

REQUEST FOR PROPOSAL

Selection of SI for “Upgradation of post graduate laboratories (modular lab) and purchase and Installation of Scientific Equipment’s at main campus of Vijayanagara Sri Krishnadevaraya University, Bellary”.

Request for Proposal (RFP) No.-**BECIL/RO/VSKU/LE/2026-27/01**

Dated: **16 September 2026**

Issued By- General Manager, BECIL, Regional Office, Bangalore



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DISCLAIMER

The information contained in this Request for Proposal document (the “RFP”) 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 RFP and such other terms and conditions subject to which such information is provided. This RFP 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 RFP is to provide interested parties with information that may be useful to them in making their offers (Bids) pursuant to this RFP. This RFP 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 RFP 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 RFP. 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 RFP and obtain independent advice from appropriate sources. Information provided in this RFP 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 RFP or otherwise, including the accuracy, adequacy, correctness, completeness or reliability of the RFP and any assessment, assumption, statement or information contained therein or deemed to form part of this RFP 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 RFP. 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 RFP. The issue of this RFP 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 RFP does not guarantee selection of bidder.

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ABOUT BECIL

Broadcast Engineering Consultants India Limited (BECIL), an ISO 9001:2015, 27001:2013, ISO/IEC 20000-1:2018 certified Mini Ratna Central Public Sector Enterprise (CPSE) 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 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.

Invitation of Bids

REQUEST FOR PROPOSAL For “**Upgradation of post graduate laboratories (modular lab) and purchase and Installation of Scientific Equipment’s at main campus of Vijayanagara Sri Krishnadevaraya University, Bellary.**”

Request for Proposal (RFP) No: BECIL/RO/VSKU/LE/2026-27/01 Dated: 16 September 2026

1. Online bids are invited for providing equipment/services listed in Part II of this RFP and submission of the bids will be online only on **GeM Portal** (<https://gem.gov.in/>) Manual bids shall not be accepted. Tender document can be viewed and downloaded from <https://www.becil.com> and <https://gem.gov.in/>.
2. Address and contact number for sending Bids or seeking clarifications regarding this RFP are given below: -
[General Manager BECIL,](#)
[Bangalore](#) 162, II Main, I Cross, AGS Layout,
RMV II Stage, Bengaluru – 560094
[\(080-2341 5853\)](tel:080-23415853), [email : bangalore@becil.com](mailto:bangalore@becil.com)
3. This RFP is divided into Six Parts as follows:
 - 3.1. **Part I** – Contains General Information and Eligibility and Evaluation Criteria for Bidders about the RFP such as the time, place of submission and opening of tenders, Validity period of tenders, etc.
 - 3.2. **Part II** – Contains essential details of the items/services required, such as the Schedule of Requirements (SOR), Technical Specifications, Delivery Period, Mode of Delivery and Consignee details.
 - 3.3. **Part III** – Contains Standard Conditions of RFP, which will form part of the Contract with the successful Bidder.
 - 3.4. **Part IV** – Contains Special Conditions applicable to this RFP and which will also form part of the contract with the successful Bidder.
 - 3.5. **Part V** – Contains Annexures.
4. This RFP is being issued with no financial commitment and the Buyer reserves the right to change or vary any part thereof at any stage. Buyer also reserves the right to withdraw the RFP, should it become necessary at any stage.

Part- I General
Information,
Eligibility Criteria and Evaluation Criteria

Tender information summary

Basic Tender Details			
Tender Title/ Name of the project	Upgradation of post graduate laboratories (modular lab) and purchase and Installation of Scientific Equipment's at main campus of Vijayanagara Sri Krishnadevaraya University, Bellary.		
Tender Reference Number	BECIL/RO/VSKU/LE/2026-27/01. Date: 16/09/2026.		
Tender Type	Open Tender	Tender Category	Services
No. of Covers	Two Covers		
Selection Method	Least Cost Based Selection (LCBS)		
Form of BOQ/ Contract	Lump Sum		
Authority on whose behalf RFP is invited	Vijayanagara Sri Krishnadevaraya University (VSKUB) - Client/User		
Tender Inviting Authority (TIA)	BECIL	Address	#162, II Main, I Cross, AGS Layout, RMV II Stage, Bangalore – 560094
Published Date	16/09/2026	Proposal Validity (Days from the date of Proposal opening)	180 Days
Site visit	Bidders have to make site visit Vijayanagara Sri Krishnadevaraya University (VSKU), Bellary. (on working days from 10:00 am to 5:00 pm-Except Saturday and Sunday). Bidders have to contact (Mob: - 080-2341 5853 and Email Id: roprojects1@becil.com) before scheduling their site visit.		
Last date for submission of Prebid queries through email	29/09/2026, Time: 12:00Hrs roprojects1@becil.com		
Proposal Submission Closing Date & Time			07/10/2026 & 5:00 PM
Period of Contract	6 Months for execution and 3 Years warranty from the date of project acceptance/handing over to VSKUB.		
EMD Exemption:	Yes, for MSE, MSE have to give undertaking as per GFR condition 170(iii) (MSE condition will not be applicable to the traders)		
EMD Amount in INR: Online/BG: EMD shall be paid online or a copy of the original BG to be uploaded in the GEM CPPP	Rs.17,62,920 /- (seventeen lakhs sixty-two thousand nine twenty only)	Bid Securing Declaration permitted in lieu of Bid Security	YES, for MSE (Bidder should provide declaration as per the annexure) Copy of the BG/DD/Online payment receipt should be submitted in the online bid.
As per Rule 170 of General Financial Rules (GFRs) 2017, Micro and Small Enterprises MSEs) and the Firm/Company is registered			

The EMD amount shall be uploaded in the GeM portal.	with concerned Ministries/ Departments are exempted from submission of Bid Security.
The validity of BG shall be six months / 180 days/ The validity of DD shall be three months / 90 days from the date of bid submission due date.	Medium Enterprises are not exempted in paying EMD amount. EMD -BG /DD/ Online transfer should be in the favor of Beneficiary Name: Broadcast Engineering Consultants India Limited Bank Name: UNION BANK OF INDIA Branch Name: Raj Mahal Vilas Extension Account Number: 510331001272052 Type of Account: CURRENT ACCOUNT IFSC Code: UBIN0905828 Note: The original Bank Guarantee (BG) / Demand Draft (DD)/ Receipt of Online payment shall be submitted to the BECIL Regional Office, Bangalore, within three (3) days before the bid submission due date & time. If the submission deadline or the last day of this period falls on a holiday, the BG may be submitted on the next working day.

1. Last date and time for submitting the Bids: 07 October 2026 17:00 pm

The online bids should be submitted by the due date and time. The responsibility to ensure this lies with the Bidder.

2. Manner of submitting the Bids: Online bids should be submitted in the manner prescribed in the relevant e-Procurement Portal. A brief Description of Evaluation process is mentioned in Section 26 to Section 32 from Page 17 of this RFP. However, Bidder is solely responsible to ensure all prerequisites of online bidding on **GeM Portal** before bidding.

3. Time and date for opening of Bids: 09 October 2026 11:00 am

(If due to any exigency, the due date for opening of the Bids is declared a closed holiday, the Bids will be opened on the next working day at the same time or on any other day/time, as intimated by the Buyer).

4. Place of opening of the Bids: Conference Room First Floor, BECIL RO Bangalore

The Bidders may depute their representatives, duly authorized in writing, to attend the opening of Bids on the due date and time. This event will not be postponed due to non-presence of any bidder's representative. The final outcome of Technical & Financial Evaluation shall also be updated on online bidding portal.

5. Two-Bid system: In case of the Two-bid system, only the Technical Bid would be opened on the time and date mentioned above. Date of opening of the Commercial Bid will be intimated after acceptance of the Technical Bids. Commercial Bids of only those firms will be opened, whose Technical Bids are found compliant/suitable after technical evaluation is done by the Buyer. Throughout the RFP Documents, the term "Bid", "Tender" and "Offer" are synonyms and have been used interchangeably.

- 6. Submission of Bids & Authorised Signatory:** Bids should be submitted online by Bidders under their Digital Signature. The authorised signatory to the bid and/or any documents thereof, shall be the director(s)/Board of Directors or their representative duly authorised vide Power of Attorney signed by the Director(s)/Board of Director of the bidder company
- 7. Clarification regarding contents of the RFP:** Pre bid queries may be submitted via email till 29 September 2026. **The** bidders have to submit their queries in writing at least by 12:00 hrs on the previous day of the scheduled date of Pre-Bid Query submission. All the queries received on or before the stipulated date shall be considered as agenda of the pre-bid meeting. The clarification thereof shall be published by the buyer after the pre-bid meeting. No queries shall be entertained after the due date and time of receipt of pre-bid queries as mentioned above.
- 8. Modification and Withdrawal of Bids:** No bid shall be modified after the deadline for submission of bids. No bid may be withdrawn after the submission of bids till the evaluation of the bids are completed or till the validity period of the bid, whichever is earlier. Withdrawal of a bid during this period will result in Bidder's forfeiture of bid security.
- 9. Clarification regarding contents of the Bids:** During evaluation and comparison of bids, the Buyer may, at its discretion, ask the bidder for clarification on their bid. The request for clarification will be given in writing and no change in prices or substance of the bid will be sought, offered or permitted. However, Buyer also reserves the right to call for additional information from the bidders. No post-bid clarification on the initiative of the bidder will be entertained.
- 10.** BECIL reserves the right to solicit additional information from Bidders to evaluate the bids. Additional information may include, but not limited to, past performance records of bidders, Proven Track Records of OEMs quoted by the bidder, detailed presentation on approach & Methodology or any other pertinent information as deemed necessary by the evaluation committee during evaluation of the bids. It will be bidder's responsibility to check for updated information on BECIL's website www.becil.com or relevant portal as specified in the RFP (if any).
- 11. Addendum/ Amendment to the RFP**
At any time prior to the deadline for the submission of the Bids by the Bidders, BECIL, i.e. the buyer shall have the discretion to amend the RFP at its own initiative or in subsequence to a clarification sought by the prospective Bidder. The Amendment / Addendum shall form an integral part of the RFP and shall be binding on all the prospective bidders.
- 12. Rejection of Bids:** Canvassing by the Bidder in any form, unsolicited letter and post-tender correction may invoke summary rejection with forfeiture of EMD. Conditional tenders will be rejected.
- 13. Validity of Bids:** The Bids should remain valid for **180 Days** from the last

date of submission of the Bids. Bidder to give the undertaking as per Annexure- H.

14. 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.

15. Earnest Money Deposit:

15.1. Bidders are required to submit Earnest Money Deposit (EMD) for amount **of Rs.17,62,920/- (seventeen lakhs sixty-two thousand nine twenty only)** along with their bids. The EMD may be submitted in the form of a Fixed Deposit Receipt, or Bank Guarantee from any of the Commercial Bank or online payment in acceptable form. EMD is to remain valid for a period of forty-five days beyond the final bid validity period. EMD of the unsuccessful bidders will be returned to them at the earliest after expiry of the final bid validity and latest on or before the 45th day after the award of the contract under the RFP. The EMD of the successful bidder would be returned, without any interest whatsoever, after the receipt of Performance Security/PBG from them as called for in the LOA/ WO/ Contract. **Scan Copy of EMD to be uploaded with Tender documents, Hard copy to be mailed to BECIL 162, II Main, I Cross, AGS Layout, RMV II Stage, Bengaluru – 560094 (080-2341 5853), mentioning Tender Number on Cover of Envelope along with Name of Firm. The Bids should reach before Bid Opening date.**

15.2. 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.

15.3. That any Bid not secured in accordance with Earnest Money Deposit will be rejected by BECIL by virtue of being un-responsive.

15.4. Exemption to Startups and MSMEs shall be given as per GoI guidelines. Exempted firms must submit Bid Securing Declaration as per Annexure E In lieu of Bid Security (i.e. EMD) along with valid registration certificate (for tendered item mentioned in this RFP), else bids shall be rejected.

15.5. Notwithstanding anything contained in the RFP, the Earnest money deposit may be forfeited by BECIL in the following circumstances:-

15.5.1. If a Bidder withdraws their bid during the validity period.

15.5.2. If the Bidder is found indulgent in fraudulent, collusive, unlawful, unethical or coercive practice.

15.5.3. During the bid process, if a Bidder indulges in any such deliberate act as would jeopardize or unnecessarily delay the process of bid evaluation and finalization.

15.5.4. If a bidder submits any false or fabricated documents.

15.5.5. In the case of successful Bidder, if the Bidder fails to sign the contract or accept work/ purchase/ supply orders.

15.5.6. In case if the Bidder fails to furnish the Performance bank guarantee/ security within specified time without any valid reason.

15.6. Special Instructions to contractors/Bidders for e-submission of bids online through e-procurement Portals may be adhered to. The details of the Earnest Money Deposit (EMD), documents submitted physically to the buyer and the scanned copies furnished at the time of bid submission online should be same otherwise the Tender will be summarily rejected.

15.7. The EMD instruments and certificates/documents etc. should be dropped in either Tender Box Marked/ Superscribed Title, RFP number and date of opening of the Bids and other relevant details or sent by registered post at the address given above so as to reach on or before the due date and time of submission of bid.

15.8. Bank details for provisioning of EMD:

EMD -BG /DD/ Online transfer should be in the favor of

Beneficiary Name: Broadcast Engineering Consultants India Limited

Bank Name: UNION BANK OF INDIA

Branch Name: Raj Mahal Vilas Extension

Account Number: 510331001272052

Type of Account: CURRENT ACCOUNT

IFSC Code: UBIN0905828

16. Undertaking for Blacklisting: That the Prospective Bidder 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. An undertaking to this effect must be submitted by the bidder on their letterhead duly signed by the authorized signatory of the bidder as per Annexure- J.

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

In the event, if the Bidder chooses to be discreet and conceal about its status, then it shall be construed as a misrepresentation of facts and shall lead to an appropriate action by BECIL.

17. Status of Bidder: The Bidder should not be undergoing any liquidation/insolvency proceedings or merger/demerger on the due date of

the submission of the bid. **An undertaking to that effect must be submitted by bidder on their letterhead duly signed and stamped by authorized signatory of the bidder.** In case of any change in the status of declaration by the Bidder post submission of bid including the change in business/management, the same shall be notified by Bidder to the BECIL in a span of seven days from the date of initiation of such proceedings. In case, of liquidation, the work order/contract executed with the bidder shall be terminated forthwith by giving a notice of termination of thirty days.

18. 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.

19. Site Visit:

- 19.1. It shall be the responsibility of the Bidder to visit the Premises/ Site where the work is to be performed or services is to be delivered in order 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.
- 19.2. 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.
- 19.3. After making the site visit, bidder should quote after understanding the clear requirements of the project scope of work and consider the civil works, electrical works quantities where BOQ items are mentioned in lot, HVAC, Electrical works, Civil works, interior works, IT installation materials, software's, all labour and services required to complete the scope of project as per the project scope of work meeting to the site conditions and to the satisfaction of Client.

20. Wrong Information/ Concealment: In case work order is awarded to any company/ firm and later it is found by BECIL, that the agency has furnished wrong information/ declaration or not disclosed any material information to BECIL while submitting bid, BECIL reserves the right to cancel the work order awarded to company/ firm. Further BECIL reserves

the right to forfeit the Bank Guarantee of the Bidder. The pending work will be done on the risk & cost of the bidder.

21. Confidentiality: All information contained in this RFP, or provided in subsequent discussions or disclosures, is proprietary and confidential. No information may be shared with any other organization, including potential sub-contractors, without prior written consent from BECIL.

22. Commercial Bid Requirement: The commercial bid shall clearly indicate the price to be charged without any qualification whatsoever and should include all packing and forwarding, transportation, transit insurance, taxes, duties, fees, levies and other charges as may be applicable in relation to the activities proposed to be carried out. All such charges shall be included in the rates quoted in the prescribed format.

The bidder shall be responsible for any damage to the equipment / site occurred due to negligence of bidder and cost of repair / replacement for the same will be recovered from the bidder.

23. Proposal Response Format:

23.1. The Bid response must be submitted in English Only. All the documents including the supporting documents/ enclosures etc. must be Calibri/Arial/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. Each and every page of the bid should be numbered and mention the relevant page no. Bid Documents which are not legible may be rejected.

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

24. Instructions for Online Bid Submission: If interested, kindly submit your offers through online bids via the E-Tendering Process specified at the portal <https://gem.gov.in/> before end date/time.

25. PRE- QUALIFICATION ELIGIBILITY CRITERIA

S.No	Basic Requirements	Specific Qualification Criteria	Documents to be submitted
01.	Legal Entity	1. Bidder should be a company registered in India under the Indian Companies Act, 2013 (erstwhile companies Act, 1956) or Limited Liability partnership (LLP). / Proprietorship company registered under Govt. of Karnataka for a minimum of 5 years 2. Registered with Goods and Services Tax Network (GSTN) and PAN.	Copy of Certificate of Incorporation/ Establishment Registration / Memorandum & Articles of Association/Registration Certificate. Valid GSTIN and copy of GST Registration Certificate. Copy of PAN.
02.	EMD	Rs.17,62,920 /- (seventeen lakhs sixty-two thousand nine twenty only) through online/Valid BG copy submission as per the given format of annexure /as per the format mentioned in the GEM Portal) Refundable and no interest will be payable. Note: Hardcopy of the original BG has to be submitted at BECIL, Bangalore office before the bid submission due date and time.	Bidder has to upload the legible copy of the EMD in the portal. Only MSME's are exempted from Paying EMD. (As per Rule 170 of General Financial Rules (GFRs) 2017, Micro and Small Enterprises (MSEs) and the firms registered with concerned Ministries are exempted from submission of EMD on the basis of submission of valid certificates. Note: Updated and valid MSME/ UDHYAM/ NSIC certificate and bid security declaration to be uploaded in CPPP for getting the EMD exemption. (As per Rule 170 of General Financial Rules (GFRs) 2017, Micro and Small Enterprises (MSEs)and the Firm/Company is

			registered with concerned Ministries/Departments are exempted from submission of Bid Security).
03.	Local Office in the State	The Bidder should have office in Karnataka. Else, the bidder should give an undertaking that they shall open an office in Karnataka within one month on award of contract/ placement of work order.	Proof of office in Karnataka State- GST documents/Registration document
04.	Certifications	The bidder should hold relevant certifications The below certifications are required. 1. ISO 9001:2015 2. ISO 14001:2015 3. ISO 27001:2022 4. ISO 45001:2018 5. CMMI Level 3 Certificate	Copy of valid certificates. The certificates should be valid on bid submission date.
05.	Bidder Past Experience	The Bidder should have Minimum 05 years of experience in Setting up of various Educational Lab Equipment (Science Labs/ Electronics and Electrical Labs/ Automation Labs etc.) to Technical and Conventional Educational Institutions. Bidder should have executed in any one of the last 5 years minimum of following works as prime contractor to any State Government/UT/PSU or Central Government or by any other Government Organization or Universities. 1. Three projects of each	Documentary evidence for work and contract value, along with client contact details, and the form of work order or completion certificate from the client.

		project value not less than Rs 3.52 Crores or 2. Two projects of each project value not less than Rs.4.40 Crores or 3. One project of each project value of not less than Rs. 7.05 Crores	
06.	Site visit	It is mandatory for bidders to visit the site and submit a site visit certificate along with the GEO tagged photos.	Site visit certificate as per annexure.
07.	Turnover	Average Annual turnover of the bidder must be Min Rs. 10 Crores during the last three financial years (FY2022-23, FY2023-24, FY2024- 25)	Copies of Statutory auditor's certificate & copies of audited balance sheets for last 03 financial years (FY2022-23, FY2023-24, FY2024-25) duly certified the Chartered Accountant with CA's registration number, UDIN No and seal. Certificate should be as per the Format Attached.
08.	Bank Solvency Certificate	Solvency Certificate The bidder shall submit a Solvency/Banker's certificate /Bank sanction limit letter issued, indicating an amount equal to or not less than Rs. 3.0 Crores (Rupees Three Crores Only). A copy of the fresh Solvency issued by any Scheduled Bank/ Scheduled commercial bank is required to be uploaded and submitted which is issued on a letter after the publishing of this tender and before the submission of this tender.	Copy of the valid Solvency/Banker's certificate/Bank sanction letter to be enclosed in the Technical Bid.
09.		Bidder should have minimum 3 inhouse Lab Equipment	List of the Key staff mentioning their key position / roles and their

	Key staff	technicians with certifications from any reputed Lab Equipment OEM, Quoted in the Tender.	qualification and experience should be certified by the bidder.
10.	Blacklist Declaration	The Bidder should not be blacklisted / debarred/ banned/ restricted by any Union Govt/State Govt./ PSU or any Central or State govt. Entity as on date of submission of the Bid.	A Notarized Affidavit on Rs. 100/- stamp paper signed by the Authorized Signatory of the Bidder.
11.	Power of Attorney for Authorized Signatory	Power of Attorney to be on non- judicial stamp paper Rs. 500 as per Indian Stamp Act.	Board resolution /Power of attorney (Notarized)/ Self declaration by the bidder (in case of proprietor).

26. Technical Qualification Framework:

S I. N o	Evaluation Criteria	Max Score in marks	Documents required/to be submitted
PART A: Technical Evaluation Stage - I			
a.	Organization Profile & Experience		
1	Turnover: The bidder must have a Minimum Average Annual Turnover of Rs.10 Crores during the financial years FY2022-23, FY2023-24, FY2024- 25 1.Total average turnover of not less than Rs.10 Crores Max 3 Marks 2.Total average turnover above Rs.10 Crores and below Rs.12 Crores Max 5 Marks 3. Total average turnover of more than Rs.12 Crores Max 10 Marks	10	Copies of Statutory auditor's certificate & copy of audited balance sheets and profit and loss accounts for 3 financial years (FY2022-23, FY2023-24, FY2024- 25) duly certified by the Chartered Accountant with CA's registration number, UDIN No and seal. Format Attached in the Annexures
	The Bidder should have Minimum 05 years of experience in Setting up of various Educational Lab Equipment (Science		

2	Labs/Electronics and Electrical Labs/Automation Labs etc.) to Technical and Conventional Educational Institutions. Bidder should have executed in any one in the last 5 years minimum of following works as prime contractor to any State Government/UT/PSU or Central Government or by any other Government Organization or Universities. 1. Three projects of each project value not less than Rs 3.52 Crores or Two projects of each project value not less than Rs.4.40 Crores or One project of each project value of not less than Rs. 7.05 Crores Max-5 marks 2. One project value more than Rs. 7.05 Crores and upto 8.5 Crores Max10 Marks 3. One project value of more than Rs. 8.5 Crores Max 15 marks	15	Work order or completion certificate from the client clearly mentioning the value of the project with project details.
4.	Bidder's work experience in Kalyan Karnataka region The bidder should have executed at least one lab project in Kalyana Karnataka region through any State Government/PSU or Central Government or by any other Government Organization or Universities in the last 05 years.	5	Documentary evidence for work along with client contact details, in the form of work order or completion certificate from the client.

5	Number of Government Projects completed in the last 5 years. 1. The bidder should have Executed two State / Central Government projects-Max. 5 marks 2. The bidder should have Executed three State / Central Government organizations or Universities projects Max. 10 marks 3. The bidder should have Executed Five State / Central Government projects Max. 15 marks	15	Copies of work orders or completion certificates certification from the client.
4	Bidder should have following valid certificates: 1. ISO 9001:2015 - 2 Marks 2. ISO 27001:2022 – 2 Marks 3. ISO 14001:2015 – 2 Marks 4. ISO 45001:2018 – 2 Marks 5. ISO 20000-1:2018 – 2 Marks	10	Bidder should upload the copy of the certificate
5	Bidder should have following valid certificates: CMMI Level 3 Certificate – 2 Marks CMMI Level 5 Certificate – 3 Marks	5	Bidder should upload the copy of the certificate

Part A total marks: **60 Maximum**

Note: Only those bidders who scores equal or more than **40 marks in PART A Technical Evaluation Stage - I** will be for Technical Evaluation stage -II (Presentation stage):

PART B: Technical Evaluation stage -II:

b.	Technical Presentation: Domain Knowledge, project implementation Approach & Methodology.		
1	Bidder should submit a detailed technical presentation comprising of the Implementation Approach, Methodology, detailed project implementation plan to complete the project and best practices. 3D Design plan solution for placement of equipment's in the labs. Sample Demonstration. Bidder Presentation comprising Bidder past project experience, capabilities list of major supplies in India.	40	Bidder should enclose all the information with Technical Presentation document along with the technical bid.
	Part B total marks: 40 Maximum		

27. PRELIMINARY EVALUATION

Part- II

Essential Details of Items/ Services required

Scope of Work: Supply of fixing lab equipment's testing with 03 years of warranty for all the supplied items.

Upgradation of post graduate laboratories (modular lab) of Scientific Equipment's at main campus.

Estimated requirements:

Sl. No	Items
1.	5 Feet Benchtop Fume Hood
2.	Laboratory Drying Oven 250 °C
3.	Water Bath
4.	Mini Rotary Shakers
5.	Magnetic Stirrers
6.	Laboratory Centrifuge
7.	Visible Spectrophotometer
8.	Electronic Balances
9.	Digital Potentiometer
10.	Digital Conductivity Meter
11.	Hotplate
12.	Soxhlet Apparatus
13.	Heating Mantle
14.	Water Distillation Unit
15.	Oil-free Vacuum Pump
16.	Ultra Sonic Cleaner
17.	Ice maker
18.	Digital Melting Point Apparatus
19.	Temperature Muffle Furnace
20.	Digital Turbidity Meter
21.	Digital Flame Photometer With Compressor
22.	PH Meter
23.	Magnetic Stirrers
24.	Refrigerated centrifuge
25.	Rotary Shakers
26.	Vacuum oven
27.	Cryocan
28.	Sonicator Frequency(PROBE SONICATOR)
29.	Rotary Shaking Incubator
30.	Weighing Balance
31.	Micropipettes
32.	Microwave oven
33.	Vertical Laminar Flow Cabinet
34.	Stereomicroscope With Camera ,Software and suitable Desktop
35.	Microscope
36.	Binocular microscope
37.	Biosafety hood -1

38.	Horizontal Deep Freezer(-20°C)
39.	Refrigerator
40.	UV-VIS Double Beam Spectrophotometer (with PC)
41.	PCR
42.	GEL DOC
43.	Nano Drop Lite Plus Spectrophotometer
44.	Western Blotting Unit
45.	The horizontal electrophoresis unit
46.	SDS Page
47.	Lyophilizer
48.	Vertical Laboratory Autoclave (Pedal Free)
49.	Analytical Balance
50.	PCR machine
51.	UV-Vis double beam spectrophotometer
52.	Micro centrifuge
53.	Vertical Laboratory Autoclave (Pedal Free)
54.	LABORATORY PRECISION OVEN Uniform Temperature 250°C / 225° C
55.	Microscopes
56.	BOD Incubator
57.	Orbital shaker with incubator
58.	Shaking water bath
59.	BACTERIOLOGICAL INCUBATOR with forced air recirculation
60.	Digital Ultrasonic Bath
61.	Digital weighing balance
62.	Deep Freezer
63.	Single Beam VISIBLE Spectrophotometer
64.	Trinocular Research Microscope
65.	Binocular microscopes
66.	Stereo Zoom Microscope
67.	"Dissection Microscope
68.	UV Visible Spectrophotometer Fixed Bandwidth, 190-1100 nm
69.	Laboratory Deep Freezer, -80 c
70.	Digital Orbital Shaker
71.	Compound Microscope
72.	Digital Rotary Evaporator
73.	Cooling centrifuge
74.	Microscopes
75.	Refrigerators
76.	Deep freezer -80
77.	Biosafety hood
78.	Orbital shaker with incubator
79.	Gradient PCR
80.	Western Blotting Unit

81.	Cooling water bath Make:kemi/ remi/equivalent/LABY
82.	Ice maker
83.	Lyophilizer
84.	Elisa Reader
85.	BOD Incubator
86.	Colony counter
87.	Fully Automated Rotary Microtome
88.	Homogenizers
89.	Microscope Trinocular with computer
90.	RT PCR Machine

1.Delivery / Warranty Period

- Unless terminated in accordance with the provisions of this Contract, the selected system integrator shall be given a period of Six (6) Months for the completion of project at Vijayanagara Sri Krishnadevaraya University (VSKU), Bellary. Commencing on the date of issuing the Letter of acceptance (LoA).
- If Client changes its policy regarding project or duration of the project and its reimbursement, then Contract should be amended in accordance with the provisions of client.
- Three Years of warranty period will be considered from the date of successful project handing over and acceptance of the project by Vijayanagara Sri Krishnadevaraya University (VSKU), Bellary.
- The system integrator should perform preventive maintenance activities in every quarter during the warranty. A report should be submitted after each quarterly performed maintenance activities.

2.Consignee Details

Vijayanagara Sri Krishnadevaraya University (VSKU), Bellary, Karnataka.

3.Quantity Variation Clause

BECIL reserves the right to either increase or decrease the quantity of any or all the items/services included in the indicative Bill of Material (BoM) and maintenance scope, which are estimated requirements and therefore open to variation.

Part- III
Standard Conditions of RFP

NOTE: The Bidder is required to give confirmation of their acceptance of the Standard Conditions of the Request for Proposal mentioned below which will automatically be considered as part of the Contract concluded with the successful Bidder (i.e. Seller in the Contract) as selected by the Buyer. Failure to do so may result in rejection of the Bid submitted by the Bidder.

1. 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.

2. INTELLECTUAL PROPERTY RIGHTS

- 2.1. Deliverable, outputs, plans, drawings, specifications, designs, reports and other documents and software submitted by the Bidders under this RFP and subsequent to this RFP 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.
- 2.2. 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.
- 2.3. 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.
- 2.4. 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 herein-above, the Bidder shall be under an obligation to enter into such agreements at its own sole cost, expense and risk.

3. LAND AND BORDER PROVISION

The Undertaking at Annexure 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.

4. INDEMNITY

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:

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

5. CODE OF INTEGRITY

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

- 5.1. Offering of any bribe or undue gratification in any form to BECIL or its officials, or indulging in any corrupt practices.
- 5.2. 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.
- 5.3. 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.
- 5.4. Any financial or business transactions between the Bidder and any official of BECIL related to tender or execution process of contract, which can affect the decision of BECIL directly or indirectly.
- 5.5. Any coercion or any threat to impair or harm, directly or indirectly, any party or its property to influence the procurement process.
- 5.6. Obstruction of any investigation or auditing of a procurement process.

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

6. 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:

- 6.1. Directly or indirectly controls, is controlled by or is under common control with another Bidder; or
- 6.2. Receives or have received any direct or indirect subsidy/ financial stake from another Bidder; or
- 6.3. 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
- 6.4. 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
- 6.5. 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
- 6.6. 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:

- 6.6.1. 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
- 6.6.2. 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.
- 6.7. Bidder to give undertaking to this effect as per Annexure- D.

7. UNDUE INFLUENCE

- 7.1. 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 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.
- 7.2. 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 BECI 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.

8. UNLAWFUL /UNETHICAL PRACTICES

- 8.1. If the Contractor/ Bidder has engaged in corrupt, fraudulent, collusive and coercive practices or defaulted commitments under integrity.
- 8.2. 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.
- 8.3. 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:

9. PENALTY FOR BREACH OF INTEGRITY, CONFLICT OF INTEREST, UNDUE INFLUENCE AND UNETHICAL PRACTICES

- 9.1. Forfeiture of Bank guarantee or any other bond or bid security submitted by the Bidder.
- 9.2. Cancellation/ termination of the Contract with the liberty to recover the

accrued losses/damages from the Bidder from the dues payable to the bidder in the present or any other contract with BECIL, including imposition of penal damages.

- 9.3. 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 Agency.

10. BLACKLISTING/ DEBARMENT

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.

11. RISK AND COST CLAUSE

- 11.1. 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 any other willing vendor at the risk and cost of the Bidder.
- 11.2. Risk & Cost Clause, in line with Conditions of Contract may be invoked in any of the following cases:
- 11.3. 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.
- 11.4. Withdrawal from or abandonment of the work by Bidder before completion of the work as per contract.
- 11.5. 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.
- 11.6. Termination of Contract on account of any other reason (s) attributable to Agency/ Bidder
- 11.7. Assignment, transfer, subletting of Contract by the Agency/Bidder without BECIL's written permission resulting in termination of Contract or part thereof by BECIL.

12. PENALTIES

- 12.1. 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.

- 12.2. 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.

13. CONFIDENTIALITY

- 13.1. 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.
- 13.2. 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) at 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.

14. RIGHT TO INSPECTION

- 14.1. 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 and when required.
- 14.2. 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.

15. Termination of Contract:

15.1. Termination for Unsatisfactory Performance-

15.1.1. If the Contractor/Agency (hereinafter “Bidder”) fails to execute the specified quantum of work, or any part thereof, with due diligence or within the time stipulated in the RFP or subsequent Work Order(s), BECIL may, by written notice, require the Bidder to remedy the deficiency within 15 days (“Cure Period”).

15.1.2. If the Bidder fails to cure the deficiency within the Cure Period, BECIL may issue a **Notice of Termination** providing **15 days** from the date of such notice, after which the Contract shall stand terminated, without prejudice to any other remedies available under law or the Contract.

15.2. Termination for Breach

15.2.1. The Buyer shall have the right to terminate the Contract, either wholly or in part, unilaterally and without prejudice to any other remedies available under law or the Contract, if:

- i. The Seller fails to deliver services/equipment in accordance with the specifications, timelines, and quality standards set forth in the RFP and the Contract; or
- ii. The Seller commits a material breach of its obligations and fails to cure the same within the notice period stipulated in the termination notice issued by the Buyer.

15.2.2. Without limiting the generality of the above, the following shall constitute events of default warranting termination:

- i. Abandonment or repudiation of the Contract;
- ii. Failure, without valid reason, to commence work promptly;
- iii. Persistent failure to execute works/deliverables in accordance with the Contract;
- iv. Neglect to perform contractual obligations without just cause;
- v. Failure to proceed with due diligence after a 15-day written notice from BECIL;
- vi. Procurement of the Contract through undue influence, corrupt, or unethical practices;
- vii. Submission of false or misleading information in the bid or during the Contract.

15.2.3. In the event of such termination, the Buyer shall not be liable to pay any compensation to the Seller for loss of anticipated profits or for any other consequential or indirect loss. The Buyer shall, however, make payment for services/equipment satisfactorily delivered and accepted up to the effective date of termination, subject to adjustment of any dues recoverable from the Seller.

15.3. **Termination due to Insolvency**

15.3.1. If the Bidder becomes insolvent, is adjudicated bankrupt, is placed under receivership, enters into composition with creditors, commences winding up (except for voluntary winding up for amalgamation/reconstruction), or conducts business under a Receiver, BECIL may:

- i. Terminate the Contract forthwith by giving **fifteen (15) days** written notice; or
- ii. Permit the Receiver/Liquidator to continue performance, subject to provision of adequate guarantee for due and faithful performance, to BECIL's satisfaction.

15.4. **Termination for Convenience**

BECIL may, at its sole discretion, terminate the Contract, in whole or in part, for any reason whatsoever, by giving the Bidder **thirty (30) days** prior written notice. Upon expiry of the notice period, the Contract shall stand terminated without liability, except for payment for satisfactory work executed up to the date of termination.

16. **POST TERMINATION RESPONSIBILITY**

- 16.1. Upon termination of the Contract, BECIL's liability for payment shall be restricted to services duly rendered and accepted up to the effective date of termination, and only to the extent that corresponding payments are received from the Client.
- 16.2. All invoices of the Bidder, whether raised before or after termination, shall remain on hold until receipt of payment from the Client. Any deductions made by the Client from BECIL's invoices shall be recovered from the Bidder's corresponding claims.
- 16.3. The Bidder shall immediately cease all work upon termination, except for such work as may be expressly directed in writing by BECIL to be completed.
- 16.4. Except for termination under Clauses 15.4, the performance security may be forfeited, without prejudice to BECIL's right to recover any loss, damage, or cost arising from unsatisfactory performance or delay.

17. NOTICES

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 other 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 in this RFP.

18. NO WAIVER

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.

19. AMENDMENT

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

20. ARBITRATION

20.1. Conciliation of Dispute

20.1.1. 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.

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

20.2.Reference of Dispute to Arbitration proceeding post conciliation

- 20.2.1. 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.
- 20.2.2. 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.
- 20.2.3. 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.
- 20.2.4. The dispute(s)/ difference(s)/controversy(s) shall be adjudicated by a single/sole Arbitrator empaneled with the Delhi International Arbitration Centre.
- 20.2.5. The seat of Arbitrations shall be at New Delhi and the Arbitration proceeding shall be conducted in English.
- 20.2.6. 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.
- 20.2.7. 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.
- 20.2.8. That any claim of damage(s) or loss(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.
- 20.2.9. That if BECIL considers that a dispute under this contract, involves an issue that is related to a dispute under the main contract with end client, then in that event, the Bidder shall assist BECIL 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. In case of dispute with the Client under the main contract, the expenses for resolution of that dispute shall be borne by the Bidder if that dispute has arisen due to failure of Bidder to meet contractual obligations

21. JURISDICTION

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.

22. Force Majeure

- 22.1. 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.
- 22.2. 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.
- 22.3. 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.

23. SUB-CONTRACTING

The selected agency 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.

24. EXTENSION OF TIME

- 24.1. 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 End Client and its officials.
- 24.2. 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.
- 24.3. Any extension of time agreed upon mutually shall be documented in writing.
- 24.4. The grant of extension of time shall be contingent on the receipt of the extension of time by the End Customer.

25. ASSIGNMENT

- 25.1. 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.
- 25.2. 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.
- 25.3. 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.

26. SEVERABILITY

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.

27. ENTIRE CONTRACT

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.

28. LIQUIDATED DAMAGES

- 28.1. 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:
- 28.2. Recover from the Bidder liquidated damages equivalent to a sum of 0.5% of the value of the undelivered goods/services for each week of delay beyond the scheduled date of completion or delivery, subject to a maximum of 10% of the contract value or such liquidated damages as may be imposed by the Client, whichever is higher (due to the failure of the Bidder to meet the contractual obligations).
- 28.3. 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.
- 28.4. 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).
- 28.5. 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.

29. 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 in accordance with Para 6 of Part-I of the RFP. 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.

30. SIGNING OF NON-DISCLOSURE AGREEMENT

- 30.1. Except with the written consent of the BECIL, the bidder shall not disclose the contract or any provision, specification, plan, design, pattern, sample or information thereof to any third party.
- 30.2. 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 as per Annexure-Q.

31. MSME:

- 31.1. 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.
- 31.2. 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 Bidder 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.(Annexure N regarding MSME undertaking must be submitted in Relevant Stamp paper to BECIL)

32. PERSONNEL:

- 32.1.**The personnel assigned by the Bidder to perform the Services shall be the employees of the Bidder, and under no circumstances shall such personnel be considered employees of BECIL or its nominated agencies. The Bidder shall be responsible for the supervision and control of its personnel and for payment obligations of such personnel's compensation, including salary, withholding of income taxes and social security taxes, workers compensation, employee and disability benefits and the like and shall be responsible and accountable for all obligations of an employer according to applicable laws, rules and regulations.
- 32.2.**The Bidder shall use its best efforts to ensure that sufficient personnel are assigned to perform the Services and those personnel have appropriate qualifications, skills and experience to perform the Services. If BECIL requests that any personnel employed by the Bidder be replaced, the substitution of such personnel shall be accomplished as per the terms of this RFP and subsequent Contract/ WO.
- 32.3.**The selected Bidder shall be responsible for the performance of all its obligations under the Contract and shall be liable for compliance with all relevant labour acts and statutory legislations.

33. NON-EXCLUSIVE:

It is agreed and certified that this Contract is on a non-exclusive basis and the parties are at liberty to enter into similar Contracts with others (Provided however, the system integrator shall ensure that it is entering into Contract, with other parties shall not in any way conflict with or affect the BECIL interests, rights, remedies under this Contract or in law).

34. 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.

35. Acceptance of T&Cs of RFP:

Copy of RFP and respective corrigendum/ addendum should be duly signed and stamped by the bidder at each page as the token of acceptance of all the terms and conditions given in referred RFP.

Part- IV
Special Conditions and Payment terms

NOTE- The Bidder is required to give confirmation of their acceptance of Special Conditions of the RFP mentioned below which will automatically be considered as part of the Contract concluded with the successful Bidder (i.e. Seller in the Contract) as selected by the Buyer. Failure to do so may result in rejection of Bid submitted by the Bidder.

1. Performance Bank Guarantee (PBG):

The successful bidder shall submit a Performance Bank Guarantee (PBG) equivalent to 3% of the Contract Value, (Client) in favor of
Chairman & Managing Director (CMD) BECIL
BECIL Bhawan, C-56/A17, Sector-62, Noida – 201307, Uttar Pradesh

Bank Details:

- Bank Name: Union Bank of India
- Account No.: 565101000065461
- IFSC Code: UBIN0549797 issued by any Nationalized Bank.

Performance Bank Guarantee (PBG)

The selected bidder shall submit a Performance Bank Guarantee (PBG) within twenty-one (21) days from the date of issuance of the Letter of Intent (LOI) or Work Order or signing of the Agreement, whichever is earlier.

The PBG shall remain valid for a total period of forty-five (45) months, comprising forty-two (42) months of the contract period and an additional three (3) months claim period, unless otherwise specified in the Contract.

The PBG shall be in favour of BECIL and shall be unconditional and irrevocable, issued by a scheduled commercial bank acceptable to BECIL, in the prescribed format.

In the event of termination of the Contract due to default, breach, non-performance, or failure to fulfil the contractual obligations by the selected bidder, BECIL shall have the right to invoke and/or forfeit the Performance Bank Guarantee, in whole or in part, without prejudice to any other rights, remedies, claims, or recourse available to BECIL under the Contract or applicable law.

The selected bidder shall ensure that the PBG remains valid and enforceable throughout the stipulated validity period. Any requirement for extension of the PBG arising from extension of the Contract period or otherwise shall be complied with by the selected bidder within the period stipulated by BECIL

2.Payment Terms:

The payment to the System Integrator (SI) shall be made on a **back-to-back basis**. BECIL shall release payments to the SI only after receipt of corresponding payments from Vijayanagara Sri Krishnadevaraya University (VSKU), Bellary.

Payment to the SI shall be made on a back-to-back basis. BECIL shall release payments to the SI only after receipt of corresponding payments from VSKUB.

Payments shall be released to the selected bidder based on the following milestones:

1. **First Milestone:**

Payment equivalent to **40% of the total Contract Value** shall be released upon completion of supply of the scheduled BOQ items having an aggregate value of 40% of the total Contract Value, at **Vijayanagara Sri Krishnadevaraya University (VSKU), Ballari**, subject to verification and certification/acceptance of the supplied goods by VSKU/BECIL, as applicable.

Payment under this milestone shall be subject to certification of the goods and Delivery Challan (DC) by VSKU, Ballari, and submission of the following documents:

- Delivery Challan (DC)
- E-Way Bill(s)
- Packing List
- GST Tax Invoice

2. **Second Milestone:**

Payment equivalent to a **further 40% of the total Contract Value** shall be released upon completion of supply of the remaining scheduled BOQ items having an aggregate value of 40% of the total Contract Value, at **Vijayanagara Sri Krishnadevaraya University (VSKU), Ballari**, subject to verification and certification/acceptance of the supplied goods by VSKU/BECIL, as applicable.

Payment under this milestone shall be subject to certification of the goods and Delivery Challan (DC) by VSKU, Ballari, and submission of the following documents:

- Delivery Challan (DC)
- E-Way Bill(s)
- Packing List
- GST Tax Invoice

3. **Third Milestone – 20% or the balance of the Contract value**

The remaining **20% of the total Contract Value, or the actual balance amount payable, as applicable**, shall be released upon completion of the following:

- a. completion and Certification of the Third-Party Inspection (TPI),
- b. final acceptance of the installed system/items by VSKU, Ballari; and
- c. submission of the complete project handover documentation by the selected Manufacturers/ Bidder.

All payments shall be subject to certification, acceptance and other applicable contractual conditions.

Quantitative Handing Taking Over Document (QHTO):

QHTO is a document certifying the details of items supplied, including quantity, make, and model of equipment. It shall be issued upon delivery of items at site by the System Integrator and duly acknowledged by the Client / VSKUB. The QHTO shall form the basis for processing payment against supply of equipment.

FHTO: FHTO is “Functional Handing Taking Over” or Project handing over report document which certifies the completion of SITC & full functionality of the system(s). This document shall be prepared and submitted to VSKUB for the certification of VSKUB on completion of all works & its acceptance. This document shall be considered for claiming the final payment of 30% by BECIL

1. Settlement of all the Payments to the System Integrator selected for Project execution/implementation will be made by BECIL, post receipt of the corresponding payments from Vijayanagara Sri Krishnadevaraya University (VSKU), Bellary and the necessary supportive documents from the System Integrator pertaining to each payment stage.

Note: In case of Cancellation/termination of contract by Vijayanagara Sri Krishnadevaraya University (VSKU), Bellary. /Client, BECIL will not be liable to make payment to the System Integrator.

2. **Mobilization Advance:**

No advance payments shall be granted. Any proposed Mobilization Advance is given to the vendor subject to the submission of a separate Bank Guarantee (BG) valued at 110% of the advance amount, only if any amount received from the client.

3. **Fall clause:** The following Fall clause will form part of the contract placed on successful Bidder

3.1 It is a condition of the contract that the prices charged for the stores/services to be supplied under this RFP by the Supplier shall in no event exceed the lowest price at which the Supplier sells or offers to sell stores/services of identical description to any other Central Government Department, State Government Department, Public Sector Undertaking, Statutory Body, Autonomous Body, or any other organisation, during the currency of the contract.

3.2 If, at any time during the contract period, the Supplier sells or offers to sell such stores/services to any of the above entities at a price lower than the price chargeable under this contract, the Supplier shall forthwith notify such reduction in writing to the Purchaser and the contract price for all subsequent supplies shall stand reduced correspondingly from the date of such lower price coming into force.

3.3 In the event that payment has already been made at a higher rate for any supply made after such reduction, the Purchaser shall be entitled to recover the excess amount paid, either by deduction from subsequent bills or through other lawful means.

3.4 For the purpose of this clause, “identical description” shall mean goods/services of the same specification, quality, make, and warranty terms as mentioned in the Schedule of Requirements of this tender.

4. **Specification:** The following Specification clause will form part of the contract placed on successful Bidder:

9.1. The Seller shall ensure that the equipment supplied fully complies with the specifications set out in Part-II of the RFP. The Seller shall incorporate any modifications to the existing design/configuration as required by the Buyer, based on the operational and functional requirements of the RFP, including deficiencies identified during trials, inspection, or initial operation. All related technical literature and drawings shall be updated by the Seller to reflect such modifications before supply, or within **30 days** of such modifications being identified post-supply.

9.2. In consultation with the Buyer, the Seller may implement technical upgrades or alterations in the design, drawings, or specifications arising from changes in manufacturing processes, indigenisation, or obsolescence. Such changes shall not, under any circumstances, adversely affect the final specifications or performance of the equipment.

9.3. Any updated technical details, drawings, repair/maintenance methods, and necessary tools resulting from such upgrades or alterations shall be provided to the Buyer at no additional cost, within **30 days** of implementing such changes.

5. **OEM Certificate:**

10.1. In cases where the Bidder is not the Original Equipment Manufacturer (OEM), the Bidder shall submit, along with the bid, a valid agreement or authorization certificate from the OEM confirming assured supply of required spares for the equipment during the Warranty period. The OEMs are defined in Annexure – A of this RFP.

10.2. Where the OEM does not exist, the Bidder may source minor aggregates and spares from authorised vendors, provided that each such item is accompanied by a quality certification acceptable to the Buyer.

6. **Insurance:**

11.1. The Supplier shall, at its own cost, arrange and maintain adequate insurance coverage for the goods/equipment from the point of dispatch until delivery at the Purchaser’s designated site, including unloading, storage, handling, installation, testing, commissioning, and final acceptance by the Purchaser.

11.2. The insurance shall be on an **“All Risks” basis** (including transit risks, fire, theft, burglary, handling damage, natural calamities, and other accidental damage) for an amount not less than the full contract value of the goods/equipment

11.3. Where the scope of work involves erection, installation, testing, or commissioning, the Supplier shall also arrange **Erection All Risks (EAR) or Contractor’s All Risks (CAR)** insurance, together with **third-party liability**

coverage as per statutory requirements, to remain valid until completion of all contractual obligations and final acceptance by the Purchaser

11.4. Proof of valid insurance policies, along with evidence of premium payment, shall be submitted to the Purchaser prior to dispatch of goods. Failure to maintain the required insurance shall not relieve the Supplier of any responsibility or liability under the Contract, and the Supplier shall make good any uninsured loss, damage, or liability at its own cost without delay.

7. Period of Contract:

The Contract shall commence from the date of issuance of the Work Order ("Effective Date") and shall remain valid up to 42 Months, including the Warranty period. The period shall be reckoned from the date of Functional Handing/Taking Over (FHTO) of the complete system/setup, duly certified in writing by the authorized representative of the Buyer.

13.1. The Seller shall be obligated to provide uninterrupted services during the entire Contract Period in strict conformity with the quality, performance, and service standards stipulated in the Request for Proposal (RFP) and the executed Contract.

8. CONSORTIUM and JOINT VENTURE: NOT ALLOWED

9. Completion of project as per the scope of work as per the site conditions and project requirements:

11.1 The bidder shall mandatorily visit the project site and thoroughly familiarize themselves with the site conditions, project requirements, and the complete scope of work before submitting the bid. The bidder shall satisfy themselves regarding all aspects of the project, including but not limited to civil works, electrical works, HVAC, interior works, IT infrastructure installation materials, software, labour, tools, equipment, logistics, material safe storage, statutory compliances, testing, commissioning, and all other services required for successful execution of the project.

11.2 The quantities of Civil, Electrical, HVAC, Interior, and other related works indicated in the BOQ as "Lot" shall be deemed to include all materials, accessories, consumables, fittings, labour, and incidental works necessary to complete the project in all respects. No claim for additional payment, variation, or compensation on account of inadequate site inspection, misunderstanding of the scope of work, or omission of any required item shall be entertained after submission of the bid.

11.3 The bidder shall quote a comprehensive lump-sum price considering all works and services required for the complete and satisfactory execution, testing, commissioning, and handing over of the project to the Client, irrespective of whether every item has been specifically mentioned in the BOQ or not.

10. Qualified bidder/Bidder selected as SI for the project execution has to provide the design the drawings, as built drawings, technical drawings, samples, colour combination drawings for the Acoustics & furnishing works, sample of the chairs, Acoustics and furnishing materials for the finalization and approval from BECIL.

11. Bidder has to execute the project as per the directions of the BECIL/VSKUB.

12. UN-PRICED BILL OF MATERIAL Bidder should submit the Unpriced Bill of Material (BoM) stating the Make & Model and Technical Datasheet (as per Annexure) of the equipment proposed by the bidders. No Financial Cost shall be disclosed in technical bid.

13. MAF: The bidder should submit MAF for (as per Serial Number's) all the major BOQ items excluding furniture & refrigerators.

I. SCIENTIFIC EQUIPMENTS	
BOQ S.N	Item Details
1	5 Feet Benchtop Fume Hood
2	Laboratory Drying Oven 250 °C
3	Water Bath
4	Mini Rotary Shakers
5	Magnetic Stirrers
6	Laboratory Centrifuge
7	Visible Spectrophotometer
8	Electronic Balances
9	Digital Potentiometer
10	Digital Conductivity Meter
11	Hotplate
12	Soxhlet Apparatus
13	Heating Mantle
15	Oil-free Vacuum Pump
16	Ultra Sonic Cleaner
18	Digital Melting Point Apparatus
19	Temperature Muffle Furnace
20	Digital Turbidity Meter
21	Digital Flame Photometer With Compressor
22	PH Meter
23	Magnetic Stirrers
24	Refrigerated centrifuge
25	Rotary Shakers
26	Vacuum oven
28	Sonicator Frequency (PROBE SONICATOR)
29	Rotary Shaking Incubator
30	Weighing Balance
31	Micropipettes
32	Microwave oven
33	Vertical Laminar Flow Cabinet
34	Stereomicroscope With Camera ,Software and suitable Desktop
36	Binocular microscope
37	Biosafety hood - 1
38	Horizontal Deep Freezer (-20°C)
45	The horizontal electrophoresis unit
46	SDS Page
48	Vertical Laboratory Autoclave (Pedal Free)
49	Analytical Balance
51	UV-Vis double beam spectrophotometer
52	Micro centrifuge

53	Vertical Laboratory Autoclave (Pedal Free)
54	LABORATORY PRECISION OVEN Uniform Temperature 250°C / 225° C
55	Microscopes
56	BOD Incubator
57	Orbital shaker with incubator
58	Shaking water bath
59	BACTERIOLOGICAL INCUBATOR with forced air recirculation
60	Digital Ultrasonic Bath
61	Digital weighing balance
62	Deep Freezer
63	Single Beam VISIBLE Spectrophotometer
64	Trinocular Research Microscope
65	Binocular microscopes
66	Stereo Zoom Microscope
67	"Dissection Microscope
68	UV Visible Spectrophotometer Fixed Bandwidth, 190-1100 nm
69	Laboratory Deep Freezer, -80 c
70	Digital Orbital Shaker
71	Compound Microscope
72	Digital Rotary Evaporator
73	Cooling centrifuge
74	Microscopes
76	Deep freezer -80
77	Biosafety hood
78	Orbital shaker with incubator
81	Cooling water bath
85	BOD Incubator
86	Colony counter
88	Homogenizers
89	Microscope Trinocular with computer

14. Sample Clause: After award of contract, sample to be got approved before bulk supply.
15. Inspection Criteria: The firm supplied material can be inspected as per technical specification item before acceptance by BECIL/VSKUB.
16. Warranty- Rectification of defects during warranty period:
Bidder will have to ensure that for attending the service request for rectifications of defects during warranty period.

Part- V
Annexure

Pre-Qualification Proposal Submission Form:

To,
The General Manager,
Broadcast Engineering Consultants India
Limited (BECIL) No: #162, II Main, I Cross,
AGS Layout,
RMV II Stage, Bangalore – 560094.

Subject: Pre-Qualification Proposal Submission.

Ref: RFP num: BECIL/RO/VSKU/LE/2026-27/01

Dear Sir,

With reference to your RFP Document <reference no.> <dated> I/we, the undersigned, having Aforementioned all relevant documents and understood their contents, hereby submit our offer to provide services for **“Upgradation of post graduate laboratories (modular lab) and purchase and Installation of Scientific Equipment’s at main campus of Vijayanagara Sri Krishnadevaraya University, Bellary.”** We are hereby submitting our proposal, which includes this Prequalification proposal, Technical Proposal, and a Commercial Proposal as mentioned in the above RFP. This submitted proposal is unconditional.

I/We hereby declare that all the information and statements made in this Proposal and in the Appendices are true and correct, nothing has been omitted which renders such information misleading; and all documents accompanying such Proposal are true copies of their respective originals and accept that any misinterpretation contained in it may lead to our disqualification. I/We shall make available to the BECIL any additional information it may deem necessary or require for supplementing or authenticating the Proposal.

I/We declare that I/We have Examined and have no reservations to the RFP Documents, including any Addendum/Clarification issued by the BECIL and I/We do not have any conflict of interest in accordance with RFP Document.

I/We undertake, if our Proposal is accepted and we have been engaged for providing the services to BECIL, we shall abide by the conditions of the RFP and subsequent corrigendum/addendum and service Contract.

I/We understand that you may cancel the Selection Process at any time and that you are neither bound to accept any Proposal that you may receive nor to select the agency, without incurring any liability to the Bidders in

accordance with clauses of the RFP document. I/We understand that you have right to reject our application without assigning any reason or otherwise. I/we hereby waive our right to challenge the same on any account whatsoever.

I/We agree and understand that the proposal is subject to the provisions of the RFP document. In no case, shall I/we have any claim or right if proposal is not opened or rejected.

I/We agree to keep this offer valid for 180 days after the last date of submission of bids specified in the RFP.

A Power of Attorney in favor of the authorized signatory to sign and submit this Proposal and documents is attached herewith.

The Financial Proposal is being submitted separately as specified in RFP. This prequalification proposal read with Technical Proposal and Financial Proposal shall constitute the Application which shall be binding on us.

I/We certify that that M/s<(Company Name)> has not been banned from carrying out business either with the any state government / Government of India or the Ministry of Electronics & IT, or the BECIL as on date. I/We also undertake that a similar ban imposed before the award of the Contract under this RFP shall disqualify the company from being considered and all claims arising out of this RFP, other than the refund of the bid security, shall stand forfeited.

I/We certify that M/s<(Company Name)> is a Single Bidder in response to your RFP for Providing Vijayanagara Sri Krishnadevaraya University (VSKU), Bellary.” to BECIL.

I/We agree and undertake to abide by all the terms and conditions of the RFP Document. I/we hereby unconditionally accept the RFP conditions of BECIL’s RFP documents in its entirety for the above work.

In witness thereof, I/we submit this Proposal under and in accordance with the terms of the RFP Document.

Yours sincerely,
Authorized Signature [In full and
initials]:
Name and Title of Signatory:
Name of
Company:
Address Date:
Seal / Stamp of Bidder:

Pre-qualification- Bidders Information:*<To be submitted in company's letterhead>*

#	Particulars	Bidders Information	
1	Name of Bidder /Agency		
2	Name of the Managing Director/ CEO/ Partnership/ proprietorship of the Agency		
3	Type of company (LLP/ PVT.LTD/Proprietary)		
4	Full address of the Registered and Branch Offices		
5	Year of establishment of firm		
6	CIN / Registration no. of commercial establishment Act 1961 of the Agency		
7	GST Registration No.		
8	PAN		
9	Financial Information of the bidder company	Financial Year	Annual Turnover
		FY 2022-2023	
		FY 2023-2024	
		FY 2024-2025	
		Total Annual turnover in last three financial years (in INR)	
		Average Annual turnover for last three financial years (INR)	
		Net worth of the company for the FY 22-23, 23-24&24-25	
10	Details of the System Integrator official to whom all reference shall be made regarding this RFP.	Name:	
		Mobile number:	
		Email ID:	
		Office Address:	

On behalf of [Bidder's name+

Authorized Signature [In full and initials]:

Name and Title of Signatory Name of Company:

Address: Date:

Seal / Stamp of Bidder:

Bid Security Declaration Form (Applicable only for MSE):

To,
The General Manager,
Broadcast Engineering Consultants India Limited (BECIL) No: #162, II Main,
I Cross, AGS Layout,
RMV II Stage, Bangalore – 560094.

Subject: Bid Security Declaration Form (Applicable only for MSE).

Ref: RFP num: BECIL/RO/VSKU/LE/2026-27/01:

Dear Sir,

We, the undersigned, solemnly declare that:

We understand that according to the conditions of this Tender Document, the MSE OEM/System Integrator/Service provider registered with MSE or such Central procuring agencies/Ministries registered with DPIIT are exempted from submission of Earnest Money Deposit. Accordingly, we M/s.... eligible for exemption from EMD as per the Govt of India OM and Guidelines/Directives and relevant documents/certificates are attached. Accordingly, we hereby declare that:

We unconditionally accept the conditions of this Bid Security Declaration. We understand that we shall stand automatically suspended from being eligible for bidding in any tender in BECIL for **2 years** from the date of opening of this Bid if we breach our obligation(s) under the tender conditions if we:

withdraw/ amend/ impair/ derogate, in any respect, from our bid, within the Bid validity; or

being notified within the bid validity of the acceptance of our bid by the Procuring Entity: refused to or failed to produce the original documents for scrutiny or the required Performance Security within 15 days from the date of issue of supply order/contract. Fail or refuse to sign/accept the contract.

We know that this bid-security Declaration shall expire if the contract is not awarded to us, upon:

receipt by us of your notification of cancellation of the entire tender process or rejection of all bids or of the name of the successful bidder or forty-five days after the expiration of the bid validity or any extension to it.

Sincerely,

(Signature with date)

.....

..... (Name
and designation)

Duly authorized to sign bid for and on behalf of.....

[name & address of Bidder and seal of company]

Dated on day of [insert date of signing]

Place... [insert place of signing]

Non-black listing Declaration (Notarized):

<To be submitted on stamp duty of Rs.100>

Declaration for non-black listing

Ref: RFP num: BECIL/RO/VSKU/LE/2026-27/01, Dated:

We confirm that our company as on date of submission of the proposal is not blacklisted or banned by any Ministry / attached offices / Subordinate offices under Government of India and in State Government, Autonomous Bodies (established by Central / State Govt), any Central/State PSUs in India for Corrupt, fraudulent or any other unethical business practices, as on bid submission date.

Sincerely, (Signature)

(Name & Signature of Authorized Representative of company)

Duly authorized to sign the RFP Response for and

on behalf of: (Name and Address of Company)

Seal/Stamp.

Pre-qualification- Local office Establishment

<To be submitted in company's letterhead>

To

, The General Manager,
Broadcast Engineering Consultants India
Limited (BECIL) No: #162, II Main, I Cross,
AGS Layout,
RMV II Stage, Bangalore – 560094.

Subject: Local office establishment declaration.

Ref: RFP num: BECIL/RO/VSKU/LE/2026-27/01:

I, the undersigned certify that <COMPANY NAME>, having its registered office at<Address and present local office at <address> as of <date>. I have attached the proof documents to substantiate our claim.

or

I hereby Undertake that an office in the Bangalore, Karnataka will be opened within one moth of the award of Contract/placement of work order to us.

(Select Whichever condition is
applicable) Designation:
Business: Address: Signature:
Seal:
Date & Time:

Pre-qualification- Power of Attorney (Notarized):

<To be submitted on Rs.500/- non judicial stamp paper.>

Power Of Attorney
(Authorization for signing the bid documents)

Subject: Authorizing BECIL for participating in the bid as a lead bidder.
Ref: RFP num: BECIL/RO/VSKU/LE/2026-27/01

Know by all men by these presents, We ----- (Name of the Bidder and address of their registered office) Do hereby constitute, appoint and authorize Mr./MS (name and residential address of Power of attorney holder) Who is presently employed with us and holding the position of _____ as our Attorney, to do in our Name and on our behalf, all such acts, deeds and things necessary in connection with or incidental to our Proposal for the Selection of <RFP title RFP Ref no. dated>, including signing and submission of all documents and providing information / responses to this bid, representing us in all matters and generally dealing with all matters in connection with our Proposal for the said Project. We hereby agree to ratify all acts, deeds and things lawfully done by our said Attorney pursuant to this Power of Attorney and that all acts, deeds and things done by our aforesaid Attorney shall and shall always be deemed to have been done by us.

Designation:

Business:

Address:

Signature:

Seal: Date &

Time:

ANNEXURE-G Document Checklist:

Sl #	Supporting Documents	Document Particulars Submitted (Yes/No)	Page No. of the attached Document
1.	Incorporation/Registration certificate of company		
	Memorandum of association (MOA) & Article of Association (AOA) if applicable		
2.	PAN Card		
3.	GST Registration Certificate		
4.	Company Registered Address and Contact Details		
5.	Details of EMD through Online Payment/copy of the valid BG submitted in the GeM portal/ Bid Security Declaration against EMD.		
6.	Valid MSE UDHYAM certificate		
7.	Valid ISO Certificate		
8.	Valid CMM-III & V Certificates		
9.	Valid Solvency certificate from any of the National scheduled Banks		
10.	Bidder Turn Over Criteria evidence document proof (CA certificate, Balance sheets and P/L)		
11.	ITR for the 4 financial years		
12.	Supportive documents meeting the Bidder Experience Criteria		
13.	A detailed Presentation on the Technical solution and approach methodology		
14.	Pre-Qualification Proposal Submission Form /Covering letter. ANNEXURE-A		
15.	Pre-Qualification Bidders Information ANNEXURE-B		
16.	Bid Security Declaration Form ANNEXURE-C		
17.	Non-black listing Declaration (Notarized) ANNEXURE-D		
18.	Pre-qualification- Local office Establishment ANNEXURE-E		
19.	Pre-qualification- Power of Attorney ANNEXURE-F		
20.	Document Checklist ANNEXURE-G		
21.	Format for Performance Bank Guarantee ANNEXURE-H		
22.	Self- Declaration for The Code of Integrity ANNEXURE-I		
23.	Financial Bid Covering Letter ANNEXURE-J		
24.	Certificate of Annual Turnover certified by CA ANNEXURE-K		
25.	Format of OEM's authorization letter ANNEXURE-L		
26.	SITE VISIT AND INSPECTION CERTIFICATE ANNEXURE-M		

27.	Format for providing details of the on-going projects ANNEXURE-N.		
28.	Commercial Price bid format ANNEXURE-O		
29.	FORMAT OF BOQ item wise specifications COMPLIANCE/EXCEPTION / DEVIATION ANNEXURE- P		
30.	Unpriced BOQ with Make, Model and Data sheets to be enclosed ANNEXURE-Q		
31.	Undertaking of “No Conflict of interest” ANNEXURE-R		
32.	Format of “No Deviation Certificate ANNEXURE-S		
33.	Format of Arbitration Clause–Indigenous Private Bidders ANNEXURE-T		
34.	Format of Non-Disclosure Agreement Annexure - U		
35.	Bank Guarantee Format for EMD Annexure - V		
36.	Undertaking ANNEXURE- W		
37.	Format of UNDERTAKING FOR INDEMNITY Annexure - X		
38.	Undertaking for Bid Validity Annexure - Y		
39.	Land border sharing Declaration ANNEXURE-Z		
40.	Undertaking Regarding Payment Of GST/ Filing of GST Return Annexure - AA		
41.	FORMAT OF BOQ item wise specifications COMPLIANCE/EXCEPTION / DEVIATION from the OEM’s ANNEXURE-AB		

Specification Technical Compliance Statement Note:

The tender will lead to rejection/disqualification if submitted:

1. Submission of tender without the above-mentioned documents.
2. It is mandatory for the bidder to assign page numbers to the tender documents and the same must be mentioned in the above checklist.
3. With incomplete information, subjective, conditional offers and partial offers submitted.
4. With incomplete information, subjective, conditional offers and partial offers submitted.
5. Have non-compliance of any of the clauses stipulated in the Tender.
- 6. Strike out if not applicable.**
- 7. The bids not complied with the Check list, will be summarily rejected.**

Signature

(Authorized

Signatory) Seal:

Date:

Place:

Name of the Bidder:

Format for Performance Bank Guarantee:

(To be stamped in accordance with stamp act. The non-judicial stamp paper should be in the name of issuing Bank)

Subject: Submission of PERFORMANCE BANK GUARANTEE (PBG)
Ref: RFP num: BECIL/RO/VSKU/LE/2026-27/01

To,

Chairman & Managing Director (CMD) BECIL
BECIL Bhawan, C-56/A17, Sector-62, Noida – 201307, Uttar Pradesh

Bank Details:

- Bank Name: Union Bank of India
- Account No.: 565101000065461

IFSC Code: UBIN0549797

Whereas..... (name and address of the contractor) (hereinafter called “the contractor”) has undertaken, in pursuance of contract no date..... to supply (description of goods and Works/ Services) (hereinafter called “the contract”).

And whereas you have stipulated it in the said contract that the contractor shall furnish you with a bank guarantee by a Commercial bank for the sum specified therein as security for compliance with its obligations as per the contract;

And whereas we have agreed to give the contractor such a bank guarantee.

Now Therefore we hereby affirm that we are guarantors and responsible to you, on behalf of the contractor, up to a total of(amount of the guarantee in words and figures), and we undertake to pay you, upon your first written demand declaring the contractor to be in default under the contract and without cavil or argument, any sum or sums within the limits of (amount of guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the contractor before presenting us with demand.

We further agree that no change or addition to or other modification of the terms of the contract to be performed thereunder or of any of the contract documents which may be made between you and the contractor shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition, or modification.

This guarantee shall be valid until theday of20.....

Our.....branch

at.....*(Name & Address of the.....*(branch) is liable to pay the guaranteed amount depending on the filing of a claim and any part thereof under this Bank Guarantee only and only if you serve upon us at our* branch a written claim or demand and received by us at our * branch on or before Dt..... otherwise, the bank shall be discharged of all liabilities under this guarantee after that.

(Signature of the authorized officer of the Bank)

.....

.....

..... Name and designation of the officer

.....

Seal, name & address of the Bank and address of Branch

*Preferably at the headquarters of the authority competent to sanction the expenditure for the procurement of goods or at the concerned district headquarters or the state headquarters.

Self-Declaration for The Code of Integrity:

(To be Included in the RFP on bidder's letter head)

I/We shall maintain a high degree of integrity during the course of my/our dealings business/contractual relationship with BECIL. If it is discovered at any stage that any business/ contract was secured by playing fraud or misrepresentation or suspension of material facts, I/We authorize BECIL to term such contract as voidable at the its sole option.

Place:

Date:

Address:

Mobile:

Email ID:

Signature of Authorized Signatory on behalf
of Agency

Financial Bid Covering Letter:

To,

The General Manager,
Broadcast Engineering Consultants India
Limited (BECIL) No: #162, II Main, I Cross,
AGS Layout,
RMV II Stage, Bangalore – 560094.

Subject: Financial Bid Covering Letter.

Ref: RFP num: BECIL/RO/VSKU/LE/2026-27/01

Sir/Madam,

I /We, the undersigned, offer to provide the service for Vijayanagara Sri Krishnadevaraya University (VSKU), Bellary. and submitting our Pre-Qualification, Technical and Financial Proposals. Our attached Financial Proposal is inclusive of all applicable taxes, duties and all costs to complete the project scope of work and its obligations. I have completely understood the project design, scope, scheduled BOQ, detailed technical specifications, all the terms and conditions, special terms and conditions of the RFP and submitting our company proposal comprising technical and financial proposals.

a. Price and Validity

All the prices mentioned in our Tender are in accordance with the terms as specified in the RFP documents. All the prices are valid for a period of 01(One) year from the date of opening of the Bid and other terms and conditions of this Bid are valid for a period of **05(Five) years** from the date of opening of the Bid. We hereby confirm that our prices do not include any taxes and duties. We understand that the actual payment would be made as per the existing tax rates during the time of payment.

b. Unit Rates

We have indicated in the relevant forms enclosed, the unit rates for the purpose of on account of payment as well as for price adjustment in case of any increase to / decrease from the scope of work under the contract.

c. Tender Pricing

We further confirm that the prices stated in our bid are in accordance with your clauses in RFP/Tender document.

d. Qualifying Data

We confirm having submitted the information as required by you in your RFP. In case you require any other further information/ documentary proof in this regard before/during evaluation of our Tender, we agree to furnish the same in time to your satisfaction.

e. **BID PRICE**

We declare that our Bid Price is for the entire scope of the work as specified in the <Refer Section No.>. These prices are indicated Commercial Bid attached with our bid as part of the Tender. In case there is substantial difference between the component wise price approved by BECIL and the price quoted by the bidder, BECIL will have the rights to ask the bidder to realign their cost without impacting the total bid price. We hereby agree to submit our offer accordingly.

f. **Performance Bank Guarantee**

We hereby declare that in case the contract is awarded to us, we shall submit the Performance Bank Guarantee at 5 % of the work order amount as specified in the RFP document. Our Financial Proposal shall be binding upon us subject to the modifications resulting from Contract negotiations, up to expiration of the validity period of the Proposal. We understand you are not bound to accept any Proposal you receive.

We hereby declare that our Tender is made in good faith, without collusion or fraud and the information contained in the Tender is true and correct to the best of our knowledge and belief.

We understand that our Tender is binding on us and that you are not bound to accept a Tender you receive.

Thanking you,

Authorized Signatory with Date
and Seal:
Designation:
Business:
Address:

Certificate of Average Annual Turnover certified by CA:

To,

The General Manager,
Broadcast Engineering Consultants India
Limited (BECIL) No: #162, II Main, I Cross,
AGS Layout,
RMV II Stage, Bangalore – 560094.

Subject: Certificate of Average Annual Turnover certified by CA

Ref: RFP num: BECIL/RO/VSKU/LE/2026-27/01

Sir/Madam,

I hereby declare that I have scrutinized and audited the
financial statements of M/s

..... having Registered Office

.....Average Turnover Rs.

.....of the bidder M/s as on 31st March-2025 as per
audited statement is as follows:

SI No	Financial Year	Annual Turnover* (INR Crore)	Net worth (INR Crore)
01	FY 2022-2023		
02	FY 2023-2024		
03	FY 2024-2025		
Total Turnover in Rs			
Average Annual Turnover			

To be provided from latest available Audited statement.

*** Turn over from the sectors:** Media and Entertainment Industry
in verticals of Broadcast Setups / Post-Production Setups / Virtual
Production Setups & Services
/ Media & Entertainment IT Services in India.

I also certify that M/s. has not filed for
insolvency in the last 3 financial year as disclosed by the records and
documents produced before us and information and explanation
given to us.

For

M/s.

Chartered Accountants / Statutory Auditor

Signature Name of Chartered Accountant:

UDIN No:

Seal/ Stamp Date: Place:

Format of OEM's authorization letter:

(To Be Printed on OEM's Official Stationery).

MANUFACTURER'S AUTHORIZATION CERTIFICATE

To,
The General Manager,
Broadcast Engineering Consultants India
Limited (BECIL) No: #162, II Main, I Cross,
AGS Layout,
RMV II Stage, Bangalore – 560094.

Subject: Manufacturer Authorization Certificate (MAC).

Ref: RFP num: BECIL/RO/VSKU/LE/2026-27/01

Dear sir/madam,

We, (Name and Address of the OEM) who are reputed manufacturer of Hereby authorize [bidder's company's name and address] to bid, negotiate and conclude the contract with BECIL on behalf of us against subject RFP floated on your behalf Vijayanagara Sir krishnadevaraya university ballary **VSKUB** on Turnkey basis for the equipment/items manufactured by us.

We further confirm that Messrs. _____ (name and address of the above agent) is authorized to submit a tender, process the same further and enter into a contract with you against your requirement as contained in the above referred tender enquiry documents for the above goods manufactured by us.

We also hereby extend our full warranty, as applicable under the Terms & Conditions for the goods and services offered for supply by the above firm against this tender document.

We hereby extend the Warranty for the equipment's as per the Standard OEM Warranty period and warranty service for the goods offered for supply against this invitation for bid by the above after the commissioning of the project.

We also undertake to availability of hardware and software support and spares for a period of 5 Years (60 Months) from the date of installation and handing over of the equipment for this project.

Yours faithfully,
(Signature with
seal) Name and
Designation

Note*: MAF: The bidder should submit MAF for (as per Serial Number's) all the major BOQ items excluding furniture & refrigerators.

I. SCIENTIFIC EQUIPMENTS	
BOQ S.N	Item Details
1	5 Feet Benchtop Fume Hood
2	Laboratory Drying Oven 250 °C
3	Water Bath
4	Mini Rotary Shakers
5	Magnetic Stirrers
6	Laboratory Centrifuge
7	Visible Spectrophotometer
8	Electronic Balances
9	Digital Potentiometer
10	Digital Conductivity Meter
11	Hotplate
12	Soxhlet Apparatus
13	Heating Mantle
15	Oil-free Vacuum Pump
16	Ultra Sonic Cleaner
18	Digital Melting Point Apparatus
19	Temperature Muffle Furnace
20	Digital Turbidity Meter
21	Digital Flame Photometer With Compressor
22	PH Meter
23	Magnetic Stirrers
24	Refrigerated centrifuge
25	Rotary Shakers
26	Vacuum oven
28	Sonicator Frequency(PROBE SONICATOR)
29	Rotary Shaking Incubator
30	Weighing Balance
31	Micropipettes
32	Microwave oven
33	Vertical Laminar Flow Cabinet
34	Stereomicroscope With Camera ,Software and suitable Desktop
36	Binocular microscope
37	Biosafety hood -1
38	Horizontal Deep Freezer(-20°C)
45	The horizontal electrophoresis unit
46	SDS Page
48	Vertical Laboratory Autoclave (Pedal Free)
49	Analytical Balance
51	UV-Vis double beam spectrophotometer
52	Micro centrifuge
53	Vertical Laboratory Autoclave (Pedal Free)
54	LABORATORY PRECISION OVEN Uniform Temperature 250°C / 225° C
55	Microscopes
56	BOD Incubator

57	Orbital shaker with incubator
58	Shaking water bath
59	BACTERIOLOGICAL INCUBATOR with forced air recirculation
60	Digital Ultrasonic Bath
61	Digital weighing balance
62	Deep Freezer
63	Single Beam VISIBLE Spectrophotometer
64	Trinocular Research Microscope
65	Binocular microscopes
66	Stereo Zoom Microscope
67	"Dissection Microscope
68	UV Visible Spectrophotometer Fixed Bandwidth, 190-1100 nm
69	Laboratory Deep Freezer, -80 c
70	Digital Orbital Shaker
71	Compound Microscope
72	Digital Rotary Evaporator
73	Cooling centrifuge
74	Microscopes
76	Deep freezer -80
77	Biosafety hood
78	Orbital shaker with incubator
81	Cooling water bath
85	BOD Incubator
86	Colony counter
88	Homogenizers
89	Microscope Trinocular with computer

Site Visit and Inspection Certificate:

“Upgradation of post graduate laboratories (modular lab) and purchase and Installation of Scientific Equipment’s at main campus of Vijayanagara Sri Krishnadevaraya University, Bellary.”

RFP Ref: RFP num: BECIL/RO/VSKU/LE/2026-27/01,

Site Survey Report

Name	
Company Name	
Contact Number	
Email	

Declaration from Bidder: I hereby undertake that I have visited the site and understood clearly the project requirements with respect to Electrical and other requirements to complete the project as per the scope of the project and as per the available site conditions.

Authorized bidder signatory

Date:

Place:

BECIL

(Authorized signatory)

Seal

Note: This certificate should be uploaded in the tender portal after getting signature from BECIL

(On Company letter head)

ANNEXURE-N

**Format for Providing Details of The Completed Projects in last
five years:**

Name of the Bidder:

Sl. No.	Full postal address of client and name of Officer-in-charge with Contact details	Description of the work done	Value of contract	Date of commencement of work	Schedule / Revised completion period	Percentage of completion as on date	Expected date of completion	Remarks

Signature

(Authorized

signatory) Seal:

Date:

Place:

Name of the Bidder:

ANNEXURE-O PRICE BID

SL. No	Item Description	UoM	Units	Unit Rate	Total Amount	GST %	GST Amount	Total Amount Including Taxes
					A	B	C = A*B%	D = A+C
PART A. SCIENTIFIC EQUIPMENTS (Supply and Fixing)								
1	5 Feet Benchtop Fume Hood	Nos	1.00					
2	Laboratory Drying Oven 250 °C	Nos	4.00					
3	Water Bath	Nos	7.00					
4	Mini Rotary Shakers	Nos	2.00					
5	Magnetic Stirrers	Nos	16.00					
6	Laboratory Centrifuge	Nos	6.00					
7	Visible Spectrophotometer	Nos	3.00					
8	Electronic Balances	Nos	3.00					
9	Digital Potentiometer	Nos	3.00					
10	Digital Conductivity Meter	Nos	3.00					
11	Hotplate	Nos	3.00					
12	Soxhlet Apparatus	Nos	1.00					
13	Heating Mental	Nos	4.00					
14	Water Distillation Unit	Nos	3.00					
15	Oil-free Vacuum Pump	Nos	4.00					
16	Ultra Sonic Cleaner	Nos	3.00					
17	Ice maker	Nos	3.00					
18	Digital Melting Point Apparatus	Nos	3.00					
19	Temperature Muffle Furnace	Nos	3.00					
20	Digital Turbidity Meter	Nos	3.00					
21	Digital Flame Photometer with Compressor	Nos	3.00					
22	PH Meter	Nos	12.00					
23	Magnetic Stirrers	Nos	5.00					
24	Refrigerated centrifuge	Nos	1.00					
25	Rotary Shakers	Nos	1.00					
26	Vacuum oven	Nos	1.00					
27	Cryocan	Nos	1.00					
28	Sonicator Frequency (PROBE SONICATOR)	Nos	1.00					
29	Rotary Shaking Incubator	Nos	1.00					
30	Weighing Balance	Nos	1.00					
31	Micropipettes	Nos	1.00					
32	Microwave oven	Nos	1.00					
33	Vertical Laminar Flow Cabinet	Nos	1.00					
34	Stereomicroscope With Camera, Software and suitable Desktop	Nos	1.00					
35	Microscope	Nos	7.00					
36	Binocular microscope	Nos	1.00					
37	Biosafety hood -1	Nos	1.00					
38	Horizontal Deep Freezer(-20°C)	Nos	1.00					
39	Refrigerator	Nos	1.00					

40	UV-VIS Double Beam Spectrophotometer (with PC)	Nos	1.00					
41	PCR	Nos	1.00					
42	GEL DOC	Nos	1.00					
43	Nano Drop Lite Plus Spectrophotometer	Nos	1.00					
44	Western Blotting Unit	Nos	1.00					
45	The horizontal electrophoresis unit	Nos	1.00					
46	SDS Page	Nos	1.00					
47	Lyophilizer	Nos	1.00					
48	Vertical Laboratory Autoclave (Pedal Free)	Nos	1.00					
49	Analytical Balance	Nos	3.00					
50	PCR machine	Nos	1.00					
51	UV-Vis double beam spectrophotometer	Nos	2.00					
52	Micro centrifuge	Nos	1.00					
53	Vertical Laboratory Autoclave (Pedal Free)	Nos	2.00					
54	LABORATORY PRECISION OVEN Uniform Temperature 250°C / 225° C	Nos	1.00					
55	Microscopes	Nos	20.00					
56	BOD Incubator	Nos	1.00					
57	Orbital shaker with incubator	Nos	1.00					
58	Shaking water bath	Nos	1.00					
59	BACTERIOLOGICAL INCUBATOR with forced air recirculation	Nos	1.00					
60	Digital Ultrasonic Bath	Nos	1.00					
61	Digital weighing balance	Nos	1.00					
62	Deep Freezer	Nos	1.00					
63	Single Beam VISIBLE Spectrophotometer	Nos	3.00					
64	Trinocular Research Microscope	Nos	3.00					
65	Binocular microscopes	Nos	17.00					
66	Stereo Zoom Microscope	Nos	1.00					
67	"Dissection Microscope	Nos	13.00					
68	UV Visible Spectrophotometer Fixed Bandwidth, 190-1100 nm	Nos	2.00					
69	Laboratory Deep Freezer, -80 c	Nos	1.00					
70	Digital Orbital Shaker	Nos	1.00					
71	Compound Microscope	Nos	2.00					
72	Digital Rotary Evaporator	Nos	1.00					
73	Cooling centrifuge	Nos	1.00					
74	Microscopes	Nos	10.00					
75	Refrigerators	Nos	3.00					
76	Deep freezer -80	Nos	1.00					
77	Biosafety hood	Nos	1.00					
78	Orbital shaker with incubator	Nos	1.00					
79	Gradient PCR	Nos	1.00					

80	Western Blotting Unit	Nos	1.00					
81	Cooling water bath	Nos	1.00					
82	Ice maker	Nos	1.00					
83	Lyophilizer	Nos	1.00					
84	Elisa Reader	Nos	1.00					
85	BOD Incubator	Nos	1.00					
86	Colony counter	Nos	1.00					
87	Fully Automated Rotary Microtome	Nos	1.00					
88	Homogenizers	Nos	1.00					
89	Microscope Trinocular with computer	Nos	1.00					
90	RT PCR Machine	Nos	1.00					
PART -B LAB FURNITURE (Supply and Fixing)								
91	CHEMISTRY LABORATORY 1 (Furniture Lab setup)	Nos	1.00					
92	CHEMISTRY LABORATORY 2 (Furniture Lab setup)	Nos	1.00					
93	PHYSICS LABORATORY 3 (Furniture Lab setup)	Nos	1.00					
94	PHYSICS LABORATORY 4 (Furniture Lab setup)	Nos	1.00					
95	PHYSICS LABORATORY 5 (Furniture Lab setup)	Nos	1.00					
96	Site Preparation and installation related accessories including Electrical, Cabling, etc., Transportation, Loading and Unloading, Insurance included- 3years warranty for all the BOQ items	Lot	1.00					

Note: After making the site visit bidder should quote after understanding the clear requirements of the project scope of work and consider electrical works quantities where BOQ items are mentioned in lot, Electrical works, interior works, all labour logistics, storage and services required to complete the scope of project as per the site conditions to the satisfaction of Client.

ANNEXURE-P

Format of BOQ Item Wise Specifications
Compliance/Exception/Deviation:

For all the Scheduled BOQ items:

BOQ Sl. no	BOQ Item specification's	Compliance (Yes/No)	Deviations if any
1.			
2.			

Note: 1. Bidder must refer Annexure- (BOQ items) to complete the above format.

- 1. Acceptance or rejection of any deviations for any of the technical parameters proposed by the bidders in the line-item specifications outlined in this RFP shall be at the discretion of the Technical Evaluation Committee, subject to their scrutiny and final decision.**
- 2. BECIL expects the bidders to fully accept the terms and conditions of the tender document. However, should the bidder still envisage some exception/ deviations to the terms and conditions of the tender documents, the same should be indicated. If this proforma is left blank, then it would be presumed that bidder has not taken any exception / deviations to the terms and conditions of the tender documents.**

Signature

(Authorized

Signatory) Seal:

Date:

Place:

Name of the Bidder:

ANNEXURE-Q Unpriced BOM with Make and Models proposed by Bidder:

SL. No	Item Description	UoM	Units	Make	Model
PART A. SCIENTIFIC EQUIPMENTS (Supply and Fixing)					
1	5 Feet Benchtop Fume Hood	Nos	1.00		
2	Laboratory Drying Oven 250 °C	Nos	4.00		
3	Water Bath	Nos	7.00		
4	Mini Rotary Shakers	Nos	2.00		
5	Magnetic Stirrers	Nos	16.00		
6	Laboratory Centrifuge	Nos	6.00		
7	Visible Spectrophotometer	Nos	3.00		
8	Electronic Balances	Nos	3.00		
9	Digital Potentiometer	Nos	3.00		
10	Digital Conductivity Meter	Nos	3.00		
11	Hotplate	Nos	3.00		
12	Soxhlet Apparatus	Nos	1.00		
13	Heating Mantle	Nos	4.00		
14	Water Distillation Unit	Nos	3.00		
15	Oil-free Vacuum Pump	Nos	4.00		
16	Ultra Sonic Cleaner	Nos	3.00		
17	Ice maker	Nos	3.00		
18	Digital Melting Point Apparatus	Nos	3.00		
19	Temperature Muffle Furnace	Nos	3.00		
20	Digital Turbidity Meter	Nos	3.00		
21	Digital Flame Photometer With Compressor	Nos	3.00		
22	PH Meter	Nos	12.00		
23	Magnetic Stirrers	Nos	5.00		
24	Refrigerated centrifuge	Nos	1.00		
25	Rotary Shakers	Nos	1.00		
26	Vacuum oven	Nos	1.00		
27	Cryocan	Nos	1.00		
28	Sonicator Frequency (PROBE SONICATOR)	Nos	1.00		
29	Rotary Shaking Incubator	Nos	1.00		
30	Weighing Balance	Nos	1.00		
31	Micropipettes	Nos	1.00		
32	Microwave oven	Nos	1.00		
33	Vertical Laminar Flow Cabinet	Nos	1.00		
34	Stereomicroscope With Camera, Software and suitable Desktop	Nos	1.00		
35	Microscope	Nos	7.00		
36	Binocular microscope	Nos	1.00		
37	Biosafety hood -1	Nos	1.00		
38	Horizontal Deep Freezer(-20°C)	Nos	1.00		

39	Refrigerator	Nos	1.00		
40	UV-VIS Double Beam Spectrophotometer (with PC)	Nos	1.00		
41	PCR	Nos	1.00		
42	GEL DOC	Nos	1.00		
43	Nano Drop Lite Plus Spectrophotometer	Nos	1.00		
44	Western Blotting Unit	Nos	1.00		
45	The horizontal electrophoresis unit	Nos	1.00		
46	SDS Page	Nos	1.00		
47	Lyophilizer	Nos	1.00		
48	Vertical Laboratory Autoclave (Pedal Free)	Nos	1.00		
49	Analytical Balance	Nos	3.00		
50	PCR machine	Nos	1.00		
51	UV-Vis double beam spectrophotometer	Nos	2.00		
52	Micro centrifuge	Nos	1.00		
53	Vertical Laboratory Autoclave (Pedal Free)	Nos	2.00		
54	LABORATORY PRECISION OVEN Uniform Temperature 250°C / 225° C	Nos	1.00		
55	Microscopes	Nos	20.00		
56	BOD Incubator	Nos	1.00		
57	Orbital shaker with incubator	Nos	1.00		
58	Shaking water bath	Nos	1.00		
59	BACTERIOLOGICAL INCUBATOR with forced air recirculation	Nos	1.00		
60	Digital Ultrasonic Bath	Nos	1.00		
61	Digital weighing balance	Nos	1.00		
62	Deep Freezer	Nos	1.00		
63	Single Beam VISIBLE Spectrophotometer	Nos	3.00		
64	Trinocular Research Microscope	Nos	3.00		
65	Binocular microscopes	Nos	17.00		
66	Stereo Zoom Microscope	Nos	1.00		
67	"Dissection Microscope	Nos	13.00		
68	UV Visible Spectrophotometer Fixed Bandwidth, 190-1100 nm	Nos	2.00		
69	Laboratory Deep Freezer, -80 c	Nos	1.00		
70	Digital Orbital Shaker	Nos	1.00		
71	Compound Microscope	Nos	2.00		
72	Digital Rotary Evaporator	Nos	1.00		
73	Cooling centrifuge	Nos	1.00		
74	Microscopes	Nos	10.00		
75	Refrigerators	Nos	3.00		
76	Deep freezer -80	Nos	1.00		
77	Biosafety hood	Nos	1.00		
78	Orbital shaker with incubator	Nos	1.00		
79	Gradient PCR	Nos	1.00		
80	Western Blotting Unit	Nos	1.00		
81	Cooling water bath	Nos	1.00		
82	Ice maker	Nos	1.00		

83	Lyophilizer	Nos	1.00		
84	Elisa Reader	Nos	1.00		
85	BOD Incubator	Nos	1.00		
86	Colony counter	Nos	1.00		
87	Fully Automated Rotary Microtome	Nos	1.00		
88	Homogenizers	Nos	1.00		
89	Microscope Trinocular with computer	Nos	1.00		
90	RT PCR Machine	Nos	1.00		
PART -B LAB FURNITURE					
91	CHEMISTRY LABORATORY 1 (Furniture Lab setup)	Nos	1.00		
92	CHEMISTRY LABORATORY 2 (Furniture Lab setup)	Nos	1.00		
93	PHYSICS LABORATORY 3 (Furniture Lab setup)	Nos	1.00		
94	PHYSICS LABORATORY 4 (Furniture Lab setup)	Nos	1.00		
95	PHYSICS LABORATORY 5 (Furniture Lab setup)	Nos	1.00		
96	Site Preparation and installation related accessories including Electrical, Cabling, etc., Transportation, Loading and Unloading, Insurance included- 3years warranty for all the BOQ items	Lot	1.00		

Note:

- 1.Data sheet of the proposed make and model for all the major items should be enclosed in the technical bid.
2. The detailed technical specifications for each BOQ item with its subitem are mentioned at Annexure – and all the BOQ line items and its subitems should be mentioned with the make and model along with the quantities in the above format.
- 3.The bidder must clearly specify the details of the **sub-items being proposed under each BOQ item for the successful completion of the project. This should include the quantities of each sub-item considered by the bidder to ensure the successful project's completion.**
3. The detailed specifications and quantities for each BoQ item/sub items are outlined in the RFP. Bidders are required to thoroughly review these specifications, including the list of preferred brands. Bidders are advised to list all items, subitems, and any additional components, along with their respective quantities & their makes/models, necessary to align with the project design and requirements. This will ensure the successful completion of the VSKUB project.

(Signature, Date & Seal of Authorized Signatory of the Bidder)

Undertaking of “No Conflict of Interest”:

To,

The General Manager,
Broadcast Engineering Consultants India
Limited (BECIL) No: #162, II Main, I Cross,
AGS Layout,
RMV II Stage, Bangalore – 560094.

Project Title: “Upgradation of post graduate laboratories (modular lab) and purchase and Installation of Scientific Equipment’s at main campus of Vijayanagara Sri Krishnadevaraya University, Bellary.”

RFP Ref: BECIL/RO/VSKU/LE/2026-27/01/////2026-27/01,
Sir/ Madam, ****

We hereby offer to **Vijayanagara Sri Krishnadevaraya University (VSKU), Bellary.** as specified in this e- Tender at the prices specified in the commercial bid.

We, the undersigned, do hereby confirmation that we are not involved in any conflict-of-interest situation with one or more parties in this bidding process, including but not limited to:

- a) receive or have received any direct or indirect subsidy from any of them; or
- b) have common controlling shareholders; or
- c) have the same legal representative for purposes of this Bid; or
- d) have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the Bid of another Bidder, or
- e) influence the decisions of BECIL regarding this bidding process.

We, the undersigned, do hereby confirmation that we have not participated in more than one bid in this bidding process and if we participate in more than one bid, then it shall result in the disqualification of all bids in which we are involved,

Signature of Authorized Signatory (with official seal) & Date

Format of “No Deviation Certificate”:

NAME OF PROJECT: Selection of System Integrator for the project
Vijayanagara Sri Krishnadevaraya University (VSKU), Bellary...

REF: RFP NUM: BECIL/RO/VSKU/LE/2026-27/01,
Bidders Name and Address

To,
The General Manager,
Broadcast Engineering Consultants India
Limited (BECIL) No: #162, II Main, I Cross,
AGS Layout,
RMV II Stage, Bangalore – 560094.

Dear sir,

With reference to our Bid Ref No:
.....for the Vijayanagara Sri
Krishnadevaraya University (VSKU), Bellary. bid document no stated
as above We hereby Confirm that we comply with all terms conditions
and specification of the bidding Documents read in conjunction with
Amendment (s) /Clarifications(s)/Addenda/ Errata (if any) issued by
the Employer prior to opening of Techno – Commercial Bids and the
same has been taken into consideration while making our Techno-
Commercial Bids & Price Bid and we declare that we have not taken
any deviation in this regard.

We further Confirm that any deviation, variation or additional condition
etc., or any mention contrary to Bidding Documents and its
Amendment (s)/ clarification(s)/ Addenda/ Errata (if any) as mentioned
at 1.0 above found anywhere in our Techno- commercial Bid and/ or
Price Bid, implicit or explicit, shall stand unconditionally with drawn,
without any cost implication whatsoever to Employer failing with the
bid security shall be forfeited.

Date

(Signature)_

Place (Name)___ (Designation)___ (Common Seal)

Format of Arbitration Clause–Indigenous Private Bidders:

All disputes of differences arising out of or in connection with the present contract including the one connected with the validity of the present contract or any part thereof should be settled by bilateral discussions.

Any dispute, disagreement or question arising out of or relating to this contract or relating to construction or performance (except as to any matter the decision or determination whereof is provided for by these conditions), which cannot be settled amicably, shall within sixty (60) days or such longer period as may be mutually agreed upon, from the date on which either party informs the other in writing by a notice that such dispute, disagreement or question exists, will be referred to a sole Arbitrator.

Within (60) days of the receipt of the said notice, an arbitrator shall be nominated in writing by the authority agreed upon by the parties.

The sole Arbitrator shall have its seal in Delhi.

The arbitration proceedings shall be conducted under the Indian Arbitration and Conciliation Act, 1996 and the award of such Arbitration Tribunal shall be enforceable in Indian Courts only.

Each party shall bear its own cost of preparing and presenting its case. The cost of arbitration including the fees and expenses shall be shared equally by the parties, unless otherwise awarded by the sole arbitrator.

The parties shall continue to perform their respective obligations under this contract during the pendency of the arbitration proceedings except in so far as such obligations are the subject matter of the said arbitration proceedings.

Note: In the event of the parties deciding to refer the dispute/s for adjudication to an Arbitral Tribunal then one arbitrator each will be appointed by each party and the case will be referred to the Indian Council of Arbitration (ICADR) for nomination of the third arbitrator. The fees of the arbitrator appointed by the parties shall be borne by each party and the fees of the third arbitrator, if appointed, shall be equally shared by the Customer and Contractor.

Signature
(Authorized
Signatory) Seal:

Date:

Place:

Name of the Bidder:

Non-Disclosure Agreement (NDA):

THIS AGREEMENT MADE ON THIS THE ____ DAY OF __, 2026

BY AND BETWEEN

<Party 1>, a company incorporated under the Companies Act, 1956 and having its registered office at <<address>> (hereinafter referred to as “ ”, which expression shall unless repugnant to the context or meaning thereof, include its successors in interests and assigns) OF THE ONE PART;

AND

[Please fill in Customers name] a company incorporated under the Companies Act, 2013 and having its registered office at [Please fill in address] (hereinafter referred to as “Company” which expression shall, unless repugnant to the context or meaning thereof, be deemed to include, its representatives and permitted assigns) OF THE OTHER PART;

PARTY 1 and COMPANY shall hereinafter be referred to as such or collectively as “Parties” and individually as “Party”.

WHEREAS both the Parties herein wish to pursue discussions and negotiate with each other for the purpose of entering into a potential business arran CPPPent in relation to [Please fill in details of proposed transaction] (“Proposed Transaction”);

AND WHEREAS the Parties contemplate that with respect to the Proposed Transaction, both the Parties may exchange certain information, material and documents relating to each other’s business, assets, financial condition, operations, plans and/or prospects of their businesses (hereinafter referred to as “Confidential Information”, more fully detailed in clause 1 herein below) that each Party regards as proprietary and confidential; and

AND WHEREAS, each Party wishes to review such Confidential Information of the other for the sole purpose of determining their mutual interest in engaging in the Proposed Transaction;

IN CONNECTION WITH THE ABOVE, THE PARTIES HEREBY AGREE AS FOLLOWS:

1. “Confidential and or proprietary Information” shall mean and include any information disclosed by one Party (Disclosing Party) to

the other (Receiving Party) either directly or indirectly, in writing, orally, by inspection of tangible objects (including, without limitation, documents, prototypes, samples, media, documentation, discs and code). Confidential information shall include, without limitation, any materials, trade secrets, network information, configurations, trademarks, brand name, know-how, business and marketing plans, financial and operational information, and all other non-public information, material or data relating to the current and/ or future business and operations of the Disclosing Party and analysis, compilations, studies, summaries, extracts or other documentation prepared by the Disclosing Party. Confidential Information may also include information disclosed to the Receiving Party by third parties on behalf of the Disclosing Party.

2. The Receiving Party shall refrain from disclosing, reproducing, summarizing and/or distributing Confidential Information and confidential materials of the Disclosing Party except in connection with the Proposed Transaction.
3. The Parties shall protect the confidentiality of each other's Confidential Information in the same manner as they protect the confidentiality of their own proprietary and confidential information of similar nature. Each Party, while acknowledging the confidential and proprietary nature of the Confidential Information agrees to take all reasonable measures at its own expense to restrain its representatives from prohibited or unauthorized disclosure or use of the Confidential Information.
4. Confidential Information shall at all times remain the property of the Disclosing Party and may not be copied or reproduced by the Receiving Party without the Disclosing Party's prior written consent.
5. Within seven (7) days of a written request by the Disclosing Party, the Receiving Party shall return/destroy (as may be requested in writing by the Disclosing Party or upon expiry and or earlier termination) all originals, copies, reproductions and summaries of Confidential Information provided to the Receiving Party as Confidential Information. The Receiving Party shall certify to the Disclosing Party in writing that it has satisfied its obligations under this paragraph.
6. The Receiving Party may disclose the Confidential Information only to the Receiving Party's employees and consultants on a need-to-know basis. The Receiving Party shall have executed or shall execute appropriate written agreements with third parties, in a form and manner sufficient to enable the Receiving Party to enforce all the provisions of this Agreement.

7. Confidential Information, however, shall not include any information which the Receiving Party can show:
- i) is in or comes into the public domain otherwise than through a breach of this Agreement or the fault of the Receiving Party; or
 - ii) was already in its possession free of any such restriction prior to receipt from the Disclosing Party; or
 - iii) was independently developed by the Receiving Party without making use of the Confidential Information; or
 - iv) has been approved for release or use (in either case without restriction) by written authorization of the Disclosing Party.
8. In the event either Party receives a summons or other validly issued administrative or judicial process requiring the disclosure of Confidential Information of the other Party, the Receiving Party shall promptly notify the Disclosing Party. The Receiving Party may disclose Confidential Information to the extent such disclosure is required by law, rule, regulation or legal process; provided however, that, to the extent practicable, the Receiving Party shall give prompt written notice of any such request for such information to the Disclosing Party, and agrees to co-operate with the Disclosing Party, at the Disclosing Party's expense, to the extent permissible and practicable, to challenge the request or limit the scope thereof, as the Disclosing Party may reasonably deem appropriate.
9. Neither Party shall use the other's name, trademarks, proprietary words or symbols or disclose under this Agreement in any publication, press release, marketing material, or otherwise without the prior written approval of the other.
10. Each Party agrees that the conditions in this Agreement and the Confidential Information disclosed pursuant to this Agreement are of a special, unique, and extraordinary character and that an impending or existing violation of any provision of this Agreement would cause the other Party irreparable injury for which it would have no adequate remedy at law and further agrees that the other Party shall be entitled to obtain immediately injunctive relief prohibiting such violation, in addition to any other rights and remedies available to it at law or in equity.
11. The Receiving Party shall indemnify the Disclosing Party for all costs, expenses or damages that Disclosing Party incurs as a result of any violation of any provisions of this Agreement. This obligation shall include court, litigation expenses, and actual, reasonable attorney's fees. The Parties acknowledge that as damages may not be a sufficient remedy for any breach under this Agreement, the non-

breaching party is entitled to seek specific performance or injunctive relief (as appropriate) as a remedy for any breach or threatened breach, in addition to any other remedies at law or in equity.

12. Neither Party shall be liable for any special, consequential, incidental or exemplary damages or loss (or any lost profits, savings or business opportunity) regardless of whether a Party was advised of the possibility of the damage or loss asserted.
13. Both the Parties agree that by virtue of the Parties entering into this Agreement neither Party is obligated to disclose all or any of the Confidential Information to the other as stated in this Agreement. The Parties reserve the right to disclose only such information at its discretion and which it thinks, is necessary to disclose in relation to the Proposed Transaction.
14. Both the Parties agree that this Agreement will be effective from the date of execution of this Agreement by both Parties and shall continue to be effective till the Proposed Transaction is terminated by either Party by giving a thirty (30) days' notice, in case either Party foresees that the Proposed Transaction would not be achieved.

Notwithstanding anything contained herein, the provisions of this Agreement shall survive and continue after expiration or termination of this Agreement for a further period of five year(s) from the date of expiration.

It being further clarified that notwithstanding anything contained herein, in case a binding agreement is executed between the Parties in furtherance of the Proposed Transaction, the terms and conditions of this Agreement shall become effective and form a part of that binding agreement and be co-terminus with such binding agreement and shall be in effect till the term of such binding agreement and shall after its expiry and or early termination shall continue to be in force in the following manner:

- i. years after the termination of the binding agreement
- ii. years after the expiry of the

binding.

15. Each Party warrants that it has the authority to enter into this Agreement.
16. If any provision of this agreement is held to be invalid or unenforceable to any extent, the remainder of this Agreement shall not be affected and each provision hereof shall be valid and

enforceable to the fullest extent permitted by law. Any invalid or unenforceable provision of this Agreement shall be replaced with a provision that is valid and enforceable and most nearly reflects the original intent of the unenforceable provision.

17. This Agreement may be executed in two counterparts, each of which will be deemed to be an original, and all of which, when taken together, shall be deemed to constitute one and the same agreement.
18. The relationship between both the Parties to this Agreement shall be on a principal-to-principal basis and nothing in this agreement shall be deemed to have created a relationship of an agent or partner between the Parties and none of the employees of COMPANY shall be considered as employees of PARTY 1.
19. This Agreement shall be governed by the laws of India. Both parties irrevocably submit to the exclusive jurisdiction of the Courts in Bangalore, for any action or proceeding regarding this Agreement. Any dispute or claim arising out of or in connection herewith, or the breach, termination or invalidity thereof, shall be settled by arbitration in accordance with the provisions of Procedure of the Indian Arbitration & Conciliation Act, 1996, including any amendments thereof. The arbitration tribunal shall be composed of a sole arbitrator, and such arbitrator shall be appointed mutually by the Parties. The place of arbitration shall be Bangalore, India and the arbitration proceedings shall take place in the English language.
20. Additional oral agreements do not exist. All modifications and amendments to this Agreement must be made in writing.
21. The Agreement and/or any rights arising from it cannot be assigned or otherwise transferred either wholly or in part, without the written consent of the other Party.

IN WITNESS WHEREOF, THE PARTIES HERETO HAVE EXECUTED THIS CONFIDENTIALITY AGREEMENT IN DUPLICATE BY AFFIXING THE SIGNATURE OF THE AUTHORISED REPRESENTATIVES AS OF THE DATE HEREIN ABOVE MENTIONED.

Party 1

[Please fill in Customer name]

Signature 1
Name
Designation
Place
Date

Signature 1
Name
Designation
Place
Date

Signature 2
Name
Designation
Place
Date

Signature 2
Name
Designation
Place
Date

Bank Guarantee Format for EMD:

(To be submitted when the form of EMD submission is BG) (On Non-judicial stamp paper of Rs.100.00)

Bank Guarantee

M/s. **BROADCAST ENGINEERING INDIA LTD,**

Chairman & Managing Director (CMD),

BECIL Bhawan, C-56/A17, Sector-62, Noida-201307, Uttar Pradesh

Bank Name: Union Bank of India

Account No: 565101000065461

IFSC Code: UBIN0549797

Dear Sir,

We _____(full name of the banker) having our registered Office at _____
(Address of Bank's registered Office) hereby refer to the CPPP Bid No. _____
for issued by the BROADCAST ENGINEERING INDIA LTD as purchaser.

M/s _____ (fill in the name of bidder) has approached the bank for providing a Bank Guarantee for EMD for participation in said tender.

Under the terms of said tender, the Bidder is required to provide a bank guarantee in a form acceptable to the purchaser for the amount of **Rs. 17,62,920/- (Rupees Seventeen Lakhs Sixty-Two Thousand Nine Hundred and Twenty Only)** on account of EMD.

We, (Name of the Bank), hereby, give this Bank Guarantee No. _____ dated _____ for an amount of **Rs. 17,62,920/- (Rupees Seventeen Lakhs Sixty-Two Thousand Nine Hundred and Twenty Only)** on account of EMD. .(The Performance Bank Guarantee (PBG)/Bank Guarantee (BG) amount has not been specified, as the contract value details have not yet been provided by the Project Team.)

Upon default of the tender, we,---- (Name of the bank), do hereby agree unequivocally and unconditionally to pay immediately on demand in writing from the BROADCAST ENGINEERING INDIA LTD or any Officer authorized by it on its behalf any amount not exceeding **Rs. 17,62,920/- (Rupees Seventeen Lakhs Sixty-Two Thousand Nine Hundred and Twenty Only)** to the BROADCAST ENGINEERING INDIA LTD on behalf of the Bidder.

The determination of the fact of breach and the amount of damages sustained and or liability under the guarantee shall be in the sole discretion of the purchaser whose decision shall be conclusive and binding on the guarantor.

This bank guarantee is confirmed and irrevocable and shall remain in effect until (the validity shall be six months/180 days from the date of bid submission due date) and such extended periods which may be mutually agreed to. We hereby expressly waive notice of any said extension of the time for performance and alteration or change in any of the term and conditions of the said tender.

Truly yours,

(Authorized Signatory of the Bank)

UNDERTAKING:**On Bidder Letter Head**

I the undersigned as the authorized signatory hereby submit this Undertaking stating that I have carefully read all the terms and conditions as given in the tender T&C document and agree to the terms and conditions, scope of work, obligation, Payment terms, Penalty clause and all other conditions as mentioned in the RFP document. we will abide by all the terms and conditions stipulated in the said tender document if we are awarded this Contract.

Signature: Name:

Designation:

Institution:

Tel. No.:

Mob. No:

E-Mail:

**UNDERTAKING FOR INDEMNITY
(On Rs.100 Stamp paper)**

Date:

To,

The General Manager
Broadcast Engineering Consultants India Limited (BECIL)
Regional Office,
Bangalore-560094

Subject: Undertaking to Indemnity BECIL Against Claims, Penalties, Charges, Damages, Legal Expenses, etc.

Ref: RFP Num: BECIL/RO/VSKU/LE/2026-27/01, Dated: 16.09.2026.

Dear Sir/Madam,

We, **M/s.** a company incorporated under the provisions of Indian Act & Law and having its registered office at [Complete Address], do hereby undertake and agree to unconditionally and irrevocably indemnify and hold harmless **Broadcast Engineering Consultants India Limited (BECIL)**, its officers, employees, and representatives from and against all claims, losses, damages, liabilities, penalties, statutory dues, legal expenses, costs, liquidated damages, and SLA penalties arising out of or in connection with:

Any acts of omission or commission, negligence, or non-compliance with statutory provisions, rules, regulations, or applicable laws during the execution of the project/work awarded to us by BECIL;

Any claims raised by third parties, government authorities, or any other stakeholders due to our failure to comply with contractual obligations;

Any penalties or legal proceedings imposed on BECIL on account of our delay, default, or deficiency in service delivery or performance;

This undertaking shall remain valid and binding throughout the tenure of the contract and any extended period thereof, including during the warranty/support/maintenance period, and shall survive the termination or expiry of the agreement.

We further undertake to bear all legal expenses, litigation costs, and damages arising due to any such claims or proceedings initiated against BECIL due to our actions or inactions.

Thanking you,

Yours faithfully,
For [Company Name]
(Authorized Signatory)

Name:

Designation:

Seal:

Date:

Undertaking for Bid Validity

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

Reference: RFP No. BECIL/RO/VSKU/LE/2026-27/01 dated 16 September 2026

I/We hereby submit our Bid and undertake to keep our Bid valid for the period of 180 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: _____

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.

Tender 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-AA

Undertaking Regarding Payment Of GST/ Filing of GST Return

Date :

To,

The General Manager
Broadcast Engineering Consultants India Limited (BECIL)
Regional Office,
Bangalore-560094.

RFP Num: BECIL/RO/VSKU/LE/2026-27/01,

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-AB Detailed Technical specifications and Compliance of the BOQ items:

SL. No	Item Description	Unit	Quantity	Compliance
I. SCIENTIFIC EQUIPMENTS				
1	5 Feet Benchtop Fume Hood	Nos	1.00	
	Make: Kemi/Remi/Equivalent designed to exhaust toxic and other harmful vapours for protecting laboratory personnel equipment's. The main body of the Fume Cupboard is made of MS Powder coated and inside of the cupboard is made from FRP lining, which is acid or alkali resistant, fitted with a sliding door made of U.V stabilised polycarbonate sheet, moves vertically up and down with counter balanced weight system. Fluorescent light is provided inside the chamber for easy working. One FRP zinc of small size, water tap and gas cock are also provided inside the chamber. Working top of the Fume Cupboard is of Granite. A major blower exhaust system (Blower and blower cover is made with FRP) fitted on the top of the working area, which generates negative pressure within the hood extracting the contaminated air from the work area and expelling into the atmosphere and preventing the fume escaping into the room. For this purpose there is provided a provision for connecting 4"dia PVC pipe on the top of the instrument. Beneath the working area, fitted 3 drawers on one side and a closed storage area with a provision for locking system on the other side of the unit.			
2	Laboratory Drying Oven 250 °C	Nos	4.00	
	Sturdy double walled units Inner chamber made of S.S./ Alu and outer made of Mild Steel with Powder coating. Gap between the walls filled with glass wool insulation to avoid heat loses. Temperature is controlled by thermostat. Temp. Range 50oC to 200oC and Accuracy: +-2oC Air Ventilations are placed on top of both sides to remove hot gases/fumes. Make: Kemi/Remi/Equivalent			
3	Water Bath	Nos	7.00	
	• Double walled 5°C above ambient to 95°C. • Accuracy +2 C with drop on lid and rings • Inner Dimensions L x W x D Cm 35 x 25 x 12.5 • With 6 holes of 7.5 Cm dia • Imported auto tuned PID Controller cum Indicator with PT-100 Sensor Make: Kemi/Remi/Equivalent			
4	Mini Rotary Shakers	Nos	2.00	
	ideal for mixing and development of cultures, chemicals and pathological work etc. The unit is fabricating from heavy mild steel duly powder coated with continuous duty motor and controllable shaking speed upto 250RPM having different sizes of platforms with rubber disks for			

	holding flasks. Make: Kemi/Remi/Equivalent			
5	Magnetic Stirrers	Nos	16.00	
	Ø Digital Temperature control with Temperature probe. Auto Shut OFF timer. 0-1200 RPM with RPM sensor. Ø TEMPERATURE PROBE FOR MAINTAINING THE TEMPERATURE OF THE LIQUID. Ø LARGE LCD DISPLAY. TEMP. PROBE Ø OVER TEMP. PROTECTION Ø SS TOP PLATE. Ø AUTO REVERSE. Ø Stirrer Techonolgy : µController based Tri-Phase wave drive technology for jerk free stirring with Hall Sensor for accurate RPM control. 0-400 RPM with Auto Reverse function. Changes direction within 2 seconds. User selectable Auto reverse Interval. PUSH-TO-RECENTER switch. Ø Readout : 4 digit for RPM. 3 digit for temperature. Ø Display : 20*4 Super bright LCD display. Ø Hot Plate : 6 Inch SS Top plate with 700W Ceramic heater for fast & uniform heating. Ø Temp. Range : Room Temperature to 350°C. Ø Temp. Stability : Highly stable, ±1°C. Ø Timer : 0-999 minutes. Auto shut-off with End Buzzer Alarm. Ø Accuracy : ±1°C. Ø Temp. Controller : µController based PID. Ø Stirring capacity : Up to 2L. Ø User interface : Multi-turn, Electromagnetic knob for setting of Parameters. Ø Body : Shock proof, powder coated MS body. Ø Accessories : 3 no. Teflon coated Magnetic peddle, Teflon Temperature Probe, Instructional manual. Ø Power : 230V AC Mains ± 10%, @50Hz, 720VA. Ø Weight : 5 Kg approximate. Ø Dimensions : 200mm (L) x 225mm (D) x 185mm (H). Make: Kemi/Remi/Equivalent			
6	Laboratory Centrifuge	Nos	6.00	
	• Max. RCF 5070×g • Speed accuracy ±20rpm • Rotor Type A12-10P, A6-50P • Run time 30sec-99min/Continuous • Motor Brushless DC Motor • Display LED • Program Speed/RCF switch; Short-time run function; sound-alert function • Safety Features Door interlock,Overspeed detector; Automatic Internal Diagnosis • Acceleration/deceleration A12-10P: 20s/13s A6-50P: 20s/90 s • 8X15 ml. Make: kemi/ remi/equivalent/LABY			
7	Visible Spectrophotometer	Nos	3.00	

	• Digital readout of %T, O.D. Conc. red & green display • Digital readout of wave length • Source : Halogen Tungsten • Cut off filter IR • Resolution: 0.1% in %T, 0.001 in O.D. & 1 in 999 for Conc. • Spectral bandwidth 1 nm • Wave length resolution : 1 nm • Wave length accuracy : ± 1 nm • Inbuilt AC MAINS voltage indicator. • Provision for 50 mm & 10 mm cuvette • Power: 230V AC, 50Hz, 100VA • Wave length stability : ± 1 nm • Reading stability : ± 1 digit • 2 no.s APH jacketed cuvette. Low Volume Optiglass EQ-APHG 10 mm path length. 2 Nos Opti-Glass 50 mm path length cuvettes • Single beam achromatic optics • Weight : 6 Kg. • Dimension : 130mm (H) x 300mm (W) x 500mm (L) • Sleek, corrosion proof fiber body • Technology: Quantum Zuerkst Certified Make : EQUIPTRONICS/SYSTRONICS/labtronics/EQUIVALENT			
8	Electronic Balances	Nos	3.00	
	• Capacity 220gm • Accuracy 0.001gm • Readability 0.001g • Repeatability(+/-) 0.001g • Linearity (+/-)0.002g • Pan Size 100mm Make:WENSAR/PRINCE/CITIZEN/EQUIVALENT			
9	Digital Potentiometer	Nos	3.00	
	Ø POTENTIOMETER with built-in magnetic stirrer & standard cell One Button Calibration. μP based. Ø INBUILT MAGNETIC STIRRER. Ø Range: ± 1.999 V Ø Readout: 4-digit LED display Ø Accuracy: 0.001 Volts Ø Power required: 230 V AC $\pm 10\%$ @50 Hz, 2 VA Ø Warming period: 5 minutes Ø Weight: 1 Kg. (Approx.) Ø Dimension: 80 mm (H) x 235 mm (W) x 155 mm (L) Ø Standard cell: 1.018V inbuilt Ø Accessories: Screwdriver & Dust proof cover, EQ-706 Platinised Platinum electrode (25MM platinum plate), EQ-705 Reference Electrode (Ag/AgCl KCL filled) Ø Technology: Quantum Zuerkst. Ø ISO 9001: 2015 Certified. Make: EQUIPTRONICS/SYSTRONICS/labtronics/EQUIVALENT			

10	Digital Conductivity Meter	Nos	3.00	
	Ø AUTO RANGING CONDUCTIVITY METER with inbuilt magnetic stirrer & standard conductance (useful for titration) selects the right working range. Ø Useful for Under Graduate, Post Graduate, Industry, Titration etc. Ø AUTO RANGING. DIP & READ. Ø Electrode: EQ-708AT Unbreakable APH Sleeved Conductivity Cell (K=1) Platinized Platinum. Ø Readout : 4 digit LED display Ø Unit of meas.: a) Conductivity: MHO b) Temp. : °Celcius (°C) Ø Range : 0.001µS to 200 mS in six auto ranges Ø Six ranges : 200 mS, 20mS, 2mS, 200 µS, 20 µS, 2 µS Ø Accuracy : ± 1% ± last 1 digits Ø Alpha (a) : 0 – 3 Ø Temp. comp: 0 to 60°C ATC Ø Power required : 230 V AC ± 10% @50 Hz, 6 VA Ø Weight : 1 Kg. (Approx.) Ø Warming period : 5 minutes Ø Dimension : 90 mm (H) x 225 mm (W) x 220 mm (L) Ø Standard cond. : Conductance of 1.000 Ms Ø Stirrer speed : 500 RPM Fixed. Ø Accessories : Teflon magnet, Electrode clamp, Rod, Screwdriver, and Dust proof cover. Ø Technology: Quantum Zuerkst. Ø ISO 9001: 2015 Certified. Make: Equiptronics			
11	Hotplate	Nos	3.00	
	RECTANGULAR with PID 250mmx400mm Make:kemi/ remi/equivalent			
12	Soxhlet Apparatus	Nos	1.00	
	• Condenser type Allihin • Effective Capacity 500 ml • Extractor socket 60/46 • Extractor cone 29/32 Without Glass parts Make:kemi/ remi/equivalent			
13	Heating Mantle	Nos	4.00	
	Heating Mantle are rolled and anchored securely in glass sleeving reinforced and insulated by glass wool to work on 220/230 V/AC. Temperature is controlled by Energy Regulator (Temperature range 100°C approx.) Make:kemi/ remi/equivalent			
14	Water Distillation Unit	Nos	3.00	

	Quartz distillation units are manufactured from imported fused quartz tubes. The exceptionally high chemical purity and very low solubility of this material enables the production of very high-performance system. The greatest possible attention has been taken for technical performance, simplicity of use and efficiency. Features: • Quartz boiler • Quartz condenser • Distilled water output in 2-3 minutes. • Pyrogen free, free of heavy metals. • Powder coated stand for rust free operation. • Safety cut off device is included. Distillate Quality • Conductivity: < 1.0 $\mu\text{S}/\text{cm}$ • Distillate Temperature: 65 to 75°C • Distilled Water Quality: Pyrogen Free Construction • The unit consist of a primary boiler with built-in heater enclosed in a quartz boiler. Upper boiler has a built-in quartz coil and condensing unit Make :LABSIL/BOROSIL/OMSONS/LABOSIL/EQUIVALENT			
15	Oil-free Vacuum Pump	Nos	4.00	
	• Power: Indian Standard • Vacuum: -550 mm/Hg. (Maximum) • Flow Rate: 15 l/min • Maximum Operating Pressure: 25 psi • Horse Power: 1/20 HP • Dimension: 150 mm x 110 mm x 140 mm • Net Weight: 2.5 kg • No Lubrication required • Noiseless • Absolutely Portable • Totally Oil-free Construction • Practically Maintenance-free • All Parts made from Special Graded Aluminium die-cast Material for Light Weight & Good Strength • Diaphragms are made of Special Type Polynylon & Reinforced Neoprene Rubber • Built-in Micro-suction Filter • Extra-large Bearings for Trouble-free & Smooth Running) Make: kemi/ remi/equivalent/labman			
16	Ultra Sonic Cleaner	Nos	3.00	
	Capacity 10 L Ultrasonic Frequency 40 kHz Display Mode Digital Body Material Stainless steel			

	Max. Temperature upto 80 degC Power AC 220V / 50 Hz Current Type 400-440 V 50 Hz Warranty 1 Year Weight 10 kg oller Make : kemi/ remi/equivalent/LABMAN			
17	Ice maker	Nos	3.00	
	Capacity 30kg Brand Labman Model Name/Number LMIF30 Ice Form Flakes Frequency 50Hz CFC CFC Free Compressor Availability In Stock Salient Features · Fully Automatic Microprocessor Control · Stainless Steel Construction · Continuous ICE Flakes output · CFC free compressor · Low water level indication · Overload protection · Noiseless operation · Compact Design and low maintenance Application : Hospitals, Educational Research Institutes & Biotechnology Laborator Make : LABMAN/TECHMACH/EQUIVALENT/LABY			
18	Digital Melting Point Apparatus	Nos	3.00	

	Ø Smart melting/boiling point apparatus with inbuilt windows 10 PC and 7.0" full HD touch screen display. Ø SPECIALLY DEVELOPED FOR PHARMA, INDUSTRIES, RESEARCH, Ø VERY FINE ADJUSTMENT OF HEATING RATE Ø HIGH RESOLUTION CAMERA TO CAPTURE IMAGES Ø INBUILT TOUCH SCREEN COMPUTER Ø EXTERNAL MOUSE, KEYBOARD, PRINTER & USB STORAGE DEVICE CONNECTIVITY Ø Heating Range : Room temperature to 300°C Ø Readout : 4 Digit for Temperature Ø Resolution : $\pm 0.1^{\circ}\text{C}$ Ø Heating Rate : $1^{\circ}/\text{min}$ to $20^{\circ}/\text{min}$ Ø Power : 230V AC Mains @50 Hz, 500VA Ø Temp. Sensor : Unbreakable Teflon probe. Ø Weight : 3 Kg Approximately Ø Dimensions : 390mm (D) x 250mm (W) x 420mm (H) Ø Body : NANO Crystalline ABS™. Shock & Rust proof body. Ø Stirrer : Magnetic stirrer for uniform heating. Ø Image Capture : HD Camera with ultra zoom facility. Simultaneous measurement for upto 5 samples Ø Display : Inbuilt 7" full HD touch screen. Ø Operating System : Windows 10 Ø Memory : 32GB storage with USB storage support, 2GB DDR3L RAM Ø Other Features : upto 4 USB super speed 3.0 ports, WIFI & Bluetooth 4.0, Ethernet. Ø Frame Rate: 10 frames/minute and 20 frames/minute Ø Peripherals : External Mouse & Keyboard Connectivity Support. Ø Printing : Any USB / WIFI Printer Installable. (PRINTER NOT PROVIDED) Ø Technology: Quantum Zuerkst. Ø ISO 9001: 2015 Certified.			
19	Temperature Muffle Furnace	Nos	3.00	
	• CE Certification • Horizontal rectangular ceramic muffle • Heating System • Heating is affected by means of element made of best quality. Kanthal A-1 wire wounded on the muffle. • Heating element wounded with high grade cerewool blanket and the gaps are filled with cerewool to avoid heat loss. • Safety digital temperature controller with alarm • Single door made of brick work and cementing fitted in with single hole at Center. • 230V AC, Single Phase, 50Hz • Inner made of ceramic pot. • Outer case made from thick gauge Mild Steel (CRCA) sheet • Max. working temp. 1150°C • Temperature Accuracy $\pm 3^{\circ}\text{C}$ • Temperature Uniformity $\pm 10^{\circ}\text{C}$ • Control System			

	• Imported microprocessor based auto tuned PID controller with CE mark & dual display of set value & process value for precise control of temperature. • Thyrister Drive • An additional Thyrister Circuit reduces energy consumption which results into decrease in electricity bills • Capacity Liters 6.75 Make :KEMI/REMI/ASHA/SUSWOX			
20	Digital Turbidity Meter	Nos	3.00	
	Make: EQUIPTRONICS/SYSTRONICS/LABTRONICS/EQUIVALENT Ø 3 Ranges. Multi point graph. Auto curve fitting. Direct printing. PC compatibility. Inbuilt calibration validity. Ø NO MANUAL CONTROLS. LOW MAINTAINANCE. Ø WELL LAID OUT PANEL WITH NOTES & INSTRUCTIONS. Ø LARGE LCD DISPLAY. ON SCREEN INSTRUCTIONS.Ø DIRECT PRINT Ø Display : 20 x 4 Super bright LCD Display Ø Readout : 4 digit Ø Ranges : 0-20, 0 - 200 & 0 - 2000 NTU Ø Resolution : 0.1 NTU in 20 & 200 range 1 NTU in 2000 range Ø Accuracy : ± 0.5% FSR Ø Calibration : Multi Point (upto 7 seven points) with Calibration validity & One Point Daily Calibration. Ø Optics : Non linear Ortho-Cylindrical Optics. Ø Stray light : < 0.1% Ø Power required : 230 V AC ± 10% 50 Hz with inbuilt stabilizer. Ø Warming time : 15 minutes. Ø Other features : 3 User System, Inbuilt Real time clock, Storage of readings in Instrument and transmission to connected PC with date & time stamp. Ø Sample Volume : 10 ml Ø Weight : 1 Kg (approx.) Ø Body : NANO Crystalline ABS™ Ø Dimension : 90 mm (H) x 225 mm (W) x 220 mm (L) Ø Accessories: APH Jacketed cuvettes set of 2 pieces, 2 bottles of standard solution (A and B), Dust proof cover & operation manual. Ø Technology: Quantum Zuerkst. Ø ISO 9001: 2015 Certified. Ø Certificate of Compliance: CE CERTIFIED			
21	Digital Flame Photometer With Compressor	Nos	3.00	

	Ø Single channel, Separate filters, low ppm detection, low sample volume with LPG use. Ø WELL LAID OUT PANEL WITH NOTES AND INSTRUCTIONS. Ø GERMAN DESIGN OFF-CENTER VALVES FOR FINE CONTROL. Ø INBUILT FLAME AUTO IGNITOR. Ø Single channel. Epoxy burner with S.S. Top. Uniform mixing of gases leads to stable flame. Narrow band pass filters achieves accurate results. Small quantity of sample required. Ø Useful in analysis of Na, K, Ca, Li and many more elements in Soil, Food & Agriculture, Pathology, Mining, Metallurgy, Pollution Control, Ceramic & Glass industry. Ø Readout: 4 digit LED display. Ø Sensitivity: Na= 2 ppm, K= 1 ppm, Ca= 2 ppm, Li= 3 ppm. Ø Stability: ± 1, Last digit. Ø Resolution: ± 0.1 PPM (When calibrated with 1 PPM FSR) Ø Detector: Photo Cell/ Photo Diode Array Ø Compressor: Inbuilt Compressor with meter & valve. Ø Flame System: S.S. burner for LPG and dry oil free air. The fine control is achieved by off center valves using german technology. Ø Air Filter: Storage Tank of 800 CC for stable flame. Ø Power required: 230 V $\pm$ 5% Ø Body: M.S. Powder Coated Ø Dimension: 270 mm(H) x 310 mm(D) x 350 mm(L), Weight: 4 Kgs. (approx.). Ø Filters: Na & K provided. All sharp 5nm band width. Ø Sample Qty: 10 ml for stable flame. Ø Aspiration Rate: 10 ml per minute. Ø Technology: Quantum Zuerkst. Ø ISO 9001: 2015 Certified. Ø Certificate of Compliance: CE CERTIFIED Make: EQUIPTRONICS/SYSTRONICS/LABTRONICS/EQUIVALENT			
22	PH Meter	Nos	12.00	

Make:**EQUIPTRONICS/SYSTRONICS/LABTRONICS/EQUIVALENT**

Ø Large graphic LCD display, 3 Auto Buffers, Direct Print.
Ø NO MANUAL CONTROLS. LOW MAINTAINANCE.
Ø WELL LAID OUT PANEL WITH NOTES & INSTRUCTIONS.
Ø ON SCREEN INSTRUCTIONS.
Ø DIRECT PRINT.
Ø Operating modes: PH, mV, Thermometer.
Ø IQ, OQ, PQ: Optional.
Ø Calibration: Automatic 3 point (4.00, 7.00, 9.20 pH). Shows error if electrode/buffer is faulty.
Ø Readout: 3 inch super bright GLCD screen. Large multi fonts for ease of reading.
Ø Range: PH: 0 to 14.00 mV: 0 to ± 2500 mV for ORP measurement Temp: 0 to 130°C.
Ø Resolution: pH: ± 0.01 mV: ± 1 Temperature: 0.1°C.
Ø Temp. comp.: Automatic and Manual 0 to 100°C, (ATC & MTC).
Ø Accuracy: pH: ± 0.01 mV: ± 1 Temperature: 0.1°C.
Ø Printing: Direct one button printing.
Ø Stirrer: Dual phase μ Controller assisted Pulse Position modulated control for uniform stirring.
Ø Power required: 230 V AC Mains $\pm 10\%$ @ 50 Hz, 4 VA.
Ø Warming time: 5 minutes
Ø Control: Feather touch.
Ø Storage: 1) Earlier calibration is stored even if instrument is switched OFF.
2) Can store 500 pH values at 500 locations. 3) Direct printing.
Ø Weight: 1 Kg (approx.)
Ø Body: NANO Crystalline ABS™
Ø Dimensions: 90 mm (H) x 220 mm (W) x 225 mm (L)
Ø Electronic Auto buffer: Equivalent signal output of ideal electrode in solution of 9.20, 7.00, 4.00 pH.
Useful for self-diagnostic.
Ø Electrode: Combined APH sleeved unbreakable ph electrode.
Ø Accessories: Rod & clip, Patch cord (EQ-PCPH) for Electronic buffer, Buffer capsules for 9.20, 7.00, 4.00 pH, magnetic peddle and Dust proof cover.
Ø Technology: Quantum Zuerkst.
Ø ISO 9001: 2015 Certified.
Ø Certificate of Compliance: CE CERTIFIED

23	Magnetic Stirrers	Nos	5.00	
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	Make: kemi/ remi/equivalent/LABY Ø Digital Temperature control with Temperature probe. Auto Shut OFF timer. 0-2000 RPM with RPM sensor. Ø TEMPERATURE PROBE FOR MAINTAINING THE TEMPERATURE OF THE LIQUID. Ø LARGE LCD DISPLAY. TEMP. PROBE Ø OVER TEMP. PROTECTION Ø SS TOP PLATE. Ø AUTO REVERSE. Ø Stirrer Techonolgy : µController based Tri-Phase wave drive technology for jerk free stirring with Hall Sensor for accurate RPM control. 0-2000 RPM with Auto Reverse function. Changes direction within 2 seconds. User selectable Auto reverse Interval. PUSH-TO-RECENTER switch. Ø Readout : 4 digit for RPM. 3 digit for temperature. Ø Display : 20*4 Super bright LCD display. Ø Hot Plate : 6 Inch SS Top plate with 700W Ceramic heater for fast & uniform heating. Ø Temp. Range : Room Temperature to 350°C. Ø Temp. Stability : Highly stable, ±1°C. Ø Timer : 0-999 minutes. Auto shut-off with End Buzzer Alarm. Ø Accuracy : ±1°C. Ø Temp. Controller : µController based PID. Ø Stirring capacity : Up to 2L. Ø User interface : Multi-turn, Electromagnetic knob for setting of Parameters. Ø Body : Shock proof, powder coated MS body. Ø Accessories : 3 no. Teflon coated Magnetic peddle, Teflon Temperature Probe, Instructional manual. Ø Power : 230V AC Mains ± 10%, @50Hz, 720VA. Ø Weight : 5 Kg approximate. Ø Dimensions : 400mm (L) x 230mm (D) x 140mm (H).			
24	Refrigerated centrifuge	Nos	1.00	
	Make : kemi/ remi/equivalent/LABY • Max. Speed 15,000rpm (200-15,000rpm) in 100rpm increments • Max. RCF 21,380×g, step: 10×g • Speed Accuracy ±20 RPM • Temperature Range -20°C to - 40°C • Rotor Capacity 1.5/2mL×24, 0.5mL×36, PCR8×4, 5mL×12, 5mL×18. • Run Time 30s-99 min; HOLD (continuous running) • Motor DC Brushless Motor • Safety Devices Dual door lock;overspeed/temp detection Internal diagnosis system. • Acceleration /Braking time [Sec] 25s Acceleration / 25s Breaking • entrifuge chamber door with automatic adsorption door lock design, can be closed with a single finger. • Precooling, the compressor will automatically start cooling as long as the set temperature is lower than the ambient temperature. • Sound indicator to prompt that the upper cover is closed to maintain the temperature inside the chamber, after centrifugation. • Advanced R290 fluorine free refrigerant, low carbon and			

	environmental protection. • Maximum rotation speed can be achieved even at 4°C • Up to 9 program storage capacity according to experimental needs. • Biosafety rotor, three-layer seal for biosafety • High-strength aluminum alloy, three layered biosafety to withstand numerous high temperature and high pressure sterilizations. • rotors with 0.2mL, 1.5mL, centrifuge tubes/ PCR tubes capacity.			
25	Rotary Shakers	Nos	1.00	
	Make:kemi/ remi/equivalent/LABY combined advantage of closely controlled incubation/storage temperature with orbital shaking necessary for many laboratory uses like tissue cultures, fermentation studies, enzyme reactions, controlled purification, ageing tests, growth studies etc., Double wall construction, the exterior is made of MS duly powder coated and interior of SS. The door having glass window makes it possible to inspect specimen without disturbing the temperature. Powerful air circulator creates positive airflow through the Incubator			
26	Vacuum oven	Nos	1.00	

	Make:kemi/ remi/equivalent/LABY Certification CE Certification Construction Vacuum Oven is made of Stainless still (S.S.304 / S.S 316) inner and thick gauge Mild steel (CRCA) / S.S. 304 sheet duly epoxy powder coated outer body. Temperature achieved by heaters mounted outside the chamber to consume working chamber. Vacuum Valve & Gas inert line provided on one side of the unit. Insulation (Circular) – 3” High grade glass wool insulation to minimize heat loss. (Rectangular) – 4” High grade glass wool insulation to minimize heat loss. Heating System Heating element made from the best quality kanthal DSD wire is used to develop unique temperature inside the chamber. Safety Safety cum stand by thermostat to cut off the Heater supply in case of overshoot of temperature. Door Toughened glass window in door to allow viewing of samples inside the chamber. Secure door latch and continuous silicon gasket on vacuum chamber provide a tight seal & maintain. Trays Stainless steel shelf systems improve heat conduction to samples & easily removed for cleaning. Supply 230V AC, Single Phase, 50Hz Inside S.S. 304 & Outer Mild steel (CRCA) sheet with powder coated. Temperature Range 50°C to 200°C Temperature Accuracy $\pm 0.2^{\circ}\text{C}$ Control System Imported Microprocessor based auto tuned PID controller with CE mark & dual display of set value & process value for precise control of temperature. Vacuum Capacity Can withstand a vacuum of – 760 mm Hg of mercury relevant to height from sea level Capacity 43 Ltrs 35 x 35 x 35 With Glass window			
27	Cryocan	Nos	1.00	
	Make: CRYOCAN/POLYLAB/EQUVALENT Capacity 23.5Ltrs Empty weight 11.3Kgs Full weigh 30.2Kgs Neck Dia 51mm Outer Dia 400 mm Total Height 654mm Static Evaporation Loss rate 0.118 ltr/day Static Holding Time 174days			
28	Sonicator Frequency(PROBE SONICATOR)	Nos	1.00	

	Make :LABMAN/TECHMACH/EQUIVALENT/LABY Screen Size 4.3 inches TFT Capacity 100 ml Model Name/Number PRO-650 Feature Microprocessor controlled, Temperature, Power, Time Power Supply AC 220V /50HZ System Memory 20 groups Frequency 20-25KHz - Automatic tracking Weight 10 kg + 5kg (Sound Proof Enclosure) Process capacity 0.5-500ml (approx.) Probe Dia (Titanium Alloy) Standard 10mm Temperature range 0-99deg C Overload Protection Yes User Password Protection Yes Input method Touch screen control Output Power 6.5-650W (adjustable) Dimensions LxWxH (mm) 490 x 370 x 280mm Optional Probe 2mm, 3mm, 8mm, 10mm, 12mm Stabilizer Must Salient Features · Touchscreen display - 4.3 inches TFT · User Password Protection available · Microprocessor controlled and completely programmable. · Large LCD display with Time setting · Temperature Indicator and controller · Auto-tuning for convenience and optimal processing efficiency. · Variable Power Output control · Auto frequency tracking · Output amplitude 0-100% adjustment. · Automatic fault alarm Probe Sonicator is a multi-function and multi-purpose instrument that utilizes ultrasonic cavitation in liquid. It can be used for breaking many kinds of cells, bacteria, viruses, animal and plant tissues, also for emulsification and separation , homogenization, extraction, defoaming, cleaning, preparation of nanomaterials, dispersion and accelerated chemical reactions. Widely used in biology, medicine, agriculture, chemistry, materials science, pharmaceutical and other fields of teaching, research, production			
29	Rotary Shaking Incubator	Nos	1.00	

	Make:kemi/ remi/equivalent/LABY LCD Controller THZ-300 Temp. range RT+5 - 65°C Temp. control accuracy 0.1 Speed range 40 - 300rpm Frequency accuracy ±1rpm Platform size(mm) 450×450 Inside height (mm) 330 Overall size W×D×H(mm) 590×825×550 Amplitude 20mm Running time 1 - 99h59min			
30	Weighing Balance	Nos	1.00	
	Make:WENSAR/PRINCE/CITIZEN/EQUIVALENT Capacity 220gm Accuracy 0.001gm Readability 0.001g Repeatability(+/-) 0.001g Linearity (+/-)0.002g Pan Size 100mm			
31	Micropipettes	Nos	1.00	
	Make:TARSON/EQUIVALENT • Ergonomic design provides excellent operating experience • Easy-to-read volume display • The pipettes cover the volume range from 0.1µL to 5mL • Easy calibration and maintenance • Manufactured from innovative materials • Each Micro Pette Plus supplied with an individual calibration certificate according to ISO8655 Volume Range Increment 0.5-2µl 0.1µl 2-20µl 0.5µl 10-100µl 1µl 20-200µl 1µl 50-200µl 1µl 100-1000µl 5µl 200-1000µl 5µl			
32	Microwave oven	Nos	1.00	
	Make:LG/GODREJ/EQUIVALENT Make: LG Capacity 28Ltrs Cavity Stainless Steel Display LED Microwave Frequency (MHZ) 2450 Power Source (V/HZ) 230-240/50 Microwave Power Consumption (Watts) 1400 Convection Power Consumption (Watts) 2200			
33	Vertical Laminar Flow Cabinet	Nos	1.00	

	Make:kemi/ remi/equivalent/LABY • Anti Microbial Powder Coated (60-80µ) Galvanized Iron • Sheet with Epoxy Polyester Thermosetting Sheet • Pressure Gauge Minihelic Gauge (Dwyer /Aerosense make) • Max. Work Area Maximum coverage for easier • hand movements inside the cabinet. The Unit has a 10° Slope for operator's comfort • Gas And Vacuum Cock • Feather Touch Feather Touch Microprocessor Controller • Touch Screen Control Digital Pressure Gauge Rated filter life indicator Timer for UV light UV Lamp hour meter Interlock UV and light switch. • Pre-Filter 10µ with efficiency of 90% (washable HDPE media with FRP PU / SS 304 frame • Supply Filter Mini Pleat HEPA Filter Efficiency 99.999% @ 0.3µm (H-14) High Efficiency Particulate Air • Motor Blower Assembly Variable speed motor • Cleanliness ISO Standard 14644- 1 Class 5 • Front Sash glass sash • Noise Level Less than 60 Db at 1 Meter from the face of the filter • Air Velocity 90FPM at 6" from face of the filter +/- 20 Feet Per Minute • Internal Dimensions (mm) L X B X H 1315 X 630 X 610 • External Dimensions (mm) L X B X H 1435 X 740 X 2025 • Shipping Size (mm) L X B X H 1500 X 895 X 1550 • Ultra Violet Lighting 3 ft length G30T8 30 Watt • Sankyo Denki/Philips make • CE Approved • HEPA Filter			
34	Stereomicroscope With Camera ,Software and suitable Desktop	Nos	1.00	
	Make: SUSWOX Model STZ • Zoom Ratio: 1:5.2 • Zoom range: 0.7x – 4.5x • Standard Magnification: 7x– 45x • with 1x objective & 10x eyepiece • Zoom body: Trinocular/Binocular zoom Body 45° inclined, 360° rotatable, IPD: 54-76 mm built in 1x Objective (WD : 100 mm) • Eyepiece: Wide field paired 10x/ 20 mm • Stand Type: Pillar • Focusing: Rack & Pinion Coarse focusing drive with adjustable focus tension • Transmitted light source with independent Intensity regulator • Reflected LED light Source with independent Intensity regulator • Objectives, eyepieces • An ideal Microscope Camera for Micro photographic been opted by most of the research institutions • Perfect color reproduction capability • Advanced video & image processing application • Custom programmable. • Integrated metal alloy housing • Standard Micrometer Slide for calibration. • AT Series Tablet with 11 inches, HD Camera , inbuilt software			
35	Microscope	Nos	7.00	

	Make: SUSWOX Model SKC-440 I • Optical system • Semi plan achromatic optics with Uniformly centered, interchangeable & parfocal , Tropicalized anti fungus treatment ensures image excellence for long periods in conditions favouring to fungus growth. • Objectives • Semi plan Achromatic SP objectives 4X, 10X, 40X, 100X • Eyepieces • HWF 10x (FN 18 mm) paired eyepiece with eyeguards . The unique optical design provides relief from eye fatigue and renders wide-field images of utmost clarity. Compatible with optionally available eyepiece micrometer. • Dioptic adjustment available on the left eyepiece tube • Observation Head • binocular/Trinocular head (45 degree inclined) , 360 degree rotatable, with diopter adjustment on the left. Interpupillary distance 54 -74mm. • Power supply • Built-in illumination . Universal power supply 100V-240V AC 50/60Hz single phase • 3W LED light source high brightness, longlife (30,000hrs) • LED light source (with battery back-up) high brightness, longlife (30,000hrs). Battery back-up in-built NiMH rechargeable batteries" • Nose Piece • Quadruple revolving outward nosepiece based on precision ball-bearing mechanism with positive click stop. • Body • Aluminium die- cast body with all critical movements based on ball bearing and wire guides thereby ensuring smooth and precise manipulation • Mechanical Stage • Co-axial low drive mechanical stage 125 mm x 145 mm with traverse area of 76 mm x 30 mm with single slide holder. • Focusing System • Co-axial coarse and fine controls with a focus adjustment and fine adjustment knobs. Coarse focus range 20mm. Fine focus rotation 0.2mm • Condenser Holder • Rack and pinion mounted condenser holder • Condenser • Pre-centered abbe condenser with aperture iris diaphragm (N.A. 1.25) focusable with rack & opinion and a continously variable iris diaphragm with a removable blue filter for day light observation			
36	Binocular microscope	Nos	1.00	

	Make: SUSWOX Model SKC- 400 IR • OPTICAL SYSTEM • Achromat Optics with Uniformly centered, interchangeable & parfocal , Tropicalized anti fungus treatment ensures image excellence for long periods in conditions favouring to fungus growth. • OBJECTIVES • PLAN achromat 4X, 10X, 40X, 100X • EYEPIECES • 10x (FN 22 mm) paired eyepiece . The unique optical design provides relief from eye fatigue and renders wide-field images of utmost clarity. Compatible with optionally available eyepiece micrometer • MAGNIFICATION RANGE • 40x ~ 1000x for observation • DIOPTER CORRECTION in EYEpiece • OBSERVATION HEAD • Trinocular head (30 degree inclined), 360 degree rotatable, with diopter adjustment on the left. Interpupillary distance 48 -75mm.(Siedentopf) • POWER SUPPLY • . Universal power supply 100V-240V AC 50/60Hz single phase • LED light source (with battery back-up) high brightness, longlife (30,000hrs). Battery back-up in-built NiMH rechargeable batteries" • NOSE PIECE • Quadruple revolving outward nosepiece based on precision ball-bearing mechanism with positive click stop. • BODY • Aluminium die- cast body with all critical movements based on ball bearing and wire guides thereby ensuring smooth and precise manipulation • MECHANICAL STAGE • Co-axial low drive mechanical stage 196 mm x 150 mm with traverse area of 76 mm x 30 mm with single slide holder • FOCUSING SYSTEM • Co-axial coarse and fine controls with a focus adjustment and fine adjustment knobs. Coarse focus range 20mm. Fine focus rotation 0.25mm • CONDENSER HOLDER • Rack and pinion mounted condenser holder • CONDENSER • Pre-centered abbe condenser with aperture iris diaphragm (N.A. 1.25) focusable with rack & opinion and a continuously variable iris diaphragm with a removable blue filter for day light observation			
37	Biosafety hood -1	Nos	1.00	

	Make:kemi/ remi/equivalent/LABY • Capacity: 1180 mm (4 ft).Bio Safety Cabinet is Class II type A2.Inner construction of stainless steel 304& Outer of Stainless steel with Epoxy coating. HEPA filter (with 99.9995% efficient at 0.3µm particles) is installed as a main filter which produces class 100 or better clean air environment. HEPA filter (with 99.9995% efficient at 0.3µm particles) is installed as an exhaust • Motorized automatic door. down Flow Velocity should be 60 FPM at 4" from the ULPA Grill .Inflow Flow Velocity should be 100 FPM across the work access opening. • It should be Cleanliness Class ISO Standard 14644 -1 ISO Class 3 • Noise Level should be Less Than 60 Db at 1 Meter from the face of the filter • Stages of filtration should be ULPA Final = 0.12µ with an efficiency of 99.9995% • ULPA Exhaust should be = 0.12µ with an efficiency of 99.9995% (ULPA Filter : AAF) • It should be Front Door One piece full view frame less sliding toughened glass door 6 mm thick. ULPA Filter should be Grill SS 304 grills duly perforated and polished • Motor Blower Assembly should be "Kruger" Centrifugal Fan KDD 9/7 variable speed • should be with LCD screen displaying "Micro processor controlled Real Time Functions" Viz, Down flow velocity, Exhaust flow velocity Continuous Monitoring of ULPA Filter media ,Left Over life of Filter media, Static/ Negative pressure,Timer for UV Lamp • Alarm for Excess should be Height opening and automatic cutoff for UV tube when the door is open .Inter locked should be switches for UV & Lights			
38	Horizontal Deep Freezer(-20°C)	Nos	1.00	
	Make:BLUE STAR/EQUIVALENT Capacity 500Ltrs Gross Net capacity 485 Ltrs Temp range -24° C to +8° C Compressor Energy Efficient Power Consumption 275 W Refrigerant R290 Voltage 240 V Frequency 50 Hz No. Of lids/ Door 2nos Basket with Inner cabinet PP liner It Thermostat controller It Digital controller It Door Lock It Defrost: Manual Suitable Stabilizer			
39	Refrigerator	Nos	1.00	

	Make: LG/GODREJ/EQUIVALENT Finish Steel Capacity(L) 235 L Compressor Warranty 10 years Cooling Type Frost Free Exterior Body Build Steel Door Handle Type Side Pocket Handle Display Type Internal UI Touch Panel Shelf Material Toughened Glass Vegetable / Fruit Drawer Interior Light LED Egg Tray Energy Rating Star Compressor Type Inverter			
40	UV-VIS Double Beam Spectrophotometer (with PC) Make: EQUIPTRONICS/SYSTRONICS/ EQUIVALENT Ø Double BEAM with Auto Scanning; MICRO PROCESSOR BASED UV-VIS- 190 nm to 1100 nm; with dedicated PC & EZ CRUZ - 16 SP with USB 2.0 connectivity. Ø Cuvette: 2 nos Quartz APH Jacketed 10 mm path length. APHQ material. Ø High precision photodiode Detector (Si) Ø PC can perform Auto Scan, find λ Max., Plot Concentration graphs, find the 'K' factor, Store users' information and recall whenever required. Ø Auto Zero + RTI. Ø 1ST READING IN JUST UNDER 10 SECONDS. Ø ONE BUTTON OPERATION WITH WELL LAID OUT PANEL WITH NOTES AND INSTRUCTIONS. Ø Double Beam Mirror Optics Ø Digital readout of %T, O.D. Conc. and wavelength, Red & Green display Ø Source: Halogen & D2 lamp with cut off filter IR. Ø Resolution : 0.1% in %T, 0.001 in O.D., 1 in 999 for Conc. in PC mode Ø Wave length accuracy and stability : ± 0.1 nm Ø Reading stability : ± 1 digit Ø 6 point concentration calibration Ø Low volume sample : 1ml Ø Active stand alone mode. Ø Power: 230V AC, 50Hz, 100VA with voltage indicator. Ø Dimension: 230mm (H) x 525mm (W) x 555mm (L), Weight: 15 Kg. Ø Body: NANO Crystalline ABS™ Ø IQ, OQ, PQ with detail operational manual. Ø EZ CRUZ - 16 SP, 22 CFR Compliance, Life time License. Ø Stores data such as name of user, time, experimental method, etc. Ø Tabulates the data and plots graphs automatically. Ø Scans and detects λ m peaks. Ø Combines two or more graphs on a page for comparative study. Ø Performs mathematical operations i.e. Summation and subtraction of two graphs. Ø Plots graph of o.d. Vs time (useful for kinematics). Ø Plots graph of Conc. v/s OD for estimation. Ø Technology: Quantum Zuerkst. Ø ISO 9001: 2015 Certified.	Nos	1.00	

	Ø Certificate of Compliance: CE CERTIFIED Ø Provision for 10mm to 50mm path length on request. Ø Provision for Micro cuvette on request. Ø Variable Scan speed. Ø Variable Kinetic time scanning. Ø Inbuilt I5 PC with windows10 in touch TFT screen with HDMI input, Mouse & keyboard, wifi & LAN ports.			
41	PCR	Nos	1.00	
	7 inch Large color touch panel screen for easy programming with user friendly software High performance DSP and temperature control Fast heating and cooling rate Large user program storage Sample Capacity 96X0.2mL PCR tube, 8X12 PCR plate or 96 well plate Heating Temperature Range 4-105°C Lid Temperature Range 30-110°C Temperature Display Accuracy ±0.1°C Max. Heating/Cooling Rate 5°C/Sec Gradient Temperature Setting Range 30-99°C Gradient Range 1-42°C Display 7" LCD 800x480 User defined file system Max. 30 segments 99 cycles max. 16 folder and 16 files each folder Input Touchpanel			
42	GEL DOC	Nos	1.00	
	Make:BR-BIOCHEM/BHAGWATHI/GLOBE SCIENTIFIC/EQUIVALENT Usage/Application Laboratory Use UResolution 5.0 Megapixels,2592 x 1944 A/D 16bit(65536 Grey Scales) Quantum efficiency Less than or equal 70% Readout noise 5.1e-RMS SNR 70.1db Availability In Stock BR-GELD-2100 Series Gel Documentation and Analysis System is designed for the detection and documentation of nucleic acids and proteins. It adopts a high resolution and high sensitive scientific CCD-Camera, which enables the instrument to capture utter weak signals under extremely low illumination condition. The automatic controls and the intuitive software we offered can help the researchers to get rid of the complicated operation process and increase therefore the experiment efficiency. Gel Inspection: Diverse dyes, e.g.: Ethidium Bromide, SYBRGold, SYBR Green, SYBR Safe, GelStar, Texas Red, Fluorescein, marked DNA/RNA detection. Protein Inspection: Commassie Brilliant Blue, Silver Staining and Fluorescent dyes, e.g.: Sypro Red, SyproOrange???Deep Purple, Pro-Q Diamond etc.			

43	Nano Drop Lite Plus Spectrophotometer	Nos	1.00	
	Make: MICRO DIGITAL/THERMO SCIENTIFIC /EQUIVALENT The NanoDrop Lite Plus Spectrophotometer is designed for routine measurements of nucleic acid and protein samples using only 1–2 µL. Our pioneering sample-retention technology eliminates the need to dilute highly concentrated samples, making measurements easy. Simply pipette your sample directly onto the optical measurement pedestal, measure, and wipe clean with a lint-free wipe. Its compact design, with built-in controls and software, means the NanoDrop Lite Plus Spectrophotometer takes up little space on your benchtop. With an intuitive user interface and modern industrial design, the NanoDrop Lite Plus Spectrophotometer is the instrument of choice for basic microvolume measurements. Even if budgets are tight, your lab can have a NanoDrop, too. Confidence in your results • Standard measurements o Measures purified DNA, RNA, and protein concentration up to 30 Abs § Up to 1,500 ng/µL dsDNA § Up to 1,200 ng/µL RNA § Up to 45 mg/mL BS - o Calculates critical A260/A280 and A260/A230 purity ratios • Fast, accurate measurements from only 1–2 µL—saves precious samples, no waste - o Sample-retention technology uses surface tension to hold the sample in place—no cuvettes or expensive consumables are needed • Intuitive interface - o Built-in touchscreen operation - o No computer required • Data storage and transfer - o Last 1,000 measurements saved locally; export data to a USB device • Optional printer available for freezer-compatible labels (not included) • Compact and portable fits on any lab bench, ready for your next experiment • Affordably priced—stretch tight budgets Reach your goals • Academic teaching—educate students on molecular biology principles and experimental techniques on an industry-leading instrument • Academic research labs—facilitate your research and publication of your novel research findings • Biotech start-ups—accelerate the develop of new products Specification Absorbance Accuracy; 3% at 0.97 A, 302 nm, 23 ± 2°C Abs/mm at 25 °C Absorbance Range: 0.04 to 30 Abs (10 mm equivalent) Certifications/Compliance: UL/CSA and CE Compatibility: Local Control Only Concentration: 1,500 ng/µL (1,200 ng/µL) dsDNA (RNA)45 mg/mL (21 mg/mL) BSA (IgG) Connections: USB 2.0 Port Depth: 22 cm Detection Limits: 2.0 ng/µL (1.6 ng/µL) dsDNA (RNA)0.06 mg/mL (0.03 mg/mL) BSA (IgG) Detector Type: 2048-element CMOS Linear Image Sensor Display: LCD Touchscreen			

	Light Source: Xenon Flash Voltage: 100/240 V Wavelength Range: 230 nm, 260 nm, 280 nm Footprint: 27 x 22 x 22 cm (0.6 x 8.7 x 8.7 in); W x D X H For Use With (Application): Nucleic Acid Quantification, DNA Quantification, RNA Quantification, Protein Quantification Height (Metric) 22 cm Material: Stainless Steel (303), Quartz Fiber Measurement Time: ≤ 5 seconds No. of Samples: 1 Pathlength: 1.0 mm and 0.2 mm (auto adjust) Power Consumption: 18 W (standby < 3 Watts) Printer Included: No Processor: Standalone control with data export via USB Flash Drive Sample Volume (Metric): 1 to 2 µL Spectral Resolution: ≤ 1.8 nm (FWHM at Hg 254 nm) Wavelength Accuracy: ± 1 nm Wavelength Repeatability: Typical: 0.002 Å (1.0 mm path) or 1%CV, whichever is greater. (SD of 20 individuals measurements at 0.74 Abs)			
44	Western Blotting Unit	Nos	1.00	
	Make:BIOTECH/BIOBEE/EQUIVALENT 450 ml Buffer Capacity 7.5x10 cm Western Blotting System Without Tank, MP-3035			
45	The horizontal electrophoresis unit	Nos	1.00	
	Make:EQUIPTRONICS/SYSTRONICS/ EQUIVALENT Sturdy inbuilt Platinum wire, 3 combs of different well sizes (2 sets each). Ø EASY VIEW ATTRACTIVE PMMA BODY Ø TRAY WITH INBUILT RULER Ø SELF HEIGHTED COMBS Ø UV TRANSPARENT GEL TRAY Ø All wells should be numbered. Ø Casting Tray: Easy UV transparent Casting Tray inbuilt scale and numbered wells. Ø Apparatus body: Easy view, attractive colour PMMA body. Auto thermo-molded, leak proof body with connectors. Ø Combs: 3 different combs with self-adjusted well height. Cumbersome procedure of height adjusted eliminated. Just put the combs in the slots. Ø Electrodes: Inbuilt sturdy 99.999% Pure Platinum wire. Ø Accessories : 2 sets of 3 combs each, Gel cutter, Gel spatula, Sturdy carry case, Thick patch cords with silver plated pins for Zero Contact Resistance, syringe. Ø Weight : 1Kg approx., Ø Technology: Quantum Zuerkst. Ø ISO 9001: 2015 Certified. Ø Certificate of Compliance: CE CERTIFIED Ø SIXE OF GEL (L X W) IN mm. 100 X100. Ø RUN LENGTH IN mm : 100 Ø NO. OF SAMPLES/WELLS: 10. Ø COMB 1 – WELL SIZE: 5 X 2 X 3 MM. Ø COMB 2 – WELL SIZE: 5 X 2 X 5 MM. Ø COMB 3 – WELL SIZE: 5 X 2 X 8 MM.			
46	SDS Page	Nos	1.00	

	Make: EQUIPTRONICS/SYSTRONICS/ EQUIVALENT Sturdy inbuilt Platinum wire, 3 combs of different well sizes (2 sets each). Ø EASY VIEW ATTRACTIVE PMMA BODY Ø TRAY WITH INBUILT RULER Ø SELF HEIGHTED COMBS Ø UV TRANSPARENT GEL TRAY Ø All wells should be numbered. Ø Casting Tray: Easy UV transparent Casting Tray inbuilt scale and numbered wells. Ø Apparatus body: Easy view, attractive colour PMMA body. Auto thermo-molded, leak proof body with connectors. Ø Combs: 3 different combs with self-adjusted well height. Cumbersome procedure of height adjusted eliminated. Just put the combs in the slots. Ø Electrodes: Inbuilt sturdy 99.999% Pure Platinum wire. Ø Accessories : 2 sets of 3 combs each, Gel cutter, Gel spatula, Sturdy carry case, Thick patch cords with silver plated pins for Zero Contact Resistance, syringe. Ø Weight : 1Kg approx., Ø Technology: Quantum Zuerkst. Ø ISO 9001: 2015 Certified. Ø Certificate of Compliance: CE CERTIFIED Ø SIZE OF GEL (L X W) IN mm. 100 X100. Ø RUN LENGTH IN mm : 100 Ø NO. OF SAMPLES/WELLS: 10. Ø COMB 1 – WELL SIZE: 5 X 2 X 3 MM. Ø COMB 2 – WELL SIZE: 5 X 2 X 5 MM. Ø COMB 3 – WELL SIZE: 5 X 2 X 8 MM.			
47	Lyophilizer	Nos	1.00	
	Make: LABMAN/THERMOSTAR/FREEZ DRYER SYSTEMS/EQUIVALENT Usage/Application Industrial Power Consumption 5 kW Production Capacity 150 Kg/Day Brand REVA Voltage 380 V Material Stainless Steel Availability In Stock Owing to our expertise in this field, our firm is engaged in supplying an extensive array of Industrial Lyophilizer. Key Features Custom configured to meet your demands Hot swappable/redundant refrigeration components for uninterrupted use and component management Control systems with superior historical trend functionality and batch records Optional validation assistance, Installation Qualification and Operational Qualification			
48	Vertical Laboratory Autoclave (Pedal Free)	Nos	1.00	

	Make:kemi/ remi/equivalent/LABY • CE Certification • Vertical double walled design, has single chamber for Steam & water. Unique Pedal free design • Lower Working Height. • Adjustable legs • Lid. flange & bottom sheet also made of S.S all joints Argon welded. • Joint less silicon Gasket. Heavy duty industrial flange heater. • Lid fitting Pressure gauge 0-30 PSI, safety spring loaded Pressure valve, steam Release valve • S. S. Rod Basket • Safety high pressure release valve • Vacuum breaker & self-purging system • Inside S.S. 304 mirror finish & Outer SS 304 mirror finish • Capacity 53 Ltrs • Internal size Dia. x Ht. cm 35 x 55 • Supplied with Microprocessor Based Digital Temperature controller with inbuilt Timer • Low water level cut off system with magnetic float switch for heater's safety with alarm • Safety digital temperature controller			
49	Analytical Balance	Nos	3.00	
	Make:WENSAR/PRINCE/CITIZEN/EQUIVALENT Capacity 220gm Accuracy 0.001gm Readability 0.001g Repeatability(+/-) 0.001g Linearity (+/-)0.002g Pan Size 100mm			
50	PCR machine	Nos	1.00	
	Make:LABMAN/BR-BIOCHEM/EQUIVALENT Sample Capacity 96X0.2mL PCR tube, 8X12 PCR plate or 96 well plate Heating Temperature Range 4-105°C Lid Temperature Range 30-110°C Temperature Display Accuracy ±0.1°C Max. Heating/Cooling Rate 3°C/Sec Gradient Temperature Setting Range Non-Gradient Gradient Range NA Display 7" LCD 800x480 User defined file system Max. 30 segments 99 cycles max. 16 folder and 16 files each folder Input Touchpanel			
51	UV-Vis double beam spectrophotometer	Nos	2.00	

	Make: EQUIPTRONICS/SYSTRONICS/ EQUIVALENT Ø Double BEAM with Auto Scanning; MICRO PROCESSOR BASED UV-VIS- 190 nm to 1100 nm; with dedicated PC & EZ CRUZ - 16 SP with USB 2.0 connectivity. Ø Cuvette: 2 nos Quartz APH Jacketed 10 mm path length. APHQ material. Ø 2 POSITION AUTO SAMPLE CHANGER Ø REAL TIME INITIALIZATION. 1ST READING IN JUST UNDER 10 SECONDS. Ø ONE BUTTON OPERATION WITH WELL LAID OUT PANEL WITH NOTES AND INSTRUCTIONS Ø SIMPLE 3 STEP OPERATION PLACE CUVETTE -> SET λ -> PRESS READ. Ø Double Beam Mirror Optics Ø Panel: One Button Feather Touch Operation. Well laid out notes & instructions. Ø Digital readout of %T, O.D. Conc. and wavelength, Red & Green display Ø Source: Halogen & D2 lamp with cut off filter IR. Ø Resolution : 0.1% in %T, 0.001 in O.D., 1 in 999 for Conc. in PC mode Ø Wave length accuracy and stability : ± 0.1 nm Ø Reading stability : ± 1 digit Ø Technology: Quantum Zuerkst. Ø 6 point concentration calibration Ø Low volume sample : 1ml Ø Software included EZ CRUZ - 16 SP (LIFETIME LICENSE) Ø CAN BE USED WITH OR WITHOUT PC Ø Power: 230V AC, 50Hz, 100VA with voltage indicator. Ø Dimension: 230mm (H) x 525mm (W) x 555mm (L), Weight: 15 Kg. Ø Body: NANO Crystalline ABS™ Ø IQ, OQ, PQ with detail operational manual. Ø Variable Scan speed. Ø Variable Kinetic time scanning. Ø ISO 9001: 2015 Certified. Ø Certificate of Compliance: CE CERTIFIED			
52	Micro centrifuge	Nos	1.00	
	Make:kemi/ remi/equivalent/LABY Speed range 300-4500rpm,increment: 100rpm Max. RCF 2490×g Speed accuracy ± 20rpm Rotor Type A12-10P, A6-50P Run time 30sec-99min/Continuous Motor Brushless DC Motor Display LCD Program Speed/RCF switch; Short-time run function; sound-alert function Safety Features Door interlock,Overspeed detector; Automatic Internal Diagnosis Acceleration/deceleration A12-10P: 20s/13s A6-50P: 20s/90s Easy programming to achieve high accuracy of speed control Easy operation with intuitive menu and easy-to-read display Rotor speed can be set and displayed by RPM or G-force Maintenance-free brushless DC motors Quick spin function with press and hold pulse key Lid with electric lock and automatic release function saves processing time and prevents samples overheating Automatic self-diagnosis on startup showing accumulative running time and last running parameters			

53	Vertical Laboratory Autoclave (Pedal Free)	Nos	2.00	
	Make:kemi/ remi/equivalent/LABY • CE Certification • Vertical double walled design, has single chamber for Steam & water. Unique Pedal free design • Lower Working Height. • Adjustable legs • Lid. flange & bottom sheet also made of S.S all joints Argon welded. • Joint less silicon Gasket. Heavy duty industrial flange heater. • Lid fitting Pressure gauge 0-30 PSI, safety spring loaded Pressure valve, steam Release valve • S. S. Rod Basket • Safety high pressure release valve • Vacuum breaker & self-purging system • Inside S.S. 304 mirror finish & Outer SS 304 mirror finish • Capacity 119 Ltrs • Internal size Dia. x Ht. cm 45 x 75 • Supplied with Microprocessor Based Digital Temperature controller with inbuilt Timer • Low water level cut off system with magnetic float switch for heater's safety with alarm • Safety digital temperature controller			
54	LABORATORY PRECISION OVEN Uniform Temperature 250°C / 225° C	Nos	1.00	
	Make:kemi/ remi/equivalent/LABY Certification Construction Tripled walled construction. Insulation 3" High grade heavy glass wool insulation ensures stable temperature & reduced energy consumption. Air Recirculation Motorized Blower on top side of the chamber develops unique air flow system which ensures maximum uniform temperature distribution inside the chamber. Unique air flow assures quick recovery after door openings. Blower Motor 1/12 HP, TEFC , F-class insulation, Single Phase, 1440 RPM, 230 Volts Heating System S. S. tubular heating elements used on side walls to maintain uniform condition inside the chamber. Safety Safety cum stand by thermostat to cut off the heater supply in case of overshoot of temperature. Door Standard : Single door fitted on heavy cast and chromium plated hinges with spring and roller type latch with Asbestos Trays Specially designed Stainless Steel Rod Trays which ensure uniform temp. distribution Inside S.S. 304 & Outer Mild steel (CRCA) sheet with powder coated Temperature Range 5° C above ambient to 250° C Temperature Accuracy $\pm 0.2^{\circ}$ C Temperature Uniformity $\pm 5^{\circ}$ C Control System Imported Microprocessor based auto tuned PID controller with dual display of set value & process value for precise control of temperature			

	Capacity Liters 216 Internal size H x W x D cm 60 x 60 x 60			
55	Microscopes	Nos	20.00	

	Make:SUSWOS/ASHA/LABOMED/EQUIVALENT • Optical system • Semi plan achromatic optics with Uniformly centered, interchangeable & parfocal , Tropicalized anti fungus treatment ensures image excellence for long periods in conditions favouring to fungus growth. • Objectives • Semi plan Achromatic SP objectives 4X, 10X, 40X, 100X • Eyepieces • HWF 10x (FN 18 mm) paired eyepiece with eyeguards . The unique optical design provides relief from eye fatigue and renders wide-field images of utmost clarity. Compatible with optionally available eyepiece micrometer. • Diopter Correction • Dioptic adjustment available on the left eyepiece tube • Observation Head • Binocular head (45 degree inclined), 360 degree rotatable, with diopter adjustment on the left . Interpupillary distance 53 -75mm • Trinocular head (45 degree inclined), 360 degree rotatable, with diopter adjustment on the left. Interpupillary distance 53 -75mm. • Monocular Head (45 degree inclined), 360 degree rotatable. • Power supply • Built-in illumination base with pre-centered 6V 20W halogen light source coupled with an efficient collector lens system. Universal power supply 100V-240V AC 50/60Hz single phase • 3W LED light source high brightness, longlife (30,000hrs) • LED light source (with battery back-up) high brightness, longlife (30,000hrs). Battery back-up in-built NiMH rechargeable batteries" • Nose Piece • Quadruple revolving outward nosepiece based on precision ball-bearing mechanism with positive click stop. • Body • Aluminium die- cast body with all critical movements based on ball bearing and wire guides thereby ensuring smooth and precise manipulation • Mechanical Stage • Co-axial low drive mechanical stage 125 mm x 145 mm with traverse area of 76 mm x 30 mm with single slide holder. • Focusing System • Co-axial coarse and fine controls with a focus adjustment and fine adjustment knobs. Coarse focus range 20mm. Fine focus rotation 0.2mm • Condenser Holder • Rack and pinion mounted condenser holder • Condenser • Pre-centered abbe condenser with aperture iris diaphragm (N.A. 1.25) focusable with rack & opinion and a continuously variable iris diaphragm with a removable blue filter for day light observation			
56	BOD Incubator	Nos	1.00	
	Make:kemi/ remi/equivalent/LABY These Cooling Incubators are designed specially for close control of incubation/ storage temperatures. These are used for BOD test, storage of sensitive cultures, vaccines etc; culture of bacteria micro -organism and plant life; serum incubation studies and immunological work etc. There is provided illumination inside the working chamber with the help of CFL. Double wall construction, inner made of Alu/SS			

	and outer M.S duly powder coated with adjustable trays. The instrument is having CFC free refrigeration and heating system with powerful Air circulation for creating positive airflow throughout the working chamber. The unit having a temperature range from 5 0 C to 60 ° C with an accuracy of +/- 0.5 ° C.			
57	Orbital shaker with incubator	Nos	1.00	
	Make:kemi/ remi/equivalent/LABY LCD Controller THZ-300 Temp. range RT+5 - 65°C Temp. control accuracy 0.1 Speed range 40 - 300rpm Frequency accuracy ±1rpm Platform size(mm) 450×450 Inside height (mm) 330 Overall size W×D×H(mm) 590×825×550 Amplitude 20mm Running time 1 - 99h59min			
58	Shaking water bath	Nos	1.00	
	Make:kemi/ remi/equivalent/LABY Double wall Inner made of stainless steel, outer chamber made of M.S. duly powder coated. Gap between the two walls filled with glass wool to maintain the temperature. Temperature is controlled by Micro processor based Digital temperature controller Cum Indicator (LED) controls temperature from ambient +5oC			
59	BACTERIOLOGICAL INCUBATOR with forced air recirculation	Nos	1.00	

	Make:kemi/ remi/equivalent/LABY Certification CE Certification Construction Double walled construction with backside triple. Insulation 3" Thick PUF Insulation ensures stable temperature & reduced energy consumption. Air Circulation Motorized Blower on back side of the chamber develops unique air flow system which ensures maximum uniform temperature distribution inside the chamber. Unique air flow assures quick recovery after door openings. Blower motor 1/12 HP, TEFC , F-class insulation, Single phase, 1440 RPM, 230 Volts Heating System High quality S.S. Tubular Heaters are used for better heating conditions. Observation Door Full view Acrylic door / Glass Door with gasket to view samples inside the chamber. Trays Specially designed stainless steel rod trays ensure uniform temperature distribution. Safety Additional Safety cum stand by thermostat to cut of heater supply in case temperature of overshoot. Features Ø Fiber/PU Wheel with front lockable for easy movement. (available for 100 Ltr. Capacity onwards) Ø MCB for electrical safety Ø Adjustable tray height arrangements. Supply 230V AC, Single Phase, 50Hz Inside S.S. 304 & Outer Mild steel (CRCA) sheet with powder coated. Capacity 170 Liters Internal size H x W x D cm 70 x 60 x 40 Temperature Range 5°C above ambient to 60°C Temperature Accuracy ± 0.2 °C Temperature Uniformity ± 1 °C Control System Imported microprocessor based auto tuned PID controller with CE mark & dual display of set value & process value for precise control of temperature			
60	Digital Ultrasonic Bath	Nos	1.00	
	Make:LABMAN/LABY/KEMI/ASHA *Volume (L) 14 LTRS Power (W) 280 Frequency 40/80 Timer Range 0-99 Heating Range 0-100 Power Range 10% ~100% Essential for thorough cleaning of lab glassware, delicate instruments, and sensitive components. Ideal for sample preparation, ensuring contaminant-free analysis in experiments. Perfect for maintaining aseptic conditions in cell culture and microbiological studies. Crucial for precise cleaning in chromatography, spectroscopy, and nanotechnology research. Supports environmental sampling, material science, biotechnology, and pharma ceutical research by ensuring the highest cleanliness			

	standards for equipment and samples.			
61	Digital weighing balance	Nos	1.00	
	Make:WENSAR/PRINCE/CITIZEN/EQUIVALENT Capacity 220gm Accuracy 0.001gm Readability 0.001g Repeatability(+/-) 0.001g Linearity (+/-)0.002g Pan Size 100mm			
62	Deep Freezer	Nos	1.00	
	Make:BLUE STAR/EQUIVALENT Temperature Range [°C] -10 - -25 Effective Capacity [Liters] 320 Exterior dimensions W x D x H [mm] 673 x 676 x 1886 Interior dimensions W x D x H [mm] 508 x 455 x 1393 Insulation Thickness [mm] 80 Exterior Finishing White Plastic Coated Galvanised Steel Interior Finishing White Plastic Coated Galvanised Steel Inner doors 5 Shelves 4 Levels 5 Mechanical Lock Battery Interior chamber temperature probe Controller Type Digital Screen Refrigerant Non HCFC Voltage/Frequency [V / Hz] AC220 / 50 Power [W] 280 Door open alarm Yes Temperature Resolution [°C] 0.1 Temperature Uniformity [°C] ≤4 Cooling Time [h] ≤2.6			
63	Single Beam VISIBLE Spectrophotometer	Nos	3.00	

	Make: EQUIPTRONICS/SYSTRONICS/ EQUIVALENT Ø Single BEAM. UV-Visible Region 190 nm to 1100 nm. MICRO PROCESSOR BASED. Ø Cuvette: 2 Nos Quartz APH Jacketed 10 mm path length. APHQ. Ø SIMPLE 3 STEP OPERATION PLACE CUVETTE -> SET λ -> PRESS READ. Ø 2 POSITION AUTO SAMPLE CHANGER Ø NO MANUAL CONTROLS. LOW MAINTAINANCE. Ø WELL LAID OUT PANEL WITH NOTES AND INSTRUCTIONS Ø SPECIALLY DEVELOPED FOR SMALL LABORATORIES, TEACHERS, AND STUDENTS. Ø One Button Reading, Insert Blank, Sample & Read, Feather touch. Ø Single Beam Mirror Optics. Ø Range: 190 nm to 1100 nm Ø Digital readout of O.D., %T, wavelength & Conc. Red & Green Display. Ø Source: Halogen & D2 Lamp. Ø Cut off filter IR internal. Ø Resolution: 0.1% in %T, 0.001 in O.D., 1 in 999 for Conc. Ø Spectral bandwidth 1 nm. Ø Wave length accuracy: ± 1 nm. Ø Wave length stability: ± 1 nm. Ø Reading stability: ± 1 digit. Ø O.D : 0 - 1.999 Ø %T : 0-100.0 Ø Conc. : 0-999 Ø 2 point concentration calibration. Ø Low volume sample: 1ml. Ø Power: 230V AC, 50Hz, 100VA. Ø Weight: 14 Kg. Ø Dimension: 180mm (H) x 375mm (W) x 540mm (L). Ø Body: NANO Crystalline ABS™ Ø Feather touch controls. Ø Panel: Well laid out panel with notes & instructions. Ø Inbuilt AC MAINS voltage indicator. Ø IQ, OQ, PQ with detail operational manual. Ø Technology: Quantum Zuerkst. Ø ISO 9001: 2015 Certified. Ø Certificate of Compliance: CE CERTIFIED			
64	Trinocular Research Microscope	Nos	3.00	

	Make: SUSWOS/ASHA/LABOMED/EQUIVALENT Microscope Trinocular with tablet(11 ") • Body Aluminum die-casting metal frame, Protective covering • Optical System Infinity optical system • Illumination System Built-in transmitted illumination system, LED Power Consumption 0.5 W (nominal values) • Focusing Stage height movement (coarse movement stroke: 15 mm), coarse adjustment limit stopper, • Torque adjustment for coarse adjustment knob, Fine focus knob (minimum adjustment gradations: 2.5 µm) • Revolving Nosepiece Fixed quadruple nosepiece • Stage Wire movement mechanical fixed stage • Traveling range: 76 mm (X) x 30 mm (Y), Specimen holder, Specimen position scale • Observation Tube 30° inclined binocular tube • Interpupillary distance adjustment range: 48 – 75 mm, Eye point adjustment: 370.0 – 432.9 mm • Objectives Plan achromat, anti-fungus • 4x NA: 0.10 W.D.: 27.8 mm • 10x NA: 0.25 W.D.: 8.0 mm • 40x NA: 0.65 W.D.: 0.6 mm • 100xOil NA: 1.25 W.D.: 0.13 mm • Eyepiece (10x) Field Number (FN): 20 (anti-fungus) • Dark field stop (CH2-DS+CH2-FH) • Rated Voltage/Electric Current AC 100–240 V 50/60 Hz 0.4A. AT Series Tablet with 11 inches, HD Camera , inbuilt software			
65	Binocular microscopes	Nos	17.00	
	Make: SUWOX Model SKC-440 Bi Achromatic Objectives: 4x, 10x, 40x SL and 100x SL (oil). Eyepieces: WF 10x (Paired). Magnification: 40x to 1000x. Observation Head: - Binocular Observation head with 45° inclination, Rotatable through 360° and can be fixed in any direction. Nosepiece: - Quadruple revolving nosepiece is provided with accurate centering and positive click stop for smooth accurate rotation. Stage: - Stage Size 135x140mm. X-Y movement of 50x70mm with fully graduated vernier scales. Condenser- Bright Field Condenser 1.25 N.A with iris diaphragm and swing out filter holder can be moved through rack and pinion knob. Illumination: - Illumination through LED The microscope is packed in mold Styrofoam box with vinyl cover, duster, cleaning brush, filter, immersion oil, and operating manual			
66	Stereo Zoom Microscope	Nos	1.00	
	Make: SUSWOX Model STZ Observation Head-Straight Binocular head with interpupillary adjustment fitted on a pole type stand Stage- Stage with clips and reversible black & white plate Objective ; Fixed achromatic objectives 2X or 3X Eyepieces; Widefield Eyepieces WF 10x or 15X			
67	"Dissection Microscope	Nos	13.00	

	Make: SUSWOX Model D-2 Heavy round base with a precisely designed body, providing convenience for easy lifting and movement. Sensitive focussing is done by rack-pinion moving on a lapped dovetailed guideway with a stopper to limit the downward movement. A joint Revolving Arm is provided for moving magnifying lens over full area of the stage; it is easily replaceable by a special BULL EYE LENS 83mm. dia. to increase the field of vision. Senior Dissecting Microscope RDM-4A plano-concave mirror fitted in fork for light reflection, sturdy removable handrests and arrangement for inserting white or black plate for respective background, help easy working on the instrument. Base - Heavy round base with precisely designed body. Focussing - Sensitive focussing, done by rack and pinion arrangement. Revolving arm provided for moving magnifying lens over full stage area. Stage - 100mm x 100mm with glass plate. Illumination - A plano-concave lens fitted in fork for light reflection. Optics - 10x & 20x Eyepieces & special Bull Eye Lens 83mm diameter.			
68	UV Visible Spectrophotometer Fixed Bandwidth, 190-1100 nm Make: EQUIPTRONICS/SYSTRONICS/ EQUIVALENT Ø Single BEAM with Auto Scanning; MICRO PROCESSOR BASED UV-VIS- 190 nm to 1100 nm; P.C. Compatible with EZ CRUZ - 16 SP software – USB 2.0 connectivity. Ø Cuvette: 2 Nos Quartz APH Jacketed 10 mm path length. APHQ. Ø REAL TIME INITIALIZATION. 1ST READING IN JUST UNDER 10 SECONDS. Ø ONE BUTTON OPERATION Ø WELL LAID OUT PANEL WITH NOTES AND INSTRUCTIONS. Ø 2 POSITION AUTO SAMPLE CHANGER Ø SIMPLE 3 STEP OPERATION PLACE CUVETTE -> SET λ -> PRESS READ. Ø Single Beam Mirror Optics. Ø Operation: One Button Feather Touch Operation. Ø Range: 190 nm to 1100 nm. Ø Digital readout of %T, O.D. Conc. and wavelength, Red & Green display. Ø Source: Halogen & D2 lamp. Ø Cut off filter IR. Ø Resolution: 0.1% in %T, 0.001 in O.D., 1 in 999 for Conc. in PC mode. Ø Spectral bandwidth 1 nm. Ø Wave length accuracy : ± 1 nm. Ø Wave length stability : ± 1 nm. Ø Reading stability : ± 1 digit. Ø Inbuilt AC MAINS voltage indicator. Ø 6 point concentration calibration. Ø Low volume sample : 1ml. Ø Software included EZ CRUZ - 16 SP Ø Auto scan, find λ max., Conc. graph, K-factor, Users info can be re called. Ø CAN BE USED WITH OR WITHOUT PC. Ø Power: 230V AC, 50Hz, 100VA Ø Weight: 15 Kg. Ø Dimension : 230mm (H) x 525mm (W) x 555mm (L) Ø Body: NANO Crystalline ABS™	Nos	2.00	

	Ø IQ, OQ, PQ with detail operational manual. Ø Technology: Quantum Zuerkst. Ø Variable Scan speed. Ø Variable Kinetic time scanning. Ø ISO 9001: 2015 Certified. Ø Certificate of Compliance: CE CERTIFIED			
69	Laboratory Deep Freezer, -80 c	Nos	1.00	
	Make: LABIX/ULTRA/LABY/ASHA/EQUIVALENT Temperature range [°C] -50 - -86 Nominal capacity [Liters] 390 Insulation thickness [mm] 126 Exterior finishing White plastic coated galvanised steel Interior finishing Stainless steel Inner door 4 Shelves 3 Levels 4 Cooling time [h] ≤ 6 Temperature uniformity [°C] ≤ 6			
70	Digital Orbital Shaker	Nos	1.00	
	Make:kemi/ remi/equivalent/LABY Max.load capacity is 3kg with platform Double LEDs for independent display of time and speed Speed range of 40-200rpm Wide range of platforms for use with a variety of vessels Orbital diameter 20mm Max. load capacity (with platform) 3 Kgs Motor type DC motor Time Settings Range 1min-19h59min Speed Range 40-200 RPM Speed Display LED Timer Display LED Voltage 100-240V,50/60Hz			
71	Compound Microscope	Nos	2.00	
	Make: SUSWOX Model SK-555 Body - Monocular Tube, inclinable upto 90°, length 160mm. Nosepiece - Triple revolving nosepiece with accurate centering and positive click stops Stage - Fixed square stage of 120x120mm with stage clips. Illumination - Plano-Concave 50mm adjustable mirror on gimble mount. Objectives - Achromatic 10X & 40X. Eyepieces - Huygenian 5X-10X-15X (any two) or Wide field 10X. Packing - The Microscopes are packed in full mould Styrofoam Boxes with Vinyl Cover, Duster, Cleaning Brush, Filter, Immersion Oil and Operating Manual. Magnification; 50X-600X An ISO 9001:2015, 14001:2015, 13485:2016, FDA, WHO-GMP, CE & BIS Certified Company			
72	Digital Rotary Evaporator	Nos	1.00	

	Make: LABMAN/LABY/KEMI/ASHA/ Flask Capacity 10 L Bath Temperature Up To 180°C Control Type Digital Bath Medium Water Condenser Type Vertical Vacuum Level 100 mbar Rotation Speed 20–280 rpm Lift Type Manual Lift Glass Material Borosilicate Glass LMRE10VC - 10L, LMRE20VC - 20L, LMRE50VC - 50L In-built vacuum control function and curve option available. Touch-screen display, automatic lifting bath. Durable, corrosion-resistant PTFE sealing system Corrosion-resistant Teflon discharge valve.			
73	Cooling centrifuge	Nos	1.00	
	Make:kemi/ remi/equivalent/LABY Max. Speed 15,000rpm (200-15,000rpm) in 100rpm increments Max. RCF 21,380×g, step: 10×g Speed Accuracy ±20 RPM Temperature Range -20°C to -40°C Rotor Capacity 1.5/2mL×24, 0.5mL×36, PCR8×4, 5mL×12, 5mL×18. Run Time 30s-99 min; HOLD (continuous running) Motor DC Brushless Motor Safety Devices Dual door lock; overspeed/temp detection Internal diagnosis system. Acceleration /Braking time [Sec] 25s Acceleration / 25s Breaking Advanced Features Rotation speed/RCF switchover, inching op, Acceleration/deceleration in 9 steps			
74	Microscopes	Nos	10.00	
	Make: SUSWOX Model SKC -440 Bi Achromatic Objectives: 4x, 10x, 40x SL and 100x SL (oil). Eyepieces: WF 10x (Paired). Magnification: 40x to 1000x. Observation Head: - Binocular Observation head with 45° inclination, Rotatable through 360° and can be fixed in any direction. Nosepiece: - Quadruple revolving nosepiece is provided with accurate centering and positive click stop for smooth accurate rotation. Stage: - Stage Size 135x140mm. X-Y movement of 50x70mm with fully graduated vernier scales. Condenser- Bright Field Condenser 1.25 N.A with iris diaphragm and swing out filter holder can be moved through rack and pinion knob.			

	Illumination: - Illumination through LED The microscope is packed in mold Styrofoam box with vinyl cover, duster, cleaning brush, filter, immersion oil, and operating manual			
75	Refrigerators	Nos	3.00	
76	Deep freezer -80	Nos	1.00	
	Make: LABMAN/LABY/KEMI/ASHA/EQUIVALENT Temperature range [°C] -50 ~ -86 Nominal capacity [Liters] 390 Exterior dimensions [mm] W x D x H 909 x 797 x 1990 Interior dimensions [mm] W x D x H 589 x 505 x 1310 Insulation thickness [mm] 126 Exterior finishing White plastic coated galvanised steel Interior finishing Stainless steel Inner door 2 / 4 Shelves 3 Levels 4 Racks 16(240) Refrigerant type Non HCFC Voltage/Frequency [V / Hz] AC220 / 50 Sound pressure [dB] ≤ 53 Cooling time [h] ≤ 8 Minimal temperature [°C] -86 Temperature uniformity [°C] ≤ 6			
77	Biosafety hood	Nos	1.00	
	Make:kemi/ remi/equivalent/LABY • Capacity: 1180 mm (4 ft).Bio Safety Cabinet is Class II type A2.Inner construction of stainless steel 304& Outer of Stainless steel with Epoxy coating. HEPA filter (with 99.9995% efficient at 0.3µm particles) is installed as a main filter which produces class 100 or better clean air environment. HEPA filter (with 99.9995% efficient at 0.3µm particles) is installed as an exhaust • Motorized automatic door. down Flow Velocity should be 60 FPM at 4" from the ULPA Grill .Inflow Flow Velocity should be 100 FPM across the work access opening. • It should be Cleanliness Class ISO Standard 14644 -1 ISO Class 3 • Noise Level should be Less Than 60 Db at 1 Meter from the face of the filter • Stages of filtration should be ULPA Final = 0.12µ with an efficiency of 99.9995% • ULPA Exhaust should be = 0.12µ with an efficiency of 99.9995% (ULPA Filter : AAF) • It should be Front Door One piece full view frame less sliding toughened glass door 6 mm thick. ULPA Filter should be Grill SS 304 grills duly perforated and polished			

	• Motor Blower Assembly should be "Kruger" Centrifugal Fan KDD 9/7 variable speed • should be with LCD screen displaying "Micro processor controlled Real Time Functions" Viz, Down flow velocity, Exhaust flow velocity Continuous Monitoring of ULPA Filter media ,Left Over life of Filter media, Static/ Negative pressure,Timer for UV Lamp • Alarm for Excess should be Height opening and automatic cutoff for UV tube when the door is open .Inter locked should be switches for UV & Lights			
78	Orbital shaker with incubator	Nos	1.00	
	Make:kemi/ remi/equivalent/LABY LCD Controller THZ-300 Temp. range RT+5 - 65°C Temp. control accuracy 0.1 Speed range 40 - 300rpm Frequency accuracy ±1rpm Platform size(mm) 450×450 Inside height (mm) 330 Overall size W×D×H(mm) 590×825×550 Amplitude 20mm Running time 1 - 99h59min			
79	Gradient PCR	Nos	1.00	
	Make:LABMAN/BR-BIOCHEM/EQUIVALENT Sample Capacity 96X0.2mL PCR tube, 8X12 PCR plate or 96 well plate Heating Temperature Range 4-105°C Lid Temperature Range 30-110°C Temperature Display Accuracy ±0.1°C Max. Heating/Cooling Rate 5°C/Sec Gradient Temperature Setting Range 30-99°C Gradient Range 1-42°C Display 7" LCD 800x480 User defined file system Max. 30 segments 99 cycles max. 16 folder and 16 files each folder Input Touchpanel			
80	Western Blotting Unit	Nos	1.00	
	Make:BIOTECH/BIOBEE/EQUIVALENT 450 ml Buffer Capacity 7.5x10 cm Western Blotting System Without Tank, MP-3035			
81	Cooling water bath	Nos	1.00	
	Make:kemi/ remi/equivalent/LABY			
82	Ice maker	Nos	1.00	

	Make:LABMAN/LABY/ASHA/EQUIVALENT Capacity 30kg Brand Labman Model Name/Number LMIF30 Ice Form Flakes Frequency 50Hz CFC CFC Free Compressor Availability In Stock Salient Features · Fully Automatic Microprocessor Control · Stainless Steel Construction · Continuous ICE Flakes output · CFC free compressor · Low water level indication · Overload protection · Noiseless operation · Compact Design and low maintenance Application : Hospitals,Educational Research Institutes & Biotechnology Laborator			
83	Lyophilizer	Nos	1.00	
	Make:LABMAN/LABY/ASHA/EQUIVALENT Usage/Application Industrial Power Consumption 5 kW Production Capacity 150 Kg/Day Brand REVA Voltage 380 V Material Stainless Steel Availability In Stock Owing to our expertise in this field, our firm is engaged in supplying an extensive array of Industrial Lyophilizer. Key Features Custom configured to meet your demands Hot swappable/redundant refrigeration components for uninterrupted use and component management Control systems with superior historical trend functionality and batch records Optional validation assistance, Installation Qualification and Operational Qualification			
84	Elisa Reader	Nos	1.00	

	Make:LABMAN/LABY/ASHA/EQUIVALENT XP Cyclor Sample Capacity/Format 96 wells Volume Thermal Block Sample 0.2 mL Maximum Ramp Rate 4 DegreeC/sec Heating and Cooling Method Peltier Technology Temperature Range 4-99°C Temperature Accuracy 0.4°C Temperature Uniformity 0.3°C Availability In Stock XP Cyclor XP Cyclor is a revolutionary thermal cyclor. Thermal ABS external structure easy programming and simple consulting. Extra large LCD display. XP Cyclor is a revolutionary thermal cyclor. Thermal ABS external structure easy programming and simple consulting. Extra large LCD display. Easy programming software. With the lid on the block a good pressure regulation is achieved in whatever conditions. * Eight different interchangeable sample blocks * With dual blocks which permit execution of two programmes simultaneously and independently. * Five pre-set temperatures * 16 heating programmable levels * 99 programmable memories * With XP-G block it is possible to programme a gradual temperature raise from			
85	BOD Incubator	Nos	1.00	
	Make:kemi/ remi/equivalent/LABY These Cooling Incubators are designed specially for close control of incubation/ storage temperatures. These are used for BOD test, storage of sensitive cultures, vaccines etc; culture of bacteria micro -organism and plant life; serum incubation studies and immunological work etc. There is provided illumination inside the working chamber with the help of CFL. Double wall construction, inner made of Alu/SS and outer M.S duly powder coated with adjustable trays. The instrument is having CFC free refrigeration and heating system with powerful Air circulation for creating positive airflow throughout the working chamber. The unit having a temperature range from 5 0 C to 60 ° C with an accuracy of +/- 0.5 ° C.			
86	Colony counter	Nos	1.00	
	Make:LABTRONICS/ASHA/EQUIVALENT Counter : 4 digit (9999 counts) resettable digital counter with audio beep at every count Probe : Auto Marker Pen probe for marking and counting simultaneously Grid : Wolf Flue gel Grid glass plate			

	Illumination : Uniform glare free illumination by cool fluorescent tube light Dimension : 250 W x 310 D x 130 mm			
87	Fully Automated Rotary Microtome Make:NEEL MEDICO/ASHA/LABY/EQUIVALENT' Fully Automatic Rotary Microtome are Most advanced rotary microtomes, used to produce thin sections of specimensof different hardness in both routine and research applications in biology, medicine and industry. They are designed to section soft materials embedded in paraffin as well as harder specimen, provided those specimen are still suitable for manual sectioning. EXCLUSIVE STANDARDS ROBUST FEATURES : Section settings (section cutting/trimming), thickness of slicing, trimming and also counting of slicing in LCD display. Soft touch programmable keys for ease of settings. Slicing and trimming can be finished by controlling system. Fast rotary & automatic sectioning. Speed of sectioning can be adjusted continuously. Memory to return to the same position. Easy mode to switch arbitrarily between section and trimming. Smooth-running hand wheel which can be locked at any position. Precise guide way and clamping device for knife holder/Disposable blade holder. Two kinds of specimen clamp with ease of changing. Convenient Large section waste tray which can be exchanged arbitrarily. Easy use universal Microtome Knife / Disposable Blade Holder . SECTION SETTINGS & ADJUSTMENTS : Section Thickness Indication : Visual LCD display. Range of section thickness : 0.5 μ to 100 μ (at 1μm increments). Coarse specimen advance : 1 - 600 μm (adjustable). Horizontal specimen feed : 28 mm (motorized & selectable speed). Vertical specimen feed : 64 mm(motorized). Convenient specimen Holder : Max 50 x 60 x 30 mm. SMOOTH & SILENT MOVEMENTS : Smooth fatigue free handwheel : Counter balanced hand wheel	Nos	1.00	

	with safety lock for fine advance. Reduces hand stress via smooth-running hand wheel. Coarse Advance : Motorized advance / return of specimen. Touch key operated coarse advance micron settings with LCD display. Coarse feed motorized . Specimen retraction. Power Supply : 220-230 V, 50 HZ, AC. KNIFE HOLDER BASE & ADJUSTMENTS : Knife Holder Base Features Conveniently suited for : Microtome knives of 100-300 mm Or Standard Disposable blade Holder. High profile blade holder. Low profile blade holder. SPECIMEN HOLDER : Conveniently Universal fast release cassette clamp suitable for jet cassettes. Clamp for ring cassettes.			
88	Homogenizers	Nos	1.00	
	Make:kemi/ remi/equivalent/LABY 35L, Variable Speed Stirrer with Frequency Inverter			
89	Microscope Trinocular with computer	Nos	1.00	
	Make: SUSWOX Model SYRA - T • Body Aluminum die-casting metal frame, Protective covering • Optical System Infinity optical system • Illumination System Built-in transmitted illumination system, LED Power Consumption 0.5 W (nominal values) • Focusing Stage height movement (coarse movement stroke: 15 mm), coarse adjustment limit stopper, • Torque adjustment for coarse adjustment knob, Fine focus knob (minimum adjustment gradations: 2.5 µm) • Revolving Nosepiece Fixed quadruple nosepiece • Stage Wire movement mechanical fixed stage • Traveling range: 76 mm (X) x 30 mm (Y), Specimen holder, Specimen position scale • Observation Tube 30° inclined binocular tube • Interpupillary distance adjustment range: 48 – 75 mm, Eye point adjustment: 370.0 – 432.9 mm • Objectives Plan achromat, anti-fungus • 4x NA: 0.10 W.D.: 27.8 mm • 10x NA: 0.25 W.D.: 8.0 mm • 40x NA: 0.65 W.D.: 0.6 mm • 100xOil NA: 1.25 W.D.: 0.13 mm • Eyepiece (10x) Field Number (FN): 20 (anti-fungus) • AT Series Tablet with 11 inches, HD Camera , inbuilt software • Dark field stop • Weight Approx. 5.9 kg • Rated Voltage/Electric Current AC 100–240 V 50/60 Hz 0.4A			
90	RT PCR Machine	Nos	1.00	

Make: **BR-**

BIOCHEM/LABLINE/LABTRONICS/ASHA/EQUIVALENT

Ø The machine should be an automated system for both Real Time PCR and post PCR analysis. The Real Time PCR system should be able to use chemistries including SYBR Green, Eva green, Fluorescent labelled Hydrolysis Probe etc.

Ø Experiment type- Quantitative PCR with dye or labelled probe, Comparative quantitation, Allele discrimination with dye or labelled probe. The system should be capable to perform dye binding thermal shift assays for protein unfolding analysis.

Ø Gene expression analysis by relative quantity (ΔC_t) or normalized expression ($\Delta\Delta C_t$).

Ø The system should be a high throughput system with built in touch screen for better visualization & color blind compatible data accessibility. The system should be equipped with a 96-well block to accommodate 96 well plates, 0.2 ml tubes/strip tubes.

Ø System can run real-time PCR experiments without being attached to a computer. When operated as a stand-alone instrument, the instrument will save at least 1000 run files.

Ø System includes an automated lid that opens, closes, and can apply sealing force to reaction wells. System does not have lid or drawer that extends beyond the footprint of the system nor requires additional operating clearance.

Ø System should be dynamic true Gradient enabled with capacity to test eight or more temperatures at once to quickly determine the optimal annealing temperature. Thermal gradient enables optimization of multiple temperatures in a single assay. Temperature differences of up to 24°C front-to-back can be created.

Ø Instrument should have reaction volume range- 1–50 μ l.

Ø Excitation source should be filtered LED & detection with filtered Photodiode.

Ø Optical detection- Minimum six excitation and six emission channels. Each filter should correspond to one dye that ensures smooth differentiation of dyes having high degree of spectral overlap. Must include major filters Cy5, FAM/SYBR Green, HEX/Vic, ROX etc.

Ø System should be able to collect data via shuttle optics design for all filters for all wells based on plate setup. System should be able to scan complete 96 wells with all channels within 12 seconds. For an experiment run with “SYBR/FAM” scan mode only, the system should run fast, all 96 wells within 3 seconds.

Ø Should have multi-function LED indicator for instrument status monitoring.

Ø Optics shuttle excites fluorescent dyes with absorption spectra in the 450–684 nm range; optimally detects dyes with emission spectra in the 510–730 nm range.

Ø One channel should be kept dedicated for FRET and Protein Thermal Shift (Protein Melt) experiments — illuminate dyes with absorption spectra in the 450–490 nm range and detect dyes with emission spectra in the 560–580 nm range.

Ø Detection sensitivity- 1 copy of target sequence.

Ø Sensitivity- Detects minimum 1.3 fold differences in target

quantities in single B plex reactions. Should detect ≤ 10 fmol of fluorescein. Dynamic range- 10 orders of magnitude.

Ø The system should offer Peltier based thermal cycling with uniform temperature control for fast PCR. A typical program of 40 cycles shouldn't take more than 45 minutes.

Ø Temperature range, 4°C -100°C with accuracy of ± 0.2 °C and uniformity of ± 0.3 °C. The system should have maximum ramp rate for of 5.0°C/sec.

Ø The system should offer multiple customizable data analysis algorithms.

Ø Multiplex amplification and melt curve and end-point analyses can be performed on up to five fluorophores in a single reaction well.

Ø Software should support the applications like absolute quantitation, RQ, multiplex PCR, melting curve analysis and should be able to determine if a specific target sequence is present or not present in a sample. System can directly connect to a network file storage location through Wi-Fi or ethernet with user credentials and can read and write, given system access rights. Software performs t-tests and 1-way ANOVA calculations.

Ø System should connect to cloud platform for remote monitoring, experiment set up, and Cq analysis.

Ø System should continue to run and complete a run if the software is stopped or interrupted. This prevents run data from being list in case if there is unintentional interruption of the software. This function is especially valuable for precious or limited samples, whereby all data is not lost for a run that was interrupted.

Ø Custom data view allows a user to define the specific information to be displayed in a single view, allowing a user to mouse over a well and see that specific result data. Image annotation function allows for automatic p-value annotation and addition of arrows, circles, and text directly onto graph images. Image export options include DPI selection up too 600DPI, choice of any image size, and color selection using RGB specifications

Ø The system must offer pre programmed assays for easy selection of calibrators (machine should not require regular calibration), normalizers and sample associations. Cost of calibration must be included in the cost of quoted system within the warranty period.

Ø The system must offer 5 color or more Multiplexing capability. No internal reference dye should be required.

Ø The system should be factory calibrated with no requirement of any further calibration. System should be IEC & CE certified.

Ø A suitably branded and ready to use Computer for operation must have: i5 processor, 4GB RAM, 1 TB HDD desktop should

be supplied with the system.

Ø 2 KVA online UPS with 60 minutes back up should be provided along with system.

Ø Should provide service within 24-48 hours when needed. (Service centre preferably be in Delhi/NCR).

2.LAB FURNITURE

91	CHEMISTRY LABORATORY 1 (Furniture Lab setup)	Nos	1.00	
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Make: Godrej**Technical specification**

Providing D-Frames manufactured from standard hollow metal sections; confirming to I.S. Code 7138:1973 (Indian Standard specification for steel tubes for furniture) and all sheet metal components should be of CRCA confirming to IS Code 513:1994. The suspended under-bench welded units should be supported on heavy-duty steel frames fully carrying the load of worktops. Its superior strength combined with aesthetically appealing end caps shall give maximum flexibility and modularity while making a layout. Horizontal Members are made from square pipes of 1.6 mm thickness. Cross-sectional dimensions of the pipe should be 30 x 30mm with a minimum of 1.6 mm. They should be made of CRCA MS and coated with pure epoxy powder. These connect two D-Frames together as shown using C-clamps/U-clamps. Together with the D-Frames and Horizontal Members connected together, the skeletal structure of the work-bench is formed on which the worktop can be placed and the hanging-type storage cabinets can be suspended. Horizontal Members determine the width of the lab workbench as they form the member (distance) between two adjacent D-Frames. They should be available in various widths of 450, 600, 1050, 1200, and 1500

Providing Under bench cabinets which are Pure epoxy powder coated with thickness of 40-60 microns and will be suspended from tubular structure. The cabinet will have a corrosion resistance magnetic strip as shutter catch, shutter and drawer are to be equipped with 180 degree cam lock. PP constructed semi recessed handle to be screw fitted to the shutters. Hinges are of SS-304 knuckle overlay type with 270 degree opening and 2 nos of hinges are to be screw fitted to each shutter and cabinet.

Unit Construction : It will be Welded body construction with load bearing members such as top, bottom and stiffeners should have a minimum thickness of 0.8 mm and drawer separator should be of 1.2mm thick.

Shelf : Will be made of 0.8mm thickness which should be adjustable to 6 steps of 50mm.

Shutter will be over-closing type. It has a sandwich door construction with shutter front & shutter cover with 1.2mm thick hinge stiffener. Empty gap should with filled with 15mm thick paper honeycomb for sound dampening.

Drawer: Will be welded single piece construction with over-closing sandwich drawer front filled with 15mm thick paper honeycomb for sound dampening.

Units will be in 450mm and 600mm widths.

UNDERBENCH CABINET 600W-450D-674H 2S 1D

Providing Fixed Reagent Shelves: It will be complete modular design consisting of 2 stage horizontal storage shelves. 270mm gap to be maintained between two shelves. Reagent shelf post will have a cross section of 115mm x 30mm hollow structure of 1.2mm thick. Welded frames to be screw fitted between two posts and to be made of 1.2 mm thick. And, metal shelves of 0.8mm thick CRCA MS with pure epoxy powder coating sheets to kept in between the frames

REAGENT SHELF ISLAND ADDON 1500W

REAGENT SHELF ISLAND MAIN 1500W

All leg-space panels, rear cover panels, island side panels etc. should be made from CRCA MS panels of minimum 0.8mm thickness with pure epoxy powder coating

LEG SPACE PANEL SET 900W-900H

All leg-space panels, rear cover panels, island side panels etc. should be made from CRCA MS panels of minimum 0.8mm thickness with pure epoxy powder coating

ISLAND SIDE PANEL SET 1500W-900H

Bracket for island table

Providing and supply of Granite Work Top : It shall be 19mm (+/- 2mm) thick Jet Black Granite worktop. The exposed edges of the worktop shall be chamfered and smoothened. The bottom of the worktop shall be polished and there shall be a V-groove throughout the length of the exposed edges to protect the cabinets from coming in contact with the spillages. The overhang on the storage cabinet is 25 mm at the front side and 30 mm at the sides. The backing material used is a neoprene mat of 6 mm thickness.

ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, SEFA Membership, ASHRAE 110, SEFA 10 certification for D frame structure

	Product Details QTY UOM TABLE MAIN 1200W-900D-900H 4 Nos. TABLE ADDON 600W-900D-900H 4 Nos. TABLE ADDON 600W-750D-900H 1 Nos. TABLE ADDON 1500W-750D-900H 2 Nos. TABLE ADDON 1200W-900D-900H 4 Nos. TABLE ADDON 1200W-750D-900H 10 Nos. TABLE ADDON 1050W-750D-900H 2 Nos. UNDERBENCH CABINET 600W-450D-674H 2S 1D 23 Nos. UNDERBENCH CABINET 450W-450D-674H 1S 1D RH 4 Nos. UNDERBENCH CABINET 450W-450D-674H 1S 1D LH 2 Nos. REAGENT SHELF ISLAND MAIN 1500W 2 Nos. REAGENT SHELF ISLAND ADDON 1500W 2 Nos. LEG SPACE PANEL SET 600W-900H 22 Nos. REAR SIDE PANEL SET 900D-900H 8 Nos. REAR SIDE PANEL SET 750D-900H 4 Nos. CORNER TABLE PIPE FRAME 750D-900H 2 Nos. CORNER TABLE DOOR FRAME 900H 2 Nos. Table Mounted Trunking 15 Nos. SIDE PANEL FOR SINK UNIT 2 Nos. Pp Drop-In Sink S 06 560 Mm (W) X 355 Mm (D) 2 Nos. 3 Way Water Faucet Bench Mounted, 8"" Swing Gooseneck No. 100/32 2 Nos. Bracket for island table 8 Nos. Jet Black Granite (Sq.Mt.) 20 (±2) Mm Thk 28.5 Sq.Mtrs. Silicon Sealant - Black 3 Nos. Masking Tape 3 R.Mtrs. 6 MM Self Adhesive Natural Rubber Strip 120 R.Mtrs. Flexible/F Serated Connector : Hp 01 Make: Premier 2 Nos. Anti-Siphon Bottle Trap : S 04 Make: Premier 2 Nos. 16A, 1 Way Switch - No: M0130 54 Nos. 6/16A, 6 Pin Shutter Socket - No: M1332 54 Nos. 3 Module Plate - No: Cs933M 24 Nos.			
92	CHEMISTRY LABORATORY 2 (Furniture Lab setup)	Nos	1.00	

Make: Godrej

Technical specification

Providing D-Frames manufactured from standard hollow metal sections; confirming to I.S. Code 7138:1973 (Indian Standard specification for steel tubes for furniture) and all sheet metal components should be of CRCA confirming to IS Code 513:1994. The suspended under-bench welded units should be supported on heavy-duty steel frames fully carrying the load of worktops. Its superior strength combined with aesthetically appealing end caps shall give maximum flexibility and modularity while making a layout. Horizontal Members are made from square pipes of 1.6 mm thickness. Cross-sectional dimensions of the pipe should be 30 x 30mm with a minimum of 1.6 mm. They should be made of CRCA MS and coated with pure epoxy powder. These connect two D-Frames together as shown using C-clamps/U-clamps. Together with the D-Frames and Horizontal Members connected together, the skeletal structure of the work-bench is formed on which the worktop can be placed and the hanging-type storage cabinets can be suspended. Horizontal Members determine the width of the lab workbench as they form the member (distance) between two adjacent D-Frames. They should be available in various widths of 450, 600, 1050, 1200, and 1500

Providing Under bench cabinets which are Pure epoxy powder coated with thickness of 40-60 microns and will be suspended from tubular structure. The cabinet will have a corrosion resistance magnetic strip as shutter catch, shutter and drawer are to be equipped with 180 degree cam lock. PP constructed semi recessed handle to be screw fitted to the shutters. Hinges are of SS-304 knuckle overlay type with 270 degree opening and 2 nos of hinges are to be screw fitted to each shutter and cabinet.

Unit Construction : It will be Welded body construction with load bearing members such as top, bottom and stiffeners should have a minimum thickness of 0.8 mm and drawer separator should be of 1.2mm thick.

Shelf : Will be made of 0.8mm thickness which should be adjustable to 6 steps of 50mm.

Shutter will be over-closing type. It has a sandwich door construction with shutter front & shutter cover with 1.2mm thick hinge stiffener. Empty gap should with filled with 15mm thick paper honeycomb for sound dampening.

Drawer: Will be welded single piece construction with over-closing sandwich drawer front filled with 15mm thick paper honeycomb for sound dampening.

Units will be in 450mm and 600mm widths.

UNDERBENCH CABINET 600W-450D-674H 2S 1D

Providing Fixed Reagent Shelves: It will be complete modular design consisting of 2 stage horizontal storage shelves. 270mm gap to be maintained between two shelves. Reagent shelf post will have a cross section of 115mm x 30mm hollow structure of 1.2mm thick. Welded frames to be screw fitted between two posts and to be made of 1.2 mm thick. And, metal shelves of 0.8mm thick CRCA MS with pure epoxy powder coating sheets to kept in between the frames

REAGENT SHELF ISLAND ADDON 1500W

REAGENT SHELF ISLAND MAIN 1500W

All leg-space panels, rear cover panels, island side panels etc. should be made from CRCA MS panels of minimum 0.8mm thickness with pure epoxy powder coating

LEG SPACE PANEL SET 900W-900H

All leg-space panels, rear cover panels, island side panels etc. should be made from CRCA MS panels of minimum 0.8mm thickness with pure epoxy powder coating

ISLAND SIDE PANEL SET 1500W-900H

Bracket for island table

Providing and supply of Granite Work Top : It shall be 19mm (+/- 2mm) thick Jet Black Granite worktop. The exposed edges of the worktop shall be chamfered and smoothened. The bottom of the worktop shall be polished and there shall be a V-groove throughout the length of the exposed edges to protect the cabinets from coming in contact with the spillages. The overhang on the storage cabinet is 25 mm at the front side and 30 mm at the sides. The backing material used is a neoprene mat of 6 mm thickness.

ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, SEFA Membership, ASHRAE 110, SEFA 10 certification for D frame structure

	TABLE MAIN 1200W-900D-900H 4 Nos. TABLE ADDON 600W-900D-900H 4 Nos. TABLE ADDON 600W-750D-900H 1 Nos. TABLE ADDON 1500W-750D-900H 2 Nos. TABLE ADDON 1200W-900D-900H 4 Nos. TABLE ADDON 1200W-750D-900H 10 Nos. TABLE ADDON 1050W-750D-900H 2 Nos. UNDERBENCH CABINET 600W-450D-674H 2S 1D 23 Nos. UNDERBENCH CABINET 450W-450D-674H 1S 1D RH 4 Nos. UNDERBENCH CABINET 450W-450D-674H 1S 1D LH 2 Nos. REAGENT SHELF ISLAND MAIN 1500W 2 Nos. REAGENT SHELF ISLAND ADDON 1500W 2 Nos. LEG SPACE PANEL SET 600W-900H 22 Nos. REAR SIDE PANEL SET 900D-900H 8 Nos. REAR SIDE PANEL SET 750D-900H 4 Nos. CORNER TABLE PIPE FRAME 750D-900H 2 Nos. CORNER TABLE DOOR FRAME 900H 2 Nos. Table Mounted Trunking 15 Nos. SIDE PANEL FOR SINK UNIT 2 Nos. Pp Drop-In Sink S 06 560 Mm (W) X 355 Mm (D) 2 Nos. 3 Way Water Faucet Bench Mounted, 8" Swing Gooseneck No. 100/32 2 Nos. Bracket for island table 8 Nos. Jet Black Granite (Sq.Mt.) 20 (±2) Mm Thk 28.5 Sq.Mtrs. Silicon Sealant - Black 3 Nos. Masking Tape 3 R.Mtrs. 6 MM Self Adhesive Natural Rubber Strip 120 R.Mtrs. Flexible/F Serated Connector : Hp 01 Make: Premier 2 Nos. Anti-Siphon Bottle Trap : S 04 Make: Premier 2 Nos. 16A, 1 Way Switch - No: M0130 54 Nos. 6/16A, 6 Pin Shutter Socket - No: M1332 54 Nos. 3 Module Plate - No: Cs933M 24 Nos.			
93	PHYSICS LABORATORY 3 (Furniture Lab setup)	Nos	1.00	

Make: Godrej

Technical specification

Providing D-Frames manufactured from standard hollow metal sections; confirming to I.S. Code 7138:1973

(Indian Standard specification for steel tubes for furniture) and all sheet metal components should be of CRCA confirming to IS Code 513:1994. The suspended under-bench welded units should be supported on heavy-duty steel frames fully carrying the load of worktops. Its superior strength combined with aesthetically appealing end caps shall give maximum flexibility and modularity while making a layout. Horizontal Members are made from square pipes of 1.6 mm thickness. Cross-sectional dimensions of the pipe should be 30 x 30mm with a minimum of 1.6 mm. They should be made of CRCA MS and coated with pure epoxy powder. These connect two D-Frames together as shown using C-clamps/U-clamps. Together with the D-Frames and Horizontal Members connected together, the skeletal structure of the work-bench is formed on which the worktop can be placed and the hanging-type storage cabinets can be suspended. Horizontal Members determine the width of the lab workbench as they form the member (distance) between two adjacent D-Frames. They should be available in various widths of 450, 600, 1050, 1200, and 1500

Providing Under bench cabinets which are Pure epoxy powder coated with thickness of 40-60 microns and will be suspended from tubular structure. The cabinet will have a corrosion resistance magnetic strip as shutter catch, shutter and drawer are to be equipped with 180 degree cam lock. PP constructed semi recessed handle to be screw fitted to the shutters. Hinges are of SS-304 knuckle overlay type with 270 degree opening and 2 nos of hinges are to be screw fitted to each shutter and cabinet.

Unit Construction : It will be Welded body construction with load bearing members such as top, bottom and stiffeners should have a minimum thickness of 0.8 mm and drawer separator should be of 1.2mm thick.

Shelf : Will be made of 0.8mm thickness which should be adjustable to 6 steps of 50mm.

Shutter will be over-closing type. It has a sandwich door construction with shutter front & shutter cover with 1.2mm thick hinge stiffener. Empty gap should with filled with 15mm thick paper honeycomb for sound dampening.

Drawer: Will be welded single piece construction with over-closing sandwich drawer front filled with 15mm thick paper honeycomb for sound dampening.

Units will be in 450mm and 600mm widths.

UNDERBENCH CABINET 600W-450D-674H 2S 1D

Providing Fixed Reagent Shelves: It will be complete

modular design consisting of 2 stage horizontal storage shelves. 270mm gap to be maintained between two shelves. Reagent shelf post will have a cross section of 115mm x 30mm hollow structure of 1.2mm thick. Welded frames to be screw fitted between two posts and to be made of 1.2 mm thick. And, metal shelves of 0.8mm thick CRCA MS with pure epoxy powder coating sheets to kept in between the frames

REAGENT SHELF ISLAND ADDON 1500W
REAGENT SHELF ISLAND MAIN 1500W

All leg-space panels, rear cover panels, island side panels etc. should be made from CRCA MS panels of minimum 0.8mm thickness with pure epoxy powder coating

LEG SPACE PANEL SET 900W-900H

All leg-space panels, rear cover panels, island side panels etc. should be made from CRCA MS panels of minimum 0.8mm thickness with pure epoxy powder coating

ISLAND SIDE PANEL SET 1500W-900H

Bracket for island table

Providing and supply of Granite Work Top : It shall be 19mm (+/- 2mm) thick Jet Black Granite worktop. The exposed edges of the worktop shall be chamfered and smoothened. The bottom of the worktop shall be polished and there shall be a V-groove throughout the length of the exposed edges to protect the cabinets from coming in contact with the spillages. The overhang on the storage cabinet is 25 mm at the front side and 30 mm at the sides. The backing material used is a neoprene mat of 6 mm thickness.

ISO 9001:2015, ISO 14001:2015, ISO 45001:2018,
SEFA Membership, ASHRAE 110, SEFA 10 certification
for D frame structure

	TABLE MAIN 1200W-900D-900H 2 Nos. TABLE ADDON 600W-900D-900H 2 Nos. TABLE ADDON 600W-750D-900H 2 Nos. TABLE ADDON 1200W-900D-900H 2 Nos. TABLE ADDON 1200W-750D-900H 7 Nos. UNDERBENCH CABINET 600W-450D-674H 2S 1D 15 Nos. UNDERBENCH CABINET 450W-450D-674H 1S 1D LH 2 Nos. REAGENT SHELF ISLAND MAIN 1500W 1 Nos. REAGENT SHELF ISLAND ADDON 1500W 1 Nos. REAGENT SHELF WALL MAIN 1200W 1 Nos. REAGENT SHELF WALL ADDON 600W 1 Nos. REAGENT SHELF WALL ADDON 1200W 2 Nos. LEG SPACE PANEL SET 600W-900H 11 Nos. REAR SIDE PANEL SET 900D-900H 4 Nos. REAR SIDE PANEL SET 750D-900H 4 Nos. CORNER TABLE PIPE FRAME 750D-900H 2 Nos. CORNER TABLE CABINET FILLER PANEL FOR CABINET 900H 4 Nos. Table Mounted Trunking 5 Nos. SIDE PANEL FOR SINK UNIT 3 Nos. INLINE SINK UNIT 750W x 750D x 900H 1 Nos. Pp Drop-In Sink S 06 560 Mm (W) X 355 Mm (D) 1 Nos. 3 Way Water Faucet Bench Mounted, 8" Swing Gooseneck No. 100/32 1 Nos. Bracket for island table 4 Nos. Jet Black Granite (Sq.Mt.) 20 (±2) Mm Thk 17 Sq.Mtrs. Silicon Sealant - Black 2 Nos. Masking Tape 2 R.Mtrs. 6 MM Self Adhesive Natural Rubber Strip 70 R.Mtrs. Flexible/F Serated Connector : Hp 01 Make: Premier 1 Nos. Anti-Siphon Bottle Trap : S 04 Make: Premier 1 Nos. 16A, 1 Way Switch - No: M0130 30 Nos. 6/16A, 6 Pin Shutter Socket - No: M1332 30 Nos. 3 Module Plate - No: Cs933M 20 Nos.			
94	PHYSICS LABORATORY 4 (Furniture Lab setup)	Nos	1.00	

Make: Godrej

Technical specification

Providing D-Frames manufactured from standard hollow metal sections; confirming to I.S. Code 7138:1973

(Indian Standard specification for steel tubes for furniture) and all sheet metal components should be of CRCA confirming to IS Code 513:1994. The suspended under-bench welded units should be supported on heavy-duty steel frames fully carrying the load of worktops. Its superior strength combined with aesthetically appealing end caps shall give maximum flexibility and modularity while making a layout. Horizontal Members are made from square pipes of 1.6 mm thickness. Cross-sectional dimensions of the pipe should be 30 x 30mm with a minimum of 1.6 mm. They should be made of CRCA MS and coated with pure epoxy powder. These connect two D-Frames together as shown using C-clamps/U-clamps. Together with the D-Frames and Horizontal Members connected together, the skeletal structure of the work-bench is formed on which the worktop can be placed and the hanging-type storage cabinets can be suspended. Horizontal Members determine the width of the lab workbench as they form the member (distance) between two adjacent D-Frames. They should be available in various widths of 450, 600, 1050, 1200, and 1500

Providing Under bench cabinets which are Pure epoxy powder coated with thickness of 40-60 microns and will be suspended from tubular structure. The cabinet will have a corrosion resistance magnetic strip as shutter catch, shutter and drawer are to be equipped with 180 degree cam lock. PP constructed semi recessed handle to be screw fitted to the shutters. Hinges are of SS-304 knuckle overlay type with 270 degree opening and 2 nos of hinges are to be screw fitted to each shutter and cabinet.

Unit Construction : It will be Welded body construction with load bearing members such as top, bottom and stiffeners should have a minimum thickness of 0.8 mm and drawer separator should be of 1.2mm thick.

Shelf : Will be made of 0.8mm thickness which should be adjustable to 6 steps of 50mm.

Shutter will be over-closing type. It has a sandwich door construction with shutter front & shutter cover with 1.2mm thick hinge stiffener. Empty gap should with filled with 15mm thick paper honeycomb for sound dampening.

Drawer: Will be welded single piece construction with over-closing sandwich drawer front filled with 15mm thick paper honeycomb for sound dampening.

Units will be in 450mm and 600mm widths.

UNDERBENCH CABINET 600W-450D-674H 2S 1D

Providing Fixed Reagent Shelves: It will be complete modular design consisting of 2 stage horizontal storage shelves. 270mm gap to be maintained between two shelves. Reagent shelf post will have a cross section of 115mm x 30mm hollow structure of 1.2mm thick. Welded frames to be screw fitted between two posts and to be made of 1.2 mm thick. And, metal shelves of 0.8mm thick CRCA MS with pure epoxy powder coating sheets to kept in between the frames

REAGENT SHELF ISLAND ADDON 1500W
REAGENT SHELF ISLAND MAIN 1500W

All leg-space panels, rear cover panels, island side panels etc. should be made from CRCA MS panels of minimum 0.8mm thickness with pure epoxy powder coating

LEG SPACE PANEL SET 900W-900H

All leg-space panels, rear cover panels, island side panels etc. should be made from CRCA MS panels of minimum 0.8mm thickness with pure epoxy powder coating

ISLAND SIDE PANEL SET 1500W-900H

Bracket for island table

Providing and supply of Granite Work Top : It shall be 19mm (+/- 2mm) thick Jet Black Granite worktop. The exposed edges of the worktop shall be chamfered and smoothened. The bottom of the worktop shall be polished and there shall be a V-groove throughout the length of the exposed edges to protect the cabinets from coming in contact with the spillages. The overhang on the storage cabinet is 25 mm at the front side and 30 mm at the sides. The backing material used is a neoprene mat of 6 mm thickness.

ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, SEFA Membership, ASHRAE 110, SEFA 10 certification for D frame structure

TABLE MAIN 1200W-900D-900H 2 TABLE ADDON 600W-900D-900H 2 TABLE ADDON 600W-750D-900H 2 TABLE ADDON 1200W-900D-900H 2 TABLE ADDON 1200W-750D-900H 7 UNDERBENCH CABINET 600W-450D-674H 2S 1D 15 UNDERBENCH CABINET 450W-450D-674H 1S 1D LH 2 REAGENT SHELF ISLAND MAIN 1500W 1 REAGENT SHELF ISLAND ADDON 1500W 1 REAGENT SHELF WALL MAIN 1200W 1 REAGENT SHELF WALL ADDON 600W 1 REAGENT SHELF WALL ADDON 1200W 2 LEG SPACE PANEL SET 600W-900H 11 REAR SIDE PANEL SET 900D-900H 4 REAR SIDE PANEL SET 750D-900H 4 CORNER TABLE PIPE FRAME 750D-900H 2 CORNER TABLE CABINET FILLER PANEL FOR CABINET 900H 4 Table Mounted Trunking 5 SIDE PANEL FOR SINK UNIT 3 INLINE SINK UNIT 750W x 750D x 900H 1 Pp Drop-In Sink S 06 560 Mm (W) X 355 Mm (D) 1 3 Way Water Faucet Bench Mounted, 8" Swing Gooseneck No. 100/32 1 Bracket for island table 4 Jet Black Granite (Sq.Mt.) 20 (±2) Mm Thk 17 Silicon Sealant - Black 2 Masking Tape 2 6 MM Self Adhesive Natural Rubber Strip 70 Flexible/F Serated Connector : Hp 01 Make: Premier 1 Anti-Siphon Bottle Trap : S 04 Make: Premier 1 16A, 1 Way Switch - No: M0130 30 6/16A, 6 Pin Shutter Socket - No: M1332 30 3 Module Plate - No: Cs933M 20			
95	PHYSICS LABORATORY 5 (Furniture Lab setup)	Nos	1.00

Make: Godrej

Technical specification

Providing D-Frames manufactured from standard hollow metal sections; confirming to I.S. Code 7138:1973

(Indian Standard specification for steel tubes for furniture) and all sheet metal components should be of CRCA confirming to IS Code 513:1994. The suspended under-bench welded units should be supported on heavy-duty steel frames fully carrying the load of worktops. Its superior strength combined with aesthetically appealing end caps shall give maximum flexibility and modularity while making a layout. Horizontal Members are made from square pipes of 1.6 mm thickness. Cross-sectional dimensions of the pipe should be 30 x 30mm with a minimum of 1.6 mm. They should be made of CRCA MS and coated with pure epoxy powder. These connect two D-Frames together as shown using C-clamps/U-clamps. Together with the D-Frames and Horizontal Members connected together, the skeletal structure of the work-bench is formed on which the worktop can be placed and the hanging-type storage cabinets can be suspended. Horizontal Members determine the width of the lab workbench as they form the member (distance) between two adjacent D-Frames. They should be available in various widths of 450, 600, 1050, 1200, and 1500

Providing Under bench cabinets which are Pure epoxy powder coated with thickness of 40-60 microns and will be suspended from tubular structure. The cabinet will have a corrosion resistance magnetic strip as shutter catch, shutter and drawer are to be equipped with 180 degree cam lock. PP constructed semi recessed handle to be screw fitted to the shutters. Hinges are of SS-304 knuckle overlay type with 270 degree opening and 2 nos of hinges are to be screw fitted to each shutter and cabinet.

Unit Construction : It will be Welded body construction with load bearing members such as top, bottom and stiffeners should have a minimum thickness of 0.8 mm and drawer separator should be of 1.2mm thick.

Shelf : Will be made of 0.8mm thickness which should be adjustable to 6 steps of 50mm.

Shutter will be over-closing type. It has a sandwich door construction with shutter front & shutter cover with 1.2mm thick hinge stiffener. Empty gap should with filled with 15mm thick paper honeycomb for sound dampening.

Drawer: Will be welded single piece construction with over-closing sandwich drawer front filled with 15mm thick paper honeycomb for sound dampening.

Units will be in 450mm and 600mm widths.

UNDERBENCH CABINET 600W-450D-674H 2S 1D

Providing Fixed Reagent Shelves: It will be complete modular design consisting of 2 stage horizontal storage shelves. 270mm gap to be maintained between two shelves. Reagent shelf post will have a cross section of 115mm x 30mm hollow structure of 1.2mm thick. Welded frames to be screw fitted between two posts and to be made of 1.2 mm thick. And, metal shelves of 0.8mm thick CRCA MS with pure epoxy powder coating sheets to kept in between the frames

REAGENT SHELF ISLAND ADDON 1500W
REAGENT SHELF ISLAND MAIN 1500W

All leg-space panels, rear cover panels, island side panels etc. should be made from CRCA MS panels of minimum 0.8mm thickness with pure epoxy powder coating

LEG SPACE PANEL SET 900W-900H

All leg-space panels, rear cover panels, island side panels etc. should be made from CRCA MS panels of minimum 0.8mm thickness with pure epoxy powder coating

ISLAND SIDE PANEL SET 1500W-900H

Bracket for island table

Providing and supply of Granite Work Top : It shall be 19mm (+/- 2mm) thick Jet Black Granite worktop. The exposed edges of the worktop shall be chamfered and smoothened. The bottom of the worktop shall be polished and there shall be a V-groove throughout the length of the exposed edges to protect the cabinets from coming in contact with the spillages. The overhang on the storage cabinet is 25 mm at the front side and 30 mm at the sides. The backing material used is a neoprene mat of 6 mm thickness.

ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, SEFA Membership, ASHRAE 110, SEFA 10 certification for D frame structure

	TABLE MAIN 1200W-900D-900H 2 Nos. TABLE ADDON 600W-900D-900H 2 Nos. TABLE ADDON 600W-750D-900H 2 Nos. TABLE ADDON 1200W-900D-900H 2 Nos. TABLE ADDON 1200W-750D-900H 7 Nos. UNDERBENCH CABINET 600W-450D-674H 2S 1D 15 Nos. UNDERBENCH CABINET 450W-450D-674H 1S 1D LH 2 Nos. REAGENT SHELF ISLAND MAIN 1500W 1 Nos. REAGENT SHELF ISLAND ADDON 1500W 1 Nos. REAGENT SHELF WALL MAIN 1200W 1 Nos. REAGENT SHELF WALL ADDON 600W 1 Nos. REAGENT SHELF WALL ADDON 1200W 2 Nos. LEG SPACE PANEL SET 600W-900H 11 Nos. REAR SIDE PANEL SET 900D-900H 4 Nos. REAR SIDE PANEL SET 750D-900H 4 Nos. CORNER TABLE PIPE FRAME 750D-900H 2 Nos. CORNER TABLE CABINET FILLER PANEL FOR CABINET 900H 4 Nos. Table Mounted Trunking 5 Nos. SIDE PANEL FOR SINK UNIT 3 Nos. INLINE SINK UNIT 750W x 750D x 900H 1 Nos. Pp Drop-In Sink S 06 560 Mm (W) X 355 Mm (D) 1 Nos. 3 Way Water Faucet Bench Mounted, 8" Swing Gooseneck No. 100/32 1 Nos. Bracket for island table 4 Nos. Jet Black Granite (Sq.Mt.) 20 (±2) Mm Thk 17 Sq.Mtrs. Silicon Sealant - Black 2 Nos. Masking Tape 2 R.Mtrs. 6 MM Self Adhesive Natural Rubber Strip 70 R.Mtrs. Flexible/F Serated Connector : Hp 01 Make: Premier 1 Nos. Anti-Siphon Bottle Trap : S 04 Make: Premier 1 Nos. 16A, 1 Way Switch - No: M0130 30 Nos. 6/16A, 6 Pin Shutter Socket - No: M1332 30 Nos. 3 Module Plate - No: Cs933M 20 Nos.			
96	Site Preparation and installation related accessories including Electrical, Cabling, etc., Transportation, Loading and Unloading, Insurance included- 3years warranty for all the BOQ items	Lot	1.00	

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