibit is at Headquarters
E-14	Statutory certificate for an electronic record	Certificate serial and version (S); case and exhibit identifiers (S); the proceeding in which the record is submitted, with the court or authority and the case or proceeding reference; submission serial, recording the fact and date of each instance at which the record is submitted for admission, a further submission generating a further certificate and never an amendment of one already issued (S); date and place of execution. Part A, executed by the party producing the electronic record: the source from which the record or output was produced; device type; make, model, serial number and the applicable device or account identifier; the declaration of lawful control of the device for regularly creating, storing or processing information; the hash value with the algorithm named and the reference of the enclosed hash report; and the executing officer's identity, designation and signature, with date, time and place. Part B, executed by the expert: verification that the record or output was obtained from the stated device or source; repetition of the device identification; confirmation that the hash values match, with the algorithm named; and the executing expert's identity, designation and signature, with date, time and place. Provenance of each particular, being the E-2, E-8 and E-10 entries from which the system drew it, no field being keyed where an entry already carries it (S); and the issue record of every certificate generated against the record, with its serial, date and issuing officer (S)
E-15	Clock-verification register	Machine identifier, being the analysis workstation, acquisition and processing node or hardware imager on which the check is made (S); date of the check (S); occasion, being start of the working day or immediately before an acquisition; reference time observed in the Controlled Internet Zone, with its source; Evidence Processing Zone clock time observed; offset computed, in seconds (S); whether the offset exceeded two seconds; correction applied, with the corrected time and the time at which it was applied; verifying Examiner, with authenticated identity (S); entry timestamp (S); the acquisition record opened on that machine on that day, linked where one was opened (S). The system refuses to open an acquisition record on a machine for which the day's check is not recorded, and refuses to proceed while a recorded offset exceeding two seconds stands uncorrected

D.3 The statutory certificate: column set E-14

Admissibility of an electronic record depends on the certificate required by section 63(4) of the Bharatiya Sakshya Adhiniyam, 2023. Its two parts, and the substance each records, are governed by Chapter 5, Table 5.2 and are not restated here. This Annexure fixes that the delivered system carries them as fields, draws every particular from entries already made rather than admitting re-keyed text, and records the fact of each further submission, a certificate being required at each instance at which the record is submitted for admission. The examination report at E-8 and the acquisition certificate at E-10 supply the particulars from which it is executed, and check 13 at E-12 verifies that they are present before the report issues.

Annexure E: Performance Indicators, the Monthly Return and Reporting Formats

E.1 What is measured, and from what it is taken

Every field measure is taken from the monthly certified return of the unit concerned and from no live figure. There is no data connection between units, and Headquarters holds no consolidated live view of field caseload; nothing moves between units except a specific referred exhibit or its verified image under an unbroken chain of custody. No indicator here measures the cadence, completeness, timeliness or exception count of a transfer between units, because no such transfer exists.

Five sources produce every indicator and no indicator draws on any other: the monthly certified return, with the returns register at Headquarters and the exception reports at Table E.13, made over and above the return on the same certification; the Headquarters referral register; the System Integrator's service records held or countersigned at Headquarters, being the ticket record, the open-defect register furnished monthly under Chapter 10, Section 10.2.3, and the spares-despatch, battery-capacity-test and maintenance-visit records; the training register at Headquarters; and the acceptance and commissioning certificates. The source of each indicator is stated against it.

Three constraints govern the set. No indicator is expressed as a reduction against a baseline the Department does not hold. No indicator requires a case-level record to be held anywhere other than at the unit that owns the case. No indicator, service level, credit or acceptance criterion depends on a live field figure; where a measure needs field data it is framed against the certified return and reconciled, at the next physical inspection, against the System Integrator's ticket, despatch and visit records.

The indicators here measure the programme. The service levels at Chapter 13 and Annexure I measure the System Integrator's performance and are the only basis on which a service credit arises. Where an indicator and a service level share a source, the service level governs the credit and the indicator governs the reporting; no service credit arises under this Annexure.

E.2 Indicator definitions

Table E.1: Casework, classification and treatment indicators

Ref	Indicator	Definition and computation	Source	Frequency	Target
PI-01	Exhibits received, by class	Count of exhibits received in the month by exhibit class: mobile, computer or storage, removable media, telecom record set, other	Certified return, Part 2	Monthly	A count, reported without omission by 75 of 75 field units and consolidated for the capacity review
PI-02	Cases received and treated, by priority class	Cases classified P1, P2, P3 and P4 in the month; treatments completed in the month by priority class and by treatment	Certified return, Part 3	Monthly	A count, reported without omission and consolidated for the capacity review
PI-03	Time to classification	Cases classified within 2 working days of receipt of the exhibit, as a share of cases classified in the month	Certified return, Part 3	Monthly	Not less than 95 per cent
PI-04	P1 examination report issued	P1 cases in which the report issued within 7 working days of classification, as a share of P1 reports issued in the month	Certified return, Part 3	Monthly	Not less than 90 per cent
PI-05	P2 examination report issued	P2 cases in which the report issued within 20 working days of classification, as a share of P2 reports issued in the month	Certified return, Part 3	Monthly	Not less than 85 per cent
PI-06	P3 triage summary issued	P3 cases in which the summary issued within 45 working days of classification, as a share of P3 summaries issued in the month	Certified return, Part 3	Monthly	Not less than 85 per cent
PI-07	P4 acquisition, verification and archival write	P4 exhibits acquired, verified and written to archival media within 10 working days of receipt, as a share of P4 exhibits received	Certified return, Part 3, with archival media	Monthly	Not less than 95 per cent

Ref	Indicator	Definition and computation	Source	Frequency	Target
			references		
PI-08	Age of the oldest pending P1 case	Working days from classification to the close of the month for the oldest P1 case not yet reported on	Certified return, Part 4	Monthly	Not more than 14 working days; a case beyond it is also reported by name
PI-09	Age of the oldest pending P2 case	As above, for P2	Certified return, Part 4	Monthly	Not more than 30 working days; a case beyond it is also reported by name
PI-10	Reclassifications	Count raised and count lowered, each with reasons in summary and the deciding officer	Certified return, Part 3	Monthly	Every reclassification recorded with its reason and its deciding officer: 100 per cent
PI-11	Uplift applied	Cases given a treatment higher than their class required, under the uplift rule, oldest first	Certified return, Part 3	Monthly	Residual capacity used and not banked; the count reported each month
PI-12	Archival write and working-storage release	Preserved images written, verified and removed from working storage within 5 working days of acquisition, as a share of preserved images	Certified return, Part 6	Monthly	Not less than 95 per cent
PI-13	Full-examination share of examinable cases	Cases receiving full examination as a share of cases carrying at least one digital exhibit, consolidated across the field estate and reported State-wide and separately for the Districts and for the Commissionerates	Consolidated certified returns	Quarterly and annual	A share, read against the load actually measured. It measures the capacity position, is neither a service level nor an obligation on the System Integrator, and no service credit arises from it; a falling share alongside a rising PI-14 is a re-sizing signal tested against Chapter 3, Table 3.6
PI-14	Capacity events	Months in which a unit reported that P1 and P2 volume exceeded what it could complete	Capacity event report; certified return, Part 4	Monthly	Reported within 5 working days of the close of the month; never managed by downgrading a class

The time targets at PI-04 to PI-07 are targets for a unit operating within its capacity. A unit whose P1 and P2 volume exceeds what it can complete will miss them; that is a capacity event under PI-14, reported with the volume, the shortfall and confirmation that no class was downgraded. It is never managed by downgrading a class or assigning a class to fit capacity, and no service credit arises from it.

Table E.2: Referral indicators

Ref	Indicator	Definition and computation	Source	Frequency	Target
PI-15	Referral volume, by criterion	Referrals raised to Headquarters in the month, counted by criterion code R-1 to R-9	Certified return, Part 5; Headquarters referral register	Monthly, and as a rolling twelve-month total	Not more than 600 referrals in any rolling twelve months. The rolling total carries the re-sizing trigger at Chapter 3, Table 3.6, trigger T-7
PI-16	Referral transfer turnaround	Non-examination elapsed working days per referred exhibit, from the date of the referral decision recorded on the manifest to the date the originating unit acknowledges the return, less the days the exhibit was under examination at Headquarters. The span carries preparation and despatch, transit out, acknowledgement and verification, despatch of the result, and transit back; the indicator is understated if any is excluded. Reported as the mean and as the ninetieth percentile	Headquarters referral register; certified return, Part 5	Monthly, from the first month of operations	Not more than 11 working days as a monthly mean
PI-17	Referral acknowledgement	Referral packages acknowledged, seals verified and hash values re-verified within 1 working day of receipt, as a share of packages received	Headquarters referral register	Monthly	Not less than 98 per cent

Ref	Indicator	Definition and computation	Source	Frequency	Target
	and verification on receipt				
PI-18	Seal discrepancies and hash mismatches on transfer	Count of packages received or returned with a seal discrepancy or a hash mismatch, and the status of each incident at month end	Headquarters referral register; certified return, Part 5	Monthly	Zero. Every instance is an incident, investigated and reported in writing; it is not a defect notice against the System Integrator
PI-19	Referrals returned and closed	Referrals on which the report has issued to the originating Unit In-charge and the exhibit has been returned and acknowledged	Headquarters referral register	Monthly	A count, reconciled against PI-15 for the same period
PI-19a	Referrals declined	Referrals declined at Headquarters in the month, counted by ground, with the elapsed working days from the referral decision to the originating unit's acknowledgement of the return	Headquarters referral register	Monthly	A count. Return acknowledged within 5 working days of the decision in not less than 95 per cent
PI-20	Referrals out of the programme	Referrals to the State Forensic Science Laboratory or the notified Examiner of Electronic Evidence, counted by code X-1 to X-4	Certified return, Part 5	Monthly	A count. Work leaving the programme is visible and countable
PI-21	Limitations recorded at P3 and P4	Cases at P3 or P4 in which a referral criterion was met, the limitation was recorded expressly, and the class was or was not subsequently raised	Certified return, Part 5	Monthly	Every such case recorded with the criterion code: 100 per cent

Table E.3: Support, software quality, training and delivery indicators

Ref	Indicator	Definition and computation	Source	Frequency	Target
PI-22	Support-desk response and restoration	Incidents responded to and restored within the published targets for each severity, as a share of incidents in the month	Ticket records, countersigned on restoration	Monthly	Severity 1 responded to within 1 hour and restored within 8 working hours in not less than 95 per cent of incidents; lower severities as at Chapter 13. Acknowledgement, being issue of a ticket reference within 30 minutes, is measured separately at SL-11
PI-23	Field-unit equipment availability	Working days in the month at that unit on which the unit's procured equipment was unavailable for casework, a day being unavailable where at any time in that day the unit could not acquire, examine or record; reported as a count of unavailable working days against the number of working days in the month	Ticket records reconciled to the certified return, Part 7	Monthly, per unit	Not more than two unavailable working days per unit per month
PI-24	Controlled Internet Zone availability	Working days on which the unit's Controlled Internet Zone was in service, as a share of working days in the month at that unit	Certified return, Part 7	Monthly, per unit	Reported per unit. A unit without service is reported for departmental action; this is departmental scope and no service credit arises
PI-25	Cascade certification of secondary examiners	Secondary examiners certified on the published practical assessment, countersigned by the Unit In-charge and returned to Headquarters, per unit	Training register; certified return, Part 7	Monthly until achieved, then on change	5 certified secondary examiners at every field unit within 90 days of that unit's commissioning
PI-26	Training completion and pass rate	Officers assessed and passing per batch and per remote cohort	Training register, attendance verification, assessment sheets	Per batch and per cohort	Not less than 85 per cent passing at first attempt per batch or cohort, being the completion criterion for a batch; the training-certification service level is at Chapter 13
PI-27	Monthly return submitted	Field units whose certified return for the month was received by the fifth working day of the following month	Returns register at Headquarters	Monthly	75 of 75 field units

Ref	Indicator	Definition and computation	Source	Frequency	Target
PI-28	Incidents recorded and closed	Incidents recorded under the incident and contamination procedure, by type, with the status of each at month end and whether each was reported in writing within 1 working day of detection	Certified return, Part 6	Monthly	Every incident reported to the Unit In-charge on detection and in writing within 1 working day; every incident closed with a written report
PI-29	Consumable position	Months of published consumption held for each consumable class at the unit, and the seal stock balance verified	Certified return, Part 6; maintenance visit record	Monthly	No unit below two months of published consumption of any consumable class
PI-30	Units commissioned against the wave plan	Units accepted against the published wave assignment	Wave acceptance certificates	Per wave	76 of 76 units accepted by month 16
PI-31	Software defect resolution against the published obligations	Defects reported by the Department in the month, counted by severity class, and the share of each class in which the workaround and the permanent correction were delivered within the periods at Chapter 10, Table 10.7, the clock running from the Department's report of the defect and not from the System Integrator's acknowledgement of it	Open-defect register, furnished monthly and countersigned at Headquarters; ticket records	Monthly	Critical: workaround within 4 hours and correction within 7 days, in 100 per cent. High: workaround within 24 hours and correction within 30 days, in not less than 95 per cent. Medium: correction within 90 days or at the next release, in not less than 95 per cent. Low: at the next release. Three failures of the same obligation in any rolling three months is persistent failure and is a service-level breach under Chapter 13
PI-32	Critical defects affecting evidence integrity	Occurrences in the month of a defect causing or capable of causing loss, corruption or alteration of evidence, incorrect computation or verification of a hash, or failure of an audit log; and, for each, the elapsed time from the System Integrator becoming aware to its report to the Department, and the elapsed time to furnish the identification of every case processed with the affected version	Open-defect register; the System Integrator's incident reports; the certified returns of the units at which the affected version was deployed	Monthly, and on each occurrence	Reported to the Department within 4 hours of the System Integrator becoming aware, in 100 per cent of occurrences; the case identification furnished within 7 working days, in 100 per cent. Every occurrence is an incident under the contamination-response procedure and is reported by name to the Programme Management Unit

PI-31 and PI-32 are drawn from the open-defect register that Chapter 10, Section 10.2.3 requires to be furnished monthly and countersigned at Headquarters, and never from a unit's certified return; both are reconciled at each physical inspection against the incident entries the affected units made in their own systems. The Department determines severity; the System Integrator may represent, and the representation is recorded.

E.3 The monthly certified return: the published format

The return is compiled at the unit from its own Case and Evidence Management System, is generated by that system in this format without manual re-entry, is certified by the Unit In-charge, and is submitted from the Controlled Internet Zone by the fifth working day of the following month. It has eight parts, every part is mandatory, and a part with nothing to report carries a nil entry and is never omitted. The field list at Tables E.4 to E.11 carries every quantity the indicators at Tables E.1 to E.3 require: where an indicator is a share, the return carries both numerator and denominator; where an indicator is reported at a percentile, the return carries that percentile and not the mean alone.

Table E.4: Monthly certified return, Part 1: identification

Field	Content
Unit name and tier	Commissionerate or District, as published at Annexure A
Return period	Month and year
Return serial	Sequential per unit
Date of compilation and compiling officer	Date, name and designation
Certifying officer	Unit In-charge: name, designation, date and place
Version of the Triage and Prioritisation Standard applied	Reference of the departmental order in force

Table E.5: Part 2: caseload

Line	Measure
2.1	Cases registered in the month
2.2	Cases in which a digital exhibit was taken into custody
2.3	Exhibits received: mobile devices
2.4	Exhibits received: computers and storage
2.5	Exhibits received: removable media
2.6	Exhibits received: telecom record sets
2.7	Exhibits received: other classes
2.8	Exhibits received, total
2.9	Exhibits released, transferred or disposed of in the month

Table E.6: Part 3: classification and treatment

Line	Measure
3.1	Cases classified P1 / P2 / P3 / P4
3.2	Cases classified within 2 working days of receipt
3.3	Cases classified beyond 2 working days, with the delay recorded
3.4	Treatments completed, by treatment T-A / T-B / T-C
3.4a	Treatments completed, by priority class P1 / P2 / P3 / P4
3.5	Examination reports issued: total, and by priority class P1 and P2
3.5a	P1 examination reports issued within 7 working days of classification: count and share
3.5b	P2 examination reports issued within 20 working days of classification: count and share
3.6	Triage summaries issued: total, and P3 summaries issued within 45 working days of classification, count and share
3.7	Acquisition certificates issued under T-C; and P4 exhibits acquired, verified and written to archival media within 10 working days of receipt, count and share of P4 exhibits received
3.8	Cases given a higher treatment under the uplift rule
3.9	Reclassifications raised, by reason category: investigating officer's request / supervising officer's direction / authorised officer's written approval; and, for each, the deciding officer by name and designation
3.10	Reclassifications lowered, by reason category: case closed / case transferred out / exhibit released; and, for each, the deciding officer by name and designation

Table E.7: Part 4: pendency and ageing

Line	Measure
4.1	Exhibits pending at month end, by priority class
4.2	Age of the oldest pending item, in working days
4.3	Age of the oldest pending P1 case, in working days
4.4	Age of the oldest pending P2 case, in working days
4.5	P1 cases pending beyond 14 working days: count, and the reference of the report made by name
4.6	P2 cases pending beyond 30 working days: count, and the reference of the report made by name
4.7	Cases held under T-C at month end
4.8	Whether a capacity event was reported in the month, and its reference

Table E.8: Part 5: referral

Line	Measure
5.1	Referrals raised to Headquarters, by criterion code R-1 to R-9
5.2	Referral packages despatched
5.3	Referrals acknowledged by Headquarters, and referrals accepted or declined within 1 working day of hash verification
5.3a	Referrals declined, counted by ground (criterion not made out / class not P1 or P2 / outside CIDAL), with the elapsed working days from the referral decision to the originating unit's acknowledgement of the return
5.4	Referral reports received and filed against the originating case
5.5	Exhibits returned from referral and acknowledged
5.6	Referral transfer turnaround for packages closed in the month: mean working days
5.6a	Referral transfer turnaround for packages closed in the month: ninetieth percentile, in working days
5.7	Seal discrepancies or hash mismatches on despatch or return, with incident references and the status of each at month end
5.8	Referrals out of the programme, by code X-1 to X-4
5.9	Cases at P3 or P4 in which a capability limitation was recorded, by criterion code

Table E.9: Part 6: custody, consumables, continuity and incidents

Line	Measure
6.1	Acquired volume written to archival media in the month
6.2	Archival media written and hash-verified: count and the range of media identifiers
6.3	Preserved images removed from working storage within 5 working days: count and share of preserved images
6.4	Tamper-evident seals: opening balance, received, consumed, spoiled, closing balance
6.5	Date of the monthly physical verification of seal stock, and any discrepancy and its resolution
6.6	Consumable position: months of published consumption held, by class
6.7	Incidents recorded, by type, with the status of each at month end and whether each was reported in writing within 1 working day of detection
6.8	Removable-media crossings performed, and any sanitisation failure with the disposal reference
6.9	Monthly restore test required by Chapter 4, Table 4.10: date performed, the artefact restored, the hash verification result, the elapsed time to restore, the certifying officer, and the reference and resolution of any failed test
6.10	Mains failures during an acquisition; acquisitions closed as partial and re-run; any occasion on which a machine lost power notwithstanding its dedicated provision, with the power-continuity record reference
6.11	Cases affected by a notified Critical software defect; re-verifications completed; re-examinations completed; findings changed; intimations issued to investigating officers

Table E.10: Part 7: resources and training

Line	Measure
7.1	Working days in the month at the unit
7.2	Equipment faults raised in the month, and open at month end
7.3	Equipment downtime, in working days, by item identifier
7.3a	Working days in the month on which the unit's procured equipment was available for casework
7.4	Open service tickets at month end, by severity
7.5	Working days on which the Controlled Internet Zone was in service
7.6	Trained examiners available: primary, and certified secondary
7.7	Cascade assessments conducted and countersigned assessments returned to Headquarters
7.8	Officers newly posted to a duty in the month, and their training status
7.9	Preventive maintenance visit performed in the month: date and signed visit record reference
7.10	Annual capacity test of the unit-level and per-machine power provisions, where it fell due: date performed, provisions tested, any provision measured below 80 per cent of rated capacity, and the replacement reference
7.11	Remote training sessions delivered to officers of this unit in the month: officer, session and module, contact time present as a share of contact time delivered, and the Unit In-charge's certification of that attendance against the attendance-verification rule at Chapter 12 and Annexure J
7.12	Sessions livestreamed from the training laboratory and received at this unit in the month: date, subject and the number of officers who watched. The line is recorded for information; a livestreamed session is not part of any track, carries no assessment and no certificate, is not counted towards line 7.11 or towards any module, session or cohort of a track, and discharges no training obligation

Table E.11: Part 8: certificate and statement of limits, printed on the face of the return

Element	Text
Certificate	"I certify that the particulars in this return are drawn from the Case and Evidence Management System of this unit; that they are true to the best of my knowledge and belief; that every classification recorded carries a criterion code; that the training attendance recorded at Part 7 is certified against the attendance-verification rule and is not self-declared; that no case has been classified or reclassified to fit the capacity of this unit; and that every reclassification is recorded with its reason and its deciding officer." Unit In-charge: name, designation, signature, date and place
Statement of limits	"This return is self-reported and is not independently verifiable between physical inspections. It is lagged by up to thirty-five days. It carries aggregates and not case-level records, so no drill-down and no query is possible at Headquarters. It is capable of transcription error. It is reconcilable against an independent record only for the referred subset, against the Headquarters referral register. It is accurate as to direction and order of magnitude and is not a case-management view."

E.4 Consolidation, the reporting calendar and exception reports

Table E.12: The reporting calendar

Return	Compiled by	Certified by	Submitted to	Due	Reviewed by
Monthly certified return	The field unit, from its own Case and Evidence Management System	Unit In-charge	Headquarters	Fifth working day of the following month	Consolidated at Headquarters by the Documentation and Returns Officer
Consolidated monthly	Headquarters, from the	Documentation and Returns	Programme	Tenth working day of	Programme Management Unit

Return	Compiled by	Certified by	Submitted to	Due	Reviewed by
position	returns received	Officer, Headquarters	Management Unit	the following month	
Quarterly return	The field unit	Unit In-charge	Headquarters	Fifth working day after the close of the quarter	Technical Committee. Format: Parts 1 to 8 aggregated over the three months of the quarter, with the quarter's exception reports at Table E.13 and the unit's position against every indicator carrying a quarterly frequency
Annual return	The field unit, consolidated at Headquarters	Unit In-charge; Documentation and Returns Officer on consolidation	The Department	Within one month of the close of the year	Supports the annual capacity review
Independent audit observations	The Department-appointed Independent Auditor	The Independent Auditor	The Department	Per the audit programme	Apex Procurement Committee

Table E.13: Exception reports, made in addition to the return

Trigger	Reported by	Reported to	Within	What is reported
A P1 case pending beyond 14 working days from classification	Unit In-charge	The officer supervising the unit	2 working days of the threshold being crossed	The case by name, the class, the criterion code, the cause of delay and the expected date of issue
A P2 case pending beyond 30 working days from classification	Unit In-charge	The officer supervising the unit	2 working days of the threshold being crossed	As above
P1 and P2 volume exceeding what the unit can complete	Unit In-charge	The officer supervising the unit, and Headquarters	5 working days of the close of the month	The volume, the shortfall, the treatments given, and confirmation that no class was downgraded
A seal discrepancy or hash mismatch on a referral package	Unit In-charge, and Headquarters for a package received there	The officer supervising the unit, and the counterpart to that transfer, being Headquarters where the originating field unit detects it and the originating field unit where Headquarters detects it	1 working day of detection	The incident, the state observed, the time of detection and the detecting officer
Fewer than 5 certified secondary examiners at a unit 90 days after its commissioning	Training Officer, Headquarters	Programme Management Unit	At the close of the ninetieth day	The unit, the shortfall and the re-delivery plan
Referral volume exceeding 600 in a rolling twelve months	Headquarters, from the referral register	Technical Committee and Programme Management Unit	10 working days of the close of the month in which it is crossed	The rolling total, the criterion mix and the options under the re-sizing trigger at Chapter 3, Table 3.6, trigger T-7
A Critical software defect affecting evidence integrity	The System Integrator, on becoming aware, whether found by the Department, by the System Integrator or by a third party, and whether or not it has manifested at any unit	The Programme Management Unit, and the Unit In-charge of every unit at which the affected version is deployed	4 hours of becoming aware; the case identification within 7 working days	The affected versions, the conditions under which the defect manifests, the means by which the Department may determine whether a given case is affected, and the identification of every case processed with the affected version. The incident and contamination procedure at Chapter 6 governs what follows

E.5 How a figure is produced, and how it is verified

Every figure in the return is produced by the unit's Case and Evidence Management System from entries made at the time of the act and rendered into the published format without manual re-entry, so that a figure traces to the entry that produced it. The return is verified in three ways and in no other: reconciled, for the referred subset only, against the Headquarters referral register; checked at physical inspection at the unit, where the system, the exhibit and custody records, the seal stock, the restore-test records and the archival media are examined against the returns for the preceding period, any discrepancy being recorded and resolved; and

audited independently, the Department-appointed auditor sampling units and periods on its own programme, outside the System Integrator's contract, and reporting to the Apex Procurement Committee.

Annexure F: Proof of Concept Test Case Library

F.1 Status of this library and how it is used

- This is the complete published library of cases demonstrated at the proof of concept; no case, dataset, threshold or allowance outside it is put to any bidder. Sequence, governance, environment and scoring computation are at Chapter 17; what the panel records and what a failure produces are at Section F.14.
- Thirty-eight cases are demonstrated. Each is run by the bidder's own personnel on the bidder's own items, on material the Department supplies, in the panel's presence; the panel neither operates the items nor assists. Every output is produced at the bench, hashed in the panel's presence and retained; a result claimed but not produced at the bench is not a result. The known answer is not disclosed before the session. Within a case's allowance a bidder may re-attempt at will; on expiry the case is recorded as not demonstrated and the session proceeds.
- Every case runs on Department-supplied offline material. The only exceptions are the two cases at Section F.10 where the capability is inherently online, being lawful cloud and account acquisition and online and anonymised-network investigation; those two are governed by the rule in that section and by no other.
- All material is supplied by the Department, identical for every bidder, restored to the same recorded state before each session: synthetic or redacted datasets built for the purpose; locked and encrypted devices; a device set published by class, being platform family and release, encryption state and age band, published as a class and not as a single model so that no bidder can prepare against one handset; content in Hindi and the Devanagari script and a right-to-left sample; reference source media for the timed acquisitions; and the reference workloads at Chapter 10. The reference source media for the timed acquisitions at the proof of concept are not more than 250 GB in the solid-state class and not more than 200 GB in the rotating class, the published rate floors being applied to those capacities; the media at Annexure B, DS-02 and DS-03 are acceptance instruments and are not used here. The device and dataset set is described not less than ten working days before the first session. Material brought by a bidder is not admitted to the bench.

F.2 The column set, and the rules that govern every case

Every case belongs to exactly one scoring group at Chapter 17, Table 17.6. Items covered keys the case to the Bill of Materials: no item is gated without a case and no case exists without an item. Input is Department-supplied material only. Procedure is stated so that two panels observing two bidders apply the same test. Pass threshold is expressed against a known answer, a published floor or an observable refusal, and never against an opinion of quality. Allowance is scheduled time in minutes. Evidence retained is what the Department keeps in the session record. Six rules bind every case.

- No case requires, assumes or demonstrates a connection between one unit and another. Every field-grade case runs on one standalone configuration with no external interface enabled, and the register case on one unit-local instance. A bidder demonstrating a consolidation, replication or synchronisation function fails that case. No case moves data from one bench to another, and none simulates a transfer between units by a network path of any kind.
- No case requires a named product, and none requires a function to be performed in a particular way. A bidder offering a product equivalent to or better than one named in Chapter 10 demonstrates the product it offers, and is neither penalised nor advantaged for doing so. Where decoding is tested the sample set is named and published, and the criterion is complete decode of that set or a logged failure record stating what could not be decoded and why. There is no unbounded requirement to decode unnamed formats.
- A declared external dependency is demonstrated with that dependency visible in the record; an undeclared dependency found during a session fails that case.
- Every acquisition in this library is performed with hashing enabled.
- A case is passed only against the evidence retained; where the retained evidence does not support the pass, the case is re-scored on the record.
- The library is deliverable on equipment a bidder can reasonably bring or access. No case requires transport of an item that cannot move as ordinary freight; where an item cannot, the demonstration is on a

representative configuration of the offered build and the contractual figure is verified at inspection and acceptance instead.

F.3 Field workstation and acquisition and processing node

Table F.1: Cases PC-01 to PC-03 and PC-37: the field examination platform and the concurrent high-load test

Case	Scoring group	Items covered	Input	Procedure	Expected output	Pass threshold	Allowance	Evidence retained
PC-01	G3	HW-04	Published multi-threaded benchmark; reference bounded case dataset	Run the benchmark on the offered machine in its offered configuration; then run host, mobile and telecom software concurrently on the bounded case dataset through ingest, hash verification, indexing and the published search set	Benchmark result; three concurrent tool outputs; timing record	Benchmark score not below the published floor; concurrent run completed inside the allowance with all three outputs produced	60 min	Benchmark result file, run sheet, tool logs, output hashes
PC-02	G3	HW-05, HW-04	Reference unattended run set; a second exhibit for interactive use	Execute an unattended acquisition, hash, index, automated processing pass and archival write on the node, without operator attendance, while the analysis workstation is in interactive use on a different exhibit	Node output with hash manifest; archival medium written; both machine logs	Node run completes unattended and its output hash matches the known answer, while the workstation run completes within the published tolerance; both logs produced	75 min	Both machine logs, hash manifests, the written archival medium, timing record
PC-03	G1	HW-04, HW-05	A source device whose pre-acquisition hash is published to the panel at the close of the case	Acquire through every acquisition path offered; attempt a write to the source through each path; re-compute the source hash; export the operator session log and attempt to edit and delete it under the operating identity	Pre- and post-acquisition hash sheets; a refusal record for each write attempt; session log export	Source hash unchanged on every path; every write attempt refused and logged; session log records operator identity and cannot be edited or deleted by the operator	45 min	Hash sheets, refusal records, session log export, attempt record
PC-37	G3	HW-03, HW-04, HW-05, SW-01, SW-03, SW-	For the class under test: the reference exhibit published at Annexure B whose acquired volume exceeds that class's solid-state scratch; the reference mobile extraction;	Run the concurrent high-load acceptance test at Chapter 10, Table 10.17 on the offered configuration of each workstation class offered. Start the tasks of the class-specific set published at Annexure B, Table B.5 for the class under test within five minutes of one another and hold them together for a common loaded window of not less than sixty minutes or until every task completes, whichever is longer, recording throughout every measurement named in the	The output of each task of the class's set, with their hashes; the instrument record; the utilisation	The measurements at CHL-6, CHL-8, CHL-9, CHL-10, CHL-11, CHL-12 and CHL-14 are pass conditions and failure of any one, on any class offered, fails the case; the measurements at CHL-7, CHL-13 and CHL-15 are recorded quantities, and a class on which any of the three is not recorded is not demonstrated. Omission of a task under the class rule at Annexure B, Table B.5 neither shortens the loaded window nor relaxes any allowance; each task completes within the allowance published for its class; peak memory in use not above 85 per cent of installed memory; the page or swap device present, enabled and of the configured size throughout the window, and the bytes written to it read from the operating environment's own cumulative counters immediately before and immediately after the window and recorded, the quantity being recorded and not a pass condition, the memory pass condition being	120 min for each workstation class offered, being 360	Instrument record, the task logs of the class's set, utilisation and load series, output hashes,

Case	Scoring group	Items covered	Input	Procedure	Expected output	Pass threshold	Allowance	Evidence retained
		07, SW-12	the bounded telecom record set of not less than two million records; a case scenario for the Case and Evidence Management System; a recording power instrument connected at the socket	pass threshold, with processor and memory utilisation sampled at intervals of not more than ten seconds and the load taken at the socket	series; the load series, for each class under test	the peak-memory limit above; no task without recorded progress for more than 60 consecutive seconds; no task failed, aborted, restarted or logging an error; every screen returned and every entry committed within 2 seconds throughout, across not fewer than twenty sampled actions; the point at which the host-forensic working set exceeds the scratch recorded with the task's behaviour after it; no thermal shutdown, and the mean recorded all-core operating frequency, across the samples taken while every task of the class's set is running, not below the base frequency declared for the offered processor at bid, samples taken after a task has completed being recorded but not counted; and the arithmetic mean of the measured load over the window recorded as that class's declared sustained load. A score is recorded for each class run and the case score is the lowest of them, on the rule at Chapter 17, Section 17.6	min for the three classes HW-03, HW-04 and HW-05	timing record, retained separately for each class under test

PC-01 and PC-37 are distinct and neither substitutes for the other. PC-01 establishes that the offered field-grade machine reaches the published benchmark floor and completes a bounded concurrent run. PC-37 is the instrumented test of the specification itself, and produces the measured sustained load at which that class's power provision is afterwards proved under Chapter 18.

F.4 Bench imager and on-scene response kit

Table F.2: Cases PC-04 to PC-06: acquisition devices

Case	Scoring group	Items covered	Input	Procedure	Expected output	Pass threshold	Allowance	Evidence retained
PC-04	G1	HW-06	Reference solid-state and rotating source media, populated to a known answer	Acquire each reference medium with hashing enabled, producing both an open-container and a raw output; export the acquisition log	Two images per medium with hash manifests; acquisition logs; timing record	Sustained rate not below the published floor on each medium, measured over the whole acquisition; image hash matches the known answer; log complete and continuous	60 min	Images retained as hashes and manifests, acquisition logs, timing record
PC-05	G1	HW-07	A supplied device and target media; numbered tamper-evident seals; a custody slip form	Acquire the device on battery power through the portable write blocker to target media; verify the hash; seal the exhibit against numbered seals and complete the custody slip	Image with hash manifest; sealed exhibit; completed custody slip	Image hash matches the known answer, source hash unchanged, acquisition completed on battery, and seal numbers and both officers recorded on the slip	60 min	Hash manifest, custody slip, seal numbers, battery-state record
PC-06	G1	HW-07	The published deliverable list; a live handset registered and attached to a network; the manufacturer's published datasheet for each item carrying an ingress protection rating; the kit	Present every published deliverable. Place the live handset in each size of shielding bag supplied, close the bag and observe the attachment state. Read the ingress protection rating marked on each case and on each item that carries one and compare it with the manufacturer's published datasheet. Carry the packed kit over the route stated by the panel on the day, being loading into a vehicle, a road movement, unloading and hand carriage to the bench; then unpack, power and operate every item. Evidence the declared battery	Completeness record; shielding isolation log, per bag size; ingress rating record with the datasheet extracts; transit check	Every published deliverable present. Handset shown attached before the bag is closed and observed to lose attachment within two minutes of closure, in every size supplied, the observation logged. Ingress rating marked on the item, and stated on the datasheet, not below the rating required at Chapter 10 for that item, with seals, gaskets and closures intact. After the transit every item powers on and operates, and nil case, latch, hinge, seal, connector or cable is found broken and nothing is loose within a case. Battery endurance	30 min	Completeness record, isolation observation log per bag size, ingress rating record with datasheet extracts, transit check record

Case	Scoring group	Items covered	Input	Procedure	Expected output	Pass threshold	Allowance	Evidence retained
			packed for transport	endurance from the on-battery acquisition at PC-05	record	declared and evidenced		naming the route

F.5 Host and computer forensic suite

Table F.3: Cases PC-07 to PC-10: host and computer forensics at both grades

Case	Scoring group	Items covered	Input	Procedure	Expected output	Pass threshold	Allowance	Evidence retained
PC-07	G2	SW-01 field grade, HW-04	A supplied exhibit image with a seeded known answer; the published search set	Image and verify; run the published keyword and pattern search; carve deleted files	Verified image; search result set; carved file set	Image hash matches; recall against the seeded artefact set not below the published floor; every seeded item recovered or a logged failure record stating why	60 min	Result sets with hashes, tool logs, failure records
PC-08	G2	SW-01 field grade	A supplied image carrying seeded system, log, browser, messaging, document and mail artefacts	Reconstruct the timeline; recover artefacts across each class, stating the source artefact for each recovered record	Timeline export; artefact set by class with source stated	Each class produced, recall not below the published floor, and every record carrying its source class	60 min	Timeline export, artefact sets, tool logs
PC-09	G2	SW-01 field grade	A supplied exhibit and the published artefact list for the bounded pass	Run the bounded triage function: acquisition and verification, then the defined automated pass against the published artefact list, with a bounded manual review	Hashed, case-bound triage package; investigating-officer summary	Package hash recorded and bound to the case identifier; the summary states what was searched, what was found, what was not searched and why, and the escalation test result	45 min	Triage package hash, the summary, tool logs
PC-10	G2	SW-01 laboratory grade, HW-03	The reference large-exhibit set, comprising a multi-volume set and an extended file-system family	Reconstruct the volume set; mount and verify contents against the known answer; then run two processing sessions concurrently on one deployment	Reconstructed volume set; verification record; two concurrent session logs	Volume set reconstructed and contents verified; not fewer than two concurrent processing sessions demonstrated at the deploying unit, by any licensing mechanism	45 min	Verification record, both session logs, tool logs

F.6 Mobile forensic acquisition and analysis suite

Table F.4: Cases PC-11 to PC-14: mobile forensics

Case	Scoring group	Items covered	Input	Procedure	Expected output	Pass threshold	Allowance	Evidence retained
PC-11	G2	SW-03, HW-04	The Department's device set published by class, in accessible, consented and after-first-unlock states	Perform logical, file-system and physical acquisition across the set as the state of each device permits	Acquisitions with hash manifests; a per-device record	Each device acquired at the highest level its state permits, or a logged failure record stating the class, the state and the reason; a manifest for every acquisition	75 min	Manifests, per-device records, failure records, tool logs
PC-12	G2	SW-03	Three supplied devices	Run three device acquisitions concurrently on one deployment, by whatever licensing mechanism the bidder offers	Three concurrent acquisitions with manifests	Not fewer than three concurrent device acquisitions at the deploying unit, all three completing with manifests, at no additional charge during the term	75 min	Three manifests, concurrency observation record, licensing declaration

Case	Scoring group	Items covered	Input	Procedure	Expected output	Pass threshold	Allowance	Evidence retained
PC-13	G2	SW-03	A supplied encrypted backup and an acquisition carrying seeded application, messaging, browser, location and media artefacts	Handle the encrypted backup; decode artefacts across each class; categorise location records by source artefact	Decoded artefact sets; location records with source stated for each	Recall against the seeded set not below the published floor; every location record carrying its source class: device-derived, application-derived, media-metadata-derived or network-derived	45 min	Artefact sets, decode logs, failure records
PC-14	G2	SW-03	An acquisition from an earlier case; a Department machine carrying none of the bidder's software; the published cable, adapter and power kit list	Produce the court-ready export with its hash manifest; open and verify it on the Department machine; present the physical kit against the published list	Export package; verification record on the Department machine; kit completeness record	The export opens and verifies without the bidder's software, every manifest hash agreeing; every published kit deliverable present	45 min	Export package hashes, verification record, kit completeness record

F.7 Field telecom record analyser

Table F.5: Cases PC-15 and PC-16: telecom record analysis at a field unit

Case	Scoring group	Items covered	Input	Procedure	Expected output	Pass threshold	Allowance	Evidence retained
PC-15	G2	SW-07, HW-04	The published operator-format sample sets for a bounded case, carrying a seeded correlation	Ingest each sample set with its own schema; perform single-number and multi-number correlation	Ingest record; correlation output	Every published record ingested, or a logged rejection record stating the record, the format and the reason; the seeded correlation recovered in full	60 min	Ingest and rejection records, correlation output, tool logs
PC-16	G2	SW-07	The same case data; a cell-site reference set	Produce the timeline and the cell-site plot; export in an open format; export the operator session log; complete the case with no external interface enabled	Timeline; cell-site plot; open-format export; session log	Timeline and plot reproduce the known answer; the export is readable in an open format without the bidder's software; the session log is written to tamper-evident storage; no external interface enabled at any point	60 min	Timeline, plot, export file and hash, session log, interface observation record

F.8 The Case and Evidence Management System

Table F.6: Cases PC-17 to PC-19: the Case and Evidence Management System on one standalone instance

Case	Scoring group	Items covered	Input	Procedure	Expected output	Pass threshold	Allowance	Evidence retained
PC-17	G4	SW-12	A supplied case scenario with exhibits, movements and hash values	Register the case, the system issuing the identifier and refusing one that is typed; enter the exhibits; assign the triage class with its criterion code; record custody entries with Custodian, movement and hash at each transfer; link artefacts and the report to the exhibit	Populated register with case, exhibit, triage and custody entries	Every published column set present and populated; case identifier issued locally by the instance; a hash recorded at each transfer; a classification entry carrying no criterion code refused	60 min	Register export, screen record of the entries, hash values
PC-18	G4	SW-12	The same case; an operating identity and an administrati	Attempt to countersign a report under the identity that examined the case; attempt to edit and then to delete an audit-log entry under each identity; then record a correction	Refusal records; the superseding correctio	Countersignature refused under the examining identity; edit and delete refused under both identities; the correction recorded as a superseding entry preserving the original	45 min	Refusal records, log export before and after

Case	Scoring group	Items covered	Input	Procedure	Expected output	Pass threshold	Allowance	Evidence retained
			ve identity		n entry			the correction
PC-19	G4	SW-12	The same case data; the published monthly return format at Annexure E	Generate the monthly return in the published format; export the complete court file in open formats; then demonstrate the deployment as one standalone instance	Monthly return; court-file export; configuration record	The return is generated in the published format from the instance's own data; the export opens without the bidder's software; no server instance, consolidation, replication or synchronisation function is present or offered, and demonstrating one fails this case	45 min	Return, export file and hash, configuration record

F.9 Offline activation, offline operation, update import and perpetual operation

Table F.7: Cases PC-20, PC-21 and PC-38: operation without connectivity, and operation after the update period

Case	Scoring group	Items covered	Input	Procedure	Expected output	Pass threshold	Allowance	Evidence retained
PC-20	G3	SW-01, SW-03, SW-07, SW-12, HW-04, HW-05, HW-07	A supplied exhibit; a bench with no external interface enabled	Activate each field-grade item from first activation with no external interface enabled, and complete an examination of the supplied exhibit end to end in that state	Activation records; a completed examination with its outputs	Every item activates and operates offline for the whole case; no item demands periodic online re-validation; no external interface is enabled at any point	45 min	Activation records, interface observation record, examination outputs and hashes
PC-21	G3	SW-01, SW-03, SW-07, SW-12	A signature, definition, licence and patch package; a completed report and manifest; controlled removable media	Import the package into the offline environment by controlled removable media and confirm the version state changes; export the completed report and manifest outward by the same means, recording hash on write and verifying on read	Version state record before and after; the outward package; hash records	Import completes offline with the version state changed; the outward package carries report and manifest classes only; hash on write matches hash on read in both directions; no evidential artefact crosses outward	45 min	Version records, hash records, the outward package listing
PC-38	G3	SW-01, SW-03, SW-07, SW-12	The offered field-grade items with their delivered entitlement artefacts; the principal's undertakings for each; a supplied exhibit; a standalone bench with	Install and activate each item with no external interface enabled at any point. Inspect the entitlement artefact of each item against the conditions in the pass threshold. Advance the bench clock beyond the end of that entitlement's update period and, in that state, complete an examination of the supplied exhibit end to end, produce the report and produce the open-format export. Capture outbound	Activation records; entitlement inspection record; clock-advance record; the completed examination,	Every item installs, activates and operates with every external interface disconnected; no entitlement artefact carries an expiry date, time-limited key, lease term, periodic reactivation requirement, remote disable capability or dependency on an entitlement service hosted by any party; with the clock advanced beyond the update period every item completes the whole examination, report and export with no function withheld, no degradation of any specified function and no prompt for renewal, reactivation, order or payment; the capture shows no entitlement-related communication of any kind; and an undertaking naming this tender is produced for every item. An item that ceases to operate, loses a function or demands any act of any party fails this case, save	75 min	Activation records, entitlement inspection record, clock-advance record, examination outputs

Case	Scoring group	Items covered	Input	Procedure	Expected output	Pass threshold	Allowance	Evidence retained
			no external interface enabled and a clock the panel may set	traffic throughout. Produce the principal's undertaking for each item	report and export with their hashes; the traffic capture; the undertakings	where the panel determines, on the method published at Chapter 10, LC-7, that the refusal arose from a check on the integrity of the system clock and not from a term within LC-4, and the alternative method published there is completed within the allowance for this case. The panel records the determination, the diagnostic output relied on and the result of the alternative method, and that record is retained with the case		and hashes, traffic capture, the undertakings

F.10 Headquarters examination and analysis capabilities

Each case in this section is demonstrated on the Headquarters-capability bench on Department-supplied offline material, save for two. Two capabilities cannot be demonstrated without a network: lawful cloud and account acquisition at PC-26, and online and anonymised-network collection at PC-28. A separately administered and logged external path is provided at that bench for those two cases and for no other; no other case is offered an external path, and no field-grade bench holds one. For those two cases the panel records on the case record that the network path could not be made identical between sessions, and that the case was scored on the method followed and the artefacts produced and not on the speed or reachability of the network on the day. Virtual-asset tracing at PC-29 is demonstrated offline on supplied ledger extracts.

Table F.8: Cases PC-22 to PC-32: Headquarters capabilities

Case	Scoring group	Items covered	Input	Procedure	Expected output	Pass threshold	Allowance	Evidence retained
PC-22	G5	HW-03	The published benchmark; the reference large-exhibit set	Run the benchmark on the offered machine; then run the published processing chain on the large-exhibit set to completion	Benchmark result; processed output with hash	Benchmark score not below the published floor; the chain completes inside the published elapsed allowance and the output hash matches the known answer	45 min	Benchmark result, processing log, output hash, timing record
PC-23	G5	SW-02	A supplied machine of the alternative desktop platform, with non-removable storage and a supplied recovery key	Acquire the storage in a target-disk or recovery workflow; then decrypt the full-volume encryption using the supplied recovery key and verify the contents	Image with hash manifest; decrypted volume; verification record	Image hash matches the known answer and the source hash is unchanged; the decrypted volume's contents verify against the known answer	45 min	Manifest, hash sheets, verification record, tool log
PC-24	G5	SW-04	A supplied locked device; an authorisation instrument withheld until the second attempt	Attempt an operation with no authorisation reference recorded; then record the authorisation and repeat	Refusal record; per-attempt audit record for the permitted operation	First attempt refused and the refusal logged; the second proceeds and the record carries the authorisation reference, the authority, the date, the case and exhibit identifiers and the operator identity; the declared data path lies within India	30 min	Refusal record, audit record extract, data-path declaration
PC-25	G5	SW-04	The Department's device set in before-first-unlock and after-first-unlock states	Run access workflows across the set; interrupt one job and resume it; run two jobs in parallel	Per-device result records; resumption record; parallel run records	A per-device result or a logged failure record stating the class, the state and the reason; the interrupted job resumes and completes; two jobs run in parallel	45 min	Per-device records, resumption and parallel run logs, failure records
PC-26	G5	SW-05	A Department-created test account with seeded content and a lawful-authority instrument	Acquire the account by token under the approval workflow, binding the acquisition to the case identifier; decode the artefacts in the same	Acquisition with manifest; approval record; decoded	Acquisition bound to the case identifier and the approval recorded; seeded content recovered in full; artefacts searchable in the common case, search and export model; storage and processing declared	45 min	Manifest, approval record, decoded artefact set, data-path

Case	Scoring group	Items covered	Input	Procedure	Expected output	Pass threshold	Allowance	Evidence retained
				analysis environment as the mobile suite	artefacts in the common environment	within India		declaration, and the panel's record under Section F.10 on the network path and the basis of scoring
PC-27	G5	SW-06	Multi-operator record sets at the published reference-dataset scale, carrying a seeded cross-case and cross-operator correlation, and a tower dump	Ingest each operator set with schema mapping and handle the tower dump; correlate across cases and operators over subscriber, equipment and cell identifiers; run link, temporal and geospatial analysis; then attempt a query classified as sensitive without approval	Ingest record; correlation and analysis outputs; approval-gated refusal; audit log extract	Every record ingested or a logged rejection with the reason, at the published scale and within the published elapsed allowance; the seeded correlation recovered in full; the sensitive query blocked pending approval and logged; the log entry not editable	60 min	Ingest and rejection records, analysis outputs, refusal record, audit log extract
PC-28	G5	SW-08	Two Department-operated collection targets, one presented over the open internet and one as a service on an anonymised overlay network, each built for the purpose, each carrying published seeded content, and each restored to the same recorded state before every session, on an isolated bench	Collect from each target under managed non-attributable egress; capture evidentially	Captures with timestamps, hashes and session logs; egress path record	Each capture carries a timestamp, a hash and a session log; the egress path is the declared managed path; the bench holds no path to any evidence-processing configuration	45 min	Captures as hashes, session logs, egress path record, and the panel's record under Section F.10 on the network path and the basis of scoring
PC-29	G5	SW-09	A Department-supplied offline extract of more than one distributed ledger, carrying a seeded transaction path with a mixing step and a published answer; Department-supplied offline copies of the service-provider and sanctions reference sets. No external path is provided for this case	Trace the seeded path in the supplied extract; cluster addresses and attribute entities; screen against the supplied service-provider and sanctions sets; export the graph	Traced path; clustering and attribution output; screening result; exported graph	Seeded path recovered end to end including the cross-ledger and mixing steps; attribution dataset scale and refresh cadence declared; risk-scoring methodology published; the graph exported and the query and export log immutable; the case completed with no external interface enabled at any point	45 min	Traced path output, graph export, screening result, query and export log, interface observation record
PC-30	G5	SW-10	The published sample set of recorder-native and closed video containers, and a degraded clip	Decode and repair each sample; perform the enumerated enhancement and restoration operations on the degraded clip; extract frames and a clip; then reproduce the result from the original using the logged chain	Decoded samples; enhanced output; extracted frames and clip; operation log; reproduction record	Every sample decoded, or a logged failure record stating what could not be decoded and why; the logged operation chain reproduces the same output from the original	45 min	Decoded outputs and hashes, operation log, reproduction record, failure records
PC-31	G5	SW-11	A known-answer set of authentic, manipulated and synthetic image, video and audio material	Analyse each item for tamper and manipulation, source-device attribution, container and compression-history consistency, and synthetic-media indications; record	Per-item determination with calibrated confidence and contributing factors;	Determinations agree with the known answer at the operating point the bidder declared at bid and within the tolerance declared there; each carries calibrated confidence with contributing factors stated; the published validation methodology states false-positive and false-	45 min	Determinations, exported report and log, reviewer sign-off

Case	Scoring group	Items covered	Input	Procedure	Expected output	Pass threshold	Allowance	Evidence retained
				reviewer notes and sign-off	exported report and log	negative behaviour; reviewer identity, notes and sign-off are carried into the export. A result outside the declared tolerance fails this case		
PC-32	G5	SW-13	An acquired container with a known credential, and an authorisation instrument withheld until the second attempt	Attempt recovery with no authorisation recorded; then record the authorisation and repeat against the container	Refusal record; recovery result; per-job audit record	First attempt refused and logged; the second recovers the known credential; the per-job audit record is complete and no data is transmitted externally during the job	30 min	Refusal record, recovery result, per-job audit record, interface observation record

F.11 Headquarters compute, storage and backup

These two cases are demonstrated on a representative configuration of the offered build and are evaluated rather than mandatory, because a clustered platform does not move as ordinary freight. The contractual capacity, rebuild, restore-time and recovery figures are verified at inspection and acceptance on the delivered platform under Chapter 18 and not here, and this section relieves the System Integrator of none of them.

Table F.9: Cases PC-33 and PC-34: representative platform behaviour

Case	Scoring group	Items covered	Input	Procedure	Expected output	Pass threshold	Allowance	Evidence retained
PC-33	G5	HW-01	A representative configuration of the offered build, populated with a supplied dataset	Remove devices to the stated redundancy tolerance while the platform is in use; evidence encryption at rest; write a log entry to immutable storage and attempt to alter and then delete it within the retention period	Continuity record through the removal; encryption evidence; refusal records	Service continues and no data is lost through the removal to the stated tolerance; encryption at rest evidenced; both alteration and deletion refused and logged	45 min	Continuity record, encryption evidence, refusal records, configuration record
PC-34	G5	HW-02	The reference restore set, being an archived image and a register export with their manifests	Restore both artefacts to an independent machine and verify each against its source manifest	Restored artefacts; hash comparison record; timing record	Every hash agrees with the source manifest and the restore completes within the published elapsed allowance for the representative configuration	45 min	Hash comparison record, restore log, timing record

F.12 Output, export, reproducibility and language

Table F.10: Cases PC-35 and PC-36: what the Department is left holding

Case	Scoring group	Items covered	Input	Procedure	Expected output	Pass threshold	Allowance	Evidence retained
PC-35	G6	SW-01, SW-03, SW-07, SW-12	Outputs produced in earlier cases; a Department machine carrying none of the bidder's software	Export each output and the complete case file in open formats with hashes and manifests; open and verify every export on the Department machine	Export set; verification record on the Department machine	Every export opens and verifies without the bidder's software; every manifest hash agrees; the case file carries custody entries, hash values and artefact linkage for court production	45 min	Export set with hashes, verification record
PC-36	G6	SW-01, SW-03, SW-10	A supplied dataset carrying content in Hindi and the Devanagari script and a right-to-left sample; a logged operation chain from an earlier	Re-run the logged operation chain on the original and compare the output; then index, search and export the Hindi, Devanagari and right-to-left content	Reproduction record with hash comparison; search results; exports	The re-run output's hash matches the first, establishing reproducibility from the original; Hindi and Devanagari content indexed, searched and exported correctly against the known answer; the right-to-left sample rendered and exported without loss	45 min	Reproduction record, search results, exports and

Case	Scoring group	Items covered	Input	Procedure	Expected output	Pass threshold	Allowance	Evidence retained
			case					hashes

F.13 Reconciliation of the library

Table F.11: Case count and scheduled time by class

Class	Cases	Case references	Scheduled minutes
Field workstation and acquisition and processing node	3	PC-01 to PC-03	180
Concurrent high-load acceptance test, run on each workstation class offered	1	PC-37	360
Bench imager and on-scene kit	3	PC-04 to PC-06	150
Field-grade and laboratory-grade host suite	4	PC-07 to PC-10	210
Mobile acquisition and analysis suite	4	PC-11 to PC-14	240
Field telecom record analyser	2	PC-15 and PC-16	120
The Case and Evidence Management System	3	PC-17 to PC-19	150
Offline activation, offline operation and update import	2	PC-20 and PC-21	90
Perpetual operation of every licensed item after its update period	1	PC-38	75
Headquarters examination and analysis capabilities	11	PC-22 to PC-32	480
Headquarters compute, storage and backup, representative configuration	2	PC-33 and PC-34	90
Output, export, reproducibility and language handling	2	PC-35 and PC-36	90
Total	38	PC-01 to PC-38	2,235, being 37 hours and 15 minutes

No case exceeds 120 minutes against any one machine class under test. PC-37 is run on each workstation class offered and carries an allowance of 120 minutes for each class, because it requires a common loaded window of not less than sixty minutes on the class under test and that window cannot be shared between classes; the allowance is therefore 360 minutes for the three classes HW-03, HW-04 and HW-05. Where a bidder brings one machine of each class the classes may be run in parallel on separate benches, the panel observing each, but parallel running neither reduces the allowance nor shortens the loaded window required of any class. Scheduled case time aggregates to thirty-seven hours and fifteen minutes inside a testing window of not more than five consecutive working days, preceded by one set-up day outside the window and not scored.

Table F.12: Scoring group reconciliation, against Chapter 17, Table 17.6

Group	Weight	Cases	Case references
G1 Evidential integrity	25	4	PC-03, PC-04, PC-05, PC-06
G2 Field-grade examination	25	10	PC-07 to PC-16
G3 Field platform, offline operation and continuity	15	6	PC-01, PC-02, PC-20, PC-21, PC-37, PC-38
G4 Unit-local case and evidence management	10	3	PC-17, PC-18, PC-19
G5 Headquarters capability	20	13	PC-22 to PC-34
G6 Output, export and language	5	2	PC-35 and PC-36
Total	100	38	PC-01 to PC-38

Every one of the thirty-eight cases appears in exactly one group of Table F.12 and in exactly one class of Table F.11. A group's score is computed by the method at Chapter 17, Section 17.6, which normalises each group against the number of cases it holds, so a group's weight does not vary with its case count.

Table F.13: Item coverage: every gated identifier and the cases that demonstrate it

Identifier	Item	Cases	Status
HW-01	Headquarters Forensic Compute and Storage Platform	PC-33	Evaluated
HW-02	Headquarters Backup and Archive Tier	PC-34	Evaluated
HW-03	Forensic Analysis Workstation, laboratory grade	PC-10, PC-22, PC-37	Mandatory
HW-04	Forensic Analysis Workstation, field grade	PC-01, PC-02, PC-03, PC-07, PC-11, PC-15, PC-20, PC-37	Mandatory

Identifier	Item	Cases	Status
HW-05	Acquisition and Processing Node, field grade	PC-02, PC-03, PC-20, PC-37	Mandatory
HW-06	Hardware Forensic Imager	PC-04	Mandatory
HW-07	On-scene Response Kit	PC-05, PC-06, PC-20	Mandatory
SW-01	Computer Forensic Analysis Suite	PC-07, PC-08, PC-09, PC-10, PC-20, PC-21, PC-35, PC-36, PC-37, PC-38	Mandatory
SW-02	Alternative-Platform Acquisition and Volume-Decryption Utility	PC-23	Mandatory
SW-03	Mobile Forensic Acquisition and Analysis Suite	PC-11, PC-12, PC-13, PC-14, PC-20, PC-21, PC-35, PC-36, PC-37, PC-38	Mandatory
SW-04	Authorisation-Gated Advanced Access Capability	PC-24, PC-25	Mandatory
SW-05	Lawful Cloud and Account Acquisition Module	PC-26	Mandatory
SW-06	Central Telecom Analytics Platform	PC-27	Mandatory
SW-07	Field Telecom Record Analyser	PC-15, PC-16, PC-20, PC-21, PC-35, PC-37, PC-38	Mandatory
SW-08	Online and Anonymised-Network Investigation Platform	PC-28	Mandatory
SW-09	Virtual-Asset and Distributed-Ledger Analytics	PC-29	Mandatory
SW-10	Forensic Media Processing and Playback	PC-30, PC-36	Mandatory
SW-11	Media Authenticity and Synthetic-Media Analysis	PC-31	Mandatory
SW-12	Case and Evidence Management System	PC-17, PC-18, PC-19, PC-20, PC-21, PC-35, PC-37, PC-38	Mandatory
SW-13	Authorisation-Gated Credential Recovery	PC-32	Mandatory

Twenty identifiers are gated and each carries at least one case; no case refers to an identifier outside Table F.13. The item classes not demonstrated are verified at inspection, at site acceptance, at technical evaluation or in operation as Chapter 17 states: Headquarters network zoning and switching; Headquarters structured cabling, racks and passive; field-unit local cabling and switching; the Training Laboratory of thirty positions; Headquarters electrical, environmental and laboratory furnishing; evidence storage cabinets; the unit-level and per-machine uninterruptible power provisions; the five service heads; the Headquarters specialist cadre; and the technology-refresh and extended-warranty reserve. The per-machine power provision is proved at installation against the sustained load measured at PC-37 for that machine class.

F.14 What the panel records, and what a failure means

- For each case the panel records the case reference, the scoring group, start and finish times, the personnel operating, the material issued and its restored state, the outputs produced and their hashes, any re-attempt, and the score on the published scale. Each member signs an individual score sheet at the close of the case to which it relates. Where a case is recorded as not demonstrated on expiry of its allowance, the record states the point reached; that is a failure of the case and carries the same consequence as a failure against the pass threshold.
- Failure of any case belonging to an item marked mandatory is fatal to the bid. That bid does not proceed to financial evaluation, its financial envelope is returned unopened, and the rejection cites the case reference and either the pass threshold not met or the fact that the case was not demonstrated within its allowance. Failure of an evaluated case reduces the weighted aggregate and does nothing else.
- There is no re-test, no second window and no post-session submission, because a document produced after a session is not evidence of a capability demonstrated in it. Substitution of test hardware is permitted where non-availability is evidenced in writing and the panel approves in writing, the substitute being of the offered specification or higher and running the offered build; substitution of an offered product once testing has commenced is not permitted and fails that item.
- The retained evidence for every case is held with the procurement dossier for the period stated in the governance artefact schedule, so that a determination made in a closed session can be reviewed afterwards against the material on which it was made.

Annexure G: Inspection and Test Record Templates

G.1 Standing, the division of labour and the rules that govern every template

This annexure fixes the form of every record produced by the inspection, testing and acceptance process at Chapter 18. It creates no test, sets no threshold, varies no method and confers no discretion.

Table G.1: The three published instruments and what each fixes

Instrument	What it fixes	What it does not do
Chapter 18	The stage at which a test is applied, the pass criterion of each stage test, the classification and closure of non-conformances, and the departmental clocks	Does not carry the form of the record
Annexure B	The method of each test, the Department-supplied material, the known answer published in advance and the criterion on which it passes	Does not carry the form of the record
Annexure G	The form of the record: fields completed, values transcribed, evidence attached and signatures applied	Does not create a test, vary a method or alter a threshold

- Numeric floors are transcribed onto the record and are not printed in it. No template restates a capacity, throughput, runtime, benchmark, tolerance or other numeric floor. Each floor is transcribed at the time of the test, from the published requirement at Chapter 10, by the officer verifying the test, who initials the transcription; the record then carries the figure required and the figure observed side by side.
- Four rules of completion apply to every template. A record is complete only when every field is filled; a blank cell is not a pass, and nil is entered as nil. A record is made at the time of the test and not reconstructed afterwards, and the time of each measurement is entered against it. A correction is made by a superseding entry, dated and initialled, never by erasure, overwriting or replacement of a page. A record is retained whether the test passed or failed: the failed record is never destroyed, amended or replaced, and where a test is re-run the re-test record is filed with it and both are listed on the certificate.
- Coverage. Every test at Chapter 18, being A-1 to A-9, B-1 to B-7, C-1 to C-20, D-1 to D-10 and H-1 to H-7, and every acceptance test at Annexure B performed within Stages A to F, is recorded on the template named for its stage at Table G.2, and additionally as the expected-versus-actual matrix at Annexure B, Table B.1. No test performed within Stages A to F exists without a template. The acceptance tests performed in the operations period, being AT-44 to AT-48, are recorded on the matrix at Annexure B, Table B.1 alone.
- Every record carries the common header block at Table G.4 and closes with the sign-off block at Chapter 18, Table 18.9, which is not restated here; that block is countersigned by the Unit In-charge at Stages B, C and D and by the Wave Delivery and Acceptance Committee at Stages D, E and F. The header carries the record reference, unit or batch, tier, item identifiers, serial numbers, dataset version and persons present for each party, so no field list below repeats them. Every record carries a result of pass or fail against each test it covers.

G.2 The template register

Table G.2: Templates G-A to G-G: what each records, the stage it belongs to and its mandatory fields

Template	What it records	Stage	Mandatory fields
G-A Pre-dispatch inspection record	A batch inspected at the staging facility; issued as that batch'	Stage A, per batch	G-A.1 notice of readiness: dates of notice, of completeness assessment, of commencement. G-A.2 batch composition: item identifiers and quantities; units consigned to; each unit excluded on a departmental not-ready certification, with that certification's reference, its items held and re-offered with its re-sequenced lot. G-A.3 authenticity: each serial against the principal's despatch record or written confirmation. G-A.4 newness and prohibited goods: manufacture date per item; packaging and factory-seal condition; the signed supplier declaration. G-A.5 warranty: term per serial; commencement basis. G-A.6 accessories: check against the published deliverable list, each shortfall named. G-A.7 licence and entitlement integrity, per licensed item: entitlement period; the acceptance date it runs from; concurrency entitlement; offline activation method; the principal's continuity-undertaking reference; reconciliation of each entitlement against the licensing disclosure submitted at bid under Chapter 10, SB-4, with any divergence named; the artefact inspected for any expiry date, time-limited key, lease term, reactivation requirement, remote disable capability, kill switch or hosted-entitlement dependency. G-A.8 version and build: build and firmware identifiers; the version demonstrated at the pre-award proof of concept; each image hash; any change record accepted by the Technical Committee. G-A.9 baseline: hardening checklist line by line; baseline image hash before replication. G-A.10

Template	What it records	Stage	Mandatory fields
	s pre-dispatch inspection certificate		functional sample: class sampled; Annexure B case applied; expected and observed value per parameter. G-A.11 non-conformances: reference, class, date raised, date due. G-A.12 certificate reference and date. Supplement: the serial and entitlement schedule at Table G.3
G-B Delivery inspection record	A consignment inspected at the unit on arrival before the officer holding the Custodian duty; the gate for the delivery milestone	Stage B, per unit	G-B.1 consignment identity: reference; cartons received against cartons consigned. G-B.2 date and time of arrival; date the inspection was completed. G-B.3 serialised items at one hundred per cent: every serial read from the item and matched to the Template G-A schedule, identifier by identifier. G-B.4 consumable and passive populations: the lot inspection record at Table G.3 per lot. G-B.5 transit condition: physical condition per serialised item; power-on check result; configuration reported. G-B.6 documentation set: documents received against the published list, each named. G-B.7 custody: holding location pending installation; officer accepting custody; access-register entry. G-B.8 software certificate and bill of materials, per software item: the supplier's certificate that no Critical or High defect is known; known Medium and Low defects with the status of each; the bill of materials with disclosed vulnerabilities and dated remediation commitments. G-B.9 non-conformances
G-C Installation and configuration verification record	That the unit has been built as designed and that its controls operate; a precondition of site acceptance	Stage C, per unit	G-C.1 zone separation (sub-record). G-C.2 Controlled Internet Zone integrity: whether the endpoint is a separate machine or a separately connected endpoint; storage-inspection result. G-C.3 Controlled Internet Zone availability and reachability (sub-record). G-C.4 removable-media crossing: media identifier; direction of each crossing; hash on write and on read; sanitisation performed; register entry reference. G-C.5 hardening: each checklist line per machine; every deviation in the deviation register with its reason. G-C.6 write blocking (sub-record, one row per acquisition path of every acquisition device). G-C.7 acquisition and imager throughput, hashing enabled (sub-record). G-C.8 storage capacity, configuration floors and benchmark (sub-record, every delivered machine of every class). G-C.9 immutable logging and G-C.10 time synchronisation (sub-record). G-C.11 unit-level power-backup runtime (sub-record). G-C.12 authenticated operator identity: unattributed session attempted per machine; the response; the log entry written by the refusal. G-C.13 physical evidence holding: cabinet count and positions; anchoring; locking exercised; seal numbers per sealing point; access register opened. G-C.14 absence of a perimeter device: the inspection result for a firewall, routing device or tunnelling device. G-C.15 electrical and environmental provision: each measured value against the value transcribed for the tier from Chapter 10, Section 10.5.1 and IN-05: dedicated supply, circuit count, earth resistance, illumination, and temperature and humidity over the observation period. G-C.16 processor performance: the benchmark named and versioned by the Department; the score on the delivered machine in its delivered configuration. G-C.17 concurrent high-load acceptance test (sub-record, every delivered machine of every class). G-C.18 per-machine power provision, discharge and mains interruption (sub-record, every protected machine). G-C.19 as-built record: drawings, labelling schedule, configuration exports, countersigned. G-C.20 cabling link test (sub-record, one row per outlet at a field unit and per link at Headquarters). G-C.21 non-conformances
G-D Site acceptance record	The functional proof that the unit can do casework, taken against Annexure B	Stage D, per unit	G-D.1 end-to-end evidential run: acceptance exhibit reference; each act with its time and author, being receipt, sealing, registration, classification, acquisition under write blocking, verification, examination, report, archival write; the hash at every stage; the sustained archival write rate computed over the whole write from the log timestamps and the written byte count, against the floor transcribed for that class and initialled by the verifying officer; the archival media reference recorded against the exhibit. G-D.2 concurrency at a District: the unattended run on the node and the interactive session on the workstation, with the elapsed time of each. G-D.3 concurrent sessions: counts achieved on the host suite and on the mobile suite; licence entitlement inspection. G-D.4 offline operation: each field-grade item activated with the Controlled Internet Zone endpoint disconnected; the update imported by the crossing procedure; entitlement artefact inspected; outbound-traffic capture. G-D.5 bounded triage examination: the package with its hash; the summary stating what was searched, what was found, what was not searched, and the result of the escalation test at Annexure C. G-D.6 telecom record analysis: sample sets ingested; correlations, timeline and cell-site plots; the open-format export. G-D.7 the Case and Evidence Management System: each act performed; the monthly return generated; the court-file export opened on an independent machine. G-D.8 absence of any consolidation function: configuration inspection and interface listing. G-D.9 documentation and handover: documents handed over, each named, with the accepting officer. G-D.10 training gate: each in-person-trained examiner named, being one at a District and two at a Commissionerate; the date each completed the Core Examiner Course; the scheduled

Template	What it records	Stage	Mandatory fields
	on Department-supplied material by the unit's own trained officers		commissioning date. G-D.11 open minor non-conformances carried: reference and closure date of each. G-D.12 certificate reference, date of issue, date testing was completed. G-D.13 on-scene response kit: completeness against the published deliverable list, each shortfall named; the on-battery acquisition with its computed sustained rate against the floor transcribed and initialled, and the hashes; the packed weight; the shielding-bag isolation record, the transit check record and the ingress rating record at Table G.3. G-D.14 every other acceptance test at Annexure B performed at the unit at site acceptance, being AT-05 at every field unit and AT-29, AT-31, AT-32, AT-33, AT-35, AT-36 and AT-37 at Headquarters: the test reference, the material and dataset version applied, and the result against the criterion published for it
G-E Non-conformance and re-test record	One record per non-conformance, at whatever stage found, travelling with the unit or batch until closed	Every stage	Reference in the programme sequence; stage found and the test that failed; description, stated as an observation and not a conclusion; classification major or minor, and its date; the classifying body, being the Wave Delivery and Acceptance Committee, which alone classifies; date raised, closure clock and date due, being 21 working days for a major and 7 for a minor non-conformance; effect on acceptance and payment; rectification action, by whom, on what date; re-test reference and date; re-test scope, being the failed test re-run in full; re-test result; the failure count of this test at this unit, being first, second or third; Technical Committee reference where it has failed twice at the same unit; the systemic-trigger check, being whether the test has failed at more than 10 per cent of the units in the wave, with the root-cause report reference; where the finding is of prohibited goods, the entry that the item is replaced and re-inspected from Stage A and is not re-tested; date closed; the location at which the failed record is retained
G-F Wave acceptance and final commissioning reconciliation record	Reconciliation of a wave, and of the completed estate at final commissioning	Stages E and F	The wave reference at Annexure A, or the entry "all seventy-six units" for final commissioning; every unit serial in the wave; site acceptance certificate reference and date against each; every unit deferred on a departmental not-ready certification, with the wave or catch-up slot it is re-sequenced into; every major non-conformance raised in the wave and its closure reference; each open minor item, the certificate carrying it and its closure date; the as-built set by unit; the training gate by unit; any test the Committee directed to be repeated, and the result; at final commissioning, the additional conditions, being the initial training programme complete on the records made under acceptance test AT-45, the spares holding and consumable set delivered at the published initial quantities, every cadre post filled with background verification complete, and the documentation register reconciled to every deliverable; certificate reference and date; and, for final commissioning only, the approval of the Apex Procurement Committee
G-G Headquarters additional verification and training-laboratory acceptance record	The verifications additional to Stages C and D at Headquarters, and the acceptance of the training labora	Stages C and D at Headquarters; training-laboratory acceptance not later than month 4	G-G.1 five zones and the management domain: port map, policy-set export and administrative-role listing per zone; the administrative login attempted without the second factor, and the response. G-G.2 authorisation gate: each authorisation-gated item operated without a recorded authorisation and then with one; the per-attempt audit entry; the separate administration and audit trail of the authorisation register. G-G.3 non-attributable egress segment: the egress path demonstrated; the interface listing on every evidence-processing machine; any path found. G-G.4 referral register configuration: case registration attempted and recorded as unavailable; the referral entry opened against originating case and exhibit identifiers. G-G.5 redundancy and rebuild: two devices removed concurrently; the load carried throughout; whether service continued without data loss; the rebuild elapsed time from the moment of removal against the contracted figure. G-G.6 restore and recovery: the artefact restored; hash comparison against the source manifest; the witnessed failover; measured elapsed times against the recovery-point and recovery-time figures. G-G.7 training laboratory: all thirty learner endpoints and the instructor endpoint operated simultaneously on a theory, demonstration and assessment module; all thirty learner endpoints then operated simultaneously on the training instance of one hands-on class, and the exercise repeated on a second hands-on class, with the entitlement record inspected for each class and the count of concurrent entitlements entered against thirty; the port map evidencing no path from the training network to any evidential zone and the remote-delivery endpoint separated from the learner segments; the training device-set inventory by class, its count entered against thirty, with the finding that it holds no evidential data; the livestream originated from the laboratory and received at a field unit over that unit's own Controlled Internet Zone endpoint, or at a representative endpoint where the Department so directs, with vision, sound and the instructor's screen each observed at the receiving end, and the interface listing and outbound-traffic capture showing no path from the originating endpoint to any learner segment or to any evidential zone. G-G.8

Template	What it records	Stage	Mandatory fields
	tory ahead of the balance of the Head quarters build		certificate: the training-laboratory acceptance certificate reference and date, issued on the records of test H-7 and acceptance tests AT-41 and AT-53; it releases no payment tranche. G-G.9 non-conformances

G.3 The sub-records and supplements

Table G.3: Sub-records and supplements: what each serves and its mandatory fields

Sub-record or supplement	Serves	Mandatory fields
Serial and entitlement schedule	G-A.3, G-A.5, G-A.7	Serial read from the item; item identifier; unit consigned to; manufacture date; authenticity record or written-confirmation reference; warranty term and commencement basis; per licensed item, entitlement period, the acceptance date it runs from, concurrency entitlement, offline activation method and continuity-undertaking reference; initials of the officer who read the serial
Consumable and passive lot inspection record	G-B.4	Lot identity by item class; the quantity published for the lot, transcribed and initialled; quantity delivered, counted; the sample drawn from the lot, stating its size and the basis on which that size was fixed; each sampled item inspected against the published deliverable list and specification; non-conformities observed and the nature of each; lot accepted or rejected, a lot being accepted only where every sampled item conforms; shortfall against the published quantity, named item by item; where the lot is rejected, the replacement date and the reference of the re-inspection
Write-blocking verification, one row per acquisition path	G-C.6	Acquisition path by the physical interface exercised; source medium by its Annexure B dataset reference; hash algorithm; source hash before, with time of reading; the write operation attempted; the response observed; source hash after, with time of reading; whether the hashes are identical; refusal evidence retained; result per path, initialled by both parties; count of paths tested, passed and failed
Acquisition and imager throughput, hashing enabled	G-C.7	Reference workload applied, being the solid-state or rotating reference source media at Annexure B; hashing enabled, with the evidence from the acquisition log; whether the acquisition was performed on battery throughout, where the item under test is the on-scene response kit; start and end timestamps from the acquisition log; elapsed time; acquired byte count; sustained rate computed over the whole acquisition; the floor transcribed and initialled; result against the floor; acquisition hash obtained; published source hash; hash agreement
Configuration floors, storage capacity after redundancy and bench	G-C.8, G-C.16	Physical-core count and base frequency, main memory capacity and its error-correcting state, dedicated graphics memory and system volume, each read from the delivered machine's configuration report and entered against the floor transcribed for that class from Chapter 10, Table 10.16 and initialled by the verifying officer; the benchmark named and versioned by the Department and the score obtained on the delivered machine in its delivered configuration, entered against the benchmark floor transcribed for that class and initialled; reconciliation of the node's acquisition target store against the workstation's case store, establishing that no capacity is counted against both; redundancy configuration as delivered, described functionally; raw capacity reported by the delivered machine; usable capacity after redundancy; usable and raw floors transcribed and initialled; result against each floor separately; solid-state scratch capacity against its transcribed floor; sustained scratch read and write rates measured over the whole transfer against their transcribed floors, with the instrument and transfer named; for every item carrying a published concurrent device-loss tolerance, devices removed concurrently, whether service continued, rebuild completion time; capacity report, configuration export and witnessed device-removal record

Sub-record or supplement	Serves	Mandatory fields
mark		
Zone-separation verification	G-C.1	Every machine in the Evidence Processing Zone; cable trace and port map with each termination identified; every enabled interface per machine, wired and wireless; wireless interfaces present or absent and, where present, the state found and the state left; shared switch port groups, shared storage and shared accounts, each present or absent with the evidence of the finding; duration of the traffic capture, the point taken, and the result; the finding, being nil path outside the zone or the path found described in full
Immutable logging and time synchronisation	G-C.9, G-C.10	The administrative identity used; deletion attempted, being entry targeted and operation, and the response; alteration attempted and the response; whether both attempts were themselves logged, with the resulting entries quoted by reference; retention configured against the transcribed period; clock source configured and the synchronisation protocol; offset measured against the national reference, with time of measurement; tolerance transcribed and initialled; result against logging and against synchronisation separately
Controlled Internet Zone availability and reachability	G-C.3	Whether the departmental service is present and working, with the observation the answer rests on; the published support-desk channel exercised and the result; each national platform identified at Chapter 2, reached through its existing interface, with date, time and result against each; whether an update package can be received into the zone; whether the monthly certified return can be submitted from it; any evidential artefact found on the endpoint
Power-backup runtime, unit-level provision	G-C.11	Every item comprising the connected load, by identifier; connected load measured with all listed equipment operating; time mains interrupted; time of orderly shutdown or completion; runtime achieved; runtime floor transcribed and initialled; the surge protection rating printed on the manufacturer's published datasheet for the delivered provision, with the datasheet reference and date, entered against the rating required at Chapter 10, transcribed and initialled; the audible and visual alarm at a field unit, or the administrator notification and signalled shutdown at Headquarters. Where the provision carries the bench forensic imager, being at a Commissionerate under Chapter 10, Table 10.30, the record additionally carries the non-evidential test acquisition by its material reference, whether it completed or closed cleanly to a recorded stop, whether the acquisition log is intact, and the acquisition hash before and after with whether they agree. At a District and at Headquarters those four entries are marked not applicable and the record instead carries the loads Table 10.30 assigns to IN-07 at that unit and their continued operation through the interruption
Concurrent high-load acceptance test, one record per delivered machine	G-C.17	Class under test, being laboratory grade, field grade or acquisition and processing node; reference exhibit, mobile extraction, telecom record set and case scenario, each by its Annexure B reference; scratch capacity and the acquired volume of the reference exhibit; each task of the class-specific set published at Annexure B, Table B.5 for the class under test, with the build identifier of each, and any task omitted under that rule named as not run for that class, the omission shortening no window and relaxing no allowance; start of the loaded window and the interval within which every task of that set was started; duration of the loaded window against the transcribed floor; elapsed time per task against the allowance transcribed for the class and initialled; processor utilisation: sampling interval, arithmetic mean and ninety-fifth percentile over the window; memory utilisation: mean and peak as a percentage of installed memory; bytes written to any page or swap file: counter values immediately before and after the window and the difference; the longest interval in which any task made no recorded progress, and the task concerned; any task that failed, aborted, was terminated, restarted or recorded an error, named; interactive response in the Case and Evidence Management System: actions sampled against the number transcribed and initialled, and the longest response against the transcribed tolerance; scratch residency: the point at which the host-forensic working set exceeded the solid-state scratch and that task's elapsed-time behaviour thereafter; thermal behaviour: whether any thermal shutdown occurred, and the mean recorded all-core operating frequency across the samples taken while every task of the class's set is running, against the base frequency declared for the offered processor at bid, samples taken after a task has completed being recorded but not counted; electrical load at the socket: the instrument used, the series retained and the arithmetic mean over the window, entered as the machine's declared sustained load; planning figure for the class transcribed and initialled; the excess over it as a percentage of it; the re-sizing entry: whether the excess is more than 20 per cent and, where it is, the re-sizing directed for that machine's power provision, the date of the direction and the reference of the report made under the re-sizing triggers at Chapter 3, Table 3.6; result against each measurement separately
Cabling link test, one row per outlet or link	G-C.20	Outlet or link identifier, from the labelling schedule; the certified link tester by make, model and calibration reference and date; the test performed and its result, pass or fail; the test report reference; date, time and the officer performing, with the witnessing officer; count of outlets or links tested, passed and failed, against the published count for the unit, a link not tested being recorded as not tested and never as passed
Shielding bag isolation record, one	G-D.13	Bag size and bag identifier; the handset used, by class; network attachment observed before the bag is closed, with the time of the observation; time the bag was closed; attachment state observed after closure, with the time; whether attachment was lost and within what period; observing officer for each party; result per bag size, a bag in which attachment survives being recorded as failed and the bag replaced

Sub-record or supplement	Serves	Mandatory fields
row per bag size supplied		
Transit check record	G-D.13	The packed kit by its deliverable list reference; packed weight; the route stated on the record, being the loading point, the road movement, the unloading point and the hand carriage to the bench; times of departure and of arrival; the officers present throughout for each party; on unpacking, every item powered and operated, recorded item by item; the post-transit acquisition by its material reference, with the hash obtained and the published known answer and whether they agree; the condition of every case, latch, hinge, seal, connector and cable; anything found loose within a case; result
Ingress protection rating record, one row per item carrying a rating	G-D.13	Item or case by identifier; the ingress protection rating marked on it; the rating stated on the manufacturer's published datasheet, with the datasheet reference and date; the rating required at Chapter 10 for that item, transcribed and initialled by the verifying officer; whether seals, gaskets and closures are intact and close fully; result
Per-machine power provision: discharge and mains interruption	G-C.18	The protected machine and its class; rating transcribed for the class and initialled; declared sustained load of the protected machine, carried from the concurrent high-load record for that machine and replaced by no other figure; load measured at the instant of mains removal, being machine, displays and attached acquisition hardware at the socket; the non-evidential test acquisition in progress, by its material reference; time mains interrupted; whether the audible and on-screen alarms operated and whether the on-screen indication stated the runtime remaining; the time the acquisition completed or closed cleanly to a recorded stop; time of automatic graceful shutdown and the remaining-runtime threshold at which it was initiated; runtime achieved; runtime floor transcribed and initialled; whether the acquisition log is intact; acquisition hash before and after, and whether they agree; where the acquisition did not complete, whether the image was marked partial and the log written and hash-verified; battery declaration: nominal stored energy, the twenty-hour rating and the derating at the thirty-minute discharge rate; ambient temperature at the provision; the monitoring connection: the interface to the protected machine described physically, the interface listing on that machine, and the capture result; result against runtime and against acquisition integrity separately

Nine rules are printed on the face of these records because they decide what the figure means.

- Every serialised capital item is inspected at one hundred per cent and is never sampled.
- A consumable or passive lot is counted against its published quantity and inspected by sample against the published deliverable list and specification, the lot being accepted only where every sampled item conforms; the record states the sample size and the basis on which it was fixed, and no lot is judged on a sample described only as meaningful, representative or adequate.
- Every acquisition path of every delivered acquisition device is exercised and produces its own row, and zero writes on one hundred per cent of paths is the only pass; a declaration, an assurance or a supplier's certificate in place of the two hashes and the recorded refusal is not accepted, and the test is treated as not performed.
- A throughput rate is computed over the whole acquisition from the acquisition log's own timestamps and is never sampled at an instant; a measurement taken with hashing disabled is void and the test re-run.
- Hash agreement is an exact match or a fail, and no tolerance is applied.
- Nil egress is the only pass on the zone-separation record, and any path found is a major non-conformance closed by removal of the path and verified by re-running that record in full.
- Capacity is recorded as reported by the delivered machine after the redundancy configuration is applied, never as a sum of device capacities and never as a manufacturer's figure.
- The measurements at Chapter 10, CHL-6, CHL-8, CHL-9, CHL-10, CHL-11, CHL-12 and CHL-14 are the pass conditions of the concurrent high-load record and there is no partial pass: a machine failing any one is corrected or replaced and the record made again in full; a re-test on the failed measurement alone is not a re-test; the measurements at CHL-7, CHL-13 and CHL-15 are recorded quantities and a machine on which any of the three is not recorded is not accepted; runtime is measured at the machine's declared sustained

load in every case; and an unmarked partial image left behind by an interruption is a major non-conformance whatever runtime was achieved.

- A physical or environmental property is recorded from the rating marked on the item and its manufacturer's published datasheet, from a witnessed functional check, or from a certified trade test with its report, and from no other source; this annexure records no laboratory test and cites no numbered standard.

G.4 The common header block

Table G.4: The common header block, carried by every record

Field	What is entered
Record reference	The unique reference of this record, allotted in the sequence maintained by the Programme Management Unit
Template	G-A, G-B, G-C, G-D, G-E, G-F or G-G
Stage	A, B, C, D, E or F under Chapter 18
Unit or batch	The serial number and name of the unit at Annexure A, or the batch reference at pre-dispatch inspection
Tier	Headquarters, Commissionerate or District
Delivery lot and wave	The lot and wave of the unit at Annexure A
Item identifiers covered	Every item identifier verified by this record
Serial numbers covered	Every serial number verified by this record, or the schedule reference where they are scheduled separately
Material and dataset version	The dataset reference at Annexure B and its published version and release date
Place, date and time of commencement	As at commencement
Present for the Department	Name, designation and party of every officer present
Present for the System Integrator	Name, designation and party of every person present
Countersigning officer	The officer holding the Unit In-charge duty, where the record is made at a unit
Language of record	English or Hindi; a record made in Hindi carries an English transcription of every measured value

G.5 Retention, custody and what no record may contain

- The complete inspection and test record set for each unit is retained under the retention schedule at Annexure L, one copy at the unit and one at Headquarters, and includes every failed record and every re-test record.
- A closed non-conformance is verified by re-running the failed test in full, never in part, and never by inspection of a rectification report alone; the re-test is at the System Integrator's cost, including the attendance of departmental officers where a further visit to the unit is required; and both records are listed on the certificate.
- A unit deferred on a departmental not-ready certification is excluded from its wave and re-sequenced, and its exclusion neither delays the wave nor defers or reduces payment for the units accepted in it, that fact being recorded on the face of the wave reconciliation record.
- No record made under this annexure certifies a connection between units, a synchronisation, a consolidation or a periodic exchange of data, because none exists in this design and none is procured. No record is completed by a supplier acting alone on supplier-supplied material.
- No acceptance is deemed at any stage, in any circumstance: an item cannot be deemed to hash correctly, to block a write, to hold its capacity or to survive a mains interruption because a committee did not meet. Where a departmental clock expires, the consequence is the tolling of the System Integrator's obligations for the affected units and automatic escalation, and never a record that says a test was passed which was not performed.

Annexure H: Site Readiness Checklist

H.1 Purpose, standing and the moment at which it is applied

This checklist establishes whether a unit's premises are in a condition to receive, house, power, protect and operate the equipment allotted to that unit. It is applied sixty days before the scheduled deployment of each unit, by joint verification of the System Integrator and the Programme Management Unit, and the certificate it produces is the entry condition for delivery. Nothing is despatched to a unit that has not been certified ready.

The great majority of the conditions it tests are departmental scope and cannot be procured by the System Integrator at any price. Verifying sixty days ahead makes that a scheduling decision rather than a failed installation visit.

The checklist carries one row for each of the seventy-six units enumerated at Annexure A, and no unit is absent from it. The unit-wise register is maintained by the Programme Management Unit against the column set at Table H.6, keyed to the serial number of the unit at Annexure A; the readiness status codes and their consequences are published at Annexure A.

H.2 Who provides what at a site

The division is simple and is stated here in plain terms. The Department provides the basic infrastructure at every site: the room and its fabric, the air conditioning, the lighting, the electricity supply including the dedicated circuits, the earthing and the protection, and the physical security of the premises. The System Integrator provides everything technological placed within that room: the computer systems, the storage and network equipment, the racks, the data and internal power cabling, the power protection provisions, the evidence cabinets and the training-laboratory equipment, and installs, configures and maintains them.

On environment the System Integrator's obligation is to monitor, log and alarm the conditions in the equipment room and the training laboratory. It does not supply cooling plant.

Table H.1: Who provides what at a unit site

Provision	Scope	Consequence if absent at verification
Accommodation, civil works, partitions, doors and locks to the room	Departmental	The unit is certified not ready
Bulk electrical supply, distribution board, dedicated circuits, earthing and protection	Departmental	The unit is certified not ready
Standby generation, where it exists at the premises	Departmental	Recorded; does not by itself defeat readiness
Internet service terminating at the Controlled Internet Zone position, that position being the route by which the unit receives remote training delivery and any session livestreamed from the training laboratory	Departmental. Not funded within the programme envelope	The unit is certified not ready
Air conditioning, ventilation, lighting and dust control at the equipment positions	Departmental	The unit is certified not ready
Physical security of the premises and of the room	Departmental	The unit is certified not ready
Fire detection, extinguishing provision and electrical safety certification	Departmental	The unit is certified not ready
Floor space, anchoring substrate and independent locking for the evidence-holding position	Departmental	The unit is certified not ready
Posting of the officers who will hold the three duties	Departmental	The unit is certified not ready
Cable containment, conduit, wall penetrations and permission to work	Departmental	The unit is certified not ready
Written approval of the installation dates, site access, key custody and a named point of contact	Departmental	The unit is certified not ready
Departmental laboratory endpoints at Headquarters, being the desk machines of the nine non-examining posts	Departmental. Outside the Bill of Materials. Protected by the System Integrator at IN-07 but neither supplied, maintained nor priced by it	Headquarters is certified not ready

Provision	Scope	Consequence if absent at verification
The separately connected Controlled Internet Zone endpoint of the training laboratory at Headquarters, from which remote training sessions and laboratory livestreams originate under Chapter 10, IN-04.4 and IN-04.14	Departmental. Outside the Bill of Materials. The System Integrator configures it and supplies the capture path, its equipment and the livestream platform within IN-04, but supplies, maintains and prices no part of the endpoint	Headquarters is certified not ready
Computer systems, storage and network equipment, and the training-laboratory equipment at Headquarters	System Integrator, under the Bill of Materials	Not a readiness row
Racks, in-rack power distribution, and the data and internal power cabling and switching within the unit	System Integrator, under the Bill of Materials	Not a readiness row
Power protection provisions, being the unit-level provision and the dedicated provision at each protected machine, and equipment-level locking	System Integrator, under the Bill of Materials	Not a readiness row
Evidence storage cabinets	System Integrator, under the Bill of Materials	Not a readiness row
Monitoring, logging and alarming of temperature and humidity in the equipment room and the training laboratory	System Integrator, under the Bill of Materials. It supplies no cooling plant	Not a readiness row

No bidder may price any departmental item in Table H.1, and no bidder may assume its presence in framing a delivery programme. The readiness verification is the mechanism by which its presence is established unit by unit, before despatch.

H.3 The mandatory readiness rows

Rows K-A to K-K are mandatory at every one of the seventy-six units. Rows K-L and K-M are mandatory at Headquarters and do not arise at a field unit, there being no laboratory endpoint and no remote-delivery and livestream origination endpoint at a field unit. There is no conditional row and no advisory row. Where an applicable row is not satisfied the unit is certified not ready, whichever row it is, and the consequences at section H.9 follow.

The rule on stated values. Where a row requires a value (an area, a temperature or humidity band, a lighting level, an observation period, a floor loading or a cabinet count), that value is the one published for the tier of the unit being verified at Chapter 10; this checklist restates none of them save the power figures at section H.4 and the environmental values at section H.6. The verifying officers transcribe the required figure onto the readiness record beside the figure they measured and initial the transcription, so that a determination of ready is reproducible from the record alone.

Table H.2: The mandatory readiness rows

Row	What is verified at the unit	Scope	Objective test at the joint visit, and the evidence recorded	Consequence
K-A Accommodation and space	A room or set of rooms allotted to CIDAL in which every equipment position and every evidence-cabinet position of the tier can be set out on the marked layout at K-B and operated, each with a clear working aisle and the evidence-holding position at K-I among them; a floor at those positions carrying the loaded mass of the tier's equipment and of the cabinet count published for that tier at Chapter 10, computed from the delivered masses on the despatch schedule; and a delivery route from the vehicle standing to the room admitting, at every doorway, turn, lift and stair, the packed dimensions of the largest item in that unit's consignment	Departmental	Area measured and the positions set out against the marked layout, none overlapping or obstructed; floor construction identified and the computed loaded mass recorded against it; the route walked and every doorway, turn, lift and stair measured against the declared packed dimensions. Evidence: dimensioned sketch showing every position with its aisle; allotment order reference; floor construction note carrying the computed loaded mass; measured route note	Not ready
K-B Layout and zone separation	A layout permitting the Evidence Processing Zone, the Controlled Internet Zone and the Physical Evidence Holding Zone to be established as separate positions, with the Evidence Processing Zone lockable and its cable route physically separate from that of the Controlled Internet Zone	Departmental	Walk-through against the marked layout; each zone position identified; confirmation that no cable route is shared. Evidence: marked layout drawing signed by both parties	Not ready
K-C Cable containment	Conduit or containment along the routes required, wall penetrations made or permitted, and written permission to carry out installation work on the scheduled dates	Departmental	Physical inspection of the routes; the written permission produced. Evidence: route note and permission reference	Not ready

Row	What is verified at the unit	Scope	Objective test at the joint visit, and the evidence recorded	Consequence
and permission to work				
K-D Power	The dedicated supply, circuit count, earthing, protection and socket schedule for the tier, at the figures stated in full at section H.4	Departmental	Board and each dedicated circuit inspected against the count required for the tier; supply capacity read and recorded against the figure required; earth resistance measured with an instrument, the reading recorded with the instrument used and the date; sockets counted against the schedule. Evidence: circuit schedule naming each dedicated circuit and the equipment it serves; supply capacity record; earth resistance measurement; socket schedule	Not ready
K-E Internet in the Controlled Internet Zone	A working departmental internet service terminating at the Controlled Internet Zone position, that position being the endpoint at which the unit joins a remote training session and receives a session livestreamed from the training laboratory, with a display and sound at that position adequate for a group of officers of the unit to watch and hear it. Mandatory and not conditional at every unit; at Headquarters the termination is at the Controlled Internet Zone position of the Headquarters laboratory. See section H.5	Departmental. Not funded within the programme envelope	The service exercised at the termination point; the published support-desk channel reached; each national platform identified at Chapter 2 reached through its existing interface; the conferencing service by which remote training is delivered joined from that position and vision and sound observed at it, which also establishes the position's fitness to receive a livestreamed session under Chapter 10, IN-04.14. Evidence: reachability record with date, time and result against each, carrying the observation of vision and sound at the position	Not ready
K-F Environment	At a field unit, the field-tier values of Chapter 10, Section 10.5.1, stated in full at section H.6, with ventilation and dust control at the equipment positions. At Headquarters, the equipment-room envelope the Department's air conditioning must maintain under IN-05.4 and the general illumination under IN-05.3	Departmental	Instrumented measurement at the working position, logged continuously over the observation period; instrumented illumination measurement at a published grid of points at the working position; inspection of ventilation and dust control; at a field unit the nil finding on precision cooling recorded expressly. Evidence: measurement record per value with the continuous log	Not ready
K-G Physical security of the premises	Controlled access to the building and to the room; a visitor record in use; out-of-hours security arrangements stated; the approach to the evidence-holding position under observation where surveillance exists at the premises	Departmental	Inspection of access control and of the room's locking; the visitor record; the arrangement stated in writing. Evidence: inspection note and the written arrangement	Not ready
K-H Safety	The departmental fire-safety system serving the room: the addressable fire detection heads covering every laboratory area, the suppression provision covering the equipment positions and leaving no conductive or corrosive residue on media, and the building fire panel to which both are connected, being the detection heads, suppression provision and panel that Chapter 10, IN-05.5 states the Department provides and that the System Integrator neither supplies nor prices, it effecting only the detection interlock under that requirement; portable extinguishing provision of a class rated for fires in live electrical equipment and leaving no conductive or corrosive residue, in date against the refill and pressure-test dates marked on it; a clear means of escape; first-aid provision; a current electrical safety certificate for the premises	Departmental	Physical inspection of the detection heads, the suppression provision and the building panel, with the agent, standard and design concentration read from the Department's own design documents and recorded; the rated class and the refill and pressure-test dates read from each extinguisher; the certificate produced. Evidence: inspection note naming the detection heads, the suppression provision and the panel; the transcribed agent, standard and design concentration with the design-document reference; rated class and test dates per extinguisher; certificate reference	Not ready
K-I Evidence storage position	Floor space and an anchoring substrate for the number of evidence cabinets allotted to the tier, at a position lockable independently of the rest of the room, with a location for the seal stock	Departmental	Measurement of the position; inspection of the substrate for anchoring; inspection of the independent locking. Evidence: dimensioned note and anchoring assessment	Not ready
K-J Personnel	The officers nominated to hold the Unit In-charge, Examiner and Custodian duties posted at the unit and named; the officer nominated as the unit's in-person-trained examiner has completed, or is scheduled to complete, the Core Examiner Course not later than thirty days before the scheduled commissioning date. At Headquarters the row is verified against	Departmental	The posting order; the nomination signed by the officer supervising the unit; the training schedule. Evidence: nomination record with names, designations and the training date	Not ready

Row	What is verified at the unit	Scope	Objective test at the joint visit, and the evidence recorded	Consequence
	the departmental officers holding the equivalent supervisory, examining and custody functions, the twenty contracted posts at MP-01 being mobilised under Chapter 11, Section 11.12 and not a readiness condition			
K-K Approvals and access	Written approval for the delivery and installation dates; access for the delivery vehicle and the installation team; key custody settled and recorded; a named departmental point of contact with contact particulars	Departmental	The written approval; the key custody arrangement; the point of contact named. Evidence: approval reference and contact record	Not ready
K-L Departmental laboratory endpoints, at Headquarters only	The departmental desk machines of the nine non-examining posts at Headquarters, defined at Chapter 10, Section 10.5.1 as lying outside the Bill of Materials and standing on the same footing as the Controlled Internet Zone endpoint; present, at the positions shown on the marked layout, with their number and the wattage allowed for each fixed and recorded. See section H.7	Departmental. The System Integrator protects them at IN-07 and does not supply, maintain or price them	The endpoints counted at their positions; the wattage allowed for each read and recorded; the total entered on the readiness record as the figure against which the residual sizing at IN-07.1 is made; confirmation that no endpoint is offered for supply under the Bill of Materials. Evidence: endpoint schedule carrying the count, the position of each and the wattage allowed for each, signed by both parties	Headquarters not ready
K-M Remote-delivery and livestream origination endpoint, at Headquarters only	The departmental machine constituting the separately connected Controlled Internet Zone endpoint of the training laboratory, from which remote training sessions and laboratory livestreams originate under Chapter 10, IN-04.4 and IN-04.14; present, at the position shown on the marked layout, connected to the departmental internet service, with the wattage allowed for it fixed and recorded	Departmental. Outside the Bill of Materials. The System Integrator configures it, supplies the capture path and its equipment within IN-04, and does not supply, maintain or price	The endpoint counted at its position; the wattage allowed read and recorded and carried into the residual sizing at IN-07.1; a session joined from it and vision, sound and screen observed; confirmation that no endpoint is offered for supply under the Bill of Materials. Evidence: endpoint schedule with position, wattage and the session record, signed by both parties	Headquarters not ready

Row	What is verified at the unit	Scope	Objective test at the joint visit, and the evidence recorded	Consequence
		the endpoint		

Table H.3: Observations recorded at the visit which do not gate readiness

Observation	Why it is recorded
Floor level of the room and whether lift or stair access applies	Sizes the installation and any later spares visit
Road access at the unit, and the departmental courier or escorting-officer arrangement available to it for despatching a referral package to Headquarters and receiving the return	Informs the transfer turnaround expectation for that unit
Availability of a second room or adjacent space	Informs any later expansion of the unit, which is not in this programme's scope
Standby generation at the premises: present or absent, and where present its rating and the circuits it serves	Fixes whether the witnessed generator-transfer test on the unit-level power provision is performed at installation

H.4 The power row, stated in full

The figures below are those published at Chapter 10, Section 10.5.1, restated here because the departmental office that must build, alter or reserve the supply reads this checklist and nothing else; where the two are read together, Chapter 10 governs.

Table H.4: The power provision verified at each tier

Tier	Connected information-technology load of the equipment allotted to the unit	Dedicated supply to the equipment positions, not less than	Dedicated circuits, not fewer than	Earth resistance
District	1.44 kW	3 kVA	2, one serving the analysis workstation and one serving the acquisition and processing node	Not exceeding 5 ohms
Commissionerate	1.88 kW	4 kVA	3, one for each of the two analysis workstations and one for the bench imager and the unit's ancillaries	Not exceeding 5 ohms
Headquarters	25.31 kW	45 kVA	22, being eleven, one for each laboratory-grade workstation as IN-08.1 requires; one for each of the five Headquarters zones; one for the management domain; and five for the learner positions of the training laboratory as at IN-04.11, each from the laboratory distribution board with residual-current and surge protection, as further detailed at IN-05.1	Not exceeding 1 ohm, with neutral-to-earth voltage not exceeding 2 V at full load, as at IN-05.2

Four points fix what is required. The load column and the supply column are different things and both are verified: the load, in kilowatts, is what the machines and their ancillaries at that tier draw at the sustained utilisation at which those machines are proved and not at idle; the supply, in kilovolt-amperes, is the rating that must serve them, and is larger because it carries the air conditioning and lighting at the equipment positions as well. A unit whose supply meets the load figure but not the supply figure is not ready. The circuit counts are mandatory, are counted at the visit and are named on the circuit schedule against the equipment each serves. The circuits verified here feed the power protection provisions supplied under the Bill of Materials; those provisions are the System Integrator's scope and are not a readiness row, while the supply, the board, the circuits, the earthing and the protection are departmental scope and are. At a District the two dedicated circuits serve the analysis workstation and the acquisition and processing node respectively; the unit-level

provision at IN-07 and the unit's ancillaries are fed from the unit's general small-power distribution, verified as part of the socket schedule and not one of the two dedicated circuits. Earth resistance is measured and not assumed.

A unit certified against any other figure is not ready: where a readiness certificate records a supply, a circuit count or an earth reading short of the table above, the certification does not stand, whatever else it records, and the unit is re-verified before anything is despatched to it. The row is verified twice, at this readiness visit and again at installation and configuration verification under Chapter 18, tests C-11 and C-15, the record being made on the template at Annexure G, where the load is measured with all equipment operating and each protected machine's own provision is discharged at that machine's measured sustained load.

H.5 The internet row, stated in full

The internet row is mandatory and not conditional at every one of the seventy-six units. It is not qualified by "where required", "where available" or "where feasible", and it may not be certified conditionally, provisionally or subject to a later date. Five things pass through the Controlled Internet Zone with no other route for any of them: access to the national platforms identified at Chapter 2 through their existing user interfaces; remote and telephonic assistance from the Headquarters support desk; licence and signature updates for tools which operate offline but must be kept current; submission of the unit's monthly certified return; and training delivered to the unit at a distance, being both the structured remote sessions of the tracks at Chapter 12 and Annexure J and any session livestreamed from the training laboratory under Chapter 10, IN-04.14. A unit without that service cannot be supported, cannot be updated, cannot report and cannot be trained at a distance.

Because the structured remote tracks at Chapter 12 and Annexure J are delivered from programme month 5, ahead of the deployment of most units, row K-E is verified twice more than the other rows and at three separate points. It is verified in a preliminary form not less than twenty working days before the first session of the cohort in which that unit falls, by the Programme Management Unit against the unit's own certification that the service is present and working at the Controlled Internet Zone position, with a display and sound adequate for a group of officers to watch and hear a session, and a test join of the conferencing service recorded with date, time and result; that preliminary verification gates the cohort and nothing else, and neither anticipates nor discharges the full joint verification. It is then verified in full at the sixty-day joint visit, and again at installation and configuration verification under Chapter 18, test C-3. Where the preliminary verification fails, the unit's officers are carried into the next cohort within the window and the failure is a departmental cause under Chapter 13, Section 13.11; no service credit arises against the System Integrator under SL-16 in respect of that unit.

The row therefore establishes, in one verification, that the unit can receive a livestreamed session: the endpoint at which a remote session is joined is the endpoint at which a livestream is received, no second endpoint, no second service and no further departmental provision arises for it at the receiving unit, and the platform by which the laboratory livestreams is supplied by the System Integrator within IN-04 and is not a readiness item. The endpoint from which a livestream or a remote session originates is a different thing and arises at Headquarters alone: it is the separately connected Controlled Internet Zone endpoint of the training laboratory at Chapter 10, IN-04.4, and it is verified at row K-M.

The requirement has four boundaries.

- The service is departmental scope and is not funded within the programme envelope. No bidder may price it, quote for it, assume it or make its delivery programme contingent on procuring it.
- It is a local connection at the unit, for outward access only, and creates no connection of any kind to any other unit. No leased line, wide-area network, tunnel, site firewall, routing device or shared platform is provided, priced or permitted at any field unit, and the absence of a perimeter device is itself verified at installation.
- It has no path to the Evidence Processing Zone. The zone separation verified at installation is the control, and the crossing of a signature or licence update into that zone is by registered, single-purpose removable media under the recorded crossing procedure and by no other means.

- Reachability of a national platform is not integration with it. CIDAL neither builds, integrates with, migrates data to, nor depends upon any of them for its own function, and no interface, data exchange or system-to-system linkage is in scope, is priced or is verified at any stage.

The row is verified twice: at this readiness visit, sixty days before deployment, and again at installation and configuration verification under Chapter 18, test C-3, the record being made on the template at Annexure G. A unit that passes at readiness and fails this row at installation is certified not ready on that row alone, by the same joint verification and on the same record: it is excluded from its wave and re-sequenced, its site acceptance is deferred until the service is restored and the row re-verified, no liquidated damages or service credits accrue against the System Integrator in respect of that unit for the period of the deferral, its delivery-schedule obligations for that unit are tolled, rectification is owned by the named departmental office, and payment already released for delivery at that unit is not affected. The remaining consequences at section H.9 apply so far as they are capable of applying after despatch.

H.6 The environmental row: the field-tier values and the Headquarters envelope

A field unit is not an equipment room and is not held to the equipment-room envelope. Its environmental condition is verified against the field-tier block published at Chapter 10, Section 10.5.1, being the equipment rating band of the machines deployed there. The values are stated here in full because the departmental office that must provide the air conditioning, the ventilation and the lighting reads this checklist and not the Technical Requirements chapter; where the two are read together, Chapter 10, Section 10.5.1 governs.

Table H.5: The environmental condition verified at each tier

Parameter	Value at a field unit, being a District or a Commissionerate	Value at Headquarters
Ambient temperature	10 °C to 35 °C	18 °C to 27 °C, maintained by the air conditioning the Department provides, as at IN-05.4
Relative humidity	Not more than 80 per cent, non-condensing	40 to 60 per cent, as at IN-05.4
Illumination at the working position	Not less than 300 lux	General laboratory and training-room lighting as at IN-05.3, the task illumination and glare control at the benches being supplied under IN-05 and not a readiness row
Observation period	Not less than one hour, continuous, with the unit's machines operating, logged throughout	As required for the instrumented measurement of each value
Precision cooling	Not required, not supplied and not priced at a field unit. A nil finding is recorded expressly on the readiness record	Air conditioning is departmental scope and is verified at this visit

Air conditioning and ventilation sufficient to hold the ambient within the band are departmental scope at every tier. The System Integrator supplies no cooling plant. Its obligations are two: that every delivered machine performs to specification anywhere within the band, as fixed at HW-04.15 and HW-05.15; and that it monitors, logs and alarms the temperature and humidity in the equipment room and the training laboratory. Both are proved at installation and not here.

H.7 Departmental endpoints at Headquarters outside the Bill of Materials

Two classes of departmental machine at Headquarters lie outside the Bill of Materials and are verified as readiness rows: the laboratory endpoints at row K-L, and the remote-delivery and livestream origination endpoint at row K-M. The second is the separately connected Controlled Internet Zone endpoint of the training laboratory from which remote training sessions and laboratory livestreams originate under Chapter 10, IN-04.4 and IN-04.14. It stands on the same footing as the laboratory endpoints and as the Controlled Internet Zone endpoint at a field unit: the System Integrator configures it, supplies the capture path, its equipment and the livestream platform within IN-04, and supplies, maintains and prices no part of the endpoint itself; the wattage allowed for it is fixed at this visit and carried, with the laboratory-endpoint total, into the residual sizing at IN-07.1. Where the endpoint is not present at the visit, or a session cannot be joined from it, Headquarters is certified not ready on row K-M.

Laboratory endpoints are the departmental desk machines at Headquarters serving the nine non-examining posts. They lie outside the Bill of Materials at Chapter 9 and stand on the same footing as the Controlled Internet Zone endpoint: the System Integrator protects them at IN-07 and does not supply, maintain or price

them, and no bidder may price them or make its delivery programme contingent on procuring them. Their number, their positions and the wattage allowed for each are fixed at this readiness visit and recorded on the readiness record, and that recorded total is the figure against which the residual sizing of the unit-level power provision at IN-07.1 is made. Where the endpoints are not present at the visit, or their number and wattage are not fixed and recorded, Headquarters is certified not ready on row K-L, because the provision that must protect them cannot be sized against a figure that does not exist.

H.8 The unit-wise certification record

Table H.6: The unit-wise readiness register: column set

Column	What is entered
Serial	The serial number of the unit at Annexure A, from 1 to 76
Unit and tier	As at Annexure A
Wave and delivery lot	As at Annexure A
Scheduled deployment date	The date against which readiness is verified
Verification due date	Sixty days before the scheduled deployment date
Date of joint verification	The date on which the visit was actually made
K-A to K-K, and K-L and K-M at Headquarters	One cell per applicable mandatory row: satisfied, or not satisfied with the deficiency named
Overall determination	Ready, or not ready
Readiness status	The status code maintained at Annexure A
Certificate reference and date	Of the readiness certificate or the not-ready certification
Deficiencies and owner	Each deficiency, the departmental office owning its rectification, and the date by which rectification is expected
Re-verification date	Where the unit was certified not ready
Re-sequenced to	The wave or catch-up slot into which the unit is re-sequenced
Signed for the Department	Name, designation, signature and date
Signed for the System Integrator	Name, designation, signature and date

Table H.7: Rules of certification

Rule	Statement
Completeness	A determination of ready requires every applicable mandatory row to be satisfied: the eleven rows K-A to K-K at every unit, with K-L and K-M additionally at Headquarters. Ten of eleven is not ready
No conditional certification	A unit may not be certified ready subject to a condition, an undertaking or a later date. The certificate records a state of fact on the date of the visit
Naming the deficiency	A not-ready certification names each deficiency, the departmental office that owns it and the expected date of rectification. A certification recording only a conclusion is not accepted
Joint signature	Both parties sign. A certificate signed by one party alone has no effect, and a refusal by either party to sign is recorded with the reason and escalated to the Apex Procurement Committee, which shall determine the readiness of the unit within 10 working days of the escalation. Pending that determination the unit is treated as certified not ready and section H.9 applies in full; where the determination is that the unit is ready, the readiness certificate is issued on the date of the determination and the deferral is expunged
Re-verification	A unit certified not ready is re-verified on all of its applicable rows in full, and never on the deficient rows alone
Currency	A readiness certificate more than one hundred and twenty days old at the date of despatch is re-verified before despatch
Custody of the record	Held by the Programme Management Unit, with a copy at the unit, retained under Annexure L

H.9 The consequence of a not-ready certification

Table H.8: Consequence of a not-ready certification

Effect on	Consequence
The unit	Deferred from its wave. Nothing is despatched to it. It is re-sequenced into a later wave or into a catch-up slot before final commissioning

Effect on	Consequence
The wave	The wave proceeds without it. Wave acceptance is reconciled against the wave's composition less the deferred unit, and the deferral is recorded on the reconciliation record
Liquidated damages	None accrue against the System Integrator in respect of the deferred unit for the period of the deferral
Service credits	None arise against the System Integrator in respect of the deferred unit for the period of the deferral
The System Integrator's obligations	Delivery-schedule obligations and damages exposure for the affected unit are tolled for the period of the deferral
Payment	Delivery and site-acceptance tranches are released per unit. The deferral of one unit neither defers nor reduces payment for units already accepted
Escalation	Deferral of more than 10 per cent of the units in a wave at the sixty-day verification is escalated to the Apex Procurement Committee, and the site-readiness row of the delivery-phase risk register at Chapter 11, Table 11.7 is triggered
Rectification	Owned by the named departmental office. The System Integrator has no obligation and no authority in respect of it
Re-entry	On re-verification of all applicable rows and issue of a readiness certificate, the unit re-enters the programme at its re-sequenced slot

Annexure I: Service Level Severity Definitions and Response Matrix

I.1 Purpose, standing and the rules that govern the whole matrix

This annexure sets out in full the severity definitions and the response matrix under which faults, requests and shortfalls are classified, answered and measured across the operations period. It is the published form of the definitions at Chapter 13 and creates no service level, severity class or service credit beyond those Chapter 13 fixes; the clock conventions at Table I.13, the boundary rules at Table I.5, the spares rules at Table I.7 and the escalation ladder at Table I.12 are operative provisions of this Request for Proposal in their own right. Where this annexure and Chapter 13 appear to differ on a clock, a percentage, a service level or a credit, Chapter 13 governs. Eight rules govern every scale, class and row below.

- One penalty basis applies to every service level without exception: a service credit is a percentage of the amount invoiced for the month in which the breach occurred, for the service category affected. No credit is computed on contract value, on the value of an item, on the value of a unit, or on any other base.
- Caps are expressed as percentages only and are never resolved to a value in this Request for Proposal. The credit basis and the two caps are at Table I.14.
- A credit accrues on every incident, request, visit, instance, provision or unit outside its clock or its stated obligation, in every month in which it occurs, whether or not the attainment percentage was met for that month. The attainment percentage governs the persistent-breach test at Chapter 13, Section 13.11 and nothing else.
- No service level, severity or credit may depend on a live field figure. Every field measure is taken from the monthly certified return of the unit concerned, reconciled against the supplier's ticket, despatch and visit records.
- No human-resources severity attaches to any field unit. Every contracted post is at Headquarters, and no class at Table I.8 is to be read as applying to a field unit.
- Severity is assigned by the support desk on logging and may be raised by the Unit In-charge, whose assessment governs. A request affecting an exhibit in process escalates on detection and not on the elapse of a period.
- No obligation under this annexure may be discharged by creating a data connection between units, and no exclusion is written or available for the failure of one, because there is none.
- No support obligation extends to touching evidence. The support function may not connect to any machine holding case evidence, may not view, receive, transmit or store any evidential artefact, forensic image, working copy or derived intermediate, and may not make, verify or influence a forensic finding.

Table I.1: The four scales that operate, and what each covers

Scale	Classes	What it covers	Applies at
A: equipment and systems	Severity 1 to Severity 4	Failure or degradation of a delivered item or system	All 76 units
B: remote and telephonic support to an unmanned field unit	RQ-1 to RQ-3	Requests for assistance from a unit with no on-site contracted person	The 75 field units
C: spares despatch to a site with no on-site engineer	SP-1 to SP-3	Despatch, delivery and fitting of a part or consumable	All 76 units
D: Headquarters cadre	HR-S1 to HR-S3	Shortfalls against the twenty contracted posts	Headquarters only

- Scale A additionally carries the power-provision classes at section I.6. Those are classes within Scale A and not a fifth scale: each carries the Scale A severity stated against it and the clocks of that severity.
- A further classification operates and is not reproduced here. Defects in the software supplied are classified as Critical, High, Medium or Low and worked to their own resolution clocks under Chapter 10, Section 10.2.3 and Tables 10.6 and 10.7; the consequence of persistent failure against those clocks is at SL-18. That classification is separate from the four scales above and is not interchangeable with any of them. One event may fall under both: a defect that leaves a unit unable to examine is a Critical defect under Chapter 10 and a Severity 1 incident under Scale A, and both obligations run, restoration at SL-04 and correction at SL-18; but a single event does not attract a credit twice under the same service level.

- A request logged under Scale B that cannot be resolved by guidance is converted into an incident under Scale A, the Scale A clock running from the moment of conversion. Scale C is triggered by a Scale A incident whose resolution requires a part. A single event carries one classification on each scale it touches, and each is measured against its own service level.

I.2 Scale A: equipment and systems severity

The definitions at Table I.2 are the definitions at Chapter 13, Table 13.2, reproduced here without variation.

Table I.2: Scale A: severity definitions

Severity	Definition	Typical case at a field unit	Typical case at Headquarters
Severity 1	The unit cannot acquire, examine or record; or the Headquarters compute and storage platform or the referral register is unavailable; or an exhibit in process is at risk	Sole analysis workstation inoperative; the Case and Evidence Management System unusable; acquisition failed mid-image; a machine's dedicated power provision failed with an acquisition in progress at that machine	The compute and storage platform is unavailable; the referral register is unusable; an authorisation-gated capability cannot be operated on an authorised case
Severity 2	A capability is lost or materially degraded but work continues by another means	Processing node inoperative at a District; one of two workstations down at a Commissionerate; imager unusable; a machine's dedicated power provision inoperative with no acquisition in progress	One examination workstation is down; the backup and archive tier cannot write; the training laboratory cannot run a scheduled cohort
Severity 3	A fault with a workaround, which does not prevent casework	Peripheral failure; reporting defect; degraded but functioning storage	A non-evidential peripheral has failed; a reporting defect; a monitoring gap
Severity 4	A service request, an information request, a configuration change or scheduled work	Update media not received; user query; scheduled reconfiguration	A configuration change request; scheduled work in a maintenance window

Table I.3: Scale A: response, restoration and attainment

Severity	Response	Restoration or completion	Attainment required	Service level
Severity 1	1 hour from logging	8 working hours	Not less than 95 per cent of incidents in the month	SL-04
Severity 2	4 working hours	2 working days	Not less than 95 per cent of incidents in the month	SL-05
Severity 3	1 working day	5 working days	Not less than 90 per cent of incidents in the month	SL-06
Severity 4	2 working days	10 working days	Not less than 90 per cent of requests in the month	SL-07

- Restoration means restoration of the function and not closure of a ticket: a ticket closed without the function restored is reopened at the same severity and the original clock continues to run. Availability of the delivered estate is measured separately against the availability service levels at Chapter 13, and a single incident may bear on both.
- Where restoration requires a part, the restoration clock is suspended on the terms at Table I.13, and the despatch and delivery obligation is measured separately at SL-13.

I.3 Scale B: remote and telephonic support to an unmanned field unit

Seventy-five of the seventy-six units have no contracted person on site and none is ever posted to one. The Headquarters support desk is the only channel by which a field unit obtains help between preventive-maintenance visits. It operates from 08:00 to 20:00 Indian Standard Time on every day other than a gazetted holiday, on one published telephone number, one electronic-mail address and a web form reachable from any unit's Controlled Internet Zone, with Hindi available on every channel throughout coverage; every request enters one queue under one ticket reference. A unit whose Controlled Internet Zone is unavailable can use neither the web form nor electronic mail, so the telephone channel carries a resolution by voice alone and the desk maintains a voice-only procedure set for that case. Remote assistance reaches the Controlled Internet Zone endpoint and nothing else: a machine in the Evidence Processing Zone is not remotely reachable, is not to be made remotely reachable, and is supported by guided assistance to the unit's own officers or by attendance.

Table I.4: Scale B: remote and telephonic support to an unmanned field unit

Class	Definition	Response	Guided resolution attempt	Escalation if unresolved	Service level

Class	Definition	Response	Guided resolution attempt	Escalation if unresolved	Service level
RQ-1	The unit cannot proceed with an acquisition, an examination or a register entry in hand, and no officer at the unit can resolve it unaided	Answered on the telephone channel within coverage, and in any case a returned call within 30 minutes	Within 2 working hours, by guided assistance to the unit's own officer	Converted to a Severity 1 incident, with attendance or spares despatch initiated the same working day	SL-11, then SL-04
RQ-2	A capability is degraded or a procedure is blocked, and the unit continues by another means	4 working hours	Within 1 working day	Converted to a Severity 2 incident	SL-11, then SL-05
RQ-3	An advisory, procedural or information request, including a question on the register, the crossing procedure, an update package, a report format or a training matter	1 working day	Answer issued within 3 working days	Converted to a Severity 4 request where action is required	SL-11, then SL-07

Table I.5: Scale B: the boundary the desk may not cross, and what is recorded when it is reached

Element	Rule
What the desk does	Advises, guides, diagnoses by description, and instructs the unit's own officer
What the desk may not do	Connect to any machine holding case evidence; view, receive, transmit or store any evidential artefact, image, working copy or derived intermediate; make, verify or influence a forensic finding; hold credentials to any evidence-processing system at any unit
A request that cannot be met within the boundary	Recorded as declined, with the reason, and referred to the Unit In-charge
Disclosure of declined requests	Every declined request is listed in the monthly service report with its reason
Language	Hindi and English on every channel throughout coverage hours
Ticket reference	Issued within 30 minutes of receipt within coverage hours, in not less than 98 per cent of requests
Guided resolution or conversion	A guided resolution attempt made and recorded within the period for the class at Table I.4, or the request converted to an incident at the expiry of that period, in not less than 95 per cent of requests
What the desk cannot substitute for	Competence at the unit. Training and the cascade obligation are the field units' only structural support; the desk is not an alternative to them and is not offered as one

I.4 Scale C: spares despatch to a site with no on-site engineer

Table I.6: Scale C: spares despatch to a site with no on-site engineer

Class	Trigger	Despatch clock	Delivery clock	Who fits the part	Service level
SP-1	A Severity 1 incident whose resolution requires a part	Within 1 working day of diagnosis	Within 3 working days at Headquarters and at a Commissionerate; within 5 working days at a District	Where the part is field-replaceable, the unit's own officer under guided assistance, recorded. Where it is not, an attending engineer travels with the part within the same clock	SL-13
SP-2	A Severity 2 or Severity 3 incident whose resolution requires a part	Within 1 working day of diagnosis	The same clocks as SP-1	As SP-1. Fitting may be deferred to the next preventive-maintenance visit only where the unit continues to work by another means and the Unit In-charge agrees in writing	SL-13
SP-3	Consumable replenishment, and a part required for scheduled work	Despatched so as to reach the unit before it falls below two months of its published consumption of any consumable	As despatched	The unit's own officer, or the engineer at the scheduled visit	SL-14

Table I.7: Scale C: the four rules that make the obligation real at an unmanned site

Rule	Statement
Discharge of the obligation	The despatch obligation is discharged on delivery at the unit against a signature, and never on handing over to a carrier. That signature is also the event on which a suspended restoration clock resumes under section I.2

Rule	Statement
Holding	The System Integrator determines and states the initial and replenishment quantities of spares and consumables. Spares are held within India at not less than 5 per cent of the deployed population of each hardware class and not fewer than one unit of every class, the holding restored within 15 working days of consumption. The holding is sized so that downtime is minimised and a defective, malfunctioning or broken component is replaced within the time allowed by the service levels at Chapter 13, without a fresh procurement
Guided fitting	Where the failed part is field-replaceable, the desk guides the unit's own officer through the replacement and records that it did so, naming the officer and the part
Evidential media never returned	A storage device that has held evidential data is never returned to the supplier. It is retained by the Department, recorded in the movement register, and destroyed under Annexure L against a destruction certificate. The warranty obligation is discharged by supply of the replacement without return of the medium

I.5 Scale D: Headquarters cadre severity

These classes apply to the twenty contracted posts at Headquarters and to nothing else. Qualification floors, the examining designation and the replacement rule for each post are at Annexure M.

Table I.8: Scale D: Headquarters cadre severity

Class	Definition	Notification	Remedy clock	Service level
HR-S1	An examining post is vacant; or a deployed resource does not meet the published qualification floor for the post; or a deployed resource has not completed background verification	Notified to the Programme Management Unit on the day the vacancy or finding arises	Vacancy filled within 15 working days by an equal-or-better resource meeting the published floor; a non-compliant or unverified resource withdrawn within 10 working days	HR-01, HR-02
HR-S2	A non-examining post is vacant; or the support desk is not staffed through its twelve-hour coverage window; or the evidence-custody and referral-register function is not staffed on its single shift; or a training session or desk shift is not deliverable in both Hindi and English	Notified to the Programme Management Unit on the day it arises	Vacancy filled within 15 working days; staffing restored to the published roster; bilingual delivery restored at the next session or shift	HR-01, HR-03, HR-04
HR-S3	A named resource is substituted without prior written departmental approval; or a documentation, tool-validation or returns-consolidation deliverable is late	Notified to the Programme Management Unit on the day it arises	Approval obtained or the substitution reversed; the deliverable submitted	HR-05, HR-06

- Eleven of the twenty posts examine, and a vacancy in an examining post is graded above a non-examining vacancy. Under Chapter 13, HR-03, the Documentation and Returns Officer is the sole relief for the support desk, the twelve-hour window applies to the support desk only, and the evidence-custody and referral-register function is covered on a single shift. Each remedy clock runs from the day on which the vacancy, finding or default arises, that day being the day on which it is notified.
- The manpower boundary is a condition of every post and is not a severity matter. Contracted personnel provide technical support, tool operation, documentation, bilingual assistance and refresher support at Headquarters, and supervised assistance only; that assistance does not include delivery of the training programme at SV-03. Final forensic opinions, evidentiary conclusions, statutory certificates and report sign-off remain with authorised Government officers. No contracted person signs a certificate, appears as a witness, or holds credentials to any evidence-processing system at any field unit. A breach of this boundary is a material breach dealt with under Chapter 14 and is not classified on this scale.

I.6 Power provision failure, and the battery obligation across the estate

Each of the one hundred and sixty-one examination and processing machines is protected by its own dedicated uninterruptible power supply, and each of the seventy-six units carries a unit-level supply for the equipment not so protected. An interruption during acquisition or hashing can truncate an image and leave a hash that cannot be reconciled, and at the seventy-five field units no contracted person is present to notice that a provision has failed. The classes below therefore attach to failure of the power provision itself and not only to loss of the equipment behind it. They are classes within Scale A: each carries the Scale A severity stated against

it, the response, restoration and attainment obligations of that severity at Table I.3 apply unchanged, and they apply at every one of the seventy-six units.

Table I.9: Power provision classes, the severity each carries and what the unit does in the meantime

Class	Definition	Scale A severity carried	What the unit does until the provision is restored	The obligation that closes the class	Service level
PW-1	The dedicated provision at a machine is inoperative, fails its discharge test, or fails to initiate a graceful shutdown, while an acquisition is in progress or an exhibit is in process at that machine	Severity 1	The acquisition is brought to a recorded stop, its image marked if incomplete and its hash verified; no further acquisition is commenced at that machine	The provision repaired or replaced, and the runtime re-verified at that machine's declared sustained load before the machine returns to acquisition	SL-04, then SL-17
PW-2	The dedicated provision at a machine is inoperative with no acquisition in progress; or the unit-level provision is inoperative, so that the evidence-holding area lighting, the Controlled Internet Zone endpoint or on-scene kit charging is unsupported	Severity 2	Examination continues. An acquisition at the affected machine is commenced only on the written authorisation of the Unit In-charge, recorded against the case	As PW-1, the runtime being re-verified before the provision returns to service	SL-05, then SL-17
PW-3	Measured battery capacity at any provision is below 80 per cent of its rating; or an alarm, a monitored connection or the automatic shutdown function is inoperative while the provision still carries its load	Severity 3	Work continues. The deficiency is recorded on the maintenance record for that provision and reported in the unit's monthly certified return	The battery replaced at the supplier's cost within 15 working days of the measurement, and the runtime re-verified at the protected load within 5 working days of the replacement	SL-06, then SL-17

A power provision failure that also stops the machine is a Scale A incident in its own right and is classified once; the class above fixes which severity it carries and what additionally has to happen before the class is closed. A restoration that returns the equipment to service without re-verifying the runtime does not close a PW class.

Table I.10: The battery and capacity obligation across the estate, sized

Element	Obligation
Population	237 power provisions: 76 at unit level, one at each unit; and 161 dedicated provisions, one at each of the 11 laboratory-grade workstations, the 82 field-grade workstations and the 68 acquisition and processing nodes
Stored energy	Of the order of 120 kilowatt-hours nominal across the 161 dedicated provisions, distributed over 76 sites of which 75 have no on-site engineer
Annual measurement	Witnessed capacity measurement at every one of the 237 provisions within each contract year, discharged within the preventive-maintenance visit in which it falls due and recorded on that visit record
Replacement	Any battery measuring below 80 per cent of its rated capacity replaced at the supplier's cost within 15 working days of that measurement
Re-verification	Runtime re-verified at the protected load within 5 working days of each replacement. A battery changed without a re-run of the discharge test restores a rating and not a protection
Replacement cycle inside the term	At the shorter of the battery design lives in ordinary use, at least one full replacement cycle across the 161 dedicated provisions falls inside the thirty-six-month operations period. It sits within the operations and maintenance head, is priced at bid, is not a variation, and no claim arises from it
Evidence on which the obligation is measured	The maintenance record for each provision, carrying the measured capacity, the replacement and the re-verified runtime, reconciled against the unit's monthly certified return and the supplier's despatch record
Service level	SL-17

I.7 The consolidated matrix: attainment, evidence and service level

The clocks of each class are at Tables I.3, I.4, I.6, I.8 and I.9 and are not restated. Table I.11 fixes, for every class, the attainment against which it is measured, the evidence on which a determination is made, and the service level under which it is credited.

Table I.11: Consolidated matrix: attainment, evidence and service level, by class

Class	Attainment	Evidence required for a determination	Service level
Severity 1	95 per cent of incidents in the month	Ticket timestamps at logging, response, restoration and closure; the unit's countersignature on restoration; the severity assigned and any revision; the	SL-04

Class	Attainment	Evidence required for a determination	Service level
		despatch note and delivery signature where the restoration clock was suspended	
Severity 2	95 per cent of incidents in the month	As above	SL-05
Severity 3	90 per cent of incidents in the month	As above	SL-06
Severity 4	90 per cent of requests in the month	As above	SL-07
RQ-1	98 per cent on ticket issue, and 95 per cent on the guided resolution attempt made and recorded within the period at Table I.4 or converted at the expiry of that period	Call and ticket records; the guided-assistance note naming the officer assisted; the conversion record	SL-11, SL-04
RQ-2	As RQ-1	As above	SL-11, SL-05
RQ-3	As RQ-1	Ticket records and the answer issued	SL-11, SL-07
SP-1	Per despatch	Despatch note; delivery signature at the unit; the guided-fitting or attendance record	SL-13
SP-2	Per despatch	As SP-1, with the Unit In-charge's written agreement where fitting is deferred	SL-13
SP-3	Per verification	Stock verification record; the consumable check taken at the preventive-maintenance visit	SL-14
PW-1	95 per cent	Ticket records; the provision's maintenance record; the re-verified runtime record; the acquisition log and hashes of the interrupted acquisition	SL-04, SL-17
PW-2	95 per cent	As PW-1, with the Unit In-charge's written authorisation where an acquisition was commenced meanwhile	SL-05, SL-17
PW-3	90 per cent	Capacity measurement record; replacement record; runtime re-verification record	SL-06, SL-17
HR-S1	Per post	Roster and deployment record; qualification and background-verification file	HR-01, HR-02
HR-S2	Per post-week	Roster, attendance record, session and shift records	HR-01, HR-03, HR-04
HR-S3	Per instance	Substitution approvals; submission record	HR-05, HR-06

Table I.12: Escalation ladder, by elapsed time and by repetition

Point	Severity 1, RQ-1, SP-1 and PW-1	Severity 2, RQ-2, SP-2 and PW-2	Severity 3, Severity 4, RQ-3, SP-3 and PW-3	HR-S1 to HR-S3
On logging	Desk supervisor informed; the Unit In-charge acknowledged	Desk supervisor informed	Logged	Programme Management Unit informed
On breach of the response clock	Service delivery manager informed; the Programme Management Unit informed the same working day	Service delivery manager informed	Desk supervisor informed	Programme Management Unit informed
On breach of the restoration clock	Programme Management Unit and the officer supervising the unit informed; a written recovery plan with a dated commitment	Programme Management Unit informed	Service delivery manager informed	Programme Management Unit; a written recovery plan for an examining post
On a second breach in the same month at the same unit or post	Technical Committee informed	Programme Management Unit reviews the cause	Reported in the monthly service report	Technical Committee informed
On breach of the same service level in three consecutive months	Apex Procurement Committee, outside and in addition to the caps, with a written improvement plan and a deadline, and exposure to encashment of performance security in part or termination for default	As on the left	As on the left	As on the left

I.8 Clocks, coverage, suspension and what stops a clock

Table I.13: Clock conventions, coverage, suspension and exclusions

Element	Convention
Coverage hours	08:00 to 20:00 Indian Standard Time on every day other than a gazetted holiday
Working hour	An hour falling within coverage hours on a working day
Working day	A day on which the departmental office at the unit concerned is open
Receipt of a request	The time at which a request arrives on a published channel. A request arriving outside coverage hours is received at the start of the next period of coverage
Commencement of a clock	For SL-11, the time of receipt. For every other service level, the time at which the request or fault is logged and a ticket reference is issued; for a fault detected during a preventive-maintenance visit, the time recorded on the visit record
Commencement of the regime at a unit	Unit-wise, from the site acceptance certificate of that unit, save that training delivery (SV-03) commences at the training-laboratory acceptance certificate and is invoiced against delivery, the initial programme in eight equal monthly instalments across programme months 5 to 12 against the batch and cohort delivery record for the month, so that credits against SL-16 commence at that certificate; operations, maintenance and support (SV-02) and spares and consumables (SV-04) commence unit-wise at that unit's site acceptance; and credits against HR-01 to HR-06 commence on the mobilisation dates of the post concerned at Annexure M, Table M.4
Stopping a clock	Only on restoration of the function, evidenced and countersigned by the unit; a ticket closed without restoration is reopened at the same severity and the original clock continues
Suspension of a restoration clock	Where restoration requires a part, the restoration clock is suspended from the recorded time of diagnosis until delivery of the part at the unit against signature, and resumes on delivery. The despatch and delivery obligation is measured separately at SL-13, and the suspension is available only where SL-13 was met. The despatch note and the delivery signature are furnished with the ticket record; absent either, or where SL-13 was not met, the clock is treated as having run without interruption. No other suspension of a restoration clock exists
Excluded causes	Departmental causes, being a unit not ready, access not granted, officers not released, the Controlled Internet Zone not provided, departmental inspection clocks exceeded, a crossing not performed at a unit after the System Integrator furnished the verified media or package, and a restore test not performed by the unit's own officers; together with force majeure notified and mitigated under Chapter 14, and maintenance windows agreed in writing in advance
Not an excluded cause	The failure of a link between units. There is no inter-unit link, no exclusion is written for one, and none is available
Evidential rule	A credit is determined on evidence and not on assertion, by either party. Where the required evidence is absent, incomplete or not reconcilable, the service level is treated as not met for the period concerned

I.9 The credit basis and the two caps, as percentages only

The credit mechanism is fixed at Chapter 13, Section 13.11 and Table 13.5 and is summarised here so that every class above can be read against it.

Table I.14: The credit basis and the caps

Element	Rule
Basis	A percentage of the amount invoiced for that month for the affected service category. One basis, applied to every service level and every severity class
Category A	Equipment, systems and services: the monthly invoices for operations, maintenance and support, for spares and consumables, and for training delivery
Category B	Manpower: the monthly invoice for the Headquarters specialist cadre
Vacant posts	A vacant post is not invoiced. The deduction is applied to the Category B amount before any credit is computed, is not itself a credit, does not count towards the Category B cap, and does not discharge the obligation to fill the post
Category A cap	Credits in any month against SL-01 to SL-18 not exceeding 10 per cent of the Category A amount invoiced for that month, credits against an annually measured service level being apportioned equally over the twelve months of the contract year
Category B cap	Credits in any month against the human-resources service levels not exceeding 10 per cent of the Category B amount invoiced for that month
Interaction	None. The two caps are separate and non-cumulating; a month's total is the sum of two independently capped amounts
Determination and dispute	Computed by the System Integrator in the monthly service report, verified by the Programme Management Unit and issued within 10 working days of the close of the measurement month; a dispute is raised within 10 working days of issue, on evidence, and decided by the Programme Management Unit within a further 10 working days

Element	Rule
Application	A credit determined and not disputed is set off against the next monthly invoice for the category concerned. A credit under dispute is withheld from that invoice pending the decision and is released or retained according to it. A credit outstanding at the end of the operations period is set off against the final tranche for the recurring services
Persistent breach	Escalates outside and in addition to the caps, as at Table I.12
Standing of a credit	A price adjustment and not a remedy. It does not discharge the obligation, and the obligation survives the credit

No monetary value appears against any percentage in this annexure and none is to be inferred. The amounts to which these percentages apply are those invoiced under the contract in the month concerned.

I.10 What this matrix does not measure

- A severity class measures whether equipment works, whether a fault is answered and restored, whether a part reached an unmanned site, and whether a post is filled. It does not measure whether every case is fully examined. That position is managed by the triage standard at Annexure C and by the numeric re-sizing triggers at Chapter 3, Table 3.6, and no service credit produces an examination.
- Two further measures are indicators of the Department's own operation. They attract no severity class and no credit against the System Integrator, who neither classifies cases nor moves exhibits. The class time targets are taken from the monthly certified return: seven working days to report a case in the immediate class, twenty in the priority class, forty-five to a summary in the standard class, and ten to acquire, verify and archive an exhibit in the preserve class. The transfer turnaround target is eleven working days of non-examination elapsed time per referred exhibit, taken from the same return and measured from the referral register from the first month of operations.

Annexure J: Training Curriculum, Schedule and Assessment Plan

J.1 Standing of this annexure and the rules that govern it

This annexure carries the curriculum, schedule, delivery specification and assessment instruments of the training programme at Chapter 12, and is a contract document. The module lists, durations, contact hours, prerequisites, assessment methods and pass criteria stated here are the obligation the System Integrator prices and delivers, and no narrower set is accepted. Where a period is stated in working days, time runs from the date recorded in the training register for the triggering event; a month is a programme month counted from the effective date of the contract. Five rules govern every row.

- The volumes are fixed and are not estimates: eighty-two officers in person and three hundred and seventy-five remotely, being a total initial trained population of four hundred and fifty-seven, together with seventy-five Unit In-charge places, one hundred and fifty Custodian places and the twenty contracted specialist posts.
- The Department sets the assessment. Instruments, marking schemes and datasets are published, and the bidder does not devise, vary or mark against a scheme of its own.
- Nothing is delivered before the training laboratory is accepted, that acceptance being a separately certified element under Chapter 18 at month 4.
- Every unit is trained before it is commissioned, the in-person examiner completing the core course not later than thirty days before that unit's scheduled commissioning.
- All delivery and all material is bilingual, in Hindi and in English, with translation inside the contract and not as a variation, and with Hindi mandatory for every training-delivering post and for every trainer furnished under section J.9.

Training is a capacity item: the trained establishment at each field unit is an assumption of the design point at Chapter 3. It is measured and reported in the monthly certified return at Annexure E, and a unit below the cascade measure is a triggered row of the delivery-phase risk register at Chapter 11, Table 11.7.

J.2 The six tracks, their audiences and their assessment

Table J.1: The six tracks: audience, mode, duration, contact hours, prerequisites and assessment

Track	Audience and volume	Mode	Minimum duration	Contact hours	Prerequisites	Assessment method	Pass criterion
Core Examiner Course	82 primary examiners: 1 per District (68) and 2 per Commissionerate (14)	In person, training laboratory	16 working days	120	Nominated by the unit as its primary examiner; holds or is to hold the Examiner duty; basic computer literacy certified by the unit	Written paper and supervised practical on Department-supplied material	60% in each of the written and practical components, both required
Train-the-Trainer	The same 82 officers	In person, appended to the core course	3 working days	22.5	Completion of the Core Examiner Course	Assessed delivery of one module to peers; acceptance of the cascade obligation	Delivery assessed satisfactory and a cascade plan for the officer's own unit accepted
Secondary Examiner Course	375 secondary examiners: 5 per field unit multiplied by 75	Remote theory and demonstration; hands-on cascaded locally	10 sessions, plus 4 supervised local days	75 remote and 30 local	Nominated by the unit; holds or is to hold the Examiner duty. Modules SE-01 to SE-10 carry no dependency on the in-person track; the local days CS-01 to CS-04 are taken only after the unit's primary examiner has completed the in-person track and the unit has been commissioned	Written assessment per module; local practical on the unit's own equipment	60% aggregate written, and a practical countersigned by the Unit In-charge
Unit In-charg	75 duty places, 1 per field unit	Remote	3 sessions	22.5	Holds the Unit In-charge duty at a field unit	Written, on classification, referral, review and certification	60%

Track	Audience and volume	Mode	Minimum duration	Contact hours	Prerequisites	Assessment method	Pass criterion
e Course							
Custodian Course	150 duty places: Custodian and 1 nominated relief per field unit	Remote	3 sessions	22.5	Holds or relieves the Custodian duty at a field unit	Written, and practical on sealing, registers and despatch	60% written and the practical assessed satisfactory
Headquarters Cadre Course	20 contracted specialist posts	In person, discipline-specific	15 working days	112.5	Deployed against a post at Annexure M; background verification complete	Discipline assessment against the qualification matrix at Annexure M	60% and demonstrated competence on the tools the post operates

The Core Examiner, Train-the-Trainer and Secondary Examiner tracks are addressed to officers and together compose the initial trained population of 457. The Unit In-charge and Custodian tracks are addressed to duty places; because one officer may hold more than one duty, those places are in most units filled by officers already within the 457 and add nothing to it. The Headquarters Cadre Course is delivered to contracted posts, counted separately.

J.3 The Core Examiner Course: module list

Sixteen working days at 7.5 contact hours a day, in four blocks. Every module is taught in both languages and every practical module is performed on Department-supplied material in the training laboratory, by every learner of the batch together, each at that learner's own fully equipped endpoint and on that learner's own training device set. No module is delivered by recording, none is discharged by attendance alone, and no module is delivered to part of a batch while the remainder of the batch does something else.

Table J.2: Core Examiner Course: modules, duration, contact hours, prerequisites and assessment

Module	Title	Block	Duration	Contact hours	Prerequisite	Assessment
CE-01	The statutory framework for electronic records and their admissibility	A: law and evidence	0.5 day	3.75	None	Written, end of block
CE-02	The certificate on production: the part signed by the party and the part signed by the expert	A	0.5 day	3.75	CE-01	Written, end of block
CE-03	The record of the sequence of custody of an electronic device	A	0.5 day	3.75	CE-01	Written, end of block
CE-04	The audio-video record of search and seizure, and the forensic examination of the scene	A	1 day	7.5	CE-01	Written, end of block
CE-05	Data protection in casework: purpose limitation, minimisation in disclosure and localisation	A	0.5 day	3.75	CE-01	Written, end of block
CE-06	Receipt, receipting and sealing; the exhibit and custody registers	B: intake and the standard	0.5 day	3.75	Block A	Practical, register completion
CE-07	Classification against the published criterion codes and the two-working-day decision	B	0.5 day	3.75	CE-06	Written and case-paper exercise
CE-08	The three treatments and the artefacts each produces	B	0.5 day	3.75	CE-07	Written
CE-09	The referral test, its criterion codes and the class gate; referral out of the programme	B	0.5 day	3.75	CE-07	Case-paper exercise
CE-10	Write-blocked imaging, hashing and verification	C: acquisition	1 day	7.5	Block B	Supervised practical

Module	Title	Block	Duration	Contact hours	Prerequisite	Assessment
		and examination				
CE-11	Host examination I: keyword and pattern search, and deleted-file carving	C	1 day	7.5	CE-10	Supervised practical
CE-12	Host examination II: timeline reconstruction, and system, log and browser artefacts	C	1 day	7.5	CE-11	Supervised practical
CE-13	Host examination III: messaging, document and mail artefacts	C	1 day	7.5	CE-12	Supervised practical
CE-14	Mobile acquisition in accessible, consented and after-first-unlock states	C	1 day	7.5	CE-10	Supervised practical
CE-15	Mobile analysis: application, messaging, location and media artefacts	C	1 day	7.5	CE-14	Supervised practical
CE-16	Telecom record analysis on a bounded case dataset	C	1 day	7.5	Block B	Supervised practical
CE-17	Bounded triage examination, the triage package, and archival writing with release of working storage	C	1 day	7.5	CE-10 to CE-16	Supervised practical
CE-18	Report structure; finding distinguished from inference; the statement of limitations	D: reporting	1 day	7.5	Block C	Written report on a supplied dataset
CE-19	Maker-checker review and countersignature; production and testimony	D	1 day	7.5	CE-18	Review exercise on a supplied report
CE-20	The Case and Evidence Management System, the monthly return, the zone rules and the crossing procedure	D	1 day	7.5	Block B	Practical, register and return completion
Total			16 working days	120		Written paper and supervised practical

Block C carries sixty of the one hundred and twenty contact hours, and the exhibit-class mix in its practical material follows the mix at Chapter 3.

J.4 The Train-the-Trainer syllabus

Three working days appended to the core course for the same eighty-two officers.

Table J.3: Train-the-Trainer: modules, duration, contact hours, prerequisites and assessment

Module	Title	Duration	Contact hours	Prerequisite	Assessment
TT-01	Instructional method for adult learners; session design; bilingual delivery	0.5 day	3.75	Core Examiner Course completed	Observed participation
TT-02	Preparation of the cascade plan for the officer's own unit, against that unit's equipment and its commissioning date	0.5 day	3.75	TT-01	The plan itself, accepted by the Training Officer
TT-03	The published practical assessment instrument, its four tasks and its marking scheme	0.5 day	3.75	TT-01	Marking exercise against a supplied worked script
TT-04	Countersignature, record return, the ten-working-day return clock and the ninety-day measure	0.5 day	3.75	TT-03	Written
TT-05	Supervised delivery of one core module to peers, in Hindi and in English	1 day	7.5	TT-01 to TT-04	Assessed delivery
Total		3 working days	22.5		Assessed delivery and an accepted cascade plan

The cascade plan prepared at TT-02 is a deliverable of the track, filed with the Training Officer before the officer leaves the laboratory. It names the unit, its five secondary examiners, the equipment on which the cascade will be delivered, the four supervised days and their dates relative to the unit's commissioning date, and the Unit In-charge who will countersign the assessments. A batch is not certified complete until every officer's plan has been accepted.

J.5 The Secondary Examiner Course: remote modules and the local hands-on days

Table J.4: Secondary Examiner Course: remote modules, local days, contact hours, prerequisites and assessment

Module	Title	Mode	Duration	Contact hours	Prerequisite	Assessment
SE-01	The legal framework for electronic records and the certificate on production	Remote	1 session	7.5	Nomination by the unit	End-of-module written
SE-02	Intake, receipting, sealing and the exhibit, custody and movement registers	Remote	1 session	7.5	SE-01	End-of-module written
SE-03	The triage standard, the criterion codes and the three treatments	Remote	1 session	7.5	SE-02	End-of-module written
SE-04	Acquisition principles, hardware write-blocking, hashing and verification	Remote	1 session	7.5	SE-02	End-of-module written
SE-05	Host examination demonstrated end to end on a supplied dataset	Remote	1 session	7.5	SE-04	End-of-module written
SE-06	Mobile acquisition and analysis demonstrated end to end on a supplied device set	Remote	1 session	7.5	SE-04	End-of-module written
SE-07	Telecom record analysis on a bounded case dataset	Remote	1 session	7.5	SE-03	End-of-module written
SE-08	Bounded triage examination and the production of the triage package	Remote	1 session	7.5	SE-05 to SE-07	End-of-module written
SE-09	Reporting, the statement of limitations, and review and countersignature	Remote	1 session	7.5	SE-08	End-of-module written
SE-10	Zones, the crossing procedure, archival writing and the monthly return	Remote	1 session	7.5	SE-02	End-of-module written
Remote total			10 sessions	75		Consolidated written assessment on completion
CS-01	Supervised write-blocked acquisition and hash verification on the unit's own analysis workstation and write-blocking hardware, and additionally on its acquisition and processing node at a District	Local, at the unit	1 day	7.5	SE-04; the unit commissioned	Observed
CS-02	Supervised host examination against a stated question on the unit's own equipment	Local	1 day	7.5	SE-05; CS-01	Observed
CS-03	Supervised mobile acquisition and analysis, and production of a triage package	Local	1 day	7.5	SE-06, SE-08; CS-01	Observed
CS-04	Registers, report and summary preparation, and the assessed practical at Table J.13	Local	1 day	7.5	CS-01 to CS-03	The assessed practical
Local total			4 working days	30		Practical countersigned by the Unit In-charge

The four local days are delivered by the unit's own in-person-trained examiner under the cascade obligation at section J.12, on the unit's own equipment set as listed there. They are not delivered remotely, not on training equipment at another location, and not discharged by a recording.

J.6 The Unit In-charge Course

Table J.5: Unit In-charge Course: modules, contact hours, prerequisites and assessment

Module	Title	Mode	Duration	Contact hours	Prerequisite	Assessment

Module	Title	Mode	Duration	Contact hours	Prerequisite	Assessment
UI-01	Classification, the criterion codes and reclassification; the no-quota rule and the uplift rule; authorisation of acquisition and examination	Remote	1 session	7.5	Holds the duty	End-of-module written
UI-02	The referral decision, the class gate, package preparation and referral out of the programme	Remote	1 session	7.5	UI-01	Case-paper exercise
UI-03	Review and countersignature; the statutory certificate; zone and removable-media control; the monthly return; cascade certification	Remote	1 session	7.5	UI-01	End-of-module written
Total			3 sessions	22.5		60%

J.7 The Custodian Course

Table J.6: Custodian Course: modules, contact hours, prerequisites and assessment

Module	Title	Mode	Duration	Contact hours	Prerequisite	Assessment
CU-01	Receipt, receipting, sealing and seal-stock control	Remote	1 session	7.5	Holds or relieves the duty	Written and practical on sealing
CU-02	Storage, case separation, movement records and the access register	Remote	1 session	7.5	CU-01	Written and register exercise
CU-03	Referral package preparation and despatch; receipt on return; hash and seal verification; release and disposal	Remote	1 session	7.5	CU-01, CU-02	Written and practical on despatch
Total			3 sessions	22.5		60% written and the practical assessed satisfactory

The track is delivered to one hundred and fifty duty places, being the Custodian and one nominated relief at each of the seventy-five field units.

J.8 The Headquarters Cadre Course

Fifteen working days at 7.5 contact hours a day: a common block of five days taken by every post, and a discipline block of ten days taken according to the post held at Annexure M. The nine discipline blocks run concurrently across the ten days, so the course occupies fifteen delivery days and not ninety-five, and the System Integrator provides an instructor for each of the nine blocks for the whole of that period.

Table J.7: Headquarters Cadre Course: the common block

Module	Title	Duration	Contact hours	Prerequisite	Assessment
HC-01	The design: capability layers, the three tiers, the referral model and the estate of seventy-six units	1 day	7.5	Deployed against a post; background verification complete	Written
HC-02	The referral register, acceptance or declining of a referral within the decision time, and allocation of referred work	1 day	7.5	HC-01	Written and register exercise
HC-03	Headquarters zoning, the out-of-band management domain, the crossing rule and removable-media control	1 day	7.5	HC-01	Written
HC-	The authorisation gate: the register, the record made before the attempt, the per-attempt	1 day	7.5	HC-01	Written and

Module	Title	Duration	Contact hours	Prerequisite	Assessment
04	record and its inspection				register exercise
HC-05	Quality, peer review, tool validation against a known-answer dataset, and the boundary on contracted staff	1 day	7.5	HC-01	Written
Common total		5 working days	37.5		60%

Table J.8: Headquarters Cadre Course: the discipline blocks and the posts that take each

Block	Title	Posts taking it	Duration	Contact hours	Assessment
HD-1	Host and computer forensics at laboratory grade, including credential and passphrase recovery under authorisation	P-02 to P-05	10 days	75	Discipline practical on Department-supplied material
HD-2	Mobile forensics and authorisation-gated access, including lawful cloud and account acquisition	P-06 to P-08	10 days	75	Discipline practical
HD-3	Online, overlay-network and virtual-asset investigation under managed non-attributable egress	P-09, P-10	10 days	75	Discipline practical
HD-4	Multi-operator and cross-case telecom analytics	P-11	10 days	75	Discipline practical
HD-5	Media processing, playback, authenticity and synthetic-media analysis	P-12	10 days	75	Discipline practical
HD-6	Platform, zoning, logging, time synchronisation, hardening, patching and backup administration	P-13, P-14	10 days	75	Administration practical
HD-7	Registry and custody: the authorisation register, the referral register, sealing and despatch, and returns consolidation	P-15, P-16, P-20	10 days	75	Register and custody practical
HD-8	Quality, validation, curriculum, assessment and cascade certification	P-01, P-17, P-18	10 days	75	Review and delivery assessment
HD-9	Support-desk operation within the published boundary, in Hindi and in English	P-19	10 days	75	Assessed call handling in both languages

J.9 Trainers: provision, certification, competence and notice

Trainers are provided by the System Integrator as part of SV-03 and are additional to the twenty posts of the Headquarters specialist cadre at MP-01. No post of that cadre may be counted towards, or deployed in discharge of, the training delivery obligation. Trainers may rotate between modules and batches, and the System Integrator is not required to field the same individual throughout. Every trainer shall be certified and demonstrably competent in the specific module delivered, holding either a current certification issued by the principal of the tool concerned or documented instructional experience in that discipline, and shall be fluent in the language of delivery. The System Integrator shall furnish the name, qualification, certification and module allocation of every trainer not less than fourteen days before the batch or cohort concerned, and the Department may require replacement of any trainer who does not meet this requirement, at no cost and without extending any date.

The particulars are furnished in the published format at Annexure N, Q-13, and entered in the training register. The obligation is measured at Chapter 13, SL-16, and a batch or cohort for which the particulars were not furnished within the period attracts a credit under that service level. The manpower boundary at MP-01 is read accordingly: the duty of a post of the Headquarters specialist cadre extends to bilingual assistance and refresher support at Headquarters, which does not include delivery of the training programme at SV-03. A bidder that prices training delivery against the twenty MP-01 posts has not priced SV-03, and the deployment record at HR-01 and HR-05 is measured against the cadre alone and is not satisfied by trainer attendance.

J.10 The in-person batch schedule against the rollout waves

The training laboratory is commissioned and accepted at month 4. The initial programme runs from month 5 to month 12, being eight months, or approximately one hundred and sixty-eight working days at twenty-one working days a month. The remote cohorts begin in month 5 and the first in-person batch in month 6; the in-person element completes in month 9.

Table J.9: In-person batch schedule, composition and wave alignment

Batch	Officers	Composition by rollout lot	Working days	Delivered in month	Seat-days consumed	Field units covered	First commissioning served
B1	28	14 Commissionerate examiners (2 for each of 7) and 14 District examiners of lot A	19, being 16 core plus 3 train-the-trainer	6	532	21	Wave W1, the first commissioning falling not earlier than thirty days after B1 completes
HQ	20 posts	Headquarters specialist cadre, common block and discipline blocks	15	7, the nine early-mobilisation posts being in place from month 6 and the eleven operations-period posts attending as nominated	300	Nil	Headquarters
B2	27	9 District examiners of lot A and 18 of lot B	19, being 16 plus 3	8	513	27	Wave W2, month 12
B3	27	5 District examiners of lot B and 22 of lot C	19, being 16 plus 3	9	513	27	Wave W3, month 14
All	82 officers and 20 posts	All 75 field units	72 delivery days	Months 6 to 9	1,858	75	

The Headquarters Cadre Course is delivered in month 7 and not earlier. The nine posts that mobilise early under Annexure M are in place from month 6, on acceptance of the Headquarters wave. The eleven posts of the operations tranche are nominated and attend the same course, and take up duty on mobilisation at month 16. The whole cadre is therefore certified before the earliest date on which a referred exhibit can reach Headquarters. Batch B1 is delivered in month 6 and not earlier, the Training Officer at Annexure M, post P-18 being in post from month 6 on acceptance of the Headquarters wave and that post owning the curriculum, the assessment instruments, attendance verification, train-the-trainer certification and the training register for every batch; batch B2 is delivered in month 8 in consequence. No batch and no course shares the laboratory with another, because a batch of twenty-seven or twenty-eight and a course of twenty posts together exceed the thirty learner positions the laboratory holds.

Table J.10: The arithmetic that proves the schedule fits

Measure	Computation	Result
Population	28 + 27 + 27	82 officers, being 1 per District and 2 per Commissionerate
Largest batch against capacity	28 against 30 learner positions	Within capacity, with 2 positions unoccupied
Hands-on concurrency per batch	28 learners, and 27, against not fewer than 30 concurrent entitlements of each hands-on licence class	Every batch takes every hands-on module as one undivided cohort; no batch divided and none extended
Delivery days, officer batches	19 + 19 + 19 working days	57 delivery days
Delivery days, all in-person tracks	57 + 15 for the cadre course	72 delivery days
Working days in the window	8 months multiplied by approximately 21 working days	Approximately 168
Laboratory occupancy	72 delivery days against approximately 168 available	43 per cent, leaving 96 working days of margin
Seat-days offered by the laboratory	30 positions multiplied by 168 working days	5,040 seat-days
Seat-days consumed	532 + 300 + 513 + 513	1,858, being 36.9 per cent

Measure	Computation	Result
District examiners trained	14 + 9 in lot A, 18 + 5 in lot B, 22 in lot C	23 + 23 + 22 = 68
Commissionerate examiners trained	2 for each of 7, all in B1	14
Completion of the in-person element	Batch B3 concludes in month 9	Within 5 months of laboratory acceptance
Completion of the whole initial programme	Remote cohort RC-8 concludes in month 12	Within 8 months of laboratory acceptance

Batch composition is set by the rollout. B1 carries the fourteen Commissionerate examiners and the first fourteen District examiners of lot A; B2 completes lot A and the greater part of lot B; B3 completes lot B and the whole of lot C. Every batch completes not less than thirty days before the first commissioning it serves, which is the gate at Chapter 11. A unit whose nominated examiner has not completed the core course is deferred from its wave: where the officer was not released, or the nomination was not made, the deferral is a departmental readiness matter attracting no damages under Chapter 11, Section 11.11; where the officer was released and attended but did not complete, the unit is deferred to the next batch or intake week, the System Integrator's obligations for that unit are tolled for the deferral, and the re-assessment and re-run entitlements at section J.14 apply. The margin between 72 delivery days and approximately 168 available working days is not slack to be re-priced: it carries the re-run entitlement at section J.14, the catch-up sessions at section J.11 and the sustaining programme at section J.13.

Thirty learner endpoints are supplied, and every one of them is fully equipped in hardware and in software alike. A learner endpoint is a working desk with its own computer, display, keyboard and pointing device, and each carries the whole training instance set deployed in the laboratory, being the training instances of the host, mobile and telecom tools and of every other class delivered hands-on; the instructor endpoint is equipped to not less than the same specification. The laboratory carries not fewer than thirty concurrent entitlements of every hands-on licence class, so that all thirty learners may be in any one tool at the same moment, and the seat-day arithmetic above counts positions each of which carries the whole capability. A batch of twenty-eight, and a batch of twenty-seven, therefore takes every hands-on module of Block C as one undivided cohort: no batch is divided, no group of learners takes a hands-on class in turn while the rest work elsewhere, and no batch is extended. The laboratory holds thirty training device sets, being not fewer than thirty portable write blockers, thirty training storage devices spanning the rotating and the solid-state classes and thirty training handsets across the prevalent mobile operating-system families, with their cable, adapter and card sets, so that each learner works on a device set of the learner's own; no training device holds evidential data. The room is one training network, administered as a single training segment with one instruction point serving all thirty learner endpoints and the instructor endpoint together, with no path to any evidential zone; no divided arrangement is required and none is priced. Every figure in this paragraph is specified at Chapter 10, Section 10.5.5 and verified at laboratory acceptance under Annexure B. A bidder prices thirty equipped endpoints and thirty concurrent entitlements of each class, and a lesser number is not accepted.

The durations published in this annexure are curriculum durations. Each block of the Core Examiner Course runs for the sum of the durations of its own modules at Table J.2, and its contact hours are the sum of theirs: Block A three days and 22.5 hours, Block B two days and 15 hours, Block C eight days and 60 hours, and Block D three days and 22.5 hours, being sixteen working days and 120 contact hours in all; the Train-the-Trainer track is the sum of TT-01 to TT-05 at Table J.3, being three working days and 22.5 hours; and the Headquarters Cadre Course is the five-day common block and the ten-day discipline block at Tables J.7 and J.8. No module's duration, sequence or repetition was set by a limit on entitlements, and no day was added to any block to allow a second group of learners to take a module again. The removal of that limit therefore returns schedule margin and freedom of sequence within Block C, and not a shorter course: every duration, delivery-day count and seat-day figure at Tables J.9 and J.10 stands unchanged.

J.11 The remote session plan

Table J.11: Remote delivery specification

Element	Requirement
Platform class	A departmentally approved conferencing service reached from the Controlled Internet Zone of the unit. No evidential artefact is presented, transmitted or stored on it; it has no connection to any Evidence Processing Zone; recordings and attendance data are held on Government-controlled infrastructure inside India

Element	Requirement
Session structure	One session per module of 7.5 contact hours: 30 minutes of recapitulation and prior-module assessment; three instructional blocks of 60 minutes; two demonstration blocks of 45 minutes; 90 minutes of guided exercise on the unit's own equipment; 30 minutes of questions and consolidation; 30 minutes of end-of-module assessment. Breaks are additional to contact hours
Session size	Not more than 50 learners in any session. The count of learner positions in the training laboratory does not constrain a remote session: the session is delivered to officers seated at their own units and consumes the instructor position and the separately connected Controlled Internet Zone endpoint from which it is delivered, and no learner position
Cohorts	8 cohorts, composed by unit and sequenced at Table J.12
Session deliveries	Secondary Examiner Course 10 modules for each of 8 cohorts = 80; Unit In-charge Course 3 for each of 8 = 24; Custodian Course 3 for each of 8 = 24; 128 session-deliveries across the window
Attendance verification	A named individual credential per officer, neither shared nor transferable; join and leave times logged per participant; two randomised roll-calls per session requiring a response within five minutes; a session counts only where the officer is present for not less than 90 per cent of contact time; the Unit In-charge certifies unit attendance in the monthly return
Assessment	An end-of-module written assessment taken within the session; a consolidated written assessment on completion of the track; and, on the secondary examiner track, the local practical at Table J.13
Materials	Learner handbook, laboratory guide and standard operating procedure extracts, issued in Hindi and in English in an open editable format with a signed portable-format copy, distributed before each session and retained at the unit
Recording	Every session recorded and retained for the contract term. A recording is a reference copy and does not discharge attendance at any module
Catch-up	Each module re-delivered live once per cohort within the window for officers who missed it
Hands-on	Not attempted remotely. Consolidated at the in-person track and cascaded locally under section J.12
Connectivity failure	A session lost to failure of the departmentally provided internet service at a unit is re-delivered at no charge, is not counted against the catch-up entitlement, and is recorded in that unit's monthly return
Livestream, an additional mechanism	The training laboratory can livestream any session it delivers, vision, sound and the instructor's screen together, to officers at the field units, received at each unit over that unit's own Controlled Internet Zone endpoint, on a platform and licences the System Integrator supplies within IN-04 for the full contract term at no additional charge and sized so that all 75 field units may receive the same session at the same time, as specified at Chapter 10, IN-04.14. It originates from the separately connected Controlled Internet Zone endpoint of the laboratory, holds no path to any learner segment or to any evidential zone, and consumes the instructor position and that endpoint and no learner position. It is a delivery mechanism and not a track: it carries no curriculum, no assessment, no attendance obligation and no certificate of its own; it does not discharge any module, session, cohort or obligation of the structured remote track at Table J.1, Table J.4, Table J.5 or Table J.6; and no module of any track is substituted by it

Table J.12: Remote cohort composition, calendar and wave alignment

Cohort	Units	Secondary examiners	Unit In-charge places	Custodian places	Rollout lots served	Sessions begin, month	Track complete by month
RC-1	7 Commissionerates	35	7	14	W1	5	6
RC-2	10 Districts	50	10	20	W2 lot A	5	7
RC-3	10 Districts	50	10	20	W2 lot A	6	8
RC-4	10 Districts: 3 of lot A, 7 of lot B	50	10	20	W2 lot A, W3 lot B	6	8
RC-5	10 Districts	50	10	20	W3 lot B	7	9
RC-6	10 Districts: 6 of lot B, 4 of lot C	50	10	20	W3 lot B, W4 lot C	8	10
RC-7	9 Districts	45	9	18	W4 lot C	9	11
RC-8	9 Districts	45	9	18	W4 lot C	10	12
All cohorts	75 field units	375	75	150	All waves		12

A cohort is composed by unit, so every officer of a unit is trained together and a unit's Unit In-charge, its Custodian and relief and its five secondary examiners complete against the same lot. A cohort spanning two lots is delivered against the earlier lot's first commissioning date. Cohorts are composed from the named units and delivery lots at Annexure A, in the counts and lot allocation fixed by Table J.12; the named composition of each cohort and the session calendar state the date and time of every one of the 128 session-deliveries, and are issued before the first session and re-issued on any change.

J.12 The cascade obligation, the practical assessment and its countersignature

Hands-on competence is produced in two places only: at the in-person track, on the training device sets in the laboratory; and at the unit, on the unit's own equipment, by the officer who attended in person. Neither a remote session nor a livestream produces it. The cascade is a contracted deliverable.

Within thirty days of a unit's commissioning, its in-person-trained examiner delivers to its five secondary examiners the four supervised working days of hands-on instruction at the unit, being thirty contact hours and modules CS-01 to CS-04, on the unit's own equipment: its analysis workstation, its write-blocking hardware and its on-scene response kit, together with its acquisition and processing node at a District and its bench imager and second analysis workstation at a Commissionerate. The cascade follows the cascade plan accepted at TT-02. Each secondary examiner is then assessed on the published practical instrument.

Table J.13: The cascade practical assessment instrument

Task	What the candidate performs	Evidence produced	Marks	Sub-minimum
CP-1	A supervised acquisition of a supplied source through hardware write-blocking, with hash computation and verification against the source	Acquisition log, acquisition certificate, matching hash values	25	60%; an acquisition that fails hash discipline is not curable by marks elsewhere
CP-2	An examination of the acquired image against a stated question, recovering the artefact classes the question requires	Examination working notes and the artefacts identified, with their locations	25	None
CP-3	Production of a bounded triage package and the investigating-officer summary, stating what was searched, what was found and what was not searched and why	Hashed, case-bound triage package and the summary	25	None
CP-4	Correct completion of the exhibit, custody, triage and crossing register entries, and a statement of limitations in the report	Register entries and the statement of limitations	25	None
Total			100	Pass at 60 aggregate and not less than 60% in CP-1

Table J.14: The countersignature and record-return procedure

Step	Who performs it	Within	Record produced
Delivery of CS-01 to CS-04 at the unit	The unit's in-person-trained examiner	30 days of the unit's commissioning	Cascade delivery record naming the days, the equipment used and the officers present
Assessment of each secondary examiner on CP-1 to CP-4	The unit's in-person-trained examiner	On completion of CS-04	A completed marking sheet per candidate against the published scheme
Countersignature of each marking sheet	The Unit In-charge	5 working days of assessment	The countersigned marking sheet, carrying the officer's identity, designation and date
Return of the countersigned set to Headquarters	The Unit In-charge	10 working days of assessment	Transmission record; entry in the training register held by the Training Officer
Entry of the certified count in the monthly return	The Unit In-charge	The certified return for the month	The trained-establishment line of the monthly certified return at Annexure E
Re-assessment where a candidate does not pass	The unit's in-person-trained examiner, with remote assistance from the System Integrator	30 days of the first assessment	A second marking sheet, countersigned and returned in the same way
Re-delivery where a cascade fails at a unit	The System Integrator, at its own cost, by re-delivery of the affected remote modules and by supported re-cascade	45 days of the failure being reported	Re-delivery record and fresh countersigned marking sheets

The Unit In-charge who countersigns is the officer who certifies the monthly return in which the count appears. The System Integrator distributes the published cascade plan template, the published assessment instrument and its marking scheme, supplies the bilingual materials and remote assistance, and re-delivers at its own cost where a cascade fails; it does not devise the instrument or the marking scheme, does not perform the assessment and does not countersign.

The measure is five certified secondary examiners at every field unit within ninety days of that unit's commissioning. The count is reported in the monthly certified return, is a published indicator at Annexure E, and a unit below the measure is a triggered row of the delivery-phase risk register at Chapter 11, Table 11.7,

carrying re-delivery at the System Integrator's cost and the reporting of that unit's position in the annual capacity review.

J.13 Refreshers, new postings and the sustaining programme

Table J.15: The sustaining programme across the thirty-six-month operations period

Provision	Audience	Mode and duration	Content	Frequency	Assessment
Refresher for secondary examiners	All certified secondary examiners	Remote, 2 sessions, 15 contact hours	Changes in the triage standard; changes in method; the year's recurring errors drawn from quality review; register and return discipline	Annually	Written; a fail requires repetition of the affected module
Refresher and re-certification for primary examiners	All 82 in-person-trained primary examiners	In person, 3 working days, 22.5 contact hours, in three cohorts of not more than 30, being 28, 27 and 27	Consolidation across host, mobile and telecom work on current material; reporting and limitations; the cascade obligation for the year ahead	Annually, one cohort in each of the three scheduled in-person intake weeks	Written and practical; re-certification recorded in the training register
New-posting course, Examiner and Custodian duties	Officers newly posted to a duty	Cascade at the unit, on the published instrument	The modules of the duty's track, delivered locally	Within 90 days of posting	The cascade practical at Table J.13, countersigned
New-posting course, primary examiner and Unit In-charge	Officers replacing a unit's primary examiner or Unit In-charge	For a replacement Unit In-charge, remotely on the three-session Unit In-charge Course. For a replacement primary examiner, in person as a full nineteen-day delivery of the Core Examiner Course and the Train-the-Trainer track, beginning inside the ninety-day period; the two or three learner positions a scheduled intake week's refresher cohort leaves free carry only those officers whose track fits within the week. The System Integrator delivers not fewer than one additional nineteen-day core course in each contract year in which the number of replacement primary examiners exceeds the positions the scheduled weeks carry	Core Examiner Course and Train-the-Trainer, or the Unit In-charge Course	Three scheduled intake weeks a year, and attendance within 90 days of posting	As for the initial track
Tool-update briefing	Examiners at every unit holding the affected item	Remote, 1 session per affected item	What changed, what it means for method, and what it means for the report	On any major version change delivered under support	Attendance verified; no separate assessment
Curriculum review	Technical Committee, with the Training Officer	Documentary	Tool changes, changes in the triage standard, and the findings of the annual capacity review	Annually	Revised material issued in both languages inside the contracted delivery obligation

Three scheduled in-person intake weeks are delivered in each contract year. Eighty-two primary examiners, in refresher cohorts of not more than the laboratory's thirty positions, are three cohorts of 28, 27 and 27 at three working days each, being nine delivery days a year on the refresher alone. Each intake week carries one refresher cohort and, in the two or three positions that cohort leaves free, the officers newly posted as primary examiners or as Unit In-charges since the last intake week. The three weeks are a delivery obligation of the training head and are measured at Chapter 13, SL-16: the intake-week delivery record is the evidence, and a week not delivered in the contract year attracts a service credit. Where the requirement exceeds what the scheduled weeks carry, or where the next scheduled week falls outside ninety days of a posting, the additional nineteen-day core course at Table J.15 is the mechanism. The laboratory is sized for this sustaining programme across the whole of the thirty-six-month operations period.

J.14 Assessment governance, certification, re-runs and records

- Assessment is against published instruments and published marking schemes, on Department-supplied material, and the bidder neither devises the assessment nor marks against a scheme of its own. The pass criterion is 60 per cent in each assessed component of a track, both components being required where a track has two. An officer who does not pass is entitled to one re-assessment within thirty days at no cost to the Department. The completion criterion for a batch or cohort is that not less than 85 per cent of its participants pass at first attempt; where a batch or cohort falls below it, one re-run is delivered at the System Integrator's cost and any further re-run is chargeable under the variation clause at Chapter 14.
- A certificate is issued per officer per track, in Hindi and in English, naming the track, the modules completed, the contact hours, the assessment results and the date. The training register held by the Training Officer carries attendance, assessment results, certificates, countersigned cascade marking sheets, trainer particulars and re-assessment records for every officer and every post, and is retained under Annexure L.
- The Department provides the room, air conditioning, lighting, power and departmental internet service for the training laboratory, makes it available for every scheduled delivery, nominates and releases officers, and bears participant travel and subsistence. The quality and training function at Headquarters owns the curriculum, the assessment instruments, the marking schemes, the assessment datasets, attendance verification and train-the-trainer certification, without itself teaching, and the bidder neither devises nor varies any of them. The System Integrator supplies, installs and maintains the training laboratory equipment, being its thirty fully equipped learner endpoints and its instructor endpoint, its thirty concurrent entitlements of each hands-on licence class, its thirty training device sets and its livestream platform and licences, as a contracted deliverable accepted at month 4, and provides trainers under section J.9, learner materials and their translation, the operation of attendance verification, the certification records and all delivery in both modes and both languages, delivery and the operation and support of the livestream platform remaining contracted obligations for the whole of the term.
- All training material, laboratory guides, standard operating procedure extracts, assessment instruments and certificates are produced in Hindi and in English, translation being inside the contract and not a separate charge. Instruction is delivered bilingually, and Hindi is mandatory for every training-delivering post and for every trainer furnished under section J.9. Materials are handed over in an open editable format with a signed portable-format copy, and the Department may reproduce and continue to use every training artefact after the contract term without further charge.

Annexure K: Governance Responsibility Matrix

K.1 What this Annexure fixes, and the rules that govern every row

This Annexure names the bodies and roles with which the System Integrator deals, states the decisions it needs taken and who takes each, fixes the maximum time for each, and states what follows if it is not taken in that time. Activities internal to the Department, and the full responsibility grid across every departmental duty, are departmental instruments and are not published in this Request for Proposal. In Table K.3: D decides and is accountable, the decision recorded against that party's identity; P performs; V verifies or countersigns without performing; C contributes material, assistance or a recommendation without deciding; I is informed on the record. Six rules govern every row.

- No activity has more than one deciding party; where a row shows a decision code against more than one party they decide different things and the row states which.
- Every evidential action is decided, signed and certified inside the Department: final forensic opinions, evidentiary conclusions, statutory certificates, written disposal orders and report sign-off remain with authorised Government officers.
- No contracted person authorises an authorisation-gated capability, signs a statutory certificate or appears as a witness.
- The System Integrator appears against installation, maintenance, training delivery, documentation and support and against nothing else; in a casework row it appears as informed, or as contributing within a stated boundary.
- A decision not taken within the maximum decision time at Table K.1 escalates to the next body and is never deemed to have been taken.
- There is no deemed acceptance, at any stage and in any circumstances.

K.2 The bodies and roles the System Integrator deals with

Table K.1: Bodies and roles, what each decides, and its maximum decision time

Code	Body or role	What it decides in relation to the System Integrator	Maximum decision time
DEPT	The Department, through the Programme Director, CIDAL	Sanction, budget and establishment; appointment of the Independent Auditor; final commissioning; acceptance of the annual capacity review; any matter escalated from a body below	30 working days
APC	CIDAL Apex Procurement Committee	The tender and its annexures; the evaluation outcome and award; contract amendments with financial effect; class CC-2 and CC-3 changes; any re-sizing on a published trigger at Chapter 3, Table 3.6; the meaning and implication of any discrepancy, inconsistency, ambiguity or conflict in this Request for Proposal	20 working days from a complete proposal
TC	Technical Committee	Advisory only, no direction authority: recommendations on specifications, technical evaluation, a disputed test, the quarterly consolidated return and re-sizing, made to the APC	15 working days to recommend
PMU	Programme Management Unit	Day-to-day direction of the System Integrator; sequencing within a published gate; site-readiness certification; class CC-1 changes; non-conformance notices; service credits and disputes against them. No authority to waive any acceptance criterion	10 working days
WDAC	Wave Delivery and Acceptance Committee	Site acceptance unit by unit; classification of every non-conformance as minor or major; issue of the wave acceptance certificate releasing that wave's payment tranche. The System Integrator's project manager attends for the wave, without a vote	10 working days for site acceptance after testing; 15 for a wave acceptance certificate
IA	Independent Auditor	Assurance only, no direction authority: verification of acceptance evidence, of the service-credit computation, of compliance and of the authorisation register, and the annual audit of retention applied at every tier against the schedule at Annexure L. Appointed and paid by the Department outside the System Integrator's contract	20 working days to issue a report
LH	Headquarters CIDAL Laboratory, headed by an authorised officer of the	Acceptance or declining of a referral; allocation and issue of referred work; tool validation; quality review; training certification; custody of the authorisation register	1 working day from hash verification to accept or decline a

Code	Body or role	What it decides in relation to the System Integrator	Maximum decision time
	Department in whom its statutory functions vest		referral
UIC	Unit In-charge, at each of the 75 field units	Classification; authorisation of acquisition and examination; referral; review and countersignature; certification of the monthly return; escorted access to the unit; every disposal at the unit	As published for the activity
SUP	The officer supervising the unit, outside the unit	Exception reports, incident reports and the review of last resort for that unit	As published for the activity

K.3 The decisions the System Integrator needs taken, and their clocks

Table K.2: Decisions on which the System Integrator depends, the deciding party, the clock and the consequence

#	Decision or determination	Decided by	Clock, and the record or consequence
N-01	Assessment that a notice of readiness is complete	PMU	3 working days from receipt; a notice not assessed in that period is taken to be complete and the clock runs from receipt. Written statement of every particular found wanting
N-02	Site-readiness joint verification before a unit's scheduled deployment	PMU, on the Unit In-charge's certification	At the verification held 60 days before the scheduled deployment date. Certified checklist; a not-ready certification gives deferral without damages and re-sequencing, from which the System Integrator acquires no claim
N-03	Completion of pre-dispatch inspection of a batch offered	WDAC, PMU performing	10 working days from a complete notice of readiness
N-04	Completion of delivery inspection at a unit	WDAC	15 working days from delivery
N-05	Verification of a unit's installation and configuration record	WDAC, PMU performing	10 working days from written notice that the unit is ready
N-06	Commencement and completion of site acceptance testing	WDAC	15 working days from closure of the installation and configuration record
N-07	Issue of the site acceptance certificate	WDAC	10 working days after successful completion of testing
N-07A	Issue of the training-laboratory acceptance certificate	WDAC	10 working days after successful completion of test H-7 and acceptance tests AT-41 and AT-53, and in any event not later than programme month 4
N-08	Classification of a non-conformance as minor or major	WDAC, and it alone, at every stage	At the stage at which it is raised. The notice carries the closure clock: 7 working days for a minor and 21 for a major, from the date raised
N-09	Closure of a non-conformance	WDAC verifying; System Integrator performing	Within the clock at N-08. Every major non-conformance in a wave is closed before that wave is accepted; open minor items are carried on the certificate with their closure dates. Register with dates raised, due and closed
N-10	Issue of the wave acceptance certificate	WDAC	15 working days after the last site acceptance certificate in the wave. It releases that wave's payment tranche
N-11	Issue of the final commissioning certificate across all 76 units	DEPT, on WDAC certification and APC approval	15 working days after the last wave acceptance certificate
N-12	Change request of class CC-1, having no effect on scope, quantity, specification, a published gate or commercial terms	PMU	10 working days. Change record
N-13	Change request of class CC-2, a change with limited commercial effect	APC, on a TC recommendation issued within 15 working days	20 working days from a complete proposal. Recommendation; approved change record
N-14	Change request of class CC-3, and any re-sizing on a published trigger at Chapter 3, Table 3.6	APC; DEPT where sanction, budget or establishment is affected	20 working days; 30 where it passes to the Department. Approved change; corrigendum where the tender is affected

#	Decision or determination	Decided by	Clock, and the record or consequence
N-15	Determination of a service credit	PMU, IA verifying quarterly	Against the certified monthly service report for the month. Credit determination with the evidence set at Chapter 13; the auditor's quarterly report on the computation
N-16	Decision of a dispute raised against a service-credit determination	PMU, IA verifying	Within the maximum decision time for that body. A credit under dispute is withheld from the invoice for the category concerned pending the decision and is released or retained according to it. The decision is recorded against the determination with the evidence relied on
N-17	Acceptance or declining of a referral received at Headquarters	LH	1 working day from hash verification. Acceptance or declining record on the referral register

K.4 Activities in which the System Integrator is a party

Table K.3: Responsibility rows involving the System Integrator

#	Activity	Decides	Performs	The System Integrator's part, and the record
N-18	Escorted attendance of a supplier engineer at a field unit	UIC	System Integrator	P, under escort, in the presence of the Unit In-charge or the Examiner, without operating credentials, and only against an entry made in the access register before entry. Access register entry; signed visit record naming the officer present throughout
N-19	Remote assistance on a non-evidential symptom	UIC	The unit's own officer, guided	C. The desk may not connect to a machine holding case evidence, may not view, receive, transmit or store an evidential artefact, may not make or influence a forensic finding, and holds no credentials to any evidence-processing system at any field unit. Ticket record; guided-assistance note naming the officer assisted; every declined request listed with its reason in the monthly service report
N-20	Import of updates, patches and signature, definition and licence packages by the single crossing	UIC	Examiner, the Unit In-charge verifying	C, supplying the package. Crossing entry with direction, contents and hash on write and on read, against which the patch record is matched for SL-09, with both sanitisation records
N-21	Delivery of every training track in both modes and both languages, and any re-cascade or re-run	Training Officer verifying; PMU for a re-run	System Integrator	P, providing the trainers under SV-03, additional to the twenty posts at MP-01; a re-cascade and one re-run per failed batch or cohort at its own cost. Session records; attendance verified by the published method and not by self-declaration; fresh countersigned marking sheets
N-22	Monthly service report, and exit, knowledge transfer and the evidence-custody continuity plan	System Integrator for the report, PMU verifying; DEPT for exit	System Integrator	P. Certified monthly service report by the fifth working day of the following month; the nine exit deliverables at Chapter 13, verified by the PMU and the Independent Auditor

K.5 The escalation path

- Escalation runs upward and is never satisfied by inaction. A matter not decided within the maximum decision time at Table K.1 passes to the next body and is never deemed to have been decided.
- On expiry of any departmental clock at Chapter 18, Table 18.8, whether or not restated at Table K.2, the System Integrator's delivery-schedule obligations and liquidated-damages exposure for the affected units are tolled for the period of the delay, no service credit arises against it for that period, and the matter escalates automatically to the Apex Procurement Committee, which decides within its published decision

time. Tolling does not run where the notice of readiness was incomplete, where the goods or the site were not available for the test, or where the delay arises from the System Integrator's own act.

- On the service side the ladder runs by elapsed time and by repetition: breach of a response clock is reported to the service delivery manager and to the Programme Management Unit; breach of a restoration clock brings in the Programme Management Unit and the officer supervising the unit, with a written recovery plan carrying a dated commitment; a second breach in the same month at the same unit or post is reported to the Technical Committee; and breach of the same service level in three consecutive months goes to the Apex Procurement Committee, outside and in addition to the caps, with a written improvement plan and a deadline, and exposure to encashment of the performance security in part or to termination for default.
- At a field unit an exception or an incident is reported to the officer supervising that unit, who is also the reviewer of last resort.

Annexure L: Data Retention and Disposal Schedule

L.1 Standing of this schedule and the rules that govern every row

For every class of artefact the programme produces or holds, this Annexure fixes the retention period, the medium, the custodian and the disposal method, and no other retention period governs anywhere in this Request for Proposal. The class is a field in the Case and Evidence Management System, assigned when the artefact is created; the period stated is a minimum; the custodian is the duty or role accountable for the artefact; the disposal method is a code at Table L.7, which fixes the method, its verification and the record it produces. "The unit register" means the unit's standalone Case and Evidence Management System instance, backed up daily to encrypted removable media; "the Holding Zone" means the Physical Evidence Holding Zone. Five rules govern every row.

- Every artefact has a class, and every class a period, a medium, a custodian and a disposal method; an artefact fitting no class is retained on the longest period applying to any artefact of the same case until the Unit In-charge assigns it a class on the record.
- Nothing is disposed of except on a written order, made by the Unit In-charge at a field unit or by the Laboratory Head at Headquarters, recorded against the schedule row relied on, and only after the case has been finally disposed of and the period has expired; an original exhibit is released or destroyed only on the order of the competent authority, and the authorisation register and the authorisation-gated capability log only on the written order of the Department after inspection.
- A direction to retain overrides the schedule.
- Every disposal produces a certificate identifying the artefact, the method, the officer and the date, and that certificate is itself retained.
- No storage device that has held evidential data leaves departmental custody: it is never returned to a supplier under warranty or otherwise, and a warranty obligation is discharged by supply of the replacement without return of the medium.

Periods run from the event named in the row, not from creation. "Life of the case" means until the case is finally disposed of, including the exhaustion or expiry of every period for appeal or revision known to the unit; where that date is not ascertainable at the unit the period runs from the date the unit records the conclusion of the trial, and the record states which basis was used.

L.2 Evidential artefacts

Table L.1: Evidential artefacts

Class	Artefact	Retention period	Medium	Custodian	Disposal
EV-01	Original exhibit, seized and received	Life of the case. Released or destroyed only on the order of the competent authority	Sealed cabinet in the Holding Zone	Custodian at the originating unit	DM-1, or DM-5 on that order
EV-02	Verified forensic image on working storage, case under examination	Until the report or summary is issued, plus the tier's target residency of 20 working days at a District, 15 at a Commissionerate, 30 at Headquarters	Unit working storage, encrypted at rest	Examiner, under the Unit In-charge	DM-3, after the archival copy is hash-verified
EV-03	Archival copy of a verified image, preserved exhibit under treatment T-C	Life of the case plus 5 years, or until reclassification restores it to working storage	Removable archival media, stated shelf life not less than 10 years, in the Holding Zone	Custodian; Examiner responsible for the write and its verification	DM-4
EV-04	Archival copy of a verified image, case examined under treatment T-A or T-B	Life of the case plus 5 years	As EV-03	As EV-03	DM-4
EV-05	Working copies and derived artefacts: extracted sets,	Until the report or summary is issued and the review closed, and not beyond the tier residency at EV-02	Unit working storage	Examiner	DM-3, against a

Class	Artefact	Retention period	Medium	Custodian	Disposal
	decoded artefacts, indexes, carved output	thereafter, unless the Unit In-charge records a reason			sanitisation certificate
EV-06	Hashed, case-bound triage package under treatment T-B	Life of the case plus 5 years	Archival media, reference recorded against the exhibit	Custodian	DM-4
EV-07	Referred exhibit or its verified image, while at Headquarters	Until the referred examination is issued and the exhibit returned; the Headquarters copy of the image thereafter for 10 years	Headquarters storage platform; archival media for the retained copy	Evidence Custodian and Referral Register Officer	DM-3 working set; DM-4 archival media
EV-08	Audio-video record of search and seizure received as an exhibit	As the class to which it belongs: EV-01 for the original, EV-03 or EV-04 for its verified image	As EV-01 and EV-03	Custodian	As EV-01 and EV-03
EV-09	Transfer media carrying a verified image on referral, after return	Sanitised within 5 working days of the return of the package and the hash re-verification	Sealed in the Holding Zone until sanitised	Custodian	DM-3, or DM-4 where sanitisation fails
EV-10	Partial image where an acquisition was closed under Chapter 6, Section 6.14, marked partial and never examined	Until the re-run image is verified against the source, and not beyond 5 working days thereafter. Its record, carrying the bytes written, the hash computed over them, the acquisition log and the marking, is retained for the life of the case plus 5 years	Unit working storage; the record in the unit register	Examiner, under the Unit In-charge	DM-3 for the image; DM-6 for the record at expiry

The archival rule at EV-03 is load-bearing: a preserved exhibit's verified image is written to archival media, hash-verified against the acquisition hash and removed from working storage within five working days of acquisition.

L.3 Reports, certificates and summaries

Table L.2: Reports, certificates and summaries

Class	Artefact	Retention period	Medium	Custodian	Disposal
RP-01	Examination report under treatment T-A, with its statement of limitations	Life of the case plus 5 years	Unit register, with a signed printed copy on the case file	Unit In-charge	DM-6 record; DM-2 printed copy
RP-02	Investigating-officer summary under treatment T-B	Life of the case plus 5 years	As RP-01	Unit In-charge	As RP-01
RP-03	Acquisition certificate under any treatment, including T-C	Life of the case plus 5 years	As RP-01	Unit In-charge	As RP-01
RP-04	The unit's copy of the statutory certificate accompanying an electronic record produced in a proceeding	Life of the case plus 5 years	As RP-01	Unit In-charge	As RP-01
RP-05	Quality-review record and countersignature	Life of the case plus 5 years	Unit register	Unit In-charge	DM-6
RP-06	Referred-examination report issued by Headquarters to an originating unit	10 years at Headquarters; at the originating unit, life of the case plus 5 years	Headquarters report repository; the unit's register	Laboratory Head; Unit In-charge at the originating unit	DM-6
RP-07	Court-file export produced for production	Until the proceeding concludes; the underlying records govern thereafter	Open-format export on removable media, sealed	Custodian	DM-4 for the medium
RP-08	Incident report, including a hash mismatch, a broken seal or an unaccounted item	Life of the case plus 5 years, and not less than 5 years from the incident	Unit register	Unit In-charge	DM-6

L.4 Registers and case records

Table L.3: Registers and case records

Class	Artefact	Retention period	Medium	Custodian	Disposal

Class	Artefact	Retention period	Medium	Custodian	Disposal
RG-01	Case, exhibit and custody records at a field unit	Life of the case plus 5 years	Unit register	Unit In-charge	DM-6
RG-02	Chain-of-custody and movement register entries	Life of the case plus 5 years	Unit register	Custodian, under the Unit In-charge	DM-6
RG-03	Triage and Priority Register entries, with every reclassification and its reason	Life of the case plus 5 years	Unit register	Unit In-charge	DM-6
RG-04	Headquarters referral register entries	10 years	Headquarters storage platform, with the immutable audit log	Evidence Custodian and Referral Register Officer	DM-6, on the written order of the Laboratory Head
RG-05	Authorisation register and the per-attempt, per-acquisition and per-job records	10 years	Separately administered immutable storage in the Authorisation-Gated Capability Zone	Authorisation Register Officer	DM-6, on the written order of the Department after inspection
RG-06	Removable-media crossing register and its sanitisation records	3 years	Unit register	Unit In-charge	DM-6
RG-07	Seal stock register and monthly reconciliation	3 years	Unit register	Custodian	DM-6
RG-08	Zone access register and visitor record	3 years	Unit record in the Holding Zone	Unit In-charge	DM-2
RG-09	Clock verification records for the Evidence Processing Zone	3 years; life of the case plus 5 years for entries bound to an acquisition	Unit register	Examiner, under the Unit In-charge	DM-6
RG-10	Disposal approvals and destruction certificates	10 years	Unit register, with the signed printed certificate on file	Custodian, countersigned by the Unit In-charge	DM-2 printed copy; DM-6 record

The referral register at RG-04 is retained for ten years because, there being no synchronisation of any kind, it is the only record reconcilable between Headquarters and a field unit.

L.5 Logs

Table L.4: Log classes

Class	Log	Retention period	Medium	Custodian	Disposal
LG-01	Evidential action log at all 76 units	Life of the case plus 5 years, append-only and immutable	Write-once storage within the register instance	Unit In-charge; Laboratory Head at Headquarters	DM-6, on written order, the deletion itself logged
LG-02	Operator session log at every machine in the Evidence Processing Zone: the analysis workstation, and the acquisition and processing node at a District	3 years; life of the case plus 5 years for entries bound to a case	Tamper-evident local storage, not editable by the operator	Examiner, under the Unit In-charge	DM-6
LG-03	Removable-media crossing log	3 years	Unit register, append-only	Unit In-charge	DM-6
LG-04	Administrative and security log	Not less than 180 rolling days on line within India, archived for the balance of the contract term	Central write-once collection at Headquarters; tamper-evident local storage at a field unit	Infrastructure and Security Administrator; Unit In-charge at a field unit	DM-6
LG-05	Authorisation-gated capability log	10 years, immutable and separately administered	Storage within the Authorisation-Gated Capability Zone	Authorisation Register Officer	DM-6, on the written order of the Departm ent
LG-	Support-desk ticket record	Contract term plus 5 years	Headquarters ticketing record,	Support Desk Officer	DM-6

Class	Log	Retention period	Medium	Custodian	Disposal
06			append-only		
LG-07	Backup and restore-test records, including quarterly restore tests	Contract term plus 5 years	Headquarters records	Infrastructure and Security Administrator	DM-6

A log entry may not be edited or deleted by any operating or administrative identity within its retention period; a correction is a superseding entry that preserves the original. Immutable log storage is unconditional and is not qualified by feasibility, cost, tier or any bidder determination.

L.6 Removable media, crossing media and their sanitisation

Table L.5: Removable media: retention in service, sanitisation and disposal

Class	Medium	Retention in service	Sanitisation obligation	Custodian	Disposal
MD-01	Crossing medium, import purpose: signature, definition and licence updates into the Evidence Processing Zone	In the unit's media pool for the term, or until sanitisation fails	Sanitised before and after every use by the published method, each sanitisation recorded with method, officer, date and result	Unit In-charge, who issues it from the register	DM-4 on withdrawal, against certificate
MD-02	Crossing medium, export purpose: completed reports, summaries and manifests out of that Zone	As MD-01. Single-purpose; never used for import	As MD-01, with a read-back verification after sanitisation	Unit In-charge	DM-4 on withdrawal
MD-03	Crossing medium whose sanitisation fails on any occasion	Withdrawn from the pool immediately on the failed result	Not re-used; not re-sanitised for return to service	Unit In-charge	DM-4, against certificate, the failure recorded in the crossing register and the monthly return
MD-04	Transfer medium carrying a verified image on referral	Sealed until the package returns and hashes are re-verified	Sanitised within 5 working days of the return	Custodian	DM-3, or DM-4 where sanitisation fails
MD-05	Backup medium holding the backup of the unit register	Rolling: the daily set for 30 days, the weekly copy for 12 months	Sanitised on rotation out of the set	Custodian, in the Holding Zone	DM-3 rotation; DM-4 end of life
MD-06	Archival medium holding a preserved or examined image	The retention period of the artefact it holds, at Table L.1	Not sanitised while in retention	Custodian	DM-4 at expiry of that period
MD-07	Storage device withdrawn from service having held evidential data, including one replaced under warranty	Retained by the Department from withdrawal until destruction	Not applicable	Custodian, with a movement register entry	DM-4. Never returned to the supplier
MD-08	Training media and datasets used in the laboratory or in a cascade	Contract term. Non-evidential throughout	Sanitised between cohorts where a candidate's output persists on the medium	Training Officer; Examiner at a unit	DM-3
MD-09	Blank target and archival media held as consumable stock	Held until issued	Verified blank on issue	Custodian	DM-3 if issued and returned unused

Every crossing medium is issued from the removable-media crossing register, is single-purpose, is uniquely identified and marked, and is returned to the register on completion of the crossing. Use of a medium not issued from the register, or for a purpose other than that for which it was issued, is a reportable incident. A medium whose sanitisation fails at either end of a crossing is withdrawn on the failed result and destroyed; it is not re-sanitised, and the failure is a reportable line in the monthly certified return.

L.7 Programme, service, acceptance and training records

Table L.6: Programme, service, acceptance and training records

Class	Artefact	Retention period	Medium	Custodian	Disposal
PR-01	Procurement dossier: tender, queries and replies, evaluation records, committee minutes, award	5 years from contract closure	Departmental record	Apex Procurement Committee	DM-2 and DM-6
PR-02	Proof-of-concept records: scoring sheets, session logs, retained outputs, substitution approvals	5 years from award	Departmental record	Technical Committee	DM-2 and DM-6

Class	Artefact	Retention period	Medium	Custodian	Disposal
PR-03	Inspection and acceptance packs: pre-dispatch, delivery, installation, site and wave records	Life of the asset plus 5 years	One copy at the unit, one at Headquarters	Wave Delivery and Acceptance Committee	DM-2 and DM-6
PR-04	Tool-validation dossiers, known-answer datasets and validation results	Contract term plus 5 years	Headquarters records, off any evidential machine	Quality and Review Authority	DM-6
PR-05	Monthly certified returns, quarterly consolidated returns and the annual return	Contract term plus 5 years	Unit register and the Headquarters consolidation record	Documentation and Returns Officer; Unit In-charge for the unit's copy	DM-6
PR-06	Training attendance, assessment results, certificates, trainer particulars furnished before each batch, and countersigned cascade marking sheets	Contract term plus 5 years	Headquarters training register	Training Officer	DM-6
PR-07	Recordings of remote training sessions	Contract term	Government-controlled infrastructure inside India	Training Officer	DM-6
PR-08	Service reports, service-level evidence packs and credit determinations	Contract term plus 5 years	Departmental record	Programme Management Unit	DM-6
PR-09	Asset register, licence and entitlement register, and as-built documentation	Life of the asset plus 5 years	Departmental record	Programme Management Unit	DM-2 and DM-6
PR-10	Independent audit reports	Contract term plus 5 years	Departmental record	The Department	DM-2 and DM-6
PR-11	Site readiness checklists and deferral records	Contract term plus 5 years	Departmental record, one copy at the unit	Programme Management Unit	DM-2 and DM-6
PR-12	Exit and knowledge-transfer deliverables, including the evidence-custody continuity plan	Permanent, as departmental holdings	Departmental record, in open formats	The Department	Not disposed of within this schedule
PR-13	Preventive-maintenance visit records, including the witnessed battery capacity measurement, battery replacement and runtime re-verification for every power provision, and the annual check that each software item operates with every external interface disconnected	Contract term plus 5 years	Departmental record, one copy at the unit	Programme Management Unit	DM-2 and DM-6

L.8 Disposal methods

Table L.7: Disposal methods, their verification and the record each produces

Code	Method	Applied to	Verification	Record produced
DM-1	Release to the person entitled to it, on the order of the competent authority	Original exhibits	Identity of the recipient verified; a numbered seal applied on release	Signed acknowledgement; final custody entry; release order reference
DM-2	Secure destruction of a paper record by shredding to a published particle standard, or by incineration where the volume requires it	Signed printed reports, certificates, registers and departmental records	Witnessed by the Custodian and one other officer	Destruction certificate naming the records, the method, the officers and the date
DM-3	Verified overwrite of the whole addressable area of the medium, followed by a read-back check confirming that no residual data is recoverable by the unit's own tooling	Working copies, derived artefacts, working-storage images after archival verification, crossing media, backup media on rotation	Read-back check recorded with its result	Sanitisation certificate naming the item, the method, the officer, the date and the result
DM-4	Physical destruction of the medium by shredding or disintegration to a maximum particle size published by the Department for the media class, or by another method so published	Archival media at expiry, failed crossing media, transfer media that cannot be sanitised, and every storage device withdrawn from service having held evidential data	Performed in the presence of the Custodian and one other officer; residue inspected	Destruction certificate with the medium identifier, the method, the officers and the date

Code	Method	Applied to	Verification	Record produced
DM-5	Destruction of an original exhibit on the order of the competent authority	Original exhibits ordered to be destroyed	As DM-4, with the order recorded against the exhibit	Destruction certificate; final custody entry; order reference
DM-6	Deletion of a record from a register, repository or log store on written order, the deletion itself written to the immutable log	Register records, reports held electronically, logs at expiry, service and training records	The superseding log entry, naming the order, the class and the officer	Deletion record in the immutable log; the written order retained under RG-10

Cryptographic erasure alone is not accepted for any evidential class. Where a medium is encrypted at rest, destruction of the key is performed in addition to DM-3 or DM-4 and never in place of either.

L.9 The retention volumes on which storage sizing rests

These are the retention volumes at Chapter 3, Tables 3.3 and 3.4, restated because this schedule generates them. They are the basis on which the archival media provision, the backup and archive tier and the consumable archival media quantities are sized at Chapter 10.

Table L.8: Retention volumes by tier over the thirty-six-month operations period

Tier	Target residency in working storage, working days	Annual write to removable archival media	Retention volume over the 36-month term
District, each of 68	20	49.1 TB	147 TB
Commissionerate, each of 7	15	122.8 TB	368 TB
Headquarters, referred-exhibit copies	30	116.9 TB	351 TB

State-wide retention over the thirty-six-month term is of the order of 12,596 TB across the seventy-five field units, counted once at the unit of origin, with a further 351 TB of referred-exhibit copies at Headquarters. The Headquarters volume is additional to that State-wide field figure and is not included within it: it is a second copy, held at Headquarters, of material already counted at the unit of origin. The same figure is stated at Chapter 3, Section 3.4 and at Chapter 4, and nowhere else in this Request for Proposal.

L.10 Suspension of disposal, and disposal at the wrong time

- Disposal is suspended, and the artefact retained irrespective of its period, where retention has been directed by the written approval of the authorised officer or in any proceeding; where proceedings are pending in respect of the case, including appeal, revision or a connected proceeding known to the unit; where the artefact is the subject of a request under any law for the time being in force; where an incident concerning it is open; or where the Unit In-charge has recorded a reason for retention against it. The suspension is recorded against the artefact in the register, names the direction or proceeding relied on, and is reviewed at each annual retention audit.
- Disposal before the period has expired, or without a written order, is an incident. It is reported to the officer supervising the unit within one working day, appears in that unit's monthly certified return, and is examined at the annual retention audit. At Headquarters the corresponding decisions are taken by the Laboratory Head against this same schedule and the same record requirements, and no disposal at either tier is discharged by silence.
- The annual retention audit is conducted by the Independent Auditor, once in each year of the term, over retention applied at every tier against this schedule. The Custodian at a field unit and the Evidence Custodian and Referral Register Officer at Headquarters produce the registers, approvals and certificates it requires; the Unit In-charge of each unit audited is informed of the finding for that unit; and the audit produces a retention audit record, retained under class PR-10.

L.11 Sustaining retention beyond the contract term

Retention here runs past the thirty-six-month operations period, and the Department must be able to discharge it without the supplier and without any tool procured under this contract. The following are obligations.

- Open formats throughout: every acquisition produces an image in an open forensic container format or as a raw image, with a hash manifest computed by a published algorithm of not less than 256-bit digest length; every report, summary, certificate and register export is producible in an open, non-proprietary format. Chapters 4 and 10.
- No proprietary read dependency: no evidential artefact and no register record may be held in a form requiring a specific supplier's software to read. Chapters 4 and 10.
- A tested restore path without contract tooling: a written and tested procedure by which an archived image is restored and hash-verified without any tool procured under this contract, tested at a sample of units before acceptance. Chapter 13, deliverable E-2.
- A documented media-refresh cycle: archival media of a class with a stated shelf life of not less than ten years; verification by hash on a published annual sampling cycle; complete refresh at intervals not exceeding five years, or earlier where a verification fails; the refresh recorded against the artefact. This Annexure and Chapter 13, deliverable E-2.
- The minimum hardware and software to read the archive, named in the evidence-custody continuity plan, with the reading equipment identified and its availability stated. Chapter 13, deliverable E-2.
- Entitlements in the Department's name: the asset register and the licence and entitlement register reconciled at handover, every entitlement standing in the name of the Department. Chapter 13, deliverable E-4.
- Departmental competence to operate the schedule: knowledge transfer certified against a named departmental counterpart for every contracted function, and the training material held with an unrestricted right to reproduce and adapt. Chapter 13, deliverables E-7 and E-8.

The annual verification cycle and the five-year refresh are what make these periods true. Every licence supplied under this Request for Proposal continues to operate in perpetuity at no further cost, and the Department's records remain readable and exportable in open formats; but updates, corrections and support end with the operations period, and for the six items whose value rests on a continuously refreshed dataset at Chapter 10, Table 10.10, the currency of that data ends with them. Chapter 14 states the position on the recurring provision that sustaining the delivered capability thereafter requires.

Annexure M: Headquarters Cadre Qualification Matrix

M.1 Standing of this matrix and the rules that bind every post

For each of the twenty contracted specialist posts at Headquarters under MP-01, this Annexure gives the post title and function, whether it examines, the minimum qualification, the minimum relevant experience, the language requirement, the verification required before deployment and the replacement rule. It is the floor against which every deployed resource is assessed at acceptance, at every replacement and at every audit during the term. The floors here are the floors at Chapter 10, Table 10.36: the number of years is identical in both and is not varied here, and where the admissible field of experience for a post is in question this table governs, as Chapter 10, Table 10.36 itself provides. No rate, band rate or cost appears here or anywhere in this Request for Proposal; the commercial treatment of the manpower head is at Chapter 14. Six rules bind every post.

- All twenty are at Headquarters; there is no contracted post at any of the seventy-five field units, and no contracted person holds credentials to any evidence-processing system at any field unit.
- Contracted personnel provide technical support, tool operation, documentation, bilingual assistance and refresher support at Headquarters, and supervised assistance only; final forensic opinions, evidentiary conclusions, statutory certificates and report sign-off remain with authorised Government officers, and no contracted person signs a statutory certificate or appears as a witness.
- Delivery of the training programme at SV-03 is not a duty of this cadre: trainers are provided by the System Integrator under SV-03 in addition to these twenty posts, and no post of this cadre may be counted towards, or deployed in discharge of, that obligation.
- A floor is a minimum and not a target: a bidder proposing a person below any floor has not proposed a compliant resource, and no floor is waived at deployment or at replacement.
- Background verification precedes deployment for every post, and no post-holder commences duty on an unverified basis pending completion.
- Bilingual capability, with Hindi mandatory, applies to every training-delivering and desk-facing post, and every post-holder is capable of producing the records of the post in Hindi and in English.

The Headquarters CIDAL Laboratory is headed by an authorised officer of the Department in whom the statutory functions vest. Post P-01 is the contracted technical review authority, and its signature on a referred-examination report is the laboratory's technical issue signature; every statutory certificate accompanying an electronic record produced in a proceeding, every final forensic opinion and every written disposal order at Headquarters is executed by the authorised officer and by no contracted person.

M.2 The establishment

Table M.1: The twenty posts, and the eleven that examine

Function	Posts	Examining	Post references
Laboratory direction and technical review	1	No	P-01
Discipline Specialists	11	Yes	P-02 to P-12
Infrastructure and security administration	2	No	P-13, P-14
Authorisation register	1	No	P-15
Evidence custody and the referral register	1	No	P-16
Quality assurance, tool validation and peer review	1	No	P-17
Training	1	No	P-18
Remote assistance and the field support desk	1	No	P-19
Documentation, returns consolidation and programme support	1	No	P-20
Total	20	11	P-01 to P-20

Table M.2: Apportionment of the eleven examining posts

Discipline	Referral criteria served	Share of Headquarters examination hours	Posts	Post references
Host and computer forensics, including credential and passphrase recovery	R-3, R-7, R-8	34.5%	4	P-02 to P-05
Mobile forensics and authorisation-gated access, including lawful cloud and account acquisition	R-1, R-2	31.8%	3	P-06 to P-08
Online, overlay-network and virtual-asset investigation	R-5	18.9%	2	P-09, P-10
Telecom analytics	R-4	8.9%	1	P-11
Media processing and authenticity	R-6, R-9	5.8%	1	P-12
Total	R-1 to R-9 at Chapter 6, Table 6.5	99.9%	11	P-02 to P-12

The share column reads 99.9 because each share is rounded to one decimal place; the exact values sum to 100. Each examining post is worked at 1,500 productive hours a year, so eleven posts carry 16,500 examining hours, which at the mean of 27.5 hours per referred exhibit is the 600 referrals a year the cadre absorbs, a figure carrying a numeric re-sizing trigger at Chapter 3, Table 3.6. The gate at Annexure C, confining a referral to a case classified P1 or P2, holds referred volume to that figure; where a case outside those classes meets a criterion the unit cannot satisfy, the limitation is recorded explicitly in the report or summary and the case is not referred. Two disciplines carry a single post, and for those two a vacancy suspends a capability rather than reducing it.

M.3 The qualification matrix

Table M.3: The twenty posts: title, function, examining status, qualification, experience, language and replacement

Ref	Post title and function	Examining	Minimum qualification	Minimum relevant experience	Language, and verification before deployment	Replacement rule
P-01	Laboratory Head and technical review authority. Directs the laboratory's technical work under the authorised officer; accepts or declines each referral within one working day of hash verification; allocates referred work; reviews and signs the referred-examination report issued to an originating unit; owns tool validation and quality; reviews the administrative log monthly. Does not decide the exercise of an authorisation-gated capability, order a disposal or hold custody of the evidential action log	No; reviews and signs the technical issue	Master's degree in computer science, information technology, electronics, forensic science or a related discipline, or a bachelor's degree in engineering or technology in those fields	12 years in digital forensics, of which not less than 5 in a supervisory, review or laboratory-management role	Records of the post in Hindi and in English; background verification before deployment; demonstrated experience of preparing examination reports produced in legal proceedings	Vacancy filled within 15 working days by an equal-or-better resource assessed by the Department before deployment. Severity HR-S2. No substitution without prior written departmental approval
P-02	Discipline Specialist, host and computer forensics. Referred host and computer examinations at laboratory grade, including multi-volume and array reconstruction and extended file-system families	Yes	Bachelor's degree in engineering or technology in computer science, information	5 years in digital forensics, of which not less than 3 in host and computer forensics	Records of the post in Hindi and in English; background verification before deployment; tool competency demonstrated on Department-supplied material before deployment	Vacancy filled within 15 working days by an equal-or-better resource assessed by the

Ref	Post title and function	Examining	Minimum qualification	Minimum relevant experience	Language, and verification before deployment	Replacement rule
			technology or electronics, or a master's degree in computer science, forensic science or a related discipline			Department before deployment. Severity HR-S1
P-03	As P-02	Yes	As P-02	As P-02	As P-02	As P-02
P-04	As P-02, with large-exhibit and multi-exhibit processing	Yes	As P-02	As P-02	As P-02	As P-02
P-05	As P-02, and operates accelerated credential and passphrase recovery against a recorded authorisation only, producing the per-job record	Yes	As P-02	As P-02	As P-02, and trained on the authorisation procedure at Chapter 5 before deployment	As P-02
P-06	Discipline Specialist, mobile forensics. Referred mobile acquisition and analysis at laboratory grade; encrypted-backup handling; artefact decoding and court-ready export	Yes	As P-02	5 years in digital forensics, of which not less than 3 in mobile forensics	As P-02	As P-02
P-07	As P-06, and operates assisted access to locked devices against a recorded authorisation only, producing the per-attempt record	Yes	As P-02	As P-06	As P-05	As P-02
P-08	Discipline Specialist, lawful cloud and account acquisition. Token-based acquisition of service and cloud accounts under lawful authority, bound to the case, against a recorded authorisation only	Yes	As P-02	5 years in digital forensics, of which not less than 3 in mobile, account or cloud acquisition	As P-05	As P-02
P-09	Discipline Specialist, online and overlay-network investigation. Collection from the open internet and from anonymised overlay networks under managed non-attributable egress, with evidential capture, hashes and session logs	Yes	As P-02	5 years in digital forensics or cyber investigation, of which not less than 3 in online or overlay-network investigation	As P-02	As P-02
P-10	Discipline Specialist, virtual-asset and distributed-ledger analytics. Address clustering, transaction tracing, entity attribution and cross-chain tracing, with methodology and limits stated in the report	Yes	As P-02	5 years in digital forensics or financial-crime analysis, of which not less than 3 in virtual-asset tracing	As P-02	As P-02
P-11	Discipline Specialist, telecom analytics. Multi-operator ingestion, correlation across cases and operators, tower-dump handling, and link, temporal and geospatial analysis	Yes	As P-02	5 years in digital forensics or telecom record analysis, of which not less than 3 in multi-operator telecom analysis	As P-02	As P-02. Single-post discipline: a vacancy suspends the capability, is reported as a suspension and not a reduction, and is stated in the monthly service

Ref	Post title and function	Examining	Minimum qualification	Minimum relevant experience	Language, and verification before deployment	Replacement rule
						report and the consolidated return
P-12	Discipline Specialist, media processing and authenticity. Decode and repair of recorder-native containers, enumerated enhancement operations, tamper detection, source attribution and synthetic-media analysis, with calibrated confidence stated	Yes	As P-02	5 years in digital forensics or media forensics, of which not less than 3 in media processing or authenticity analysis	As P-02	As P-11
P-13	Infrastructure and Security Administrator. Administers the Headquarters platform, zoning, logging, time synchronisation, hardening, patching and backup through the out-of-band management domain, with no access to case content	No	Bachelor's degree in engineering or technology, or a master's degree in computer applications	5 years in secure infrastructure operations, including hardening, logging and backup administration	Records of the post in Hindi and in English; background verification before deployment; competency on the delivered platform demonstrated before deployment	Vacancy filled within 15 working days by an equal-or-better resource assessed by the Department before deployment. Severity HR-S2
P-14	As P-13, covering the roster and the restore-testing obligation	No	As P-13	As P-13	As P-13	As P-13
P-15	Authorisation Register Officer. Custody of the authorisation register; every entry made against the authorisation reference, the authorising authority and the date, before the attempt. Does not examine, so that the officer recording the authority is not the officer exercising it	No	Bachelor's degree	3 years in records, registry or evidence administration	Bilingual; background verification before deployment; trained on the authorisation procedure at Chapter 5 before deployment	As P-13
P-16	Evidence Custodian and Referral Register Officer. Receives, verifies, seals, stores and returns referred exhibits; maintains the referral register keyed to the originating unit's identifiers; records hash verification on receipt and return; maintains seal stock. Covered on a single shift	No	Bachelor's degree	3 years in evidence handling, stores or registry work	Bilingual; background verification before deployment; trained on sealing, custody and despatch before deployment	As P-13
P-17	Quality and Review Authority. Peer-reviews referred outputs; does not examine and takes no part in any examining session; maintains validation dossiers and known-answer datasets; inspects every authorisation-register entry quarterly against the authorisation on which it rests, and samples examination reports quarterly for method, hash discipline and stated limitations, recording the sample taken, the findings and their disposal	No	Bachelor's degree in engineering or technology, or a master's degree in a related discipline	8 years in digital forensics, of which not less than 3 in quality, validation or peer review	Records of the post in Hindi and in English; background verification before deployment; may not review work performed in a session in which the post-holder participated	As P-13
P-18	Training Officer. Owns curriculum, assessment instruments, marking schemes, attendance verification, cascade certification and the training register; operates in the Training Zone only. Does not deliver the SV-03 programme, for which the System Integrator provides trainers	No	Bachelor's degree, with a post-graduate qualification or a formal training qualification	7 years, of which not less than 3 in technical training delivery or curriculum design	Bilingual, with Hindi mandatory; background verification before deployment; assessed on a delivered session before deployment	As P-13
P-19	Support Desk Officer. Operates the support desk for the seventy-five field units within the published boundary; access to the ticket record only; connects to no machine holding case evidence and holds no credentials to any field evidence-	No	Bachelor's degree	3 years in technical support or service-desk operation	Bilingual, with Hindi mandatory; background verification before	As P-13

Ref	Post title and function	Examining	Minimum qualification	Minimum relevant experience	Language, and verification before deployment	Replacement rule
	processing system. The twelve-hour coverage window at HR-03 attaches to this post and to no other function of this cadre				deployment; assessed on live request handling in both languages across every published channel, being the telephone, the electronic-mail address and the web form	
P-20	Documentation and Returns Officer. Consolidates the seventy-five monthly certified returns; maintains the controlled document register and the programme documentation set; no case-record access. Sole relief for the support desk under HR-03	No	Bachelor's degree	3 years in technical documentation, reporting or programme support	Bilingual, with Hindi mandatory; background verification before deployment; competent in the published return format	As P-13

- A qualification is stated as a field of study and a number of years of relevant experience, never as a named certification of a single supplier's product. A certification offered as evidence of competence is supporting material and is not a substitute for the floor.
- Coverage. The twelve-hour window at HR-03 applies to the support desk and to no other function of this cadre. P-19 holds that duty and P-20 is its sole relief; no other post may be rostered to relieve the support desk, and the bilingual requirement for a desk-facing post applies to P-20 when acting in relief. The evidence-custody and referral-register function at P-16 is covered on a single shift.

M.4 Mobilisation, duration and background verification

The twenty posts are engaged for the thirty-six months of the operations period, being programme months 16 to 52. In addition, the nine posts required for Headquarters commissioning, for the initial training programme and for the referral function as units come live mobilise from programme month 6, on acceptance of the Headquarters wave, and serve the ten months to the start of the operations period. The engagement is accordingly thirty-six months for eleven posts and forty-six months for nine, being 810 post-months in all. Twenty posts is unchanged, no post is withdrawn before the close of the operations period, and every month number is a programme month counted from the effective date of the contract.

Table M.4: Mobilisation of the twenty posts, and the post-months of each tranche

Tranche	Posts	Count	Programme months	Months per post	Post-months
Early mobilisation, from acceptance of the Headquarters wave	P-01, P-02, P-06, P-13, P-14, P-15, P-16, P-17 and P-18	9	6 to 52	46	414
Operations period	P-03, P-04, P-05, P-07, P-08, P-09, P-10, P-11, P-12, P-19 and P-20	11	16 to 52	36	396
Total	P-01 to P-20	20	6 to 52	Not applicable	810

The nine are the posts whose duties fall due before the operations period opens: P-01 and the two Infrastructure and Security Administrators at P-13 and P-14 for Headquarters commissioning; the Training Officer at P-18 for the initial training programme, the first in-person batch being delivered in programme month 6 and not earlier so that the post is in place before it, as Chapter 12, Table 12.2 and Annexure J, Table J.9 state; and, for the referral function as units come live, the Evidence Custodian and Referral Register Officer at P-16, the Authorisation Register Officer at P-15, the Quality and Review Authority at P-17, and the two highest-volume examining disciplines, host and computer forensics at P-02 and mobile forensics at P-06, which together carry two-thirds of Headquarters examination hours at Table M.2. The remaining eleven mobilise at programme month 16 with the operations period.

The Headquarters cadre course of fifteen working days for the twenty posts is delivered at programme month 7. The nine posts of the early tranche are in place by then; the eleven posts of the operations tranche are nominated and attend the course at that time, and take up duty on mobilisation at programme month 16, their

engagement running from that date. The final three months of the operations period are fully staffed, and no post is demobilised before the exit deliverables at Chapter 13 are accepted.

Table M.5: Background verification, credentials and access

Requirement	Obligation
Background verification	Completed and evidenced before deployment for every post without exception. No post-holder commences duty on an unverified basis pending completion
Verification file	Identity, qualification and experience verification, and the background verification result, held for every post-holder and produced at acceptance, at each replacement and at every audit
Credentials at a field unit	None. No contracted account holds credentials to any evidence-processing system at any field unit, and an access-control listing at a sample of field units is an acceptance test
Access at Headquarters	To the zones and records stated for the role at Chapter 4 and to nothing further. Administrative access is through the out-of-band management domain with multi-factor authentication and carries no access to case content
The authorisation-gated zone	Entered by an examining specialist only against a recorded authorisation, the record naming both the specialist and the authorising officer
Non-disclosure	A signed non-disclosure undertaking from every post-holder, surviving the term, the obligation flowing down from the System Integrator
Withdrawal	A resource found not to meet the published floor, or not background-verified, is withdrawn within 10 working days and replaced

M.5 Replacement, substitution, vacancy and invoicing

Table M.6: The replacement rule and how it is measured

Element	Rule	Severity class	Service level
Vacancy in an examining post	Filled within 15 working days by a resource meeting the same floor or better, assessed by the Department before deployment	HR-S1	HR-01
Vacancy in a non-examining post	Filled within 15 working days on the same terms	HR-S2	HR-01
Vacancy in a single-post discipline, P-11 or P-12	Filled within 15 working days. Reported as a suspension of the capability and not a reduction, and stated in the monthly service report and the consolidated return	HR-S1	HR-01
Resource below the published floor, or not background-verified	Withdrawn within 10 working days and replaced	HR-S1	HR-02
Substitution of a named resource	Not permitted without prior written departmental approval	HR-S3	HR-05
Roster and coverage	The published roster maintained; the support desk staffed throughout its twelve-hour coverage window with the Documentation and Returns Officer as its sole relief; the evidence-custody and referral-register function staffed on a single shift	HR-S2	HR-03
Bilingual delivery	Every session and every desk shift deliverable in Hindi and in English	HR-S2	HR-04
Documentation and returns	Monthly service report, tool-validation dossier updates and consolidation of unit returns delivered by the fifth working day of the following month	HR-S3	HR-06

- Vacancy and invoicing. A vacant post is not invoiced. The manpower invoice for a month carries only the posts actually filled and evidenced in that month, and the deduction for a vacant post is applied to the invoice before any service credit falling due under Chapter 13 is computed. The deduction does not extinguish, reduce or substitute for the credit.
- Severity definitions, response and remedy clocks, the escalation ladder and the credit basis are at Annexure I and at Chapter 13. An equal-or-better resource means one meeting the same floor of qualification and relevant experience or a higher one; it does not mean one the System Integrator considers equivalent, and the assessment is the Department's.

M.6 Knowledge transfer, and what this Annexure does not do

- Knowledge transfer to departmental officers is a continuing obligation of every post and not an exit activity. Each post maintains a named departmental counterpart, and competency handover against that counterpart is certified as an exit deliverable at Chapter 13.
- This Annexure states no rate, band, cost or monetary quantity, and none is to be inferred from the qualification floors, the experience years, the post-months or the apportionment. It is not a

prequalification criterion: the key personnel a bidder must hold on its rolls at the bid due date are at Chapter 15, and the matrix here is a delivery obligation tested at acceptance and at every replacement through the term. It creates no post at any field unit, in any form, under any title.

Annexure N: Declaration, Undertaking and Guarantee Formats

N.1 Standing of these formats and the rules that govern their use

This Annexure publishes every declaration, undertaking, letter, certificate and guarantee a bidder is required to submit, in the form in which it is to be submitted.

Table N.1: The formats, when each is submitted and by whom

Format	Title	Submitted	By
Q-1	Integrity Pact	With the bid	The bidder and every consortium member
Q-2	Conflict of Interest Declaration	With the bid	The bidder and every consortium member
Q-3	Non-Collusion Undertaking	With the bid	The bidder and every consortium member
Q-4	Non-Blacklisting and Non-Debarment Declaration	With the bid	The bidder and every consortium member
Q-5	Solvency Declaration	With the bid	The bidder and every consortium member
Q-6	Local Content Declaration	With the bid	The bidder
Q-7	Principal's Authorisation Letter	With the bid, for authorisation-required items only	The principal, in favour of the bidder
Q-8	Completion Certificate	With the bid, as experience evidence	The bidder's client
Q-9	Performance Security Guarantee	Within 21 days of the award letter and before contract signature	An issuing bank, in favour of the Department
Q-10	Milestone-Linked Delivery Guarantee	Before release of the delivery-stage payment	An issuing bank, in favour of the Department
Q-11	Software Licensing Continuity Undertaking	With the technical bid, for every software item offered	The principal of the item, in favour of the Department
Q-12	Principal's Financial Capacity Statement	With the bid, for every item offered, against criterion PQ-22	The principal of the item, in favour of the Department
Q-13	Trainer Particulars and Competence Certification	Not less than 14 days before each batch or cohort, throughout the term	The System Integrator
Q-14	Curriculum Vitae of Key Personnel	With the bid, one for each of the six roles	The individual, countersigned by the bidder
Q-15	Subcontractor's Integrity and Audit-Rights Undertaking	Before the subcontractor commences work, for every approved work package	The subcontractor, countersigned by the System Integrator
Q-16	Declaration on Restrictions under Rule 144(xi) of the General Financial Rules, 2017	With the bid	The bidder, every consortium member, and the System Integrator in respect of every proposed subcontractor and every principal of an item offered

Six rules govern their use.

- Substance governs form: a declaration carrying every statement required by the published format, signed by a person competent to bind the entity, is not rejected because it departs from the layout, and the Department may seek a clarification or a corrected format within a stated period rather than reject.
- Every format is signed by a person authorised to bind the entity, with the authority produced: a board resolution, a power of attorney or an equivalent.
- In a consortium each member signs in its own right and the lead member additionally signs for the consortium; a signature by the lead member alone does not discharge another member's obligation.
- A declaration is a continuing statement, treated as repeated at every stage of the procurement and, after award, throughout the term; a change in the facts declared is notified in writing within seven working days.
- A false declaration is a ground for rejection before award and for termination for default after it, in addition to forfeiture of earnest money and any other consequence available in law.
- No format is a substitute for a criterion: a declaration evidences a criterion at Chapter 15 or Chapter 16 and does not replace the evidence that criterion requires.

Financial capacity is tested at two levels and the two are never pooled. The bidder's average annual turnover is tested at not less than 50 per cent of the estimated bid cost, on the evidence at Chapter 15. The turnover of the principal of each item offered is tested at not less than 100 per cent of the estimated bid cost, item by item, on the evidence at Format Q-12. Net worth and the principal's turnover are not pooled in a consortium.

Earnest money and bid security are governed by the norms of the Government e-Marketplace and are not separately fixed here. This Annexure publishes no earnest-money format; a bidder furnishes its bid security in the instrument and on the terms the Government e-Marketplace provides. The two guarantees published here are contract instruments and are not bid security.

Guarantees Q-9 and Q-10 are issued by an issuing bank as defined at Chapter 15, being a scheduled commercial bank in India, on the bank's letterhead, on non-judicial stamp paper of the value applicable, and are verified independently by the Department with the issuing branch and its controlling office before the instrument is acted upon. A bidder is not required to obtain a guarantee from any named bank, and no set of banks accepted in one clause of this Request for Proposal is narrowed in another. Amounts and dates are entered in the blanks by the issuing bank against the contract particulars; no amount is published in this Request for Proposal.

N.2 Format Q-1: Integrity Pact

(On non-judicial stamp paper of the value applicable, executed by the bidder and by each consortium member, submitted with the bid.)

INTEGRITY PACT

Between the Uttar Pradesh Police, Government of Uttar Pradesh, acting through the Programme Director, Cyber Investigation and Digital Assistance Lab, hereinafter the Principal, and ……, a company or firm incorporated or registered under …… and having its registered office at ……, hereinafter the Bidder, in respect of Tender No. …… for the Cyber Investigation and Digital Assistance Lab.

1. Commitments of the Principal. The Principal commits that no official of the Principal, personally or through a family member or an intermediary, will demand, take a promise for or accept any consideration, monetary or otherwise, in exchange for an advantage in the tendering process or in contract execution; will treat every bidder with equity and reason and provide to every bidder the same information; and will exclude from the evaluation any official who has or may have a conflict of interest.

2. Commitments of the Bidder. The Bidder commits that it will not, directly or indirectly, offer, promise or give to any official of the Principal, or to a family member of such an official or to a third party, any consideration, monetary or otherwise, to obtain an advantage in the tendering process or in contract execution; will not enter into any agreement or understanding with any other bidder, whether formal or informal, concerning prices, submission or non-submission of bids, or the allocation of any part of the work; will not use for illegitimate purposes any information or document received from the Principal; will disclose in the form at Q-2 every payment made or agreed to be made to any agent, broker, representative or intermediary in connection with this tender, and the purpose of each; and will not, without the Principal's prior written approval, employ or engage in any work connected with this tender or this contract any person who was an official of the Principal and who dealt with this tender or this contract, at any time within two years of that person ceasing to deal with it. This commitment restrains the Bidder and does not restrain any person from taking employment; the Principal shall not withhold approval unreasonably where the person had no decision-making role in relation to this tender or this contract.

3. Disqualification and consequences. If the Bidder commits a breach of this Pact before award, the Principal may exclude the Bidder from the tendering process and forfeit the earnest money. If the breach is committed or discovered after award, the Principal may terminate the contract for default, encash the performance security in whole or in part, recover the damage caused, and debar the Bidder from participation in its procurements for a period stated in the order of debarment. The Principal shall record its reasons in writing and shall give the Bidder an opportunity to be heard before an order under this clause is made.

4. Independent external monitors. The Principal has appointed the independent external monitors named in the tender documents, from the panel maintained for the purpose by the authority competent to appoint them, each of whom has declared in writing that he or she holds no interest in this procurement. A monitor may at any time during the tendering process and during the term examine any record relating to this tender or this contract, and the Bidder shall grant unrestricted and unconditional access to its records for that purpose. A monitor performs the function impartially and reports to the Principal. Any party may approach a monitor.

5. Equal treatment of subcontractors. The Bidder shall obtain a like commitment from every subcontractor engaged in connection with this contract, and shall be responsible for the observance of this Pact by every such subcontractor.

6. Duration. This Pact takes effect on its signature and remains in force until the end of the operations period, or until the expiry of any warranty or defect-liability obligation, or until an order under clause 3 attains finality, whichever is later.

7. Other provisions. This Pact is governed by the laws of India. Nothing in it limits any right or remedy available to the Principal in law. If any provision is held invalid, the remainder continues in force and the parties shall substitute a valid provision achieving the nearest lawful effect.

Signed for and on behalf of the Bidder: Name …… Designation …… Signature …… Date …… Place ……

Signed for and on behalf of the Principal: Name …… Designation …… Signature …… Date …… Place ……

Witnesses: 1. …… 2. ……

N.3 Format Q-2: Conflict of Interest Declaration

(On the letterhead of the bidder, by the bidder and by each consortium member.)

To the Programme Director, Cyber Investigation and Digital Assistance Lab, Uttar Pradesh Police. Subject: Declaration of conflict of interest, Tender No. ……

- We declare that we have no conflict of interest in relation to this tender, and in particular that: we have not assisted, advised or been engaged by the Department, or by any person engaged by the Department, in the preparation of this Request for Proposal, its annexures, the specifications, the evaluation criteria, the proof-of-concept library or the acceptance test plan; we do not have a relationship of control, common control, common directorship or common shareholding with any other bidder for this tender; and we have not, in connection with this tender, engaged any official of the Department or a family member of such an official in any capacity.
- We declare every payment made, promised or agreed to be made to any agent, broker, representative or intermediary in connection with this tender, with the identity of the recipient and the purpose of each payment, in the schedule below. Where there is none, we state "NIL".

Table N.2: Format Q-2: particulars of any engagement, association or interest declared

#	Recipient	Nature of engagement	Purpose	Amount basis, stated as a percentage or as a lump sum, without disclosing the value

- We undertake to notify the Department in writing within seven working days of any change in the facts declared here, at any time before award and throughout the term of any contract awarded to us.
- We understand that a conflict of interest not disclosed here is a ground for rejection of our bid before award and for termination for default after it, and that this declaration is a continuing declaration.

Signature …… Name …… Designation …… For and on behalf of …… Date …… Place ……

N.4 Format Q-3: Non-Collusion Undertaking

(On the letterhead of the bidder, by the bidder and by each consortium member.)

To the Programme Director, Cyber Investigation and Digital Assistance Lab, Uttar Pradesh Police. Subject: Undertaking as to non-collusion, Tender No. ……

- We undertake that this bid has been prepared and submitted independently, without any agreement, arrangement, communication or understanding with any other bidder or prospective bidder as to prices, as to any element of price, as to the submission or non-submission of a bid, as to withdrawal or modification of a bid, or as to the allocation of any part of the work or of any market.

- We undertake that we have not disclosed, and will not disclose before the opening of the financial bids, the contents of our bid, directly or indirectly, to any other bidder or prospective bidder, or to any person acting on behalf of one.
- We undertake that we have not induced and will not induce any person to submit or to refrain from submitting a bid, and that we have not offered and will not offer any inducement of any kind for that purpose.
- We confirm that we are a member of one consortium only in respect of this tender, or of none, and that we have not additionally submitted a bid on our own account where we are a member of a consortium.
- We understand that a breach of this undertaking is a ground for rejection of our bid, for forfeiture of earnest money, for termination for default after award, and for debarment, and that it constitutes a breach of the Integrity Pact at Format Q-1.

Signature …… Name …… Designation …… For and on behalf of …… Date …… Place ……

N.5 Format Q-4: Non-Blacklisting and Non-Debarment Declaration

(On the letterhead of the bidder, by the bidder and by each consortium member.)

To the Programme Director, Cyber Investigation and Digital Assistance Lab, Uttar Pradesh Police. Subject: Declaration as to blacklisting and debarment, Tender No. ……

- We declare that as at the bid due date we do not stand blacklisted, debarred or suspended by any Central Government or State Government department, by any public sector undertaking, by any autonomous or statutory body, or on any public procurement platform, and that no order of blacklisting, debarment or suspension against us subsists in whole or in part.
- We declare that no proceeding for blacklisting, debarment or suspension is pending against us as at the bid due date; and where such a proceeding is pending, we state its particulars below and understand that the Department will consider them on their merits.

Table N.3: Format Q-4: particulars of any pending blacklisting, debarment or suspension proceeding

#	Authority	Date of initiation	Subject matter	Present status

- We declare that we have not been convicted of an offence involving fraud, corruption or moral turpitude in relation to a public procurement, and that no such conviction subsists against any of our directors or partners in that capacity.
- We declare that no contract awarded to us by any public authority has been terminated for default in the three years preceding the bid due date; and where such a termination has occurred, we state its particulars below.

Table N.4: Format Q-4: particulars of any contract terminated for default

#	Authority	Contract	Date of termination	Grounds recorded

- We undertake to notify the Department in writing within seven working days of any change in the facts declared here, at any time before award and throughout the term.

Signature …… Name …… Designation …… For and on behalf of …… Date …… Place ……

N.6 Format Q-5: Solvency Declaration

(On the letterhead of the bidder, by the bidder and by each consortium member. Where the Department requires a solvency certificate in support, that certificate is issued by an issuing bank as defined at Chapter 15 and is dated not earlier than six months before the bid due date. No percentage of the estimated bid cost is fixed for solvency by this Request for Proposal and none is to be inferred; the financial thresholds of this procurement are the turnover and net-worth criteria published at Chapter 15 and no others.)

To the Programme Director, Cyber Investigation and Digital Assistance Lab, Uttar Pradesh Police. Subject: Declaration as to solvency, Tender No. ……

- We declare that we are solvent; that we have not applied to be, and have not been, adjudicated insolvent or bankrupt; that no proceeding for our insolvency, liquidation, winding up or dissolution is pending or has been admitted; and that no receiver, liquidator, resolution professional or administrator has been appointed over the whole or any part of our undertaking.
- We declare that our net worth in the most recent audited financial year is positive, as certified by a chartered accountant, and that the certificate accompanies this declaration.
- We declare that we have not defaulted in the repayment of any borrowing such that we stand classified as a wilful defaulter by any authority competent to make that classification as at the bid due date.
- We confirm that the audited financial statements submitted with our bid, for the three most recent audited financial years named in the tender, are true copies of the statements adopted and filed as required by law.
- We understand that solvency is a continuing requirement, and we undertake to notify the Department in writing within seven working days of any event affecting the statements made here, at any time before award and throughout the term.

Signature …… Name …… Designation …… For and on behalf of …… Date …… Place ……

No monetary value is required to be published by the bidder in its bid on account of this declaration or of any certificate furnished in support of it.

N.7 Format Q-6: Local Content Declaration

(On the letterhead of the bidder. The preference policy for local content and for micro and small enterprises is applied uniformly at procurement level under its own rules and never at line-item level. No line item of this procurement is reserved and no origin-based condition appears in any technical specification.)

To the Programme Director, Cyber Investigation and Digital Assistance Lab, Uttar Pradesh Police. Subject: Declaration as to local content, Tender No. ……

- We declare the percentage of local content in the goods, services and works offered under this bid, computed in accordance with the applicable policy and the guidance issued under it, as follows.

Table N.5: Format Q-6: computation of local content by head

#	Head	Basis of computation	Local content, as a percentage
1	Capability items, hardware		
2	Capability items, software		
3	Services, including implementation, operations, training and manpower		
4	Composite, weighted as required by the policy		

- We declare the class into which we fall under the applicable policy, and we submit the supporting certification the policy requires for that class.
- We declare our registration status as a micro or small enterprise as at the bid due date, together with the registration particulars where applicable, and we understand that the statutory exemption from earnest money attaches to that registered status and not to the composition of the procurement; that it does not extend to the performance security; and that a registration obtained after the bid due date does not qualify.
- We undertake to maintain records substantiating the declared local content and to produce them to the Department, to the Independent Auditor appointed by the Department, or to any statutory or constitutional audit authority, on request during the term and thereafter until the later of five years from the close of the contract and the expiry of the retention period applicable to the record at Annexure L, and we undertake to retain every such record for that period and not to destroy any of them within it.
- We understand that a false declaration under this format attracts the consequences stated in the applicable policy in addition to those in the Integrity Pact at Format Q-1.

Signature …… Name …… Designation …… For and on behalf of …… Date …… Place ……

N.8 Format Q-7: Principal's Authorisation Letter

(On the letterhead of the principal, addressed to the Department, in favour of the bidder. Required only for the items classified authorisation-required at Chapter 16. A general dealership certificate is not accepted in its place.)

To the Programme Director, Cyber Investigation and Digital Assistance Lab, Uttar Pradesh Police. Subject: Authorisation in respect of Tender No. …… for the Cyber Investigation and Digital Assistance Lab.

- We, ……, having our registered office at ……, are the principal of the item identified below and are competent to give this authorisation.

Table N.6: Format Q-7: items covered by the principal's authorisation

Item identifier in the Bill of Materials	Item as described in the tender	Offered build or configuration designation

- We authorise ……, having its office at ……, to offer the above item in the above tender, to quote for it, and to enter into a contract with the Department in respect of it.
- We undertake that the item offered is new, unused and of current production as at the bid due date, and is not end-of-sale or end-of-life as at that date; and we undertake support availability for the item for a period of not less than five years from delivery.
- We undertake to make available to the bidder the support, the updates, upgrades, patches and signature, definition and dataset refreshes, the spares and the technical assistance the tender requires, for not less than the period the tender requires, and to do so directly to the Department should the bidder for any reason cease to be able to perform, on the same terms and at no additional cost to the Department for the balance of that period. Where the item offered is a software item, this undertaking is given in addition to, and does not qualify, the licensing continuity undertaking at Format Q-11.
- Anti-blocking undertaking. We confirm that we do not restrict, and will not restrict, the number of bidders we authorise for this tender; that we have not refused an authorisation to any bidder for this tender on any ground other than a ground applied uniformly and disclosed in writing; and that this authorisation is not exclusive.
- This letter names the tender by its number and title, is specific to it, and is signed by a person authorised to bind us.

Signature …… Name …… Designation …… For and on behalf of …… Date …… Place ……

Where a bidder has sought an authorisation and received a written refusal, or has received no response within fourteen days of a written request sent to the principal's published address, the bidder may submit that refusal or that request with proof of despatch in place of this letter. The fact is then recorded and weighed against the specification and not against the bidder, on the terms published at Chapter 16. A refusal by a principal is not, by itself, a ground for disqualifying the bidder that suffered it.

N.9 Format Q-8: Completion Certificate

(On the letterhead of the bidder's client. It is not the sole admissible proof of experience: the alternative evidence package at Chapter 15 carries equal weight, being a purchase or work order, tax invoices evidencing the value claimed, a completion or performance letter from the client, and a chartered-accountant-certified scope-and-value statement. A bid shall not be rejected on the ground that a formal completion certificate was not obtainable.)

COMPLETION CERTIFICATE

Table N.7: Format Q-8: particulars of the work certified

Field	Entry
Client organisation and address	
Contract or work order reference and date	

Field	Entry
Name of the work	
Name and address of the agency that performed the work	
Scope performed, stated against the heads on which the agency relies	
Whether the work included digital-forensic or cyber-security delivery, and the class of client: Government, public sector, police, forensic laboratory, security operations or intelligence	
Whether the work comprised, within one and the same work, digital-forensic or cyber-security hardware, associated software and expert technical manpower	
Number of technical personnel deployed on the work by the agency, and the period for which each was deployed, stating whether not fewer than five were deployed for not less than twelve months	
Date of commencement	
Date of completion, or, for an ongoing work, the date and percentage of certified physical completion	
Certified value of the work performed	
Number of sites or locations at which the work was performed	
Whether performance was satisfactory	
Whether any liquidated damages, penalty or adverse action was applied, and if so its nature	
Name, designation, telephone and electronic-mail address of the certifying officer	

The client may, in place of contact particulars, attest this certificate through a competent authority, or issue it identifying itself by class and jurisdiction only, where its disclosure rules so require. A bidder is not required to furnish the contact particulars of a law-enforcement, forensic or intelligence client, and an anonymised or authority-attested reference is accepted on the terms published at Chapter 16.

Signature …… Name …… Designation …… Seal of the client organisation …… Date ……

N.10 Format Q-9: Performance Security Guarantee

(On the letterhead of the issuing bank, on non-judicial stamp paper of the value applicable. Performance security is a percentage of contract value as published at Chapter 15, lodged within twenty-one days of the award letter and before contract signature. The statutory exemption available to registered micro and small enterprises does not extend to performance security.)

PERFORMANCE SECURITY GUARANTEE

To the Governor of Uttar Pradesh, acting through the Programme Director, Cyber Investigation and Digital Assistance Lab, Uttar Pradesh Police, hereinafter the Beneficiary.

- In consideration of the Beneficiary having awarded to ……, hereinafter the Contractor, the contract for the Cyber Investigation and Digital Assistance Lab under letter of award No. …… dated ……, we, …… Bank, …… branch, hereinafter the Bank, at the request of the Contractor, hereby guarantee to pay to the Beneficiary a sum not exceeding Rupees …… (Rupees …… only), being the performance security required by the contract.
- We undertake to pay the said sum, or any part of it, on first written demand of the Beneficiary stating that the Contractor has failed to perform any obligation of the contract, including delivery, installation, site acceptance, wave acceptance, final commissioning, the operations, maintenance and support obligations, the training obligations, the manpower obligations, the warranty obligations or the exit and knowledge-transfer obligations, without demur, without protest, and without requiring the Beneficiary to prove or show grounds for the demand.
- The Beneficiary's demand shall be conclusive as to the amount due and payable, and payment shall be made notwithstanding any dispute or difference between the Beneficiary and the Contractor pending before any court, tribunal, arbitrator or other authority, our liability under this guarantee being absolute and unequivocal.
- This guarantee is unconditional and irrevocable and shall not be affected by any variation in the terms of the contract, by any extension of time, by any indulgence or forbearance granted to the Contractor, by any change in the constitution of the Contractor or of the Bank, or by any other act, matter or thing which but for this provision would operate to discharge us. We waive the rights that would otherwise be available to

us as a surety under the Indian Contract Act, 1872, and we agree that no such variation, extension, indulgence or forbearance requires our consent or notice to us.

- This guarantee is valid until ……, being sixty days after the end of the thirty-six-month operations period, and shall be released only on final acceptance and on the closure of every non-conformance. On the written request of the Beneficiary the Bank shall extend the validity for a further period, and a failure to extend on request shall entitle the Beneficiary to invoke it.
- Where a variation alters contract value, the performance security is recomputed on the altered value and this guarantee is topped up, or a further guarantee in this format furnished, within twenty-one days of the written order.
- Notwithstanding anything above, our liability is limited to Rupees …… (Rupees …… only); this guarantee is valid until ……; and we are liable to pay only if the Beneficiary serves a written claim on or before ……, being the date falling twelve months after the date of validity stated above.
- This guarantee is governed by the laws of India, and the courts having territorial jurisdiction over the office of the Programme Director, Cyber Investigation and Digital Assistance Lab shall have exclusive jurisdiction.

For and on behalf of …… Bank. Signature …… Name …… Designation …… Employee code …… Branch and address …… Telephone and electronic-mail address for verification …… Date …… Place ……

N.11 Format Q-10: Milestone-Linked Delivery Guarantee

(On the letterhead of the issuing bank, on non-judicial stamp paper of the value applicable. This guarantee secures the delivery-stage payment released on delivery at the unit and passing of the delivery inspection, before installation, configuration verification and site acceptance. It is equal to the amount released at that milestone, is valid until final commissioning, and is in addition to and does not reduce the performance security at Format Q-9.)

MILESTONE-LINKED DELIVERY GUARANTEE

To the Governor of Uttar Pradesh, acting through the Programme Director, Cyber Investigation and Digital Assistance Lab, Uttar Pradesh Police, hereinafter the Beneficiary.

- In consideration of the Beneficiary agreeing to release to ……, hereinafter the Contractor, the delivery-stage payment in respect of the units listed in the schedule below, under the contract for the Cyber Investigation and Digital Assistance Lab dated ……, we, …… Bank, …… branch, hereinafter the Bank, at the request of the Contractor, hereby guarantee to pay to the Beneficiary a sum not exceeding Rupees …… (Rupees …… only), being an amount equal to the sum so released.

Table N.8: Format Q-10: units covered by the guarantee

#	Unit name	Tier	Wave and lot	Delivery inspection certificate reference and date

- We undertake to pay the said sum, or any part of it, on first written demand of the Beneficiary stating that any of the goods in respect of which the delivery-stage payment was released has not been installed, configured and taken through site acceptance; or has been found on any inspection to be other than new, unused and of current production as at the bid due date, or to be refurbished, demonstration, open-box, remanufactured or grey-market; or has been found short, damaged, incomplete as to accessories, cables, adapters or entitlements, or otherwise not in conformity with the contract; or that the contract has been terminated for default before final commissioning, without demur, without protest, and without requiring the Beneficiary to prove or show grounds for the demand.
- The Beneficiary's demand shall be conclusive as to the amount due and payable, and payment shall be made notwithstanding any dispute or difference between the Beneficiary and the Contractor pending before any court, tribunal, arbitrator or other authority.

- This guarantee is unconditional and irrevocable and shall not be affected by any variation in the terms of the contract, by any extension of time, by any deferral of a unit on a not-ready certification, by any re-sequencing of a wave, by any change in the constitution of the Contractor or of the Bank, or by any other act, matter or thing which but for this provision would operate to discharge us. We waive the rights that would otherwise be available to us as a surety under the Indian Contract Act, 1872.
- This guarantee is valid until ……, being the date of final commissioning across all seventy-six units or such later date as the Beneficiary may require by written request, and shall be released only on issue of the final commissioning certificate. A failure to extend the validity on the written request of the Beneficiary shall entitle the Beneficiary to invoke this guarantee.
- Notwithstanding anything above, our liability is limited to Rupees …… (Rupees …… only); this guarantee is valid until ……; and we are liable to pay only if the Beneficiary serves a written claim on or before ……, being the date falling twelve months after the date of validity stated above.
- This guarantee is governed by the laws of India, and the courts having territorial jurisdiction over the office of the Programme Director, Cyber Investigation and Digital Assistance Lab shall have exclusive jurisdiction.

For and on behalf of …… Bank. Signature …… Name …… Designation …… Employee code …… Branch and address …… Telephone and electronic-mail address for verification …… Date …… Place ……

N.12 Format Q-11: Software Licensing Continuity Undertaking

(On non-judicial stamp paper of the value applicable, executed by the principal of the software item in favour of the Department, submitted with the technical bid for every software item offered. Required by the licensing and continuity clause at Chapter 10, Section 10.2.2, and given as the undertaking at LC-6 confirming requirements LC-1 to LC-5. It is a bid-responsiveness requirement: an item offered without it is not evaluated, and where that item is mandatory the bid is non-responsive as to that item.)

To the Programme Director, Cyber Investigation and Digital Assistance Lab, Uttar Pradesh Police. Subject: Undertaking as to licensing continuity, Tender No. ……

- In consideration of the Department agreeing to consider a bid offering the item or items identified below, and of the Department entering into a contract under which those items are supplied, we give the undertakings below to the Department, intending them to be legally binding upon us and upon our successors and assigns, and intending the Department to rely upon them.
- We, ……, having our registered office at ……, are the principal of the software item or items identified below and are competent to give this undertaking in respect of each of them.

Table N.9: Format Q-11: software items covered by this undertaking

Item identifier in the Bill of Materials	Item as described in the tender	Offered build or version designation	Number of instances offered

- LC-1. Updates and support for not less than three years. We undertake that the entitlement supplied for each item above includes all updates, upgrades, patches, signature refreshes, definition refreshes, dataset refreshes and technical support for a period of not less than three years from the date of acceptance of that item at the unit at which it is deployed, the period running unit by unit and not from a single programme-wide date.
- LC-2. Perpetual operation thereafter, at no further cost. We undertake that on expiry of that period each item continues to function in perpetuity, without updates, at no further cost to the Department, and that continued operation requires no renewal, no reactivation, no further payment, no further order and no further act of ours, of the bidder or of any other person.
- LC-3. No function withheld. We undertake that no function specified in the tender is withheld from, disabled in, degraded in or metered in an item that is operating under LC-2.
- LC-4. No dependency on us. We undertake that no item above embeds an expiry date, a time-limited key, a periodic reactivation requirement, a licence lease, a remote disable capability, a kill switch, a telemetry condition or any dependency on an entitlement service hosted by us or by any other person, without which

the item would cease to operate, lose any function or reduce its performance. Where any activation mechanism exists in an item, we furnish a permanent offline entitlement for every deployed instance, deliverable and re-deliverable on removable media at no charge. Where the entitlement for an item above is carried on a physical article, we undertake that the article carries no expiry date, lease term, reactivation requirement or remote disable capability; that it becomes the Department's property on delivery; that a spare article programmed identically is delivered with each instance; and that we shall replace any article that fails, is damaged or is lost, at no charge to the Department, within fifteen working days of a written report, for the life of the item, without limit of time, and whether or not any contract between the Department and the bidder subsists.

- LC-5. The Department's own data. We undertake that the Department retains, in perpetuity and without further payment, the right and the technical means to read, search and export all data it has created in each item, in open and documented formats, whether or not any further version of that item is ever supplied.
- Direct performance. We undertake to perform the undertakings above directly to the Department should the bidder for any reason cease to be able to perform, on the same terms and at no additional cost to the Department.
- We understand that this undertaking is verified at the demonstration, at acceptance and at each annual maintenance visit by operating the item with every external interface disconnected and by inspection of the delivered entitlement artefact, and that a statement made falsely here attracts the consequences stated in the Integrity Pact at Format Q-1 in addition to those available in law.
- This undertaking names the tender by its number and title, is specific to it, and is signed by a person authorised to bind us.
- Duration and survival. Each undertaking above continues in force in perpetuity, and is not affected by the expiry of the currency period at LC-1, by the end of the operations period, by the expiry or termination of the contract between the Department and the bidder for any cause, by any change in our constitution, ownership or control, or by any transfer, assignment, sale or licensing of the item or of the business in which it is carried on. We shall not transfer, assign, sell or license the item or that business except on terms under which the transferee assumes these undertakings in writing in favour of the Department, and we shall furnish that written assumption to the Department within thirty days of the transfer.
- Governing law, jurisdiction and service. This undertaking is governed by the laws of India. We submit to the exclusive jurisdiction of the courts having territorial jurisdiction over the office of the Programme Director, Cyber Investigation and Digital Assistance Lab. We appoint …… of …… (address in India) as our agent to accept service of process in India in respect of this undertaking, and we shall maintain an agent for that purpose, notifying any change to the Department in writing within fifteen days.
- Remedy. We acknowledge that damages may not be an adequate remedy for a breach of LC-2 to LC-5, that the Department may seek specific performance and injunctive relief, and that a breach entitles the Department to recover from us every cost it incurs in procuring a replacement capability of equivalent or better function, together with the cost of migrating its data to that replacement.

Signature …… Name …… Designation …… For and on behalf of …… Date …… Place ……

N.13 Format Q-12: Principal's Financial Capacity Statement

(On the letterhead of the principal of the item, addressed to the Department, submitted with the bid for every item offered, in evidence of prequalification criterion PQ-22. A separate statement is furnished by the principal of each item offered.)

To the Programme Director, Cyber Investigation and Digital Assistance Lab, Uttar Pradesh Police. Subject: Statement of financial capacity of the principal, Tender No. ……

- We, ……, having our registered office at ……, are the principal of the item or items identified below and furnish this statement in our own right.

Table N.10: Format Q-12: the principal, the items offered and the turnover relied on

#	Item identifier in the Bill of Materials	Item as described in the tender	Average annual turnover for the three most recent financial years	Audited accounts or published annual report relied on, with its date and the years covered

- We certify that our average annual turnover for the three most recent financial years, as stated above, is not less than 100 per cent of the estimated bid cost published in the tender, and that this threshold is satisfied by us in our own right for each item we offer.
- We confirm that this threshold is tested item by item, and separately from the bidder's own turnover threshold of not less than 50 per cent of the estimated bid cost at Chapter 15. Neither threshold is pooled with the other, with the turnover of any consortium member, or with the turnover of the principal of any other item.
- We attach, for each of the three financial years relied on, our audited accounts or our published annual report, and we confirm that the figures stated above are drawn from those documents and from no other source.
- We undertake to notify the Department in writing within seven working days of any change in the facts stated here, at any time before award and throughout the term of any contract awarded on this bid.
- We understand that a statement made falsely here is a ground for rejection of the bid before award and for termination for default after it, and attracts the consequences stated in the Integrity Pact at Format Q-1 in addition to those available in law.

Signature …… Name …… Designation …… For and on behalf of …… Date …… Place ……

The values entered above are entered by the principal from its own audited accounts. No monetary value is published in this Request for Proposal, and the estimated bid cost against which the percentage is tested is that published in the tender.

N.14 Format Q-13: Trainer Particulars and Competence Certification

(On the letterhead of the System Integrator, addressed to the Department, furnished not less than fourteen days before the batch or cohort concerned, for every trainer allocated to it. Required by the trainer provision at Chapter 12 and Annexure J. Trainers are provided by the System Integrator under SV-03 and are additional to the twenty posts of the Headquarters specialist cadre at MP-01.)

To the Programme Director, Cyber Investigation and Digital Assistance Lab, Uttar Pradesh Police. Subject: Trainer particulars for batch or cohort ……, commencing on ……, Tender or contract No. ……

- We furnish below the particulars of every trainer allocated to the batch or cohort named above.

Table N.11: Format Q-13: trainer particulars for the batch or cohort named

#	Trainer name	Qualification	Certification held, the principal that issued it, and its reference and validity	Module or modules allocated	Batch or cohort	Language of delivery, and confirmation of fluency in Hindi

- We certify that each trainer named above is certified and demonstrably competent in the specific module allocated to that trainer, holding either a current certification issued by the principal of the tool concerned or documented instructional experience in that discipline; is fluent in the language of delivery stated against that trainer; and is fluent in Hindi, Hindi being mandatory for every trainer under Chapter 12, Section 12.10.
- We certify that no trainer named above holds any of the twenty posts of the Headquarters specialist cadre at MP-01, and that no post of that cadre is counted towards, or deployed in discharge of, the training delivery obligation at SV-03.

- We confirm that this statement is furnished not less than fourteen days before the batch or cohort named commences, and that the evidence of qualification and certification for each trainer is held by us and produced to the Department on request and at audit.
- We undertake to notify the Department in writing of any change in the particulars stated here before the batch or cohort commences, and to furnish the particulars of any substituted trainer, in this format, before that trainer delivers any session.
- We understand that the Department may require the replacement of any trainer who does not meet the requirement at Chapter 12, at no cost to the Department and without extending any date; and that a statement made falsely here attracts the consequences stated in the Integrity Pact at Format Q-1 in addition to those available in law.

Signature …… Name …… Designation …… For and on behalf of …… Date …… Place ……

N.15 Format Q-14: Curriculum Vitae of Key Personnel

(On the letterhead of the bidder, one statement for each of the six roles at Chapter 15, Table 15.4, signed by the individual and countersigned by the bidder, submitted with the bid in evidence of criterion PQ-15.)

To the Programme Director, Cyber Investigation and Digital Assistance Lab, Uttar Pradesh Police. Subject: Curriculum vitae of key personnel, Tender No. ……

Table N.12: Format Q-14: particulars of the individual proposed

Field	Entry
Role proposed, being one of the six roles at Chapter 15, Table 15.4	
Name in full	
Date of birth	
Qualification, the institution, the year of award and the enrolment or roll number	
Date from which the individual has been on the rolls of the bidder, and the employee code	
Total relevant experience in years, and the experience relevant to the role proposed in years	
Assignments relied on, each with the client, the period, the role held and the scope performed	
For the Programme Manager, the multi-site public-sector delivery relied on, with the number of sites	
For the Deployment Manager, the rollout relied on, with the number of sites	
For the Training Manager, the assignment delivered in Hindi and the assignment delivered in English, each with the client, the period and the number of participants	
Language proficiency, stating Hindi and English separately	

- We confirm that the individual named above is on the rolls of the bidder as at the bid due date, that the particulars stated are true, and that proof of qualification and of employment is attached.
- We confirm that this individual is proposed for one role only, and that no other individual is proposed for the same role.
- We understand that replacement after award is governed by Chapter 13 and is permitted only by an equal-or-better resource, and that a statement made falsely here attracts the consequences stated in the Integrity Pact at Format Q-1 in addition to those available in law.

Signature of the individual …… Name …… Date …… Place ……

Countersigned for and on behalf of the bidder: Signature …… Name …… Designation …… Date …… Place ……

N.16 Format Q-15: Subcontractor's Integrity and Audit-Rights Undertaking

(On the letterhead of the subcontractor, addressed to the Department, countersigned by the System Integrator, executed before the subcontractor commences work on any approved work package under Chapter 14.)

To the Programme Director, Cyber Investigation and Digital Assistance Lab, Uttar Pradesh Police. Subject: Undertaking as to integrity and audit rights, Tender or contract No. ……

- We, ……, having our registered office at ……, have been engaged by …… as an approved subcontractor for the work package identified below, approved in writing by the Department on …….

Table N.13: Format Q-15: the work package subcontracted

Serial	Work package as described in the contract	Percentage of contract value it represents	Date of the Department's written approval

- We give, in our own right and in favour of the Department, every commitment given by the Bidder at clause 2 of the Integrity Pact at Format Q-1, and we accept the disqualification and consequences at clause 3 of that Pact as they apply to us.
- We accept the jurisdiction of the independent external monitors appointed under clause 4 of that Pact, and we shall grant them unrestricted and unconditional access to our records relating to this contract.
- Audit rights. We grant to the Department, to the Independent Auditor appointed by the Department and to any statutory or constitutional audit authority the right to inspect, audit and take copies of our records relating to this work package, on request during the term and thereafter until the later of five years from the close of the contract and the expiry of the retention period applicable to the record at Annexure L, and we undertake to retain every such record for that period and not to destroy any of them within it.
- We declare that we do not stand blacklisted, debarred or suspended by any Central Government or State Government department, public sector undertaking, autonomous or statutory body, or procurement platform as at the date of this undertaking, and we undertake to notify the Department in writing within seven working days of any change in that fact.
- We acknowledge that the System Integrator remains wholly responsible to the Department as if it had performed this work package itself, and that nothing here creates any contractual relationship between us and the Department or any claim by us against the Department.

Signature …… Name …… Designation …… For and on behalf of the subcontractor …… Date …… Place ……

Countersigned for and on behalf of the System Integrator: Signature …… Name …… Designation …… Date …… Place ……

N.17 Execution, stamping, verification and what a defect of form does not do

Table N.14: Execution and verification requirements common to every format

Requirement	Rule
Signatory	A person authorised to bind the entity, with the instrument of authority produced: a board resolution, a power of attorney or an equivalent
Consortium	Each member signs in its own right; the lead member additionally signs for the consortium. A signature by the lead member alone does not discharge another member's obligation
Letterhead and stamping	Declarations Q-2 to Q-6, the curricula vitae Q-14 and the declaration Q-16 on the bidder's letterhead, Q-16 being executed separately by each consortium member on its own letterhead; the completion certificate Q-8 on the letterhead of the bidder's client; the principal's letters Q-7 and Q-12 on the principal's letterhead; the principal's licensing continuity undertaking Q-11 on non-judicial stamp paper of the value applicable; the subcontractor's undertaking Q-15 on the subcontractor's letterhead; the trainer statement Q-13 on the System Integrator's letterhead; the Integrity Pact and the guarantees Q-9 and Q-10 on non-judicial stamp paper of the value applicable
Language	English, or Hindi with an English translation certified by the signatory. A departure in language is a curable defect
Guarantee verification	Every guarantee is verified by the Department independently with the issuing branch and its controlling office before it is acted upon, and the verification record is retained with the procurement dossier
Guarantee validity and the claim period	Every guarantee carries a validity date and a claim date. The claim date is the date falling twelve months after the validity date, and that period applies to every guarantee furnished under this Request for Proposal. The Bank undertakes to extend both dates on the Beneficiary's written request, and a failure to extend on request entitles the Department to invoke the instrument. A guarantee furnished with a claim period shorter than twelve months, or with the claim date left blank, is not accepted, and the defect is curable within a period the Department states in writing of not less than seven working days
Issuing	An issuing bank as defined at Chapter 15, being a scheduled commercial bank in India, and accepted from that set alone and from no

Requirement	Rule
bank	narrower or wider one. No bidder is required to obtain a guarantee from a named bank, and no set of banks accepted in one clause of this Request for Proposal is narrowed in another
Retention	Executed declarations, letters, certificates and guarantees are retained with the procurement dossier under Annexure L
Curable defects	An unsigned page, a missing witness, an omitted seal, a departure from the published layout, a translation not certified, or a certificate lacking a contact particular the client cannot give: each is curable within a period the Department states in writing, of not less than seven working days
Non-curable defects	A statement of fact that is false; the absence of the Integrity Pact; the absence of the bid security required by the norms of the Government e-Marketplace, or of the claimed statutory exemption; the absence of an authorisation for an authorisation-required item where no written refusal or unanswered request is produced; and the absence of the licensing continuity undertaking at Format Q-11 for a software item offered, or its qualification in any respect; and the absence of the declaration at Format Q-16, or of a certificate of registration relied on in it

The Department will seek the cure of a formal defect rather than reject on it; will accept an anonymised or authority-attested reference where a forensic client cannot be named; will accept the alternative evidence package at Chapter 15 where a completion certificate cannot be obtained; and will weigh a principal's refusal to authorise against its own specification rather than against the bidder that suffered it. What it will not cure is a false statement, because a declaration that can be made falsely without consequence secures nothing.

N.18 Format Q-16: Declaration on Restrictions under Rule 144(xi) of the General Financial Rules, 2017

(On the letterhead of the bidder, and separately by each consortium member.)

To the Programme Director, Cyber Investigation and Digital Assistance Lab, Uttar Pradesh Police. Subject: Declaration under Rule 144(xi) of the General Financial Rules, 2017, Tender No. ……

- We have read and understood the eligibility restriction at Chapter 15, criterion PQ-08A, and the order at Chapter 2, Table 2.2 under which it is imposed.
- We certify that we are not from a country which shares a land border with India; or, where we are, that we are registered with the Competent Authority constituted for the purpose, and we attach that certificate of registration, valid as at the bid due date.
- We certify that no consortium member, no subcontractor we propose to engage, and no principal of any item we offer is from a country which shares a land border with India; or, where any of them is, that it is registered with the Competent Authority, and we attach each such certificate, identifying the entity to which it relates and the item or work package concerned.
- We undertake that we shall not engage any subcontractor from a country which shares a land border with India, at any time during the term, unless that subcontractor is registered with the Competent Authority and the Department has approved the engagement in writing.
- We understand that a false declaration under this format is a ground for rejection of our bid before award and for termination for default after it, in addition to the consequences stated in the Integrity Pact at Format Q-1 and those available in law.

Signature …… Name …… Designation …… For and on behalf of …… Date …… Place ……