

REQUEST FOR PROPOSAL

Selection of System Integrator(SI) for the Supply Installation Testing, Commissioning (SITC) For Digitalization of Recording rooms, Presenter Room & Lecturer Hall at Vijayanagara Sri Krishnadevaraya University (VSKU), Bellary.

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

Dated: 30 July 2026

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

 BECIL बेसिल	Broadcast Engineering Consultants India Limited (A Government of India Enterprise) CIN No.: U32301UP1995GOI017744 Head Office: 14-B Ring Road, IP Estate, New Delhi- 110002 Tel: 011 23378823, Fax: 01123379885 Corporate Office: BECIL Bhawan, C-56/ A-17, Sector-62, Noida-201307 Tel: 0120 4177850, Fax: 0120 4177879 Regional office: 162, II Main, I Cross, AGS Layout, RMV II Stage, Bengaluru – 560094 (080-2341 5853) Website: www.becil.com	
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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.

INDEX

S. No	Description	Page no.
1.	Disclaimer	2
2.	Index	3
3.	About BECIL	6
4.	Invitation of Bids	7
Part I	General Information, Eligibility & Evaluation Criteria	
1.	Tender summary information	9
2.	Last date and time for submitting the Bids	10
3.	Manner of submitting the Bids	10
4.	Time and date for opening of Bids	10
5.	Place of opening of the Bids	11
6.	Two-Bid system	11
7.	Submission of Bids & Authorized Signatory	11
8.	Clarification regarding contents of the RFP	11
9.	Modification and Withdrawal of Bids	11
10.	Clarification regarding contents of the Bids	11
11.	Additional information from the bidder	11
12.	Addendum/ Amendment to the RFP	12
13.	Rejection of Bids	12
14.	Validity of Bids	12
15.	Language of the Bid	12
16.	Earnest Money Deposit	12
17.	Undertaking for Blacklisting	13
18.	Status of Bidder	14
19.	Cost of Bidding	14
20.	Site Visit	14
21.	Wrong Information/ Concealment	14
22.	Confidentiality	15
23.	Commercial Bid Requirements	15
24.	Proposal Response Format	15
25.	Instructions for Online Bid Submission	15
26.	Pre-Qualification Eligibility Criteria	16
27.	Preliminary Evaluation	26
28.	Evaluation Process	26
29.	Criterion for Evaluation of Bid Response	27
30.	<i>Financial Evaluation</i>	28
31.	<i>Technical Evaluation criteria</i>	28
32.	<i>Marking Criteria</i>	29
33.	<i>Financial Criteria</i>	29
Part- II	Essential Details of Items/ Services required	
1.	Background	31
2.	Scope of Work	31
3.	Schedule of Requirements	31
4.	Technical & Other Details	31
5.	Delivery period	32
6.	Consignee details	32

7.	Variation in Quantity	32
8.	Un-Priced Bill of Material	32
Part III	Standard Conditions of RFP	
1.	Relationship Between the Parties	34
2.	Intellectual Property Rights	34
3.	Land and Border Provision	34
4.	Indemnity	35
5.	Code of Integrity	35
6.	Conflict of Interest	36
7.	Undue Influence	37
8.	Unlawful / Unethical Practices	37
9.	Penalty for Breach of Integrity, Conflict of Interest, Undue Influence and Unethical Practices	38
10.	Blacklisting/ Debarment	38
11.	Risk and Cost Clause	38
12.	Penalties	39
13.	Confidentiality	39
14.	Right to Inspection	39
15.	Termination of Contract	40
16.	Post-Termination Responsibility	41
17.	Notices	42
18.	No Waiver	42
19.	Amendment	42
20.	Arbitration	42
21.	Jurisdiction	44
22.	Force Majeure	44
23.	Sub-Contracting	44
24.	Extension of Time	44
25.	Assignment	45
26.	Severability	45
27.	Entire Contract	45
28.	Liquidated Damages	46
29.	Power of Attorney	46
30.	Signing of Non-Disclosure Agreement	46
31.	MSME Clauses	47
32.	Personnel	47
33.	Non-Exclusivity	47
34.	Compliance with Applicable Law	48
35.	Acceptance of T&Cs of RFP	48
Part IV	Standard Conditions and Payment terms	
1.	Performance Guarantee	50
2.	Payment Terms	50
3.	Mobilisation Advance	52
4.	Required Submission of Documents for Processing of Payment	52
5.	Fall Clause	52
6.	Specification Clause	53

7.	OEM Certificate	53
8.	Insurance	53
9.	Warranty	54
10.	CAMC	54
11.	Period of Contract	54
12.	Consortium: Allowed / Not Allowed	54
Part V	Annexures	
1.	Pre-Qualification Proposal Submission Form /Covering letter. ANNEXURE-A	57
2.	Pre-Qualification Bidders Information ANNEXURE-B	59
3.	Bid Security Declaration Form ANNEXURE-C	60
4.	Non-black listing Declaration (Notarized) ANNEXURE-D	61
5.	Pre-qualification- Local office Establishment ANNEXURE-E	62
6.	Pre-qualification- Power of Attorney ANNEXURE-F	63
7.	Document Checklist ANNEXURE-G	64
8.	Format for Performance Bank Guarantee ANNEXURE-H	66
9.	Self- Declaration for The Code of Integrity ANNEXURE-I	68
10.	Financial Bid Covering Letter ANNEXURE-J	69
11.	Certificate of Annual Turnover certified by CA ANNEXURE-K	71
12.	Format of OEM's authorization letter ANNEXURE-L	72
13.	SITE VISIT AND INSPECTION CERTIFICATE ANNEXURE-M	73
14.	Format for providing details of the on-going projects ANNEXURE-N	74
15.	Commercial Price bid format ANNEXURE-O	75
16.	FORMAT OF BOQ item wise specifications COMPLIANCE/EXCEPTION / DEVIATION from the OEM's ANNEXURE-P	82
17.	Unpriced BOM with Make, Model and Data sheets to be enclosed ANNEXURE- Q	83
18.	Undertaking of "No Conflict of interest" ANNEXURE-R	86
19.	Format of "No Deviation Certificate ANNEXURE-S	87
20.	Format of Arbitration Clause–Indigenous Private Bidders ANNEXURE-T	88
21.	Format of Non-Disclosure Agreement Annexure - U	89
22.	Bank Guarantee Format for EMD Annexure - V	94
23.	Format for UNDERTAKING Annexure - W	95
24.	Format of UNDERTAKING FOR INDEMNITY Annexure - X	96
25.	Undertaking for Bid Validity Annexure - Y	97
26.	Land border sharing Declaration ANNEXURE-Z	98
27.	Undertaking Regarding Payment Of GST/ Filing of GST Return Annexure - AA	99
28.	FORMAT OF BOQ item wise specifications COMPLIANCE/EXCEPTION / DEVIATION ANNEXURE-AB	100
29.	Drawings	138

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 Selection of a System Integrator for the Supply Installation Testing, Commissioning (SITC) For Digitalization of Recording rooms, Presenter Room & Lecturer Hall at Vijayanagara Sri Krishnadevaraya University (VSKU), Bellary.

Request for Proposal (RFP) No: BECIL/RO/VSKU/RR/2026-27/01 Dated: xx July 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-RO 162, II](#)
[Main, I Cross, AGS](#)
[Layout, RMV II Stage,](#)
[Bengaluru – 560094](#)
[\(080-2341 5853\) , email : 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	Supply Installation Testing, Commissioning (SITC) for Digitalization of Recording rooms, Presenter Room & Lecturer Hall at Vijayanagara Sri Krishnadevaraya University (VSKU), Bellary.		
Tender Reference Number	BECIL/RO/VSKU/RR/2026-27/01. Date: XX/07/2026.		
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	30/07/2026	Proposal Validity (Days from the date of Proposal opening)	180 Days
Document Download End Date & Time			30/07/2026 & 9:00 AM
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	14/08/2026, Time: 1200Hrs roprojects1@becil.com		
Proposal Submission Start Date & Time	30/07/2026	Proposal Submission Closing Date & Time	20/08/2026 & 3:00 PM
Tender Processing Fees			
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)		
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. 18,70,000/- (Rupees Eighteen Lakhs seventy thousand 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 with concerned			

The EMD amount shall be uploaded in the Etenders.gov.in portal. 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.	Ministries/ Departments are exempted from submission of Bid Security. 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.		
Performance Bank Guarantee	5% of Order value	The Performance Bank Guarantee (PBG) shall be submitted in favor of the Chairman & Managing Director (CMD) within fifteen (15) days from the date of issuance of the Work Order.	The PBG shall be submitted by the selected bidder in favor of the following: Chairman & Managing Director (CMD) 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

1. Last date and time for submitting the Bids: 20 August 2026 12:00 Hrs

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: 20 August 2026 14:00 Hrs

(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 14 August 2026. The bidders have to submit their queries in writing at least by 15:00 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- C.

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 **18.70 Lakhs Rupees** 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 C 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/ debarred 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- D.

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

Sl. No	Basic Requirements	Specific Qualification Criteria	Documents to be submitted
1.	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 Minimum of 5 years 2. Registered with Goods and Services Tax Network (GSTN) and PAN.	Copy of Certificate of Incorporation/ Registration / Memorandum & Articles of Association/Registration Certificate/Partnership deed. Valid GSTIN and copy of GST Registration Certificate, Copy of PAN.
2.	EMD in the form BG/DD/Online	Earnest Money Deposit (EMD) The bidder shall furnish an Earnest Money Deposit (EMD) of Rs. 18,70,000/- (Rupees Eighteen Lakhs seventy thousand Only) either through online payment or by submission of a valid Bank Guarantee (BG)/DD in the prescribed format provided in the relevant Annexure. The EMD shall be refundable in accordance with the terms and conditions of the tender. No interest shall be payable on the EMD amount. Note: In case the EMD is submitted in the form of a Bank Guarantee/DD the original hard copy of the BG/DD must be submitted to the BECIL Regional Office, Bangalore, on or before the bid submission due date and time. Failure to submit the original BG within the stipulated time shall render the bid liable for rejection	Bidder has to upload the legible copy of the EMD(BG copy/DD copy/Online payment made copy) in the portal. Only MSE'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 MSE/ UDHYAM 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).

3.	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 certificate to be submitted. ‘or’ Self-declaration for setup of local support office in state. (Declaration as per the format attached at Annexure- V).
4.	Certifications	The bidder should hold relevant certifications. The below certifications are required. 1. ISO 9001:2015 2. ISO 27001:2022 3. ISO 14001:2015 4. ISO 45001:2018	Copy of valid certificates. The certificates should be valid on bid submission date.
5.	Bidder Experience (In AV field)	The Bidder should have Minimum 05 years of experience in the AV field specifically in smart classroom/digital classroom/Auditorium/convention center or any similar AV projects in the last 5 years till bid submission due date for any State Government/UT/PSU or Central Government or by any other Government Organization 1. Three projects of each project value not less than Rs 3.75 Crores (50% for MSE's) 2. Two projects of each project value not less than Rs.4.7 Crores (50% for MSE's) 3. One project of each project value of not less than Rs. 7.5 Crores (50% for MSE's)	Documentary evidence for work and contract value, along with client contact details, in the form of work order or completion certificate from the client.
6.	Bidder Experience (In Acoustics and furnishings)	The bidder should have executed at least one project in acoustics and furnishings in any State Government/UT/PSU or Central Government or by any other Government Organization in the last 05 years.	Documentary evidence for work along with client contact details, in the form of work order or completion certificate from the client.

7.	Site visit	It is mandatory for bidders to visit the site and submit a site visit certificate.	Site visit certificate as per annexure.
8.	Turnover	Financial Eligibility Criteria 1. The bidder shall have an average annual turnover of not less than Rs. 10 Crores (for MSE Rs.5 Crores) during the last three (3) financial years,(during the past 2 years for MSE's) namely FY 2022-23, FY 2023-24, and FY 2024-25. 2. The bidder shall have a positive net worth in each of the last three (3) financial years, namely FY 2022-23, FY 2023-24, and FY 2024-25. 3. The bidder shall submit audited financial statements and/or a certificate from a Chartered Accountant as documentary evidence in support of the above financial eligibility criteria.	Documentary Evidence for Financial Eligibility 1. The bidder shall submit copies of the audited Balance Sheets, ITR's and Profit & Loss Accounts for the last three (3) financial years, namely FY 2022-23, FY 2023-24, and FY 2024-25, along with a certificate issued by the Chartered Accountant. 2. The certificate and financial statements shall be duly certified and shall clearly indicate the Chartered Accountant's name, registration number, UDIN (Unique Document Identification Number), signature, and official seal. 3. The certificate shall be submitted strictly in the prescribed format attached to this tender document.
9.	Bank Solvency Certificate	Solvency Certificate The bidder shall submit a Solvency Certificate/Bank sanction limit letter issued by any Scheduled Bank/Scheduled commercial banks, indicating an amount Rs. 3 Crores (Rupees Three Crores Only). A copy of the fresh Solvency Certificate shall be uploaded and submitted along with the bid. The certificate shall not be older than three (3) months from the date of bid submission.	A copy of the valid Solvency Certificate/Bank sanction limit letter, issued by a Scheduled Bank/Scheduled commercial banks, shall be enclosed in the bid documents. Note: Solvency certificates from Co-operative Banks or Gramin (regional rural) banks are not acceptable.
10.	Key staff	Bidder should have minimum Three (3) AV technicians	List of the Key staff mentioning their key position / roles and their qualification and experience should be provided by the bidder.
11.	Blacklist Declaration	The Bidder should not be blacklisted / debarred/ banned/ restricted by any Union	A Notarized Affidavit on Rs. 100/-

		Govt/State Govt./ PSU or any Central or State govt. Entity as on date of submission of the Bid.	stamp paper signed by the Authorized Signatory of the Bidder.
12.	Power of Attorney for the Authorized Signatory	Power of Attorney authorizing the person to sign the bid documents -to be on non-judicial stamp paper Rs. 500 as per Indian Stamp Act.	Board resolution /Power of attorney (Notarized) with supportive documents.

25.2 Eligibility conditions for the OEM:

OEM Criteria- Document Checklist: For Recording Room

Sl. No	Requirements	Document Particulars Submitted (Yes/No)	Page No. of the attached Document
Smart Intelligent Display, BOQ Sl. No – 8			
1.	Manufacturer's Authorization Form (MAF) as per the given format Annexure-		
2.	BIS Certificate		
3.	FCC and CE Certificate		
4.	Quoted Brand should have single PO copy minimum of 500 units (Interactive Display) in any one year of last 3 years, from any State Government/UT/PSU or Central Government or by any other Government Organization.		
5.	Average Annual turnover of the OEM must more than Rs. 37.4 Crores during the last three financial years (FY2022-23, FY2023-24, FY2024- 25) And Net Worth should be positive for each of 03 financial years i.e. FY2022-23, FY2023-24, FY2024- 25.		
6.	OEM should have a Research and Development facility operational in India		
7.	OEM should have valid GST registration certificate in Karnataka		
8.	Local Service Centre in Bellary (Direct /Authorized). Proof of a service center to be submitted.		
9.	OEM should have online portal and email facilities should be available for lodging and tracking complaints.		
10.	OEM should also have a toll-free number for logging calls and obtaining service docket/ticket. Escalation Matrix for Service Support: Tenderer/OEM must provide Escalation Matrix of Telephone Numbers for Service Support. Upload undertaking on OEM letterhead		

11.	The OEM should be registered in India for a minimum of 10 years. Certification of Incorporation should be uploaded		
12.	OEM should have valid certificates ISO9001, ISO14001, ISO45001 for India		

CCTV Display and signage Display, BOQ Sl. No – 25 & 26

1.	Manufacturer's Authorization Form (MAF) as per the given format Annexure-		
2.	BIS Certificate		
3.	FCC and CE Certificate		
4.	OEM Should their own manufacturing unit in India for minimum of 5 years and same factory address should be listed in BIS certificate of the quoted model.		

audio speaker/amplifier - sl.no 13, SL.NO 14

1.	Manufacturer's Authorization Form (MAF) – to be uploaded		
2.	OEM should have valid GST registration certificate in Karnataka, relevant documents to be uploaded		
3.	OEM should have a Research and Development facility operational in India, relevant documents to be uploaded		
4.	OEM should have a registered office and service centre in Karnataka, proof to be uploaded		
5.	Escalation Matrix for Service Support: Tenderer/OEM must provide Escalation Matrix of Telephone Numbers for Service Support. Upload undertaking on OEM letterhead		

25.3 OEM Criteria- Document Checklist: For Presenter Room

Sl. No	Requirements	Document Particulars Submitted (Yes/No)	Page No. of the attached Document
Display: Sl. No – 8			
1.	Manufacturer's Authorization Form (MAF) as per the given format Annexure-		
2.	BIS Certificate		
3.	FCC and CE Certificate		

4.	Quoted Brand should have single PO copy minimum of 500 units in any one year of last 3 years, from any State Government/UT/PSU or Central Government or by any other Government Organization.		
5.	Average Annual turnover of the OEM must more than Rs. 37.4 Crores during the last three financial years (FY2022-23, FY2023-24, FY2024-25) And Net Worth should be positive for each of 03 financial years i.e. FY2022-23, FY2023-24, FY2024- 25.		
6.	OEM should have a Research and Development facility operational in India		
7.	OEM should have valid GST registration certificate in Karnataka		
8.	Local Service Centre in Bellary (Direct /Authorized). Proof of a service center to be submitted.		
9.	OEM should have online portal and email facilities should be available for lodging and tracking complaints.		
10.	OEM should also have a toll-free number for logging calls and obtaining service docket/ticket. Escalation Matrix for Service Support: Tenderer/OEM must provide Escalation Matrix of Telephone Numbers for Service Support. Upload undertaking on OEM letterhead		
11.	The OEM should be registered in India for a minimum of 10 years. Certification of Incorporation should be uploaded		
12.	OEM should have valid certificates ISO9001, ISO14001, ISO45001 for India		

Cctv Display: SI.No – 23

1.	Manufacturer's Authorization Form (MAF) as per the given format Annexure-		
2.	BIS Certificate		
3.	FCC and CE Certificate		
4.	OEM Should their own manufacturing unit in India for minimum of 5 years and same factory address should be listed in BIS certificate of the quoted model.		

Audio speaker/amplifier - sl.no 12, SL.NO 13

1.	Manufacturer's Authorization Form (MAF) – to be uploaded		
2.	OEM should have valid GST registration certificate in Karnataka, relevant documents to be uploaded		
3.	OEM should have a Research and Development facility operational in India, relevant documents to be uploaded		
4.	OEM should have a registered office and service centre in Karnataka, proof to be uploaded		
5.	Escalation Matrix for Service Support: Tenderer/OEM must provide Escalation Matrix of Telephone Numbers for Service Support. Upload		

	undertaking on OEM letterhead		
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25.4 OEM Criteria- Document Checklist: For Lecture Room

Sl. No	Requirements	Document Particulars Submitted (Yes/No)	Page No. of the attached Document
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Display Sl.No – 8

1.	Manufacturer's Authorization Form (MAF) as per the given format Annexure-		
2.	BIS Certificate		
3.	FCC and CE Certificate		
4.	Quoted Brand should have single PO copy minimum of 500 units in any one year of last 3 years, from any State Government/UT/PSU or Central Government or by any other Government Organization.		
5.	Average Annual turnover of the OEM must more than Rs. 37.4 Crores during the last three financial years (FY2022-23, FY2023-24, FY2024- 25) And Net Worth should be positive for each of 03 financial years i.e. FY2022-23, FY2023-24, FY2024- 25.		
6.	OEM should have a Research and Development facility operational in India		
7.	OEM should have valid GST registration certificate in Karnataka		
8.	Local Service Centre in Bellary (Direct /Authorized). Proof of a service center to be submitted.		
9.	OEM should have online portal and email facilities should be available for lodging and tracking complaints.		
10.	OEM should also have a toll-free number for logging calls and obtaining service docket/ticket. Escalation Matrix for Service Support: Tenderer/OEM must provide Escalation Matrix of Telephone Numbers for Service Support. Upload undertaking on OEM letterhead		
11.	The OEM should be registered in India for a minimum of 10 years. Certification of Incorporation should be uploaded		
12.	OEM should have valid certificates ISO9001, ISO14001, ISO45001 for India		

Signage Display Sl.No – 18

1.	Manufacturer's Authorization Form (MAF) as per the given format Annexure-		
2.	BIS Certificate		
3.	FCC and CE Certificate		

4.	OEM Should their own manufacturing unit in India for minimum of 5 years and same factory address should be listed in BIS certificate of the quoted model.		
Audio speaker/amplifier - sl.no 12, SL.NO 13			
1.	Manufacturer's Authorization Form (MAF) – to be uploaded		
2.	OEM should have valid GST registration certificate in Karnataka, relevant documents to be uploaded		
3.	OEM should have a Research and Development facility operational in India, relevant documents to be uploaded		
4.	OEM should have a registered office and service centre in Karnataka, proof to be uploaded		
5.	Escalation Matrix for Service Support: Tenderer/OEM must provide Escalation Matrix of Telephone Numbers for Service Support. Upload undertaking on OEM letterhead		

26. Technical Qualification Framework:

SI. No	Evaluation Criteria	Max Score in marks	Documents required/to be submitted
PART A: Technical Evaluation Stage - I			
a.	Organization Profile & Experience		
1.	Turnover Criteria (Evaluation Marks) The bidder must have a minimum average annual turnover of Rs. 10 Crores during the financial years FY 2022-23, FY 2023-24, and FY 2024-25. (for MSE last two financial years) Marks shall be awarded based on the average annual turnover as follows: 1. Total Average turnover of not less than or equal to Rs. 10 Crores (for MSE Rs.5 Crores) Maximum 3 Marks	10	The bidder shall submit copies of the Statutory Auditor's certificate along with audited Balance Sheets and Profit & Loss Accounts for the last three (3) financial years, namely FY 2022-23, FY 2023-24, and FY 2024-25. All documents shall be duly certified by a Chartered Accountant and shall clearly indicate the CA's registration number, UDIN (Unique Document Identification Number), signature, and official seal. The certificate shall be submitted strictly in the format provided in the

	2. Total Average turnover of more than Rs. 10 Crores and up to Rs. 12 Crores: (for MSE more than Rs.5 Crores upto Rs.6 Crores) Maximum 5 Marks 3. Total Average turnover of more than Rs. 12 Crores (for MSE more than Rs.6 Crores) Maximum 10 Marks		Annexures of this tender document
2.	Bidder Experience in State Government/UT/PSU or Central Government or by any other Government Organization: The Bidder should have Supplied, Installed and commissioned smart classroom/digital classroom/ Auditorium/ convention center or any similar AV projects in the last 5 years. 1. Three projects of each project value not less than Rs 3.75 Crores (50% for MSE's) or Two projects of each project value not less than Rs.4.7Crores (50% for MSE's) or One project of value not less than Rs. 7.5 Crores (50% for MSE's) Max:5 marks 2. One project of value not less than Rs.9 Crores (50% for MSE's) Max:10 Marks 3. One project of value not less than Rs. 12 Crores: (50% for MSE's) Max: 15 Marks	15	Work order or completion certificate from the client clearly mentioning the value of the project with project details.
3.	Office Registration The bidder should have registered under Govt of Karnataka (minimum of 5 years)	5	Valid GST Certificate copy to be uploaded.
4.	Bidder should have minimum one (1) CTS Certified professional.	5	Valid CTS Certification.
5.	Bidder's work experience in Kalyan Karnataka region The bidder should have executed at least one project in Kalyana Karnataka region through any State Government/PSU or	5	Documentary evidence for work along with client contact details, in the form of work order or completion certificate from the client.

	Central Government or by any other Government Organization in the last 05 years.		
6.	Government Projects completed /On going in the last 5 years. 1. The bidder should have Executed two State / Central Government projects Max. 3 marks 2. The bidder should have Executed three State / Central Government projects Max. 5 marks 3. The bidder should have Executed Five State / Central Government projects Max. 10 marks	10	Copies of work orders or completion certificates or ongoing certification from the client.
7.	Bidder should have following valid certificates: 1. ISO 9001:2015 - 1 Marks 2. ISO 27001:2022 - 1 Marks 3. ISO 14001:2015 - 1 Marks 4. ISO 45001:2018 - 1 Marks 5. ISO 20000-1:2018 - 1 Marks	5	Bidder should upload the copy of the certificate
8.	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 qualified for the 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 Design solution, Implementation Approach, Methodology, detailed project implementation plan to complete the project.	40	Bidder should enclose all the Technical, Presentation document along with the technical bid.
	Part B total marks: 40 Maximum		

26. PRELIMINARY EVALUATION

- 26.1. BECIL shall evaluate the proposals to determine that they are complete, technically complying, no computational errors have been made, required documents as mentioned in the RFP have been furnished, the documents have been properly signed and the response is generally in order.
- 26.2. BECIL may waive off any minor infirmity or non-conformity or irregularity in the proposal which does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any bidder.
- 26.3. In case only one bid is received or during the Technical Evaluation only one bidder qualifies for the next stage of the evaluation process, BECIL reserves the right to accept/ reject the bid.
- 26.4. In case two bids are received from the same bidder, both the bids will be rejected.

27. EVALUATION PROCESS

- 27.1. No enquiry/ query shall be made by the bidders during the course of evaluation of the RFP, after opening of bid, till final decision is conveyed to the successful bidder. However, the Evaluation Committee/ its authorized representative and office of BECIL can make any enquiry/ seek clarification from the bidders, which the bidder must furnish within the stipulated time else the bids of such defaulting bidders will be rejected. The proposal will be evaluated on the basis of its content, not its length.
- 27.2. The bidder's proposals will be evaluated as per the requirements specified in the RFP and adopting the evaluation criteria spelt out in subsequent paras of this RFP document. The bidders are required to submit all required documentation as per evaluation criteria specified in RFP.
- 27.3. Upon verification, evaluation/ assessment, if in case any information furnished by the bidder is found to be incorrect, their bid will be summarily rejected and no correspondence on the same shall be entertained. Submission of false/ forged documents will lead to forfeiture of security deposit/ EMD and blacklisting of agency for a minimum period of 3 years from participating in BECIL RFP/tenders.
- 27.4. BECIL will review the proposal to determine whether the proposals are as per the requirements laid down. Proposals that are not in accordance with these requirements will be liable to be disqualified at BECIL's discretion.
- 27.5. Evaluation of proposals shall be based on:
 - 27.5.1.1. Information contained in the proposal, the documents submitted there to and clarifications provided, if any.

- 27.5.1.2. Experience and Assessment of the capability of the bidders based on past record.
- 27.6. BECIL reserves the right to seek any clarifications on the already submitted bid documents. BECIL also reserves the right to cross verify the information with any agency.
- 27.7. Conditional proposals shall NOT be accepted on any ground and shall be rejected straightway. If any clarification is required by the bidders, the same should be obtained before submission of the proposals.
- 27.8. Even though bidder satisfy the necessary requirements they are subject to disqualification if they have:
- 27.8.1. Made untrue or false representation in the form, statements required in the RFP document.
- 27.8.2. Records of poor performance such as abandoning work, not properly completing contract, financial failures or delayed completion.

28. CRITERION FOR EVALUATION OF BID RESPONSE:

- 28.1. The proposal is to be in **TWO BID SYSTEM** with separate Pre-Qualification, Technical and Financial sections.
- 28.2. Only Technically Qualified bidders may be called for Presentation.
- 28.3. Financial bid shall be opened of only that bidder who has found to be technically eligible based on technical evaluation and/or Technical Presentation.
- 28.4. The evaluation of the tenders will be made first based on technical information furnished and then on the basis of Technical Presentation.
- 28.5. The Commercial bids of only such firms found technically qualified will be opened on a date to be communicated to bidders who have qualified in the technical bid stage.
- 28.6. The reasons for selection or rejection of a particular response will not be disclosed. The award of order will be further subject to any specific terms and conditions of the contract given in this section.
- 28.7. The agencies/bidders that are considered technically qualified by TEC may be asked to conduct a presentation before the evaluation committee. **The Presentation will form a part of Evaluation Criteria. The bid shall be rejected by Tender Evaluation Committee (TEC), if presentation is not found as per the tender requirement.**

29. FINANCIAL EVALUATION

- 29.1. Bidders are requested to note that they should necessarily submit their financial bids in the format provided in e-tender website i.e. <https://etenders.gov.in> and no other format is acceptable. If the price bid has been given as a standard BOQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BOQ file, open it and complete the white colored (unprotected) cells with their respective financial quotes and other details (such as name of the bidder). No other cells should be changed. Once the details have been completed, the bidder should save it and submit it online, without changing the filename. If the BOQ file is found to be modified by the bidder, the bid will be rejected.
- 29.1.1. The Financial bid shall be opened of only that bidder who has found to be technically eligible. BECIL shall inform the date, and time for opening of financial bid.
- 29.1.2. Financial bid will be inspected to ensure conformance to the format provided in the tender document.
- 29.1.3. Arithmetical errors shall be rectified on the following basis. If there is a discrepancy between amount quoted in words and figures, the amount in words shall be taken for evaluation.
- 29.2. The Lowest Bid will be decided upon the lowest price quoted by the particular Bidder as per the price bid format.
- 29.3. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price will prevail and the total price will be corrected. If there is a discrepancy between words and figures, the amount in words will prevail for calculation of price.
- 29.4. The Lowest Acceptable Bid will be considered further for placement of contract / Supply Order after complete clarification and price negotiations as decided by the Buyer.

30. Technical Qualification Criteria: Pre-Qualification Criteria:

- 30.1. Each of the pre-qualification condition mentioned in the RFP document is MANDATORY. In case the bidder does not meet any one of the conditions, the bidder will be disqualified.
- 30.2. The Bidders are requested to furnish information and documents to establish their eligibility. If a bid is not accompanied with all necessary documents, it may be summarily rejected.

- 30.3.** Only the bidders, who fulfil the Pre-Qualification Criterion, will qualify for Technical Evaluation. Failing to any of the pre-qualification Criteria shall lead to dis-qualification of the proposal and bidder.

31. Marking/Technical Criteria

- 31.1.** The technical proposal of qualified bidders will be evaluated as per the requirements specified in the RFP and technical evaluation criteria as mentioned in the RFP Document.
- 31.2.** Bidders may be asked to give a demonstration/ presentation on their understanding of the Scope of Work and their proposal submitted for undertaking the evaluation.
- 31.3.** Each technical proposal will be assigned technical marks out of a maximum of 100 marks. Only the bidders who get Technical Marks of **70** or more will qualify for financial evaluation. Failing to secure minimum marks shall lead to technical rejection of the Proposal and Bidder.
- 31.4.** Reasons for rejecting a tender/ bid will be disclosed to a bidder only where enquiries are made.

32. Financial Criteria

Financial bids will be opened only for the agencies that will score **70** or more in Technical Evaluation. Failing to secure minimum marks shall lead to technical rejection of the Proposal and Bidder.

The Financial Evaluation shall be carried out on L1 basis. The bidder quoting the lowest total price (L1) among the technically qualified bidders shall be declared as the successful bidder, subject to fulfilment of all tender conditions and approval of the competent authority.

Part- II
Essential Details of Items/ Services required

Scope of Work:

Digitalization of lecture halls with signage boards, recording and streaming facility:

- 1. Digitization of Lecturer Hall (132 seats)– 1 Number**
- 2. Digitization of Presenter Room – 1 Number**
- 3. Digitization of Recording Room - 6 Numbers.**

1.1 Estimated requirements:

- i.** Providing & Fixing of Acoustical Suspended Ceiling System.
- ii.** Providing & Fixing of Acoustical wall paneling.
- iii.** Providing & Fixing Roller Blinds for all windows.
- iv.** Vinyl flooring for lecturer hall seating area, Recording room. Wooden flooring for lecturer hall stage area & presenter room.
- v.** Step platforms for seating area in lecturer hall.
- vi.** 132 Numbers. Auditorium push back tip up chairs for lecturer hall.
- vii.** Digital displays (For lecturer hall- 110 inches, Presenter room- 110 inches, Recording room – 98 inches.
- viii.** Audio, video equipment's for Recording room, Presenter room & lecturer hall.
- ix.** 24-seater Conference table with chair for presenter room.
- x.** 2 KVA UPS with battery backup for Presenter room & Recording room.
- xi.** 3 KVA UPS with Battery backup for Lecturer Hall.
- xii.** Furniture for recording room.
- xiii.** Teaching software for recording room.
- xiv.** Conference unit for the presenter room.

Note: Please refer the Drawings enclosed in this RFP.

1. Technical & Other Details

The Selected Agency shall comply with the following technical and implementation requirements:

- Comprehensive maintenance of all surveillance infrastructure strictly conforming to approved specifications of VSKUB.
- Provision of preventive and breakdown maintenance services throughout CAMC period
- Deployment of qualified technical manpower for 24x7 operational support
- Maintenance of uptime and response timelines as per service level requirements
- Provision of software support, updates, and technical documentation
- Replacement of defective or non-functional components during CAMC period
- Availability of required testing tools, equipment, and maintenance accessories
- Submission of service reports, maintenance logs, and compliance documentation
- Warranty support and replacement obligations as per contract conditions
- Any additional requirement necessary for operational readiness and uninterrupted functioning of the surveillance system

2. 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.

3. Consignee Details

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

4. 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.

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

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.

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) an any time or use nor shall allow information to be used for any purpose other than that as may be necessary for the due performance of the Bidder's obligations hereunder except when required to disclose under the due process and authority of law.

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 Clause 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 empanelled 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-U.

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):

Performance Bank Guarantee (PBG)

The successful bidder shall submit a Performance Bank Guarantee (PBG) equivalent to 5% of the Contract Value, 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.

The PBG shall be submitted within twenty-one (21) days from the date of issuance of the 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 plus an additional three (3) months extended period.

In the event of termination of the contract or default by the selected bidder, BECIL reserves the right to forfeit the Performance Bank Guarantee, without prejudice to any other rights or remedies available under the Contract or applicable law.

2. Payment Terms:

PART–A:

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.

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

1. First Milestone – Against Supply of IT part BOQ items – (Part A, B & C)

40% of the BOQ item-wise contract value for supplied BoQ items shall be released after the delivery of goods at Vijayanagara Sri Krishnadevaraya University (VSKU), Bellary, subject to submission of the tax invoice and upon certification and acceptance by BECIL / Vijayanagara Sri Krishnadevaraya University (VSKU), Bellary.

Payment shall be subject to certification of goods / DC by Vijayanagara Sri Krishnadevaraya University (VSKU), Bellary. The following documents:

- Delivery Challan
- E-way Bills
- Packing List
- GST Tax Invoice

2. Second Milestone – Against Installation of supplied IT part BOQ items-(Part-A, B & C)

30% of the BOQ item-wise contract value shall be released after completion of installation at Vijayanagara Sri Krishnadevaraya University (VSKU), Bellary, subject to submission of installation certification by BECIL / Vijayanagara Sri Krishnadevaraya University (VSKU), Bellary as applicable.

Payment shall be contingent upon submission and approval of installation reports certified by Vijayanagara Sri Krishnadevaraya University (VSKU), Bellary.

For non-IT part of the BOQ items in Part A, B & C

70% of the BOQ item rate shall be released only against the Supply and fixing of Acoustics, Furnishing, electrical BOQ items after the record of measurements and certification by the Vijayanagara Sri Krishnadevaraya University (VSKU), Bellary.

3. Third Milestone –

3.1 For IT part of the BOQ items- Part A,B & C

a. Balance **30%** of the BOQ item-wise supply value (IT BOQ).

b. **100%** of the BoQ item for the Installation materials (S.no #33 in part A, S.no #26 in part B, S.no #24 in part C).

C. **100%** of the IT part Installation, Testing and Commissioning (ITC) services (S.no #34 in part A, S.no #27 in part B, S.no #25 in part C).

shall be released after successful completion of commissioning, training, Third party inspection certification and final acceptance by the Vijayanagara Sri Krishnadevaraya University (VSKU), Bellary.

3.2 For non-IT part of the BOQ items in Part A, B & C

Rest **30% Payment** shall be released after the Third-party inspection certification and final acceptance by the Vijayanagara Sri Krishnadevaraya University (VSKU), Bellary.

For the release of the Third Milestone the selected service provider/SI has to provide the QHTO, FHTO comprising as built drawings, technical drawings, supplied and fixed inventories, serial numbers, warranty certificates, test certificates, License's, Accessories in Triplicate booklets.

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.

3. 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.

4. Required submission of documents for processing of Payment

The payment of bills will be made on submission of the following documents by the Seller along with the bill:

- 7.1. Commercial Tax invoice in two copies
- 7.2. E-Way Bill (as applicable).
- 7.3. Proof of payment for EPF/ESIC contribution with nominal roll of beneficiaries, etc (if applicable).
- 7.4. Exemption certificate for taxes/duties, if applicable.
- 7.5. Bank guarantee for advance, if any.
- 7.6. Guarantee / Warranty certificate (if applicable).
- 7.7. Copy of Performance Bank guarantee.
- 7.8. Details for electronic payment viz Account holder's name, Bank name, Branch name and address, Account type, Account number, IFSC code, MICR code.
- 7.9. User Acceptance/Performance Certificate by User/BECIL.

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

- 5.1 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.
- 5.2 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.
- 5.3 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.

5.4 This clause shall apply **mutatis mutandis** to all sub-contracts and orders placed by the Supplier for the purpose of this contract.

5.5 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.

6. 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, indigenization, 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.

7. 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 and CAMC 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.

8. 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.

9. 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 Comprehensive Warranty and/or Comprehensive Annual Maintenance Contract (CAMC) period. The CAMC 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.

10. CONSORTIUM and JOINT VENTURE: NOT ALLOWED

11. 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.

12. 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.

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

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/RR/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 **Vijayanagara Sri Krishnadevaraya University (VSKU), 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 90 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/RR/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/RR/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/RR/2026-27/01, Dated:

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/RR/2026-27/01 Dated:

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		
2.	Memorandum of association (MOA) & Article of Association (AOA) if applicable		
3.	PAN Card		
4.	GST Registration Certificate		
5.	Company Registered Address and Contact Details		
6.	Details of EMD through Online Payment/copy of the valid BG submitted in the GeM Portal portal/ Bid Security Declaration against EMD.		
7.	Valid MSE UDHYAM certificate		
8.	Valid ISO Certificate		
9.	Valid CMM-III Certificate		
10.	Valid Solvency certificate from any of the National scheduled Banks		
11.	Bidder Turn Over Criteria evidence document proof (CA certificate, Balance sheets and P/L)		
12.	ITR for the 4 financial years		
13.	Supportive documents meeting the Bidder Experience Criteria		
14.	In the field of AV for E-Classrooms/Digital classrooms/Board rooms/conference rooms/auditoriums/convention centers		
15.	A detailed Presentation on the Technical solution and approach methodology		
16.	Pre-Qualification Proposal Submission Form /Covering letter. ANNEXURE-A		
17.	Pre-Qualification Bidders Information ANNEXURE-B		
18.	Bid Security Declaration Form ANNEXURE-C		
19.	Non-black listing Declaration (Notarized) ANNEXURE-D		
20.	Pre-qualification- Local office Establishment ANNEXURE-E		
21.	Pre-qualification- Power of Attorney ANNEXURE-F		
22.	Document Checklist ANNEXURE-G		
23.	Format for Performance Bank Guarantee ANNEXURE-H		
24.	Self- Declaration for The Code of Integrity ANNEXURE-I		
25.	Financial Bid Covering Letter ANNEXURE-J		
26.	Certificate of Annual Turnovercertified by CA ANNEXURE-K		
27.	Format of OEM's authorization letter ANNEXURE-L		
28.	SITE VISIT AND INSPECTION CERTIFICATE ANNEXURE-M		
29.	Format for providing details of the on-going projects ANNEXURE-N		
30.	Commercial Price bid format ANNEXURE-O		

31.	FORMAT OF BOQ item wise specifications COMPLIANCE/EXCEPTION / DEVIATION from the OEM's ANNEXURE-P		
32.	Unpriced BOM with Make, Model and Data sheets to be enclosed ANNEXURE-Q		
33.	Commercial Price bid format ANNEXURE-O		
34.	Undertaking of "No Conflict of interest" ANNEXURE-R		
35.	Format of "No Deviation Certificate ANNEXURE-S		
36.	Format of Arbitration Clause–Indigenous Private Bidders ANNEXURE-T		
37.	Format of Non-Disclosure Agreement Annexure - U		
38.	Bank Guarantee Format for EMD Annexure - V		
39.	Format for UNDERTAKING Annexure - W		
40.	Format of UNDERTAKING FOR INDEMNITY Annexure - X		
41.	Undertaking for Bid Validity Annexure - Y		
42.	Land border sharing Declaration ANNEXURE-Z		
43.	Undertaking Regarding Payment Of GST/ Filing of GST Return Annexure - AA		
44.	FORMAT OF BOQ item wise specifications COMPLIANCE/EXCEPTION / DEVIATION 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/RR/2026-27/01

Date:

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/RR/2026-27/01 Date:

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/RR/2026-27/01 Date:../../.....

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 2026 as per audited
statement is as follows:

SI No	Financial Year	Company turnover (INR Crore)	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/RR/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 Sri krishnadevaraya university battery **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

Site Visit and Inspection Certificate:

Selection of a System Integrator for the Supply Installation Testing, Commissioning (SITC) For Digitalization of Recording rooms, Presenter Room & Lecturer Hall at Vijayanagara Sri Krishnadevaraya University (VSKU), Bellary.

RFP Ref: RFP num: BECIL/RO/VSKU/HL/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 requirement's with respect to Non IT, IT, Electrical, HVAC, Lightings, Civil works etc. required 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 On-Going/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 d / 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 (Recording Room)								
A	Recording Room							
NON-IT Equipments								
1	Supply and fixing of False Ceiling	Sqm	648	-	-	18%	-	-
2	Supply and fixing of Wall panelling	Sqm	756	-	-	18%	-	-
3	Supply and fixing of Roller Blinds	Sqm	78	-	-	18%	-	-
4	Supply and fixing of Floor vinyl	Sqm	648	-	-	18%	-	-
5	Supply and fixing of Office table	Nos.	6	-	-	18%	-	-
6	Supply and fixing of Office chair	Nos.	6	-	-	18%	-	-
7	Supply and fixing of Desk / Bench and Seater	Nos.	90	-	-	18%	-	-
IT-Equipments								
8	Supply of Intelligent Display Screen	Nos.	6	-	-	18%	-	-
9	Supply of OPS for display	Nos.	6	-	-	18%	-	-
10	Supply of Display Wall Mounting	Nos.	6	-	-	18%	-	-
11	Supply of Software with minimum 3 Year subscription for MS Office, Digital teaching, ai etc	Nos.	6	-	-	18%	-	-
12	Supply of Digital podium with PC	Nos.	6	-	-	18%	-	-
13	Supply of Speaker	Nos.	24	-	-	18%	-	-

14	Supply of Amplifier	Nos	6	-	-	18%	-	-
15	Supply of Microphones, Wireless handheld	Nos	12	-	-	18%	-	-
16	Supply of Microphones, Wireless Lapel	Nos	12	-	-	18%	-	-
17	Supply of DSP	Nos	6	-	-	18%	-	-
18	Supply of PTZ Camera	Nos.	6	-	-	18%	-	-
19	Supply of Recorder & Streamer	Nos.	6	-	-	18%	-	-
20	Supply of UPS	Nos.	6	-	-	18%	-	-
21	Supply of Battery	Nos.	12	-	-	18%	-	-
22	Supply of CCTV Camera	Nos.	12	-	-	18%	-	-
23	Supply of POE Switch	Nos.	6	-	-	18%	-	-
24	Supply of Network Video Recorder	Nos.	6	-	-	18%	-	-
25	Supply of CCTV Display- 32 inches	Nos.	6	-	-	18%	-	-
26	Supply of Signage board with software - 55 inches	Nos.	6	-	-	18%	-	-
27	Supply of Equipment rack	Nos.	6	-	-	18%	-	-
Electrical Works								
28	Supply of TR Invertor type split Air conditioners 1.5 Ton capacity	Nos.	12	-	-	18%	-	-
29	Supply and fixing of Stand fabricated	Nos.	12	-	-	18%	-	-
30	Supply and fixing of copper tubing	mts	70	-	-	18%	-	-
31	Installation for Split type air conditioner	Nos.	12	-	-	18%	-	-
32	Supply and fixing of recess mounting LED light 2'x2'	Nos.	36	-	-	18%	-	-

Installation Materials and Installation and Commissioning services								
33	Supply of Installation cable, connectors and accessories	Lot	6	-	-	18%	-	-
34	Site Preparation, installation and commissioning related accessories including Electrical, Networking Cabling, etc., Transportation, Loading and Unloading, Insurance included- 3years warranty included	Lot	6	-	-	18%	-	-
Total amount for SITC of the above BOQ (Inclusive of all taxes) (PART - A) in Rs:								-
PART - B (Presenter Room)								
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
B	Presenter Room							
1	Part B - Supply and fixing of False ceiling	Sqm	44	-	-	18.00%	-	-
2	Supply and fixing of Wall panelling	Sqm	80	-	-	18.00%	-	-
3	Supply and fixing of Roller Blinds	Sqm	13	-	-	18.00%	-	-
4	Supply and fixing of Flooring	Sqm	44	-	-	18.00%	-	-
5	Supply and fixing of Conference table	Nos.	1	-	-	18.00%	-	-
6	Supply and fixing of High Back Cushion Chair	Nos.	24	-	-	18.00%	-	-
7	Supply of Chairs for visitors	Nos.	20	-	-	18.00%	-	-
8	Supply of 110 inches Display Screen	Nos.	1	-	-	18.00%	-	-
9	Supply of PC for display	Nos.	1	-	-	18.00%	-	-

10	Supply of Display Wall Mounting	Nos.	1	-	-	18.00%	-	-
11	Supply of Software with minimum 3 Year subscription for MS Office, Digital teaching, ai etc	Nos.	1	-	-	18.00%	-	-
12	Supply of Speaker	Nos.	4	-	-	18.00%	-	-
13	Supply of Amplifier	Nos.	1	-	-	18.00%	-	-
14	Supply of Microphones, Wireless handheld	Nos.	2	-	-	18.00%	-	-
15	Supply of DSP	Nos.	1	-	-	18.00%	-	-
16	Supply of VC Camera	Nos.	1	-	-	18.00%	-	-
17	Supply of Conference Unit 14+2	Nos.	1	-	-	18.00%	-	-
18	Supply of UPS	Nos.	1	-	-	18.00%	-	-
19	Supply of Battery	Nos.	2	-	-	18.00%	-	-
20	Supply of CCTV Camera	Nos.	2	-	-	18.00%	-	-
21	Supply of POE Switch	Nos.	1	-	-	18.00%	-	-
22	Supply of Network Video Recorder	Nos.	1	-	-	18.00%	-	-
23	Supply of CCTV Display- 32 inches	Nos.	1	-	-	18.00%	-	-
24	Supply and fixing of recess mounting LED light 2'x2'	Nos.	8	-	-	18.00%	-	-
25	Supply of Equipment rack	Nos.	1	-	-	18.00%	-	-
26	Supply of Installation cable, connectors and accessories	Lot	1	-	-	18.00%	-	-

27	Site Preparation, installation and commissioning related accessories including Electrical (point wiring, casing/capng, switch boards, 2x2 lights etc), Networking Cabling, etc., Transportation, Loading and Unloading, Insurance included- 3years warranty included	Lot	1	-	-	18.00%	-	-
Total amount for SITC of the above BOQ (Inclusive of all taxes) (PART - B) in Rs:								-
PART - C (Lecture Hall)								
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
C	Lecture Hall							
1	Supply and fixing of False Ceiling	Sqm	242	-	-	18.00%	-	-
2	Supply and fixing of Wall panelling	Sqm	198	-	-	18.00%	-	-
3	Supply and fixing of Roller Blinds	Sqm	21	-	-	18.00%	-	-
4	Supply and fixing of vinyl - Seating Area	Sqm	192	-	-	18.00%	-	-
5	Supply and fixing of Wooden Flooring - Stage Area	Sqm	66	-	-	18.00%	-	-
6	Supply and fixing of stepped seating platform - Deck	Sqm	112	-	-	18.00%	-	-
7	Supply and fixing of Auditorium push back chairs	Nos.	132	-	-	18.00%	-	-
8	Supply of 110 inches display	Nos.	1	-	-	18.00%	-	-
9	Supply of PC for display	Nos.	1	-	-	18.00%	-	-
10	Supply of Display Wall Mounting	Nos.	1	-	-	18.00%	-	-
11	Supply of Digital podium	Nos.	1	-	-	18.00%	-	-
12	Supply of Speaker	Nos.	4	-	-	18.00%	-	-
13	Supply of Amplifier	Nos.	1	-	-	18.00%	-	-

Note:After making the site visit bidder should quote after understanding the clear requirement's 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, softwares, all labour 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- (part- A, B, C 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:

Name of the Tender: SITC of Digitization of lecture halls with signage boards,
Vijayanagara Sri Krishnadevaraya University (VSKU), Bellary

Name of the Bidder:

SL. No	Item Description	UoM	Units	Make	Model
PART - A (Recording Room)					
A	Recording Room				
1	Supply and fixing of False Ceiling	Sqm	648		
2	Supply and fixing of Wall panelling	Sqm	756		
3	Supply and fixing of Roller Blinds	Sqm	78		
4	Supply and fixing of Floor vinyl	Sqm	648		
5	Supply and fixing of Office table	Nos.	6		
6	Supply and fixing of Office chair	Nos.	6		
7	Supply and fixing of Desk / Bench and Seater	Nos.	90		
8	Supply of Intelligent Display Screen	Nos.	6		
9	Supply of OPS for display	Nos.	6		
10	Supply of Display wall Mounting	Nos.	6		
11	Supply of Software with minimum 3 Year subscription for MS Office, Digital teaching, A.i etc	Nos.	6		
12	Supply of Digital podium with PC	Nos.	6		
13	Supply of Speaker	Nos.	24		
14	Supply of Amplifier	Nos	6		
15	Supply of Microphones, Wireless handheld	Nos	12		
16	Supply of Microphones, Wireless Lapel	Nos	12		
17	Supply of DSP	Nos	6		
18	Supply of PTZ Camera	Nos.	6		
19	Supply of Recorder & Streamer	Nos.	6		
20	Supply of UPS	Nos.	6		
21	Supply of Battery	Nos.	12		
22	Supply of CCTV Camera	Nos.	12		
23	Supply of POE Switch	Nos.	6		
24	Supply of Network Video Recorder	Nos.	6		
25	Supply of CCTV Display- 32 inches	Nos.	6		
26	Supply of Signage board with software - 55 inches	Nos.	6		
27	Supply of Equipment rack	Nos.	6		
28	Supply of TR Invertor type split Air conditioners 1.5 Ton capacity	Nos.	12		
29	Supply and fixing of Stand fabricated	Nos.	12		
30	Supply and fixing of copper tubing	mts	70		
31	Installation for Split type air conditioner	Nos.	12		
32	Supply and fixing of recess mounting LED light 2'x2'	Nos.	36		
33	Supply of Installation cable, connectors and accessories	Lot	6		

34	Site Preparation, installation and commissioning related accessories including Electrical, Networking Cabling, etc., Transportation, Loading and Unloading, Insurance included-3years warranty included	Lot	6		
PART - B (Presenter Room)					
SL. No	Item Description	UoM	Units	Make	Model
B	Presenter Room				
1	Supply and fixing of False ceiling	Sqm	44		
2	Supply and fixing of Wall panelling	Sqm	80		
3	Supply and fixing of Roller Blinds	Sqm	13		
4	Supply and fixing of Flooring	Sqm	44		
5	Supply and fixing of Conference table	Nos.	1		
6	Supply and fixing of High Back Cushion Chair	Nos.	24		
7	Supply of Chairs for vistors	Nos.	20		
8	Supply of 110 inches Display Screen	Nos.	1		
9	Supply of PC for display	Nos.	1		
10	Supply of Display Mounting	Nos.	1		
11	Supply of Software with minimum 3 Year subscription for MS Office, Digital teaching, A.i etc	Nos.	1		
12	Supply of Speaker	Nos.	4		
13	Supply of Amplifier	Nos.	1		
14	Supply of Microphones, Wireless handheld	Nos.	2		
15	Supply of DSP	Nos.	1		
16	Supply of VC Camera	Nos.	1		
17	Supply of Conference Unit 14+2	Nos.	1		
18	Supply of UPS	Nos.	1		
19	Supply of Battery	Nos.	2		
20	Supply of CCTV Camera	Nos.	2		
21	Supply of POE Switch	Nos.	1		
22	Supply of Network Video Recorder	Nos.	1		
23	Supply of CCTV Display- 32 inches	Nos.	1		
24	Supply and fixing of recess mounting LED light 2'x2'	Nos.	1		
25	Supply of Equipment rack	Nos.	1		
26	Supply of Installation cable, connectors and accessories	Lot	1		
27	Site Preparation, installation and commissioning related accessories including Electrical, Networking Cabling, etc., Transportation, Loading and Unloading, Insurance included-3years warranty included	Lot	1		
PART - C (Lecture Hall)					
SL. No	Item Description	UoM	Units	Make	Model
C	Lecture Hall				
1	Supply and fixing of False Ceiling	Sqm	242		

2	Supply and fixing of Wall panelling	Sqm	198		
3	Supply and fixing of Roller Blinds	Sqm	21		
4	Supply and fixing of vinyl Seating Area	Sqm	192		
5	Supply and fixing of Wooden Flooring - Stage Area	Sqm	66		
6	Supply and construction of stepped seating platform-Deck	Sqm	112		
7	Supply and fixing of Auditorium push back chairs	Nos.	132		
8	Supply of 110 inches display, bracket and PC	Nos.	1		
9	Supply of PC for display	Nos.	1		
10	Supply of Display Mounting	Nos.	1		
11	Supply of Digital podium	Nos.	1		
12	Supply of Speaker	Nos.	4		
13	Supply of Amplifier	Nos.	1		
14	Supply of Microphones, Wireless handheld	Nos.	2		
15	Supply of DSP	Nos.	1		
16	Supply of UPS	Nos.	1		
17	Supply of Battery	Nos.	2		
18	Supply of Signage board with software - 55 inches	Nos.	1		
19	Supply and fixing of electrical wires	Lot	1		
20	Supply and fixing of electrical switches/sockets	Lot	!		
21	Supply and fixing of LED lights 34-36W	nos	32		
22	Supply and fixing of LED lights 15-18W	nos	32		
23	Supply of Equipment rack	Nos.	1		
24	Supply of Installation cable, connectors and accessories	Lot	1		
25	Site Preparation, installation and commissioning related accessories including Electrical, Networking Cabling, etc., Transportation, Loading and Unloading, Insurance included-3years warranty included	Lot	1		

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

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

Sir/ Madam,

We hereby offer to **Vijayanagara Sri Krishnadevaraya University (VSKU), Bellary**. on Turnkey basis at Central University of Andhra Pradesh Anantapur”. 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/RR/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 arrangement 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,
#162, II Main, 1st Cross, AGS
Layout, RMV II Stage, Bengaluru-
560094.

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. 18,70,000 (Rupees Eighteen Lakhs seventeen thousand Only) on account of EMD.

We, (Name of the Bank), hereby, give this Bank Guarantee No. _____ dated _____ for an amount of Rs.18,70,000 (Rupees Eighteen Lakhs seventeen thousand 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. 18,70,000 (Rupees Eighteen Lakhs seventeen thousand 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/RR/2026-27/01, Dated: XX.07.2026.

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. <<>> dated << 202X>>

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 understand 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)

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/RR/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(from the Bidder)

Part - A (Recording Room)				
SL NO	DESCRIPTION	UNIT	Quantity	Compliance (Yes/No)
	Recording Room (12m x 9m)			
1	Providing & Fixing of Mineral Fibre Acoustical Suspended Ceiling System in module size of 600 x 600 x 20mm with Exposed Grid for Hospitals, shopping malls, Commercial establishments and office complexes. The tiles should have Humidity Resistance (RH) of 99%, NRC 0.7, Light Reflectance 85%, Thermal Conductivity k = 0.052 - 0.057 w/m K, Colour White, Fire Performance UK Class 0 I Class 1 (BS 476 pt- 6 & 7) with sand texture finish and suitable for Green Building application with Recycled content of 47%. The tile shall be laid on 24 mm wide T- section flanges colour white having rotary stitching on all T sections i.e. the Main Runner, 1200 mm & 600 mm Cross Tees with a web height of 38mm and a load carrying capacity of 15 kg/m2 & pull out strength of minimum 100 kg The T Sections should have a Galvanizing of 90 g/m2 and need to be installed with Suspension system. Preferred Make: Saint-Gobain/Knauf/USG Boral Recording Room (12m x 9m) 6 Nos	Sqm	648	
2	Providing and fixing decorative wall panelling using approved quality 12 mm BWP/MR grade plywood fixed over a framework of seasoned plywood battens, finished with approved shade and make 1.0 mm decorative laminate bonded with approved adhesive, including screws, edge beading, cutting, fitting, necessary hardware, and all incidental works, complete in all respects as directed by the Engineer-in-Charge. Measurement shall be in square metres of finished wall panelling. preferred Make: Archid/Century/Greenply or equivalent Recording Room (12m x 9m) 6 Nos (1.8 x 1.2m) 6 nos. each	Sqm	756	
3	Providing & fixing Roller Blinds of reputed make 38mm round Aluminium channel with blackout fabric, telting with chain (Ball) system with all necessary fittings and fixtures as per direction of Engineer in charge. preferred Make: Vista, or Equivalent. Recording Room (12m x 9m) 6 Nos (1.8 x 1.2m) 6 nos. each	Sqm	78	
4	Floor Acoustics as per technical specifications all required accessories to complete the functionality of the system 1.5mm Thick Vinyl Floor with Wooden Grain will be laid with the help of Synthetic Resin making sure joins are concealed properly. All step raisers shall have Aluminium Edge profile installed with the help of screws. Recording Room (12m x 9m) 6 Nos	Sqm	648	

5	Supplying and placing in position Presenter Table of the following specifications. Its size shall be 900 Width x 590 Depth x 750 Height. The top panels shall be made from 18 +/- 0.5 mm thick Pre - laminated boards as per with 2 mm thick PVC edge banding on all sides. Under structure shall be made from 0.9 mm +/- 0.09 mm thick powder coated 50 microns (+/-10) CRCA MS. Tubular Frame shall be sq. 25.4 +/- 0.3 mm x 1.2 +/- 0.096 mm thick MS ERW tube. Modesty panel shall be made from 1.0 +/- 0.09 mm thick powder coated 50 microns (+/- 10). The Storage shall be having shell 0.5 +/- 0.07 mm thick CRCA MS plus drawer tray 0.5 +/- 0.07 mm thick CRCA MS plus drawer front 0.8 +/- 0.1 mm thick CRCA MS. Also, there should be 10 lever cam lock plus handles built in plastic.	Nos.	6	
6	Providing and supplying High back mesh office chair with adjustable headrest, mesh backrest, moulded cushioned seat, adjustable lumbar support, gas-lift seat height adjustment, multi-lock reclining mechanism, adjustable armrests, heavy-duty nylon base fitted with twin-wheel castors, suitable for office use, complete in all respects including transportation, handling, installation and commissioning as directed by the Engineer-in-Charge. Type: Ergonomic Medium Back Mesh Chair, Headrest: Adjustable Headrest, Backrest: Breathable Mesh Back, Seat: High-density Cushioned Seat, Lumbar Support: Adjustable, Height Adjustment: Gas Lift Mechanism, Recline: Multi-lock Tilting Mechanism, Armrests: Adjustable, Base: Nylon Base with Twin Wheel Castors preferred Make: Choice, Nilkamal, Ergoline or Approved equivalent	Nos.	6	
7	Providing and placing in position Double Seater Desk Cum Bench suitable for classrooms, comprising desk, seat and backrest integrated in a single unit. The desk top, seat and backrest shall be made of 18 mm thick Pre-Laminated Particle Board (PLPB) conforming to IS standards, with all exposed edges sealed with 2 mm thick PVC edge banding applied through hot-melt process. The supporting structure shall be fabricated from MS ERW square tube sections, main frame of 40 x 40 x 1.6 mm thick and secondary members of 25 x 25 x 1.2 mm thick, duly welded, ground smooth and treated for rust resistance before application of epoxy polyester powder coating of minimum 60 microns thickness in approved shade. The desk shall be provided with a perforated CRCA steel modesty panel made from 0.8 mm thick sheet, powder coated finish. The integrated bench shall have ergonomically designed seat and backrest. The unit shall be provided with nylon bushes/adjustable levellers at contact points with floor. Dimensions: Overall Width: 1200 mm, Overall Depth: 850 mm, Desk Height: 750 mm, Seat Height: 450 mm, Seat Depth: 300 mm, Backrest Height: 300 mm, Finish: Desk Top, Seat & Backrest: Blue shade PLPB finish. Metal Frame & Modesty Panel: White powder-coated finish. preferred Make: Choice, Ergoline or Approved equivalent	Nos.	90	
8	98 inches Smart Intelligent Display Screen: Screen Size 98" or Higher Resolution 3840 x 2160 (UHD) Brightness Minimum 440cd/m2 Contrast Ratio 1,200:1 or Higher Viewing Angle(H x V) 178 x 178 Surface Treatment Haze 25 % Min Input ports HDMI x3(with HDCP 2.2),VGA x 1, USB 3.0 x 4, USB 2.0 x1, USB(Type C x1 with power delivery and DP Alt Mode), OPS Slot x 1 Min Output Ports Audio-1(Audio out to connect additional Speakers if required), Optical SPDIF x1, HDMIx1, Touch Out USB x 2 External Control RS232C, RJ45 input and output both Built in Touch type IR	Nos.	6	

	spread /P Cap/Incell/In glass Touch Accuracy ±1mm or less Air Gap Between LCD Module & Glass Minimum 1 mm or less Protection Glass Thickness toughened glass with 9H level 7 Mohs standard Operating System Support Windows 7/8/10/Windows XP/Linux/Mac/Android (Windows XP/Linux/Mac Support one point touch) Multi touch point Min 40 Points or Higher Interactive Features White Board & Standard Interactive features, Writing, Pen, Palm Eraser, Screen Capture, Tool Bar, Dual Pen support Bluetooth connectivity Built in Standard OS Android 13.0 (EDLA) or better Key Hardware Features Minimum Internal Memory (64GB), Quad core A55 , GPU-Mali G52MP2, RAM 8GB, Wi-fi 802.11a/b/g/n/ac/ax (WIFI 6), LAN Gigabit LAN, Bluetooth 5.0 Power Supply 100-240V~, 50/60Hz Power Consumption (Typ.) 385W or less Built in Audio Power 30W(15W x 2) or higher Product Quality Certifications BIS, ISO9001, ISO14001, ISO45001, CB/NRTL, FCC CLASS "A" / CE / KC (Key software Features - Screen Share/Mira cast to Connect TAB/Mobile, Web Browser ,Wi-Fi, Apple Airplay inbuilt, Booting Logo Image Change Option, Able to connect and show up to 9 devcies wirelessly on screen, DMS software option from same OEM of display, PIP, PBP, Wake on LAN, Able to open and work on minimum 4 applications side by side on one screen at a time.) preferred Make: ViewSonic/LG/Samsung/BENQ			
9	OPS for display, minimum i7 processor, 8Gb, 512GB Processor Intel® Core™ i7-1240P, Chipsets - 1200, Memory - 8GB DDR4 MAX 64GB, Graphics - On Board Graphics, Storage - 512 GB SSD, LAN - 1 x RJ45 10/100/1000 Gigabit LAN, USB - 2 x USB 3.0, 2 x USB 2.0, Type C Port 1 x Type C - 1 x Type C, Display Port - HDMI /Rear 80 Pin Support 4K60Hz, Audio - AUDIO IN + OUT, WLAN 802.11bgn+BT, Bluetooth 5, Power - 19V 5AMP, Socket Pin - JAE 80 Pin, Software - Windows 11	Nos.	6	
10	Display Wall Mounting Material - Iron, Color - Matte Black. Finishing - Powder Coating, Rank - Heavy Duty	Nos.	6	

11	Software with minimum 3 Year subscription for MS Office, Digital teaching, AI Teaching Software with AI Tools, should have in-built whiteboard software for teaching/ training using Interactive display with features like Ai Based content Creation Tool: AI Lesson Plan Generator as per Guidelines. AI Document Summariser: Summarise, any online video, document, and image. AI Quiz Generator: Generate Quiz to any relevant took AI Image Generator: Generate Image using any text as description or draw a rough sketch to generate. AI based mathematics Equation Solve and Explain all the steps to solve. AI Chemical Equation solver and explain. Writing Tools: (Pen, thickness of pen, colours of pen, Pixels eraser and Region eraser, Shapes (Circle, Triangle, Rectangle, arrows) AI based Circle to search, draw a quick circle on any part of image to generate key concepts related to that part of image. AI Based Chat with Document. gives, a detailed insights, Summary, Quiz, and explanation on any topic. Infinite canvas with multi writing and palm erasing gesture support Background Tools: Grid, Lines, White board multiple colours, and use picture, shape). Edit: Redo/Undo, Next/Previous, Select & Drag option, Switching between single touch and multiple touch. Clear screen, List of pages with deleting option Multiscreen (divide board in 2,3, and 4 parts with background colour and different pen colour), on screen annotation. Wireless File Receiving & Sharing: Receive files wirelessly from mobile, Laptop and must be able to share Lesson as Pdf via QR Code or global access code	Nos.	6	
12	Digital podium Display size-22(55.88cm), Viewable Area (in) - 21.5, Panel Type - IPS Technology, Resolution - 1920 X 1080, Resolution type - FHD, Static Constract Ratio - 1,000:1 (typ), Dynamic Contrast Ratio - 50M:1, Light Source - LED, Brightness - 200 cd/m² (typ), Colors - 16.7 M, Color Space Support - 8 bit, Aspect Ratio - 0.672, Response Time - 5ms, Viewing Angle - 178 horizontal, 178 vertical, Backlight Life - 30000 Hrs, Curvature - Flat, Refresh Rate - 60, Blue Light - software solution, Flicker-Free - Yes, NTSC - 77% size (typ), sRGB - 108% size, Pixel Pitch - 0.248 mm (H) x 0.248 mm (V), Touch screen - Projected Capacitive, Surface Treatment - Glossy, Cover Glass Thickness - 0.7mm, COMPATIBILITY PC Resolution (max) - 1920x1080, Operating System - Windows 11, Connection - VGA: 1, USB 3.2 Type A Down Stream: 2 USB 3.2 Type B Up Stream: 1, 3.5mm Audio In: 1, 3.5mm Audio Out: 1, HDMI 1.4: 1, DisplayPort: 1, Power in: DC Socket (Center Positive) AUDIO Internal Speakers - 3Watts x2, CONTROLS Physical Controls - 1, 2, Up, Down, Power', Power On Screen Display - Auto Image Adjust, Contrast/ Brightness, Input Select, Audio Adjust, Color Adjust, Information, Manual Image Adjust, Setup Menu, Memory Recall. (Body made of plastic and steel, Front facia is made of ABS Plastic Sliding top (To left), Space for keeping laptop / lecture notes Expandable IC Card System with electronic lock - swipe card to unlock Standard size cabinet inside to keep other devices, Built-in 6 Way PDU Cable drawstring box on top, should be on Castor wheels. Capacitive Microphone (65 cm long), Double soft metal pole mic Frequency response: 100 HZ to 15 KHZ, Cardoid Directed Output Impedance: 600 OHMs, Sensitivity: -36 db, Voice Assistance: 20-50 cm. A3 Visualizer. 8MP/1080P @ 30FPS. HDMI/VGA Output. 11 LED Lights Autofocus. Supports Direct Interactivity. Live Video Recording. PC Less Operation. Supports Up to 32GB SD Card. IR Remote. Built-in Mic) preferred Make: People link / VIO / Specktron	Nos.	6	

	PC i5 with 512Gb SSD storage, 16Gb memory, windows 11, MS office preferred make: Dell/HP/Lenovo WIRELESS DONGLE: Output Resolution - Up to 1080p 60Hz, HDCP Support - HDCP 1.4, WiFi - 5G, Latency - <80ms, Transmission Distance - Up to 30m, Screen Mirror/Extend - Yes, Transmitter, Connector Type - USB-C x 1, Power Input - 5V/1A, Receiver, Connector Type - HDMI x 1, USB-A x 1, Power Input - 5V/0.5A preferred make: Optoma/ViewSonic/LG			
13	Column surface-mount loudspeaker. Transducer- (x8) 2.75-inch weather treated paper cone woofer or better. Frequency range- 90 Hz – 17 kHz or better, Rated Power - 120 watts (rms) or better. Sensitivity- 87dB or better. Coverage - 160 x 20 degrees or better. Transformer Taps (70V/100V)-60/30/15W or better. Ingress Protection - IP-54 or better. Powder coated aluminium enclosure or similar. Powder coated aluminium grille or similar. Pan-Tilt mounting bracket should be included, Coverage 6 dB – Rated 160 x 20, Horizontal x Vertical : 500Hz: 180 x 90, 1kHz: 180 x 35, 2kHz: 160 x 22, 4kHz: 180 x 20, Directivity factor-15.9, Directivity index [dB] - 12, Maximum SPL [dB] - Rated, 1m (continuous / peak) : 107/113, Recommended amplifier - 120 watts, Transformer taps / impedance - Bypass: 8Ω 7.5W (70V); 15W (100V) Tap: 666Ω, 15W (70V); 30W (100V) Tap: 333Ω, 30W (70V); 60W (100V) Tap: 167Ω, Input connector type - Euro block connector with parallel output, Operating environment - Designed for indoor or outdoor use, Operating temperature range - -4 to 122° F (-20 to 50° C), 4 nos in each classroom preferred Make: Harman/QSC/EV	Nos.	24	
14	Amplifier. Per Channel Power 200W @8Ω/4Ω or better. Support for 70V/100V or more. Power Sharing or Bridge/Parallel modes for better power distribution. Frequency Response- 20 Hz – 20 kHz or better. Signal to Noise ratio -> 100 dB or better, Input impedance - >10k, balanced or unbalanced or better, Front and Rear panel indicators for Power, signal (per channel), limit / mute / protect etc. or better. Better to have Remote standby and Power saving features - Auto-standby, 8 Ω dynamic, both channels driven - 200 W, 4 Ω dynamic, both channels driven - 200 W, 8 Ω & 4 Ω - 400 W, 70 V & 100 V - 350 W, Signal to Noise (A weighted, 20 Hz-20 kHz) - >100 dB, Input Sensitivity - 1.23 Vrms (+4 dBu), Maximum Voltage Gain - 25.0 dB, Output Circuitry - Class D, Frequency Response (20 Hz - 20 kHz) - Frequency Response (20 Hz - 20 kHz), Input Impedance - >10 kΩ (balanced), >10 kΩ (unbalanced), Maximum Input Level - 12.3V (+24 dBu), High pass Filter - Switchable 80 Hz when Bridged in 70V & 100V, Front Panel Indicators - Power, per channel signal, per, Controls - 4Ω/8Ω/70V Bridge High pass On/100V Bridged High pass On per channel pair preferred Make: Harman/QSC/EV	Nos.	6	
15	Microphones, Wireless handheld Microphones and Receiver -Microphone Type: Dynamic (moving coil), Polar Pattern: Cardioid (unidirectional), Frequency Response: 60 to 15,000 Hz, Polarity: Positive pressure on diaphragm produces positive voltage on pin 2 relative	Nos.	12	

	to pin 3 of microphone output connector, Output Impedance (at 1000 Hz): 300 ohms, Sensitivity (at 1000 Hz): -53 dBV/Pa, (2.2 mV), 1 Pascal=94 dB SPL, Electromagnetic Hum Sensitivity: 26 dB equivalent SPL in a 1 milli oersted field (60 Hz), Switch: Built-in On/Off switch, Connector: Three-pin professional audio connector (male XLR type), Case: Die cast metal handle, black matte finish; hardened silver colored, spherical steel mesh grille preferred Make: EV/Shure/Sennheiser			
16	Microphones, Wireless Lapel Microphones and Receiver -Type: Electret Condenser, Frequency Response: 50 to 20,000 Hz, Polar Pattern: Unidirectional (Cardioid), Output Impedance @1kHz, typical: 600Ω, Audio Output Level: -43.5 dBV/Pa, Signal-To-Noise Ratio[1] @ 1 kHz: 72 dB, Maximum SPL[1] 1000 Ω load, @ 3% THD: 139.0 dB, Dynamic Range[1] @ 1 kHz, 1000 Ω load: 117.0 dB, Equivalent Output Noise[1] Typical, A-Weighted: 22dB, Power Requirements: +5 V DC (nominal), 10 V maximum (DC bias) preferred Make: EV/Shure/Sennheiser	Nos.	12	

17	DSP Supply, Installation, Testing & Commissioning of Open Architecture Digital Signal Processor with 8 Flexible channels individually configurable as Mic/Line Input with Phantom Power or Line Output. GPIO Ports - 8x8 or better. AEC channels - 8 or more with 200ms tail length. Minimum 8x8 Dante channels and support for up to 64x64 Network audio channels via Dante /AES67 or similar protocol. SIP Softphone integration for Audio conferencing. USB-B & C port supporting AV USB Bridging for software or web-based conferencing applications emulating USB Audio (Speakerphone) and USB Video (Camera) driver. 24 bit-A/D-D/A converters or better, 48 kHz Sample rate or better, Input frequency response of 20 Hz to 20 kHz or better, Input dynamic range > 109 dB or better. RS232 Ports - 2 or more. The processor should support Network amplifiers without any additional cards or accessories. PROCESSOR - Intel 64-bit architecture, AUDIO PROCESSING - 32-bit floating point, Q-LAN NETWORK AUDIO TRANSPORT - 32-bit floating point, Phantom power - +48 VDC, 10 mA per input max, A/D-D/A converters - 24 bit, Sample rate - 48 kHz, Input Frequency Response - 20 Hz to 20 kHz @ +24dBu, +0.5 dB / -0.5 dB, Input THD+N @ 1kHz - @ +24 dBu sensitivity & +24 dBu input - < 0.1%, @ +24 dBu sensitivity & +10 dBu input - < 0.0015%, @ +10 dBu sensitivity & +8 dBu input - < 0.001%, @ -10 dBu sensitivity & -10.5 dBu input - < 0.001%, @ -39 dBu sensitivity & -39.5 dBu input - < 0.007%, Input to Input Crosstalk @ 1 kHz - @ +24 dBu sensitivity - 110 dB typical, 90 dB Max, @ +10 dBu sensitivity - 105 dB typical, 90 dB Max, @ -10 dBu sensitivity - 100 dB typical, 90 dB Max, @ -39 dBu sensitivity - 75 dB typical, Input Dynamic Range - @ +24 dBu sensitivity - > 109.5 dB, @ +10 dBu sensitivity - > 106.4 dB, Input Common Mode Noise Rejection @ +24 dBu sensitivity, < 51, 20 Hz - 3 kHz, < 43, 20 Hz - 10 kHz, < 36, 20 Hz - 20 kHz, @ +10 dBu sensitivity, < 57, 20 Hz - 3 kHz, < 47, 20 Hz - 10 kHz, < 41, 20 Hz - 20 kHz @ -10 dBu sensitivity, < 67, 20 Hz - 3 kHz, < 58, 20 Hz - 10 kHz, < 53, 20 Hz - 20 kHz @ -39 dBu sensitivity, < 60, 20 Hz - 3 kHz, < 54, 20 Hz - 10 kHz, < 50, 20 Hz - 20 kHz Input impedance (balanced): 7.2k Ω nominal Input sensitivity range (1 dB steps): -39 dBu minimum to +24 dBu maximum AUDIO OUTPUTS Output Frequency, 20 Hz to 20 kHz @ all settings: + 0.5 / -0.3 dB Output THD: 0.005% typical, +20 dBu max output level EIN (no weighting, 20 Hz to 20 kHz): < -121 dB	Nos.	6	
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	Output crosstalk @ 1 kHz: > 100 dB typical, 90 dB max Output dynamic range: > 108 dB Output impedance (balanced): 332 Ω CHANNEL CAPACITY Q-LAN channels: 64 x 64 Dante channels: 8 x 8 (included); up to 32 x 32 with optical license AEC channels: 8 Network peripherals: Audio recording / playback: 4 ch recording / 16 ch playback (expandable to 32 ch with optional license – available Spring 2021) Media drive capacity: Approximately 16 GB on the default drive (subject to change; upgrade options are available) CONTROL- RS-232: 2 ports, GPIO: 8 x 8, USB INPUTS & OUTPUTS USB B or C (audio), Bit depth: 16 bit, Channel count: 8 x 8, Sample rate: 48 kHz USB Audio Device Hosting: Support for standard USB headset, speakerphone on USB type A connection (one device at a time) Input- Sample rate: 48 k or 16 k, mono Resolution: 8-bit, 16-bit, 24-bit, 32-bit, float Output Sample rate: 48 k only, stereo Resolution: 8-bit, 16-bit, 24-bit, 32-bit, float ENVIRONMENTAL & SAFETY Power consumption: 40 W typical Operating temperature: 0–50°C Percent relative humidity, non-condensing: 5 to 85% BTU/heat load: 110 BTU/hour preferred Make: Harman/QSC/Biamp			
18	PTZ Camera AI based Full HD 1080p @ 60fps Presenter PTZ Tracking Camera with Dual Camera- one PTZ Camera for Presenter Tracking and second fixed lens Panoramic Camera. PTZ Presenter Camera should support min 12x Optical Zoom and 12x Digital Zoom with a Panning range of +170 deg to - 170 deg and Tilt Range of -30 to +90 Degrees, Field of View for PTZ Camera should be min 72 Degree and for Panoramic Camera min. 100 Degree, camera should support simultaneous outputs through HDMI, USB 3.0 and IP with 1x Audio In and can be controlled via RS232 and IP. Should support multiple video streams. Tracking Camera should support Everywhere Tracking, Partition Tracking, Auto Framing & Gesture Control. Should support PoE and Virtual USB Driver. Quoted model should be BIS, CE, FCC & RoHS Certified with Test Lab Reports preferred Make: Lumens/ViewSonic/Sony/Aver	Nos.	6	

19	Recorder & Streamer Local video inputs:1 - (1) 3G SDI, (2) HDMI1.4a2, (2) USB 3.0 (UVC)3 – rear panel, Video over Ethernet:3 - (1) RTSP (1) SRT (push) (2) NDI HX (1) Browser, Connectors: - (2) HDMI type A (female), (1) BNC (female), (2) USB-A (female) – rear panel, (1) RJ-45 (female), Aspect ratios: - 3:2, 4:3, 16:9, 16:10, and custom aspect ratios, Standard resolutions: - PAL, PAL wide, NTSC, NTSC wide, Input resolution range: - 640×480 to 1920×1200, Frame rate: - Up to 60 fps, Video input color spaces: - HDMI: RGB 4:4:4, YCRCB 4:2:2, YCRCB 4:4:4 SDI: RGB 4:4:4, YCRCB 4:2:2, Deinterlacing - Yes, Maximum cable length for 3G-SDI: - 300 ft, Maximum cable length for USB 3.0: 6 ft, Analog audio inputs:- (2) XLR mic level/pro line level (+4.0 dBu) up to 12.3 VRMS +24 dBu (balanced/unbalanced, mono or L/R stereo pair); phantom optional, (2) 1/4" TRS pro line level (+4.0 dBu) up to to 12.3 VRMS, +24 dBu (balanced/unbalanced, mono or two L/R stereo pairs), (1) RCA consumer line level -10 dBV (L/R stereo pair), (1) 3.5 mm stereo input for electret microphones (unbalanced), Connectors:- (2) XLR/TRS combo jacks (female), (2) RCA (female), (1) 3.5 mm (female) – rear panel, Digital audio inputs:4 - (1) SDI5, (2) HDMI, (2) USB (rear panel), (1) RTSP (from RTSP input over Ethernet), (1) SRT (from SRT input over Ethernet), Connectors: - (1) BNC (female), (2) HDMI type A (female), (2) USB-A (female) – rear panel, (1) RJ-45 (female), Audio gain control: - 0 dB to +30 dB, Audio mute:- Yes, Config Encoding profile: High, Main, Baseline durable audio delay:- -300 ms to +300 ms, Video output color space: - 4:2:0, 8 bits per color, Video codec: - H.264/AVC (ITU H.264, ISO/IEC 14496-10) 4:2:0, 8-bit color, Profile levels: 3.0, 3.1,3.2,4.0,4.1, Motion JPEG	Nos.	6	
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Network traffic shaping (multicast streams):- 4 Mbps to 95 Mbps (configurable), Analog audio output: - (1) 3.5 mm stereo headphone jack – front panel, Digital audio outputs: - RTSP and SRT audio over Ethernet, HLS audio over HTTP/HTTPS, HDMI audio (embedded), Touch screen: - 7 inch touch screen monitor (built in) resolution: 800×480, USB keyboard: - Connect a standard USB keyboard (optional), USB status light: - Connect a single USB status light (optional); supported models:, – Kuando Busy Light UC Alpha and UC Omega, – Delcom Products USB HID single-color and multi-color signal indicators, Input power rating: - 90 to 240 VAC, 47 to 63 Hz, Output power rating: - 12 VDC, 5.0 A, 60 W, Active efficiency (average): - 88%, Efficiency (10% load): - 95%, No load consumption: - 0.21 W. Encoding profile: High, Main, Baseline Bitare: 1 to 50 Mbps (selectable) Birate control: Constant Hardware accelerated video encoding: Optional Video Scaling : Software Key frames: 1/2 s and 1 s up to 5 s in 1-second intervals Remote access: Remote login for rescue troubleshooting and control. Cloud versions of the Admin panel and Epiphan Live available for Internet access. Compression: MP3, AAC, and PCM Sampling rate:MP3: 22 kHz, 44 kHz, 48 kHz AAC: 16 kHz, 22 kHz, 44 kHz, 48 kHz PCM: 22 kHz, 44 kHz, 48 kHz Bitrate: 64 to 320 kbps (MP3 and AAC) Signal types: (1) HDMI 1.4a (3) H.26/AVC digital video over ethernet Connectors: (1) HDMI, (1) RJ-45 (female)			
Streaming protocols: MPEG-TS, and FLV RTSP over TCP/UDP SRT (push) over UDP HLS (push) over HTTP/HTTPS Multi-publish to streaming server / CDN (SRT, RTSP, RTMP, RTMPS) HLS (pull) – Native Apple HTTP/HTTPS stream for iPad, iPhone and iPod Touch Multicast streams: RTP, MPEG-TS & RTP, and MPEG-TS over UDP and SAP Resolution ranges: Recorded: 480p to 1920×1200p Confidence monitoring: 480p to 1920×1200p Streamed: 480p to 1920×1200p Formats: H.264/AVC (ITU H.264, ISO/IEC 14496-10) 4:2:0, 8-bit color Encoding profile: High, Main, Baseline Profile levels: 3.0, 3.1,3.2,4.0,4.1 Motion JPEG Touch screen: 7 inch touch screen monitor (built in) resolution: 800×480			

	USB keyboard: Connect a standard USB keyboard (optional) USB status light: Connect a single USB status light (optional); supported models: Kuando Busy Light UC Alpha and UC Omega Delcom Products USB HID single-color and multi-color signal indicators			
	Touch screen: 7 inch touch screen monitor (built in) resolution: 800×480 USB keyboard: Connect a standard USB keyboard (optional) USB status light: Connect a single USB status light (optional); supported models: – Kuando Busy Light UC Alpha and UC Omega – Delcom Products USB HID single-color and multi-color signal indicators Input power rating: 90 to 240 VAC, 47 to 63 Hz Output power rating: 12 VDC, 5.0 A, 60 W Active efficiency (average): 88% Efficiency (10% load): 95% No load consumption: 0.21 W Operating temperature: 32° to 104° F (0° to 40° C) Cooling: Fan air flow: Left to right Enclosure: Metal Form factor: Portable desktop model; VESA mountable Regulatory compliance: FCC compliance: Part 15, CE compliance preferred Make: Lumens/Matrox/Epiphan			
20	UPS Supplying, erecting, testing & commissioning of ON-LINE UPS system suitable for operation on 230V, 50Hz, A/C supply, with isolation transformer all accessories complete and Excluding batteries and wiring complete. 2 kVA ON LINE UPS MORTH / Chapter 9 vol- 5 (PWD SR 2023-24/P.No.38/9.3.2) preferred Make: Numeric/APC/Luminous	Nos.	6	
21	Battery Supplying, installation, testing & commissioning of 12VDC, AH batteries in polypropylene container for U.P.S. Sealed maintenance free batteries. 150 AH capacity MORTH / Chapter 9 vol- 5 (PWD SR 2023-24/P.No.39/9.5.9) preferred Make: Exide/APC/Luminous	Nos.	12	

22	CCTV Camera Camera-Image Sensor: 1/3 inch Progressive Scan CMOS, Max. Resolution: 2560 × 1440, Min. Illumination: Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR, Shutter Time: 1/3 s to 1/100,000 s, Day & Night : IR cut filter, Angle Adjustment Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°, Lens Type: Fixed focal lens, 2.8 and 4 mm optional, Focal Length & FOV: 2.8 mm, horizontal FOV 98°, vertical FOV 54°, diagonal FOV 114°, 4 mm, horizontal FOV 78°, vertical FOV 42°, diagonal FOV 93°, Lens Mount: M12, Iris Type: Fixed, Aperture: F1.6, DORI: 2.8 mm, D: 63 m, O: 25 m, R: 12 m, I: 6 m, 4 mm, D: 78 m, O: 31 m, R: 15 m, I: 7 m, Supplement Light Type: IR, White Light, Supplement Light Range: Up to 30 m, Smart Supplement Light: Yes, IR Wavelength: 850 nm, Main Stream: 50 Hz: 20 fps (2560 × 1440), 25 fps (1920 × 1080, 1280 × 720, 60 Hz: 20 fps (2560 × 1440), 24 fps (1920 × 1080, 1280 × 720), Sub-Stream: 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360), 60 Hz: 24 fps (1280 × 720, 640 × 480, 640 × 360), Video Compression: Main stream: H.265+/H.265/H.264+/H.264, Sub-stream: H.265/H.264/MJPEG Video Bit Rate: 32 Kbps to 8 Mbps, H.264 Type: Baseline Profile, Main Profile, High Profile, H.265: preferred Make: Prama/Cp-Plus/Sparsh	Ns.	12	
23	POE Switch POE Switch Hardware, Interface - 8 x 10/100/1000BASE-T ports, Standards - IEEE 802.3 10BASE-T Ethernet, IEEE 802.3u 100BASE-TX Fast Ethernet, IEEE 802.3ab 1000BASE-T Gigabit Ethernet, Media Interface Exchange - Auto-MDI/MDI-X adjustment on all ports, Performance - Switching Fabric - • 16 Gbps, Transmission Method - • Store-and-forward, Data Transfer Rates - Gigabit Ethernet • 2000 Mbps (full duplex), • Fast Ethernet, • 100 Mbps (half duplex), • 200 Mbps (full duplex) Ethernet, • 10 Mbps (half duplex), • 20 Mbps (full duplex), Packet Filtering / Forwarding Rates - • 11.90 Mpps, MAC Address Table - 4K entries per device, Jumbo Frame Size - • 9,720 bytes, RAM Buffer - • 512 Kb, PoE - PoE Standards - IEEE 802.3af, PoE-Capable Ports - Ports 1 to 4, PoE Power Budget - 68 W (30 W max per PoE port) preferred Make: D-Link/Tplink/HP	Nos.	6	
24	Network Video Recorder Camera Channels: 8 IP Channels, Video Compression: H.265+ / H.265 / H.264+ / H.264, Video Output: HDMI (up to 4K) + VGA, Decoding Support: Multi-channel high-resolution decoding, Incoming Bandwidth: Up to ~80 Mbps (typical), Network Port: 1 × RJ-45 10/100/1000 Mbps, Storage: 1 × 2 TB HDD, Max HDD Capacity: Up to ~10TB (typical), Chassis Type: 1U Metal, Power Input: 12V DC preferred Make: Prama/CP-Plus/Sparsh	Nos.	6	

25	CCTV Display - 32 inches Display Size: 81.28cm (32), Resolution: HD 1366 X 768, Video: HDR_HDR 10 Pro: Yes, HDR_HLG: Yes, audio: Output: 5W + 5W, Speaker system: 2.0Ch, Ai Sound/Pro: Ai Sound, Ai Acoustic Tuning, Ai recommendation, LG Sound Sync: Yes, Required Bluetooth, Home Dashboard: Yes, Web Browser: Yes, Pre-loaded App: Yes, HDMI eARC: Yes, Wireless connectivity: Wi-fi: built-in-type, screenshare (Miracast) :Yes, Bluetooth: Yes, Jack Interface-HDMI In: 2, RF in: 1, USB: 1, RJ45:1, Power-Voltage, Hz: Ac 100-240 V, 50 - 60 Hz, Power consumption - 45W , Stand by - Under 0.5 W preferred Make: LG/Samsung/Benq	Nos.	6	
26	Signage board with software - 55 inches Supply, Installation, Testing & Commissioning of Display Panel - Screen Size - 55", Panel Technology - IPS, Back Light Type - Direct, Aspect Ratio - 4:09:00 PM, Native Resolution - 3,840 x 2,160 (4K UHD), Refresh Rate - 60 Hz, Brightness (Typ.) - 500 nit, Contrast Ratio - 1,100 : 1, Dynamic CR - 1,000,000 : 1, Color gamut - BT709 95%, Viewing Angle (H x V) - 178 × 178, Color Depth - 1.07 Billion Colores (10 bit (D)), Response Time - Tr : 8ms / Tf :10ms, Surface Treatment (Haze) - 28%, Key Feature - Internal Memory 16 GB, Built-in Wi-Fi, Sensor (Temperature Sensor, Auto Brightness Sensor (External IR), Acceleration (Gyro) Sensor), Local Key Operation, Built-in Speaker, webOS 6.0, Local Contents Scheduling, Group Manager, USB Plug & Play, Fail Over, Image (Bootting Logo Image, No Signal Image), Sync (RS-232C Sync, Local Network Sync), PIP, PBP (4), Screen Share, Video Tag (4), Play via URL, Rotation (Screen Rotation, External Input Rotation), Gapless Playback, Tile Mode Setting (Max. 15 × 15), Setting Data Cloning, SNMP, ISM Method, Auto Set ID, Status Mailing, Control Manager, 3rd Party Compatibility (Cisco Certi, Crestron Connected®), Smart Energy Saving, PM Mode, Wake on LAN, Network Ready, Beacon, HDMI-CEC, SI Server Setting, webRTC, Propidium, Software Compatibility – Super Sign CMS, Super Sign Control / Control+, Super Sign WB, Super Sign Cloud, Mobile CMS, Connectivity - Input - HDMI In (3, 3,840 × 2,160 @ 60Hz, HDCP 2.2/1.4), DP In (3,840 × 2,160 @ 60Hz, HDCP 2.2/1.3), RS-232C In (4 Pin Phone-jack), RJ45 (LAN) In, IR In, USB In 2.0 (Type A), Output - HDMI Out (1, 3,840 × 2,160 @ 30Hz, Input : HDMI1/2/3/DP), Accessory - Basic -Remote Controller, Power Cord, QSG, Regulation Book, Phone to RS-232C Gender, Optional - Slim Wall Mount (WB21LMA/B), Normal Wall Mount (OLW480A/B) Wall Mount Adapter (AM-B330S), Special Feature - Tilt (Facedown) - Yes (Max 30° degree, 40°C temperature), IP Rating - IP5X, Conformal Coating (Power Board) - Yes	Nos.	6	

	Life Time (Min.): 50,000 Hrs, Operation Hours (Hours / Days): 24 -- 7, Portrait / Landscape: Yes / Yes Mechanical Specification Bezel Color: Black, Bezel Width: 12.4 mm (T/B), 11.4 mm (R/L) Handle: No, VESA™ Standard Mount Interface: 300 × 300 mm Environment Conditions Operation Temperature: 0°C to 40°C, Operation Humidity: 10% to 80% Power - Power Supply: AC 100–240 V~, 50/60 Hz Power Type: Built-In Power, Power Consumption Typ./Max.: 130 W / 180 W Smart Energy Saving (70%): 91 W, DPM: 0.5 W, Power Off: 0.5 W Certification - Safety: CB / NRTL, EMC: FCC Class “B” / CE / KC ePEAT (US Only): No, ErP / Energy Star: Yes (NewErP) / Yes ISTA6: Yes (US Suffix Only), Carbon Trust: Yes (~Sep. 23y, CO2 Measured) Tilt (Facedown): Yes (Max 30° degree, 40°C temperature) IP Rating: IP5X, Conformal Coating (Power Board): Yes preferred Make: LG/Samsung/ViewSonic/Benq			
27	Equipment Rack Product Type, Heavy Duty, Material - Mild Steel, Size - 600mm W x 975mm D, finishing type - Power Coated, Front Door - Lockable Toughened Glass Door with metal border, Standard Mounting - Caster wheels (2 with Brake & 2 without Brake), Trays - 5 Nos, Fan - 2 Nos, PDU- 2 Nos - with 15-amp socket	Nos	6	
28	Supply of TR Inverter type split Air conditioners suitable for operation on A/C supply single phase 50Hz 230V with hermetically sealed inverter compressor with air cooled condenser, latest R410A/R-32 refrigerant fan motor, start & run capacitors, relay & overload protector internal unit, with one indoor & one outdoor unit The condenser unit will be placed outside the room avoid noise including standard length of suitable size copper tubing covered with nitrile rubber insulation tube. Suitable capacity 3 core sheet metal / PVC copper cable and a battery operated wireless remote unit. 5-star 1.5 Ton capacity with stabilizer preferred Make: LG/Samsung/Blue-Star/Voltas	Nos.	12	
29	Extra for Fabrication supply and fixing of Stand fabricated using slotted angle / Langle of size 6mm x 50mm for mounting outdoor / indoor A.C. unit / Batteries.	Nos.	12	
30	Supplying and installation of insulated refrigerant copper tubing of 5/8" and 3/8" with polythene foam insulation 3 core 80 stand copper wiring between indoor and outdoor unit Leak testing oil and gas charging for additional piping length of tube.	mts	70	

31	Installation charges for split type air conditioner with allied works for one indoor and one outdoor unit is to be mounted on suitable Angle Iron support up to 3.0 Ton split/cassette type A/C.	Nos.	12	
32	Supply and fixing of recess mounting LED modular down light 2'x2'-24-36W LED w luminaire comprising of pressure decast/extruded aluminium housing, with spring loaded false ceiling c/a, Power LEDs w. The lamp compartment is enclosed with anti-glare opal diffuser which enhances the lighting level LEDs are driven by HF electronic driver integrated in a separate control gear assembly., with PF > 0.95, power loss should< 5% of lamp Wage., short circuit & open circuit protection to be integrated in the circuit, THD less than 20%, Life as per LM 79. The operating input voltage should be between 130 to 275 V. along with wires, point wiring, required casing capping and switch box and switches etc	Nos	36	
33	Supply of accessories audio video cables, networking cables, connectors, usb cables, cable ties, tapes, fasteners, casing-capping, conduits etc required for the installation and commissioning of the project	Lot	1	
34	Site preparation, Installation, Testing & Commissioning of CCTV, Audio visuals, UPS, network switch, electricals, rack and all related hardware and software	Lot	1	
Part - B (Presenter Room)				
SL NO	DESCRIPTION	UNIT	Quantity	
	Presenter Room (7.8m x 5.6m)			
1	Providing & Fixing of Mineral Fibre Acoustical Suspended Ceiling System in module size of 600 x 600 x 20mm with Exposed Grid for Hospitals, shopping malls, Commercial establishments and office complexes. The tiles should have Humidity Resistance (RH) of 99%, NRC 0.7, Light Reflectance 85%, Thermal Conductivity k = 0.052 - 0.057 w/m K, Colour White, Fire Performance UK Class 0 I Class 1 (BS 476 pt- 6 & 7) with sand texture finish and suitable for Green Building application with Recycled content of 47%. The tile shall be laid on 24 mm wide T- section flanges colour white having rotary stitching on all T sections i.e. the Main Runner, 1200 mm & 600 mm Cross Tees with a web height of 38mm and a load carrying capacity of 15 kg/m2 & pull out strength of minimum 100 kg The T Sections should have a Galvanizing of 90 g/m2 and need to be installed with Suspension system. preferred Make: Saint-Gobain/Knauf/USG Boral Presenter Room (7.8m x 5.6m)	Sqm	44	

2	Providing and fixing factory-made modular acoustic wooden slat panels comprising E1 grade pine/eucalyptus fibreboard with approved laminate finish, groove-perforated acoustic slats with acoustical fleece backing, complete with proprietary framework system channels, brackets, screws, fasteners, 3 mm expansion joints, and all accessories, labour, cutting, fitting, and finishing, complete as per the manufacturer's specifications and approved drawings. Panel shall be 15 mm thick, fire-retardant, with NRC $\geq$ 0.75. preferred Make: Nishad/MMT Acoustic/Metrix or equivalent Presenter Room (7.8m x 5.6m)	Sqm	80	
3	Providing & fixing Roller Blinds of reputed make 38mm round Aluminium channel with blackout fabric, telting with chain (Ball) system with all necessary fittings and fixtures as per direction of Engineer in charge. preferred Make: Vista or Equivalent Presenter Room (7.8m x 5.6m) (1.8 X 1.2m) 6 Nos	Sqm	13	
4	Providing and laying of teak wooden polished flooring of 12mm thick, high-density timber of approved colour and design with end trims, transition, profiles, beading, 15mm thick felt, and 20-micron polyester film with 4mm thick foam underlay etc., including cost of all materials, mortar, labour, curing etc., complete as per specification. Presenter Room (7.8m x 5.6m)	Sqm	44	
5	Providing, supplying, delivering and placing in position U-shaped Conference Table suitable for conference/board room use, overall size approximately 3300 mm (W) $\times$ 8600 mm (L) $\times$ 750 mm (H) with open center configuration as per size, The table top shall be made of 25 mm thick Pre-Laminated Particle Board (PLPB) conforming to IS:12823, finished with approved shade laminate. All exposed edges shall be machine pressed and sealed with 2 mm thick PVC edge banding. The underside shall be provided with 18 mm thick PLPB modesty panels fixed rigidly to the supporting structure. The supporting framework shall consist of MS rectangular tubular sections of size 50 mm $\times$ 25 mm or equivalent, duly treated for rust prevention and finished with epoxy polyester powder coating of minimum 50 microns thickness. The structure shall be designed to provide adequate rigidity and stability under normal operating conditions. The table shall be provided with integrated cable management system, comprising cable access grommets, cable trays/raceways and provision for routing power, data and AV cables. All exposed corners shall be rounded and smooth finished for safety. The table shall be complete with adjustable nylon/PVC levellers, all necessary hardware, fittings, fasteners and accessories required for proper installation. Specifications: Type: U-Shaped Conference Table with flip up box, Overall Size: Approx. 3300 mm (W) $\times$ 8600 mm (L) $\times$ 750 mm (H), Top Thickness: 25 mm PLPB Modesty Panel: 18 mm PLPB, Edge Banding: 2 mm PVC, Frame: 50 $\times$ 25 mm MS powder-coated tubular structure, Finish: Pre-laminated finish in approved shade	Nos.	1	

	Cable Management: Integrated cable access and raceway system, Levellers: Adjustable nylon/PVC floor levellers, Seating Capacity: 24–26 persons			
6	Chairs for meeting and conference rooms : Providing and supplying High back mesh office chair with adjustable headrest, mesh backrest, moulded cushioned seat, adjustable lumbar support, gas-lift seat height adjustment, multi-lock reclining mechanism, adjustable armrests, heavy-duty nylon base fitted with twin-wheel castors, suitable for office use, complete in all respects including transportation, handling, installation and commissioning as directed by the Engineer-in-Charge. Type: Ergonomic Medium Back Mesh Chair, Headrest: Adjustable Headrest, Backrest: Breathable Mesh Back, Seat: High-density Cushioned Seat, Lumbar Support: Adjustable, Height Adjustment: Gas Lift Mechanism, Recline: Multi-lock Tilting Mechanism, Armrests: Adjustable, Base: Nylon Base with Twin Wheel Castors preferred Make: Choice, Nilkamal, Ergoline or Approved equivalent	Nos.	24	
7	Chairs for visitors: Providing and supplying visitor chair having breathable mesh backrest, upholstered cushioned seat, adjustable lumbar support, fixed armrests, and sturdy powder-coated four-leg metal frame, suitable for office, conference and visitor seating applications, complete in all respects including transportation, handling and installation as directed by the Engineer-in-Charge. Technical Specifications (Short): Mesh Backrest, Cushioned Upholstered Seat, Adjustable Lumbar Support, Fixed Armrests, Powder-Coated 4-Leg Metal Frame Floor Protectors, Load Capacity: Min. 100 kg, preferred Make: Choice, Nilkamal, Ergoline or Approved equivalent	Nos.	20	

8	110 inches Display Screen Screen Size - 110", panel technology - ADS, Back Light Type - Direct, Aspect Ratio - 16:9, Native Resolution - 3840 x 2160 (UHD), Refresh Rate - 120Hz, Brightness - 500 nits, Contrast Ratio - 1200:1, Dynamic CR - 200000:1, Color gamut - DCI-P3 88%, Viewing Angle(H X V) - 178 Deg (H) X 178 Deg (v), Color Depth - 1.07 Billion colors (8bit + FRC), Response Time - 8ms , Surface Treatment (Haze) - 1%, Life Time - 30,000 Hrs(typ), Operation Hours (Holur/Day) - 16--7, Portrait / Landscape - No / Yes , Input - HDMI x3 (HDMI1/2: HDCP 2.2/1.4, HDMI3), DisplayPort (HDCP 2.2/1.3), DVI-D (HDCP 1.4), Audio In, RS-232C (4 Pin 3.5mm), RJ45 (LAN), IR In, USB 2.0 Type-A. Output: HDMI Out, Audio Out, RS-232C Out (4 Pin Phone-jack), Daisy Chain (Input HDMI, DP, DVI / Output HDMI). MECHANICAL - Bazel Color - Black , Bezel - 17mm even bezel, Wall mount Interfere -1500 X 600 mm, KEY FEATURES - Internal Memory (eMMC) 16 GB, Built-in Wi-Fi, Sensor (Temperature Sensor, Auto Brightness Sensor, Acceleration (Gyro) Sensor), Power Indicator, Local Key Operation, webOS 6.0, Local Contents Scheduling, Group Manager, USB Plug & Play, Fail Over, Image (Booting Logo Image, No Signal Image), Sync (RS-232C Sync, Local Network Sync), PIP, PBP (4), Screen Share, Video Tag (4), Play via URL, Gapless Playback, Tile Mode Setting (Max. 15 × 15), Setting Datav Cloning, SNMP, ISM Method, Auto Set ID, Status Mailing, Control Manager, Cisco Certi, Crestron Inside, Smart Energy Saving, PM Mode, Wake on LAN, Network Ready, Beacon, HDMI-CEC2, SI Server Setting, webRTC, Propidium , Speaker - 10 WX2, Safety - CB/NRTL, FCC Class "A" / CE/KC, Remote Control, Power Cord, QSG, IR/Light Sensor Receiver, Regulation Book, 3.5mm to RS-232C Adapter preferred Make: LG/Samsung/ViewSonic	Nos.	1	
9	PC for display, minimum i7 processor, 8Gb, 512 GB Processor Intel® Core™ i7-1240P, Chipsets - 1200, Memory - 8GB DDR4 MAX 64GB, Graphics - On Board Graphics, Storage - 512 GB SSD, LAN - 1 x RJ45 10/100/1000 Gigabit LAN, USB - 2 x USB 3.0, 2 x USB 2.0, Type C Port 1 x Type C - 1 x Type C, Display Port - HDMI /Rear 80 Pin Support 4K60Hz, Audio - AUDIO IN + OUT, WLAN 802.11bgn+BT, Bluetooth 5, Power - 19V 5AMP, Socket Pin - JAE 80 Pin, Software - Windows 11	Nos.	1	
10	Display Wall Mounting Material - Iron, Color - Matte Black. Finishing - Powder Coating, Rank - Heavy Duty	Nos.	1	

11	Software with minimum 3 Year subscription Software with Ai Tools, should have in-built whiteboard software for teaching/ training using Interactive display with features like Ai Based content Creation Tool: AI Lesson Plan Generator as per Guidelines. AI Document Summariser: Summarise, any online video, document, and image. AI Quiz Generator: Generate Quiz to any relevant tool AI Image Generator: Generate Image using any text as description or draw a rough sketch to generate. AI based mathematics Equation Solve and Explain all the steps to solve. AI Chemical Equation solver and explain. Writing Tools: (Pen, thickness of pen, colours of pen, Pixels eraser and Region eraser, Shapes (Circle, Triangle, Rectangle, arrows) AI based Circle to search, draw a quick circle on any part of image to generate key concepts related to that part of image. Ai Based Chat with Document. gives, a detailed insights, Summary, Quiz, and explanation on any topic. Infinite canvas with multi writing and palm erasing gesture support Background Tools: Grid, Lines, White board multiple colours, and use picture, shape). Edit: Redo/Undo, Next/Previous, Select & Drag option, Switching between single touch and multiple touch. Clear screen, List of pages with deleting option Multiscreen (divide board In 2,3, and 4 parts with background colour and different pen colour), on screen annotation. Wireless File Receiving & Sharing: Receive files wirelessly from mobile, Laptop and must be able to share Lesson as Pdf via QR Code or global access code	Nos.	1	
12	Column surface-mount loudspeaker. (4 Nos.) Transducer- (x8) 2.75-inch weather treated paper cone woofer or better. Frequency range- 90 Hz – 17 kHz or better, Rated Power - 120 watts (rms) or better. Sensitivity- 87dB or better. Coverage - 160 x 20 degrees or better. Transformer Taps (70V/100V)-60/30/15W or better. Ingress Protection - IP-54 or better. Powder coated aluminium enclosure or similar. Powder coated aluminium grille or similar. Pan-Tilt mounting bracket should be included, Coverage 6 dB – Rated 160 x 20, Horizontal x Vertical : 500Hz: 180 x 90, 1kHz: 180 x 35, 2kHz: 160 x 22, 4kHz: 180 x 20, Directivity factor-15.9, Directivity index [dB] - 12, Maximum SPL [dB] - Rated, 1m (continuous / peak) : 107/113, Recommended amplifier - 120 watts, Transformer taps / impedance - Bypass: 8Ω 7.5W (70V); 15W (100V) Tap: 666Ω, 15W (70V); 30W (100V) Tap: 333Ω, 30W (70V); 60W (100V) Tap: 167Ω, Input connector type - Euro block connector with parallel output, Operating environment - Designed for indoor or outdoor use, Operating temperature range - -4 to 122° F (-20 to 50° C) preferred Make: Harman/QSC/EV	Nos.	4	

13	Amplifier Per Channel Power 200W @8Ω/4Ω or better. Support for 70V/100V or more. Power Sharing or Bridge/Parallel modes for better power distribution. Frequency Response- 20 Hz – 20 kHz or better. Signal to Noise ratio -> 100 dB or better, Input impedance - >10k, balanced or unbalanced or better, Front and Rear panel indicators for Power, signal (per channel), limit / mute / protect etc. or better. Better to have Remote standby and Power saving features - Auto-standby, 8 Ω dynamic, both channels driven - 200 W, 4 Ω dynamic, both channels driven - 200 W, 8 Ω & 4 Ω - 400 W, 70 V & 100 V - 350 W, Signal to Noise (A weighted, 20 Hz-20 kHz) - >100 dB, Input Sensitivity - 1.23 Vrms (+4 dBu), Maximum Voltage Gain - 25.0 dB, Output Circuitry - Class D, Frequency Response (20 Hz - 20 kHz) - Frequency Response (20 Hz - 20 kHz), Input Impedance - >10 kΩ (balanced), >10 kΩ (unbalanced), Maximum Input Level - 12.3V (+24 dBu), High pass Filter - Switchable 80 Hz when Bridged in 70V & 100V, Front Panel Indicators - Power, per channel signal, per, Controls - 4Ω/8Ω/70V Bridge High pass On/100V Bridged High pass On per channel pair preferred Make: Harman/QSC/EV	Nos.	1	
14	Microphones, Wireless handheld Microphones and Receiver -Microphone Type: Dynamic (moving coil), Polar Pattern: Cardioid (unidirectional), Frequency Response: 60 to 15,000 Hz, Polarity: Positive pressure on diaphragm produces positive voltage on pin 2 relative to pin 3 of microphone output connector, Output Impedance (at 1000 Hz): 300 ohms, Sensitivity (at 1000 Hz): -53 dBV/Pa, (2.2 mV), 1 Pascal=94 dB SPL, Electromagnetic Hum Sensitivity: 26 dB equivalent SPL in a 1 milli oersted field (60 Hz), Switch: Built-in On/Off switch, Connector: Three-pin professional audio connector (male XLR type), Case: Die cast metal handle, black matte finish; hardened silver colored, spherical steel mesh grille preferred Make: EV/Shure/Sennheiser	Nos.	2	

15	DSP Supply, Installation, Testing & Commissioning of Open Architecture Digital Signal Processor with 8 Flexible channels individually configurable as Mic/Line Input with Phantom Power or Line Output. GPIO Ports - 8x8 or better. AEC channels - 8 or more with 200ms tail length. Minimum 8x8 Dante channels and support for up to 64x64 Network audio channels via Dante /AES67 or similar protocol. SIP Softphone integration for Audio conferencing. USB-B & C port supporting AV USB Bridging for software or web-based conferencing applications emulating USB Audio (Speakerphone) and USB Video (Camera) driver. 24 bit-A/D-D/A converters or better, 48 kHz Sample rate or better, Input frequency response of 20 Hz to 20 kHz or better, Input dynamic range > 109 dB or better. RS232 Ports - 2 or more. The processor should support Network amplifiers without any additional cards or accessories. PROCESSOR - Intel 64-bit architecture, AUDIO PROCESSING - 32-bit floating point, Q-LAN NETWORK AUDIO TRANSPORT - 32-bit floating point, Phantom power - +48 VDC, 10 mA per input max, A/D-D/A converters - 24 bit, Sample rate - 48 kHz, Input Frequency Response - 20 Hz to 20 kHz @ +24dBu, +0.5 dB / -0.5 dB, Input THD+N @ 1kHz - @ +24 dBu sensitivity & +24 dBu input - < 0.1%, @ +24 dBu sensitivity & +10 dBu input - < 0.0015%, @ +10 dBu sensitivity & +8 dBu input - < 0.001%, @ -10 dBu sensitivity & -10.5 dBu input - < 0.001%, @ -39 dBu sensitivity & -39.5 dBu input - < 0.007%, Input to Input Crosstalk @ 1 kHz - @ +24 dBu sensitivity - 110 dB typical, 90 dB Max, @ +10 dBu sensitivity - 105 dB typical, 90 dB Max, @ -10 dBu sensitivity - 100 dB typical, 90 dB Max, @ -39 dBu sensitivity - 75 dB typical, Input Dynamic Range - @ +24 dBu sensitivity - > 109.5 dB, @ +10 dBu sensitivity - > 106.4 dB, Input Common Mode Noise Rejection @ +24 dBu sensitivity, < 51, 20 Hz - 3 kHz, < 43, 20 Hz - 10 kHz, < 36, 20 Hz - 20 kHz, @ +10 dBu sensitivity, < 57, 20 Hz - 3 kHz, < 47, 20 Hz - 10 kHz, < 41, 20 Hz - 20 kHz @ -10 dBu sensitivity, < 67, 20 Hz - 3 kHz, < 58, 20 Hz - 10 kHz, < 53, 20 Hz - 20 kHz @ -39 dBu sensitivity, < 60, 20 Hz - 3 kHz, < 54, 20 Hz - 10 kHz, < 50, 20 Hz - 20 kHz Input impedance (balanced): 7.2k Ω nominal Input sensitivity range (1 dB steps): -39 dBu minimum to +24 dBu maximum AUDIO OUTPUTS Output Frequency, 20 Hz to 20 kHz @ all settings: + 0.5 / -0.3 dB Output THD: 0.005% typical, +20 dBu max output level EIN (no weighting, 20 Hz to 20 kHz): < -121 dB	Nos.	1	
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	Output crosstalk @ 1 kHz: > 100 dB typical, 90 dB max Output dynamic range: > 108 dB Output impedance (balanced): 332 Ω CHANNEL CAPACITY Q-LAN channels: 64 x 64 Dante channels: 8 x 8 (included); up to 32 x 32 with optical license AEC channels: 8 Network peripherals: Audio recording / playback: 4 ch recording / 16 ch playback (expandable to 32 Ch with optional license – available Spring 2021) Media drive capacity: Approximately 16 GB on the default drive (subject to change; upgrade options are available) CONTROL- RS-232: 2 ports, GPIO: 8 x 8, USB INPUTS & OUTPUTS USB B or C (audio), Bit depth: 16 bit, Channel count: 8 x 8, Sample rate: 48 kHz USB Audio Device Hosting: Support for standard USB headset, speakerphone on USB type A connection (one device at a time) Input- Sample rate: 48 k or 16 k, mono Resolution: 8-bit, 16-bit, 24-bit, 32-bit, float Output Sample rate: 48 k only, stereo Resolution: 8-bit, 16-bit, 24-bit, 32-bit, float ENVIRONMENTAL & SAFETY Power consumption: 40 W typical Operating temperature: 0–50°C Percent relative humidity, non-condensing: 5 to 85% BTU/heat load: 110 BTU/hour preferred Make: Harman/QSC/Biamp			
16	VC Camera 4K Dual Lens Speaker Tracking PTZ Camera. The unit shall incorporate two independent imaging sensors — a motorised PTZ zoom head and a fixed panoramic camera — each utilising a 1/2.8" 8.51 MP Sony CMOS sensor. The PTZ head shall provide 12× optical zoom and 8× digital zoom, with a horizontal field of view of 81°, vertical FOV of 50.5°, and focal length range of 3.4–43.3 mm. The panoramic camera shall provide a 110° horizontal FOV. The unit shall support AI-powered speaker tracking via integrated directional sound sensors, AI motion tracking, auto-framing, and picture-in-picture (PIP) output combining both video streams. Speaker tracking shall support USB or line-level reference audio input to suppress remote-side audio interference. Video output shall be simultaneous over HDMI (PTZ: 4K@60fps; panoramic: 4K@30fps), USB 3.0 (4K@30fps, H.264/MJPEG/NV12), and Ethernet IP streaming (H.264; PTZ: 4K@30fps; panoramic: 1080p@60fps). Network protocols shall include HTTP, RTSP, RTMP, RTMPS, and SRT. Camera control shall be via RS-232, RS-422, Ethernet (VISCA/ONVIF), or USB (UVC/UAC). The unit shall support PoE+ (IEEE 802.3at, 15 W) or DC	Nos.	1	

	12 V (14 W) power input. Pan range shall be $\pm 170^\circ$; tilt range $+90^\circ$ to -30° ; preset positions shall number 256. Minimum illumination shall be 0.5 lux. BIS, CE, FCC & RoHS Certified with Test Lab Reports should be provided. (Mounts shall be supplied along with Camera) preferred Make: Lumens/ViewSonic/Sony/Aver			
17	Conference Unit 14+2 Conference Unit - Input voltage (VAC) - 100 VAC – 240 VAC, Power frequency - 50 Hz; 60 Hz, Current consumption voltage adaptor (A) - 1.9 A (100 VAC) to 1 A (240 VAC), DC voltage (V) - 24 V (6.0 A, Maximum number of discussion devices per control unit (without extension unit - 40 discussion devices per trunk 80 discussion devices in total 24 V, Maximum 5.2 A (short-circuited protected), Volume control of the discussion device's loudspeakers - 15 steps of 1.5 dB (starting from -10.5 dB), Limit threshold level to unit- 12 dB above nominal level, Gain reduction due to number of open microphones (NOM - 1/SQRT (NOM), Sample rate (kHz) - 44.10 kHz, Frequency response (-3 dB) (Hz - 30 Hz – 20,000 Hz, Ethernet speed - 1 Gb/, Nominal input (85 dB SPL) - < 0.5 %, Maximum input (110 dB SPL) - < 0.5 %, Nominal input level (dBV) (XLR) - 56 dBV, Maximum input level (dBV) (XLR)- Maximum input level (dBV) (XLR), Nominal input level (dBV) (RCA) - 24 dBV (+/- 6 dB), Maximum input level (dBV) (RCA) -6 dBV, Minimum signal-to-noise ratio (dBA - 93 dBA, Frequency response (-3 dB) (Hz) - 30 Hz – 20,000 Hz, Total harmonic distortion + noise (%) - 0.1%, Nominal output level (dBV) (RCA)- 2 4 dBV (+6/-24 dB), Maximum output level (dBV) (RCA - 6 dBV, Minimum signal-to-noise ratio (dBA) - 93 dBA, Frequency response (-3 dB) (Hz) - 30 Hz – 20,000 Hz, Total harmonic distortion + noise (%) - 0.1%, Recording/ Playback (bit rate - 64, 96, 128, 256 Kbit/sec, Recording/ Playback (sample frequency) - 44.1 kHz, Nominal output - 72 dB SPL, Frequency response - 200 Hz to 16 kHz (acoustical), Gain range - Mute -10.5 to +12 dB, preferred Make: Bosch/Audio Technica/TOA	Nos.	1	
18	UPS Supplying, erecting, testing & commissioning of ON-LINE UPS system suitable for operation on 230V, 50Hz, A/C supply, with isolation transformer all accessories complete and Excluding batteries and wiring complete. 2 kVA ON LINE UPS preferred Make: Numeric/APC/Luminous	Nos.	1	
19	Battery Supplying, installation, testing & commissioning of 12VDC, AH batteries in polypropylene container for U.P.S. Sealed maintenance free batteries. 150 AH capacity preferred Make: Exide/APC/Luminous	Nos.	2	

20	CCTV Camera Camera-Image Sensor: 1/3 inch Progressive Scan CMOS, Max. Resolution: 2560 × 1440, Min. Illumination: Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR, Shutter Time: 1/3 s to 1/100,000 s, Day & Night : IR cut filter, Angle Adjustment Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°, Lens Type: Fixed focal lens, 2.8 and 4 mm optional, Focal Length & FOV: 2.8 mm, horizontal FOV 98°, vertical FOV 54°, diagonal FOV 114°, 4 mm, horizontal FOV 78°, vertical FOV 42°, diagonal FOV 93°, Lens Mount: M12, Iris Type: Fixed, Aperture: F1.6, DORI: 2.8 mm, D: 63 m, O: 25 m, R: 12 m, I: 6 m, 4 mm, D: 78 m, O: 31 m, R: 15 m, I: 7 m, Supplement Light Type: IR, White Light, Supplement Light Range: Up to 30 m, Smart Supplement Light: Yes, IR Wavelength: 850 nm, Main Stream: 50 Hz: 20 fps (2560 × 1440), 25 fps (1920 × 1080, 1280 × 720, 60 Hz: 20 fps (2560 × 1440) , 24 fps (1920 × 1080, 1280 × 720), Sub-Stream: 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360), 60 Hz: 24 fps (1280 × 720, 640 × 480, 640 × 360), Video Compression: Main stream: H.265+/H.265/H.264+/H.264, Sub-stream: H.265/H.264/MJPEG Video Bit Rate: 32 Kbps to 8 Mbps, H.264 Type: Baseline Profile, Main Profile, High Profile, H.265: preferred Make: Prama/Cp-Plus/Sparsh	Nos.	2	
21	POE Switch POE Switch Hardware, Interface - 8 x 10/100/1000BASE-T ports, Standards - IEEE 802.3 10BASE-T Ethernet, IEEE 802.3u 100BASE-TX Fast Ethernet, IEEE 802.3ab 1000BASE-T Gigabit Ethernet, Media Interface Exchange - Auto-MDI/MDI-X adjustment on all ports, Performance - Switching Fabric - • 16 Gbps, Transmission Method - • Store-and-forward, Data Transfer Rates - Gigabit Ethernet • 2000 Mbps (full duplex), • Fast Ethernet, • 100 Mbps (half duplex), • 200 Mbps (full duplex) Ethernet, • 10 Mbps (half duplex), • 20 Mbps (full duplex), Packet Filtering / Forwarding Rates - • 11.90 Mpps, MAC Address Table - 4K entries per device, Jumbo Frame Size - • 9,720 bytes, RAM Buffer - • 512 Kb, PoE - PoE Standards - IEEE 802.3af, PoE-Capable Ports - Ports 1 to 4, PoE Power Budget - 68 W (30 W max per PoE port) preferred Make: D-Link/Tplink/HP	Nos.	1	
22	Network Video Recorder Camera Channels: 8 IP Channels, Video Compression: H.265+ / H.265 / H.264+ / H.264, Video Output: HDMI (up to 4K) + VGA, Decoding Support: Multi-channel high-resolution decoding, Incoming Bandwidth: Up to ~80 Mbps (typical), Network Port: 1 × RJ-45 10/100/1000 Mbps, Storage: 1 × 2 TB HDD, Max HDD Capacity: Up to ~10TB (typical), Chassis Type: 1U Metal, Power Input: 12V DC preferred Make: Prama/CP-Plus/Sparsh	Nos.	1	
23	CCTV Display- 32 inches Display Size: 81.28cm (32), Resolution: HD 1366 X 768, Video: HDR_HDR 10 Pro: Yes, HDR_HLG: Yes, audio: Output: 5W + 5W, Speaker system: 2.0Ch, Ai Sound/Pro: Ai Sound, Ai Acoustic Tuning, Ai recommendation, LG Sound Sync: Yes, Required Bluetooth, Home Dashboard: Yes, Web Browser: Yes, Pre-loaded App: Yes, HDMI eARC: Yes,	Nos.	1	

	Wireless connectivity: Wi-fi: built-in-type, screenshare (Miracast) :Yes, Bluetooth: Yes, Jack Interface-HDMI In: 2, RF in: 1, USB: 1, RJ45:1, Power-Voltage, Hz: Ac 100-240 V, 50 - 60 Hz, Power consumption - 45W , Stand by - Under 0.5 W preferred Make: LG/Samsung/Benq			
24	Supply and fixing of recess mounting LED modular down light 2'x2'-24-36W LED w luminaire comprising of pressure decast/extruded aluminium housing, with spring loaded false ceiling c/a, Power LEDs w. The lamp compartment is enclosed with anti-glare opal diffuser which enhances the lighting level LEDs are driven by HF electronic driver integrated in a separate control gear assembly., with PF > 0.95, power loss should< 5% of lamp Wage., short circuit & open circuit protection to be integrated in the circuit, THD less than 20%, Life as per LM 79. The operating input voltage should be between 130 to 275 V, along with wires, point wires, required casing capping and switch box and switches etc	Nos	8	
25	Equipment Rack Product Type, Heavy Duty, Material - Mild Steel, Size - 600mm W x 975mm D, finishing type - Power Coated, Front Door - Lockable Toughened Glass Door with metal border, Standard Mounting - Caster wheels (2 with Brake & 2 without Brake), Trays - 5 Nos, Fan - 2 Nos, PDU- 2 Nos - with 15-amp socket	Nos	1	
26	Supply of accessories audio video cables, networking cables, connectors, usb cables, cable ties, tapes, fasteners, casing-capping, conduits etc required for the installation and commissioning of the project	Lot	1	
27	Site preparation, Installation, Testing & Commissioning of CCTV, Audio visuals, electricals, UPS, network switch, rack and all related hardware and software	Lot	1	
Part - C (Lecture Hall)				
SL NO	DESCRIPTION	UNIT	Quantity	
	Lecturer Hall (11m x 22m)			
1	Providing & Fixing of Mineral Fibre Acoustical Suspended Ceiling System in module size of 600 x 600 x 20mm with Exposed Grid for Hospitals, shopping malls, Commercial establishments and office complexes. The tiles should have Humidity Resistance (RH) of 99%, NRC 0.7, Light Reflectance 85%, Thermal Conductivity k = 0.052 - 0.057 w/m K, Colour White, Fire Performance UK Class 0 I Class 1 (BS 476 pt- 6 & 7) with sand texture finish and suitable for Green Building application with Recycled content of 47%. The tile shall be laid on 24 mm wide T- section flanges colour white	Sqm	242	

	having rotary stitching on all T sections i.e. the Main Runner, 1200 mm & 600 mm Cross Tees with a web height of 38mm and a load carrying capacity of 15 kg/m ² & pull out strength of minimum 100 kg The T Sections should have a Galvanizing of 90 g/m ² and need to be installed with Suspension system. preferred Make: Saint-Gobain/Knauf/USG Boral Lecturer Hall (11m x 22m)			
2	Providing and fixing decorative wall panelling using approved quality 12 mm BWP/MR grade plywood fixed over a framework of seasoned plywood battens, finished with approved shade and make 1.0 mm decorative laminate bonded with approved adhesive, including screws, edge beading, cutting, fitting, necessary hardware, and all incidental works, complete in all respects as directed by the Engineer-in-Charge. Measurement shall be in square metres of finished wall panelling. Preferred Make: Arched/Century/green ply or equivalent Lecturer Hall (11m x 22m)	Sqm	193	
3	Providing & fixing Roller Blinds of reputed make 38mm round Aluminium channel with blackout fabric, tilting with chain (Ball) system with all necessary fittings and fixtures as per direction of Engineer in charge. preferred Make: Vista or Equivalent Lecturer Hall (11m x 22m)	Sqm	21	
4	Floor Acoustics as per technical specifications all required accessories to complete the functionality of the system 1.5 mm Thick Vinyl Floor with Wooden Grain will be laid with the help of Synthetic Resin making sure joints are concealed properly. All step raisers shall have Aluminium Edge profile installed with the help of screws. Lecturer Hall (11m x 22m) Seating Area	Sqm	193	
5	Providing and laying of teak wooden polished flooring of 12mm thick, high-density timber of approved colour and design with end trims, transition, profiles, beading, 15mm thick felt, and 20-micron polyester film with 4mm thick foam underlay etc., including cost of all materials, mortar, labour, curing etc., complete as per specification. Lecturer Hall (11m x 22m) Stage Area	Sqm	66	
6	Providing and constructing stepped seating platform using lightweight AAC blocks of approved density and thickness, laid in cement mortar (1:4), including cutting, shaping, filling, levelling, and finishing with 12 mm thick cement plaster (1:4) on exposed surfaces. The work shall include all necessary mortar, reinforcement at junctions (where required), curing, scaffolding, labour, tools, transportation, and complete construction as per approved drawings, and Providing and laying 150 mm (6") thick Plain Cement Concrete (PCC) in Grade M10 (1:3:6) using 20 mm nominal size graded coarse aggregate over a prepared and compacted subgrade, including mixing, laying, compacting, levelling, finishing, curing, and all materials, labour, tools, plant, transportation, and	Sqm	112	

	incidental works complete as per approved drawings Lecturer Hall (11m x 22m)			
7	Supply, installation, testing and commissioning of fixed type 21" (533 mm) C/C auditorium chairs complete with moulded polyurethane foam upholstered seat and back, injection moulded polypropylene covers, and employer-approved fabric. The chairs shall be provided with a spring-assisted self-rising tip-up mechanism, synchronized push-back sliding system with noise-reducing Nylon 66 components, Seat and back shall be mounted on high-pressure pressed plywood with ergonomically contoured polyurethane foam of density $45 \pm 5 \text{ kg/m}^3$. The structural frame shall be fabricated from ERW steel tubes conforming to IS 3074 with powder-coated steel supports, concealed anchor fixing arrangement, and formed steel base plates suitable for installation on stepped auditorium floors and maintenance-free moving components for smooth and silent operation. The item shall include supply of all materials, accessories, anchor fasteners, hardware, labour, transportation, installation, testing, commissioning, and all incidental works required for complete installation	Nos.	132	
8	110 inches Display Screen Screen Size - 110", panel technology - ADS, Back Light Type - Direct, Aspect Ratio - 16:9, Native Resolution - 3840 x 2160 (UHD), Refresh Rate - 120Hz, Brightness - 500 nits, Contrast Ratio - 1200:1, Dynamic CR - 200000:1, Color gamut - DCI-P3 88%, Viewing Angle(H X V) - 178 Deg (H) X 178 Deg (v), Color Depth - 1.07 Billion color (8bit + FRC), Response Time - 8ms, Surface Treatment (Haze) - 1%, Life Time - 30,000 Hrs(typ), Operation Hours (HOUR/Day) - 16--7, Portrait / Landscape - No / Yes, Input - HDMI x3 (HDMI1/2: HDCP 2.2/1.4, HDMI3), DisplayPort (HDCP 2.2/1.3), DVI-D (HDCP 1.4), Audio In, RS-232C (4 Pin 3.5mm), RJ45 (LAN), IR In, USB 2.0 Type-A. Output: HDMI Out, Audio Out, RS-232C Out (4 Pin Phone-jack), Daisy Chain (Input HDMI, DP, DVI / Output HDMI). MECHANICAL - Bazel Color - Black, Bezel - 17mm even bezel, Wall mount Interfere -1500 X 600 mm, KEY FEATURES - Internal Memory (eMMC) 16 GB, Built-in Wi-Fi, Sensor (Temperature Sensor, Auto Brightness Sensor, Acceleration (Gyro) Sensor), Power Indicator, Local Key Operation, webOS 6.0, Local Contents Scheduling, Group Manager, USB Plug & Play, Fail Over, Image (Bootimg Logo Image, No Signal Image), Sync (RS-232C Sync, Local Network Sync), PIP, PBP (4), Screen Share, Video Tag (4), Play via URL, Gapless Playback, Tile Mode Setting (Max. 15 x 15), Setting Datav Cloning, SNMP, ISM Method, Auto Set ID, Status Mailing, Control Manager, Cisco Certi, Crestron Inside, Smart Energy Saving, PM Mode, Wake on LAN, Network Ready, Beacon, HDMI-CEC2, SI Server Setting, webRTC, Propidium, Speaker - 10 WX2, Safety - CB/NRTL, FCC Class "A" / CE/KC, Remote Control, Power Cord, QSG, IR/Light Sensor Receiver, Regulation Book, 3.5mm to RS-232C Adapter Preferred Make: LG/Samsung/ViewSonic/Benq	Nos.	1	
9	Display Mounting Material - Iron, Color - Matte Black. Finishing - Powder Coating, Rank - Heavy Duty	Nos.	1	

10	PC for display, minimum i7 processor, 8Gb, 512 GB Processor Intel® Core™ i7-1240P, Chipsets - 1200, Memory - 8GB DDR4 MAX 64GB, Graphics - On Board Graphics, Storage - 512 GB SSD, LAN - 1 x RJ45 10/100/1000 Gigabit LAN, USB - 2 x USB 3.0, 2 x USB 2.0, Type C Port 1 x Type C - 1 x Type C, Display Port - HDMI /Rear 80 Pin Support 4K60Hz, Audio - AUDIO IN + OUT, WLAN 802.11bgn+BT, Bluetooth 5, Power - 19V 5AMP, Socket Pin - JAE 80 Pin, Software - Windows 11	Nos.	1	
11	Digital podium Display size-22(55.88cm), Viewable Area (in) - 21.5, Panel Type - IPS Technology, Resolution - 1920 X 1080, Resolution type - FHD, Static Contrast Ratio - 1,000:1 (typ), Dynamic Contrast Ratio - 50M:1, Light Source - LED, Brightness - 200 cd/m ² (typ), Colores - 16.7 M, Color Space Support - 8 bit, Aspect Ratio - 0.672, Response Time - 5ms, Viewing Angle - 178 horizontal, 178 vertical, Backlight Life - 30000 Hrs, Curvature - Flat, Refresh Rate - 60, Blue Light - software solution, Flicker-Free - Yes, NTSC - 77% size (typ), sRGB - 108% size, Pixel Pitch - 0.248 mm (H) x 0.248 mm (V), Touch screen - Projected Capacitive, Surface Treatment - Glossy, Cover Glass Thickness - 0.7mm, COMPATIBILITY PC Resolution (max) - 1920x1080, Operating System - Windows 11, Connection - VGA: 1, USB 3.2 Type A Down Stream: 2 USB 3.2 Type B Up Stream: 1, 3.5mm Audio In: 1, 3.5mm Audio Out: 1, HDMI 1.4: 1, DisplayPort: 1, Power in: DC Socket (Center Positive) AUDIO Internal Speakers - 3Watts x2, CONTROLS Physical Controls - 1, 2, Up, Down, Power', Power On Screen Display - Auto Image Adjust, Contrast/ Brightness, Input Select, Audio Adjust, Color Adjust, Information, Manual Image Adjust, Setup Menu, Memory Recall. (Body made of plastic and steel, Front facia is made of ABS Plastic Sliding top (To left), Space for keeping laptop / lecture notes Expandable IC Card System with electronic lock - swipe card to unlock Standard size cabinet inside to keep other devices, Built-in 6 Way PDU Cable drawstring box on top, should be on Castor wheels. Preferred Make: People link/VIO/Specktron	Nos.	1	
12	Column surface-mount loudspeaker. (4 Nos.) Transducer- (x8) 2.75-inch weather treated paper cone woofer or better. Frequency range- 90 Hz – 17 kHz or better, Rated Power - 120 watts (rms) or better. Sensitivity- 87dB or better. Coverage - 160 x 20 degrees or better. Transformer Taps (70V/100V)-60/30/15W or better. Ingress Protection - IP-54 or better. Powder coated aluminium enclosure or similar. Powder coated aluminium grille or similar. Pan-Tilt mounting bracket should be included, Coverage 6 dB – Rated 160 x 20, Horizontal x Vertical : 500Hz: 180 x 90, 1kHz: 180 x 35, 2kHz: 160 x 22, 4kHz: 180 x 20, Directivity factor-15.9, Directivity index [dB] - 12, Maximum SPL [dB] - Rated, 1m (continuous / peak) : 107/113, Recommended amplifier - 120 watts, Transformer taps / impedance - Bypass: 8Ω 7.5W (70V); 15W (100V) Tap: 666Ω, 15W (70V); 30W (100V) Tap: 333Ω, 30W (70V); 60W (100V) Tap: 167Ω, Input connector type - Euro block connector with parallel output, Operating environment - Designed for indoor or outdoor use, Operating temperature range - -4 to 122° F (-20 to 50° C) Preferred Make: Harman/QSC/EV	Nos.	1	

13	Amplifier Per Channel Power 200W @8Ω/4Ω or better. Support for 70V/100V or more. Power Sharing or Bridge/Parallel modes for better power distribution. Frequency Response- 20 Hz – 20 kHz or better. Signal to Noise ratio -> 100 dB or better, Input impedance - >10k, balanced or unbalanced or better, Front and Rear panel indicators for Power, signal (per channel), limit / mute / protect etc. or better. Better to have Remote standby and Power saving features - Auto-standby, 8 Ω dynamic, both channels driven - 200 W, 4 Ω dynamic, both channels driven - 200 W, 8 Ω & 4 Ω - 400 W, 70 V & 100 V - 350 W, Signal to Noise (A weighted, 20 Hz-20 kHz) - >100 dB, Input Sensitivity - 1.23 Vrms (+4 dBu), Maximum Voltage Gain - 25.0 dB, Output Circuitry - Class D, Frequency Response (20 Hz - 20 kHz) - Frequency Response (20 Hz - 20 kHz), Input Impedance - >10 kΩ (balanced), >10 kΩ (unbalanced), Maximum Input Level - 12.3V (+24 dBu), High pass Filter - Switchable 80 Hz when Bridged in 70V & 100V, Front Panel Indicators - Power, per channel signal, per, Controls - 4Ω/8Ω/70V Bridge High pass On/100V Bridged High pass On per channel pair Preferred Make: Harman/QSC/EV	Nos.	1	
14	Microphones, Wireless handheld (2 Nos) and Lapel (2 Nos) Microphones and Receiver -Handheld Microphone Type: Dynamic (moving coil), Polar Pattern: Cardioid (unidirectional), Frequency Response: 60 to 15,000 Hz, Polarity: Positive pressure on diaphragm produces positive voltage on pin 2 relative to pin 3 of microphone output connector, Output Impedance (at 1000 Hz): 300 ohms, Sensitivity (at 1000 Hz): -53 dBV/Pa, (2.2 mV), 1 Pascal=94 dB SPL, Electromagnetic Hum Sensitivity: 26 dB equivalent SPL in a 1 milli oersted field (60 Hz), Switch: Built-in On/Off switch, Connector: Three-pin professional audio connector (male XLR type), Case: Die cast metal handle, black matte finish; hardened silver colored, spherical steel mesh grille Lapel: Type: Electret Condenser, Frequency Response: 50 to 20,000 Hz, Polar Pattern: Unidirectional (Cardioid), Output Impedance @1kHz, typical: 600Ω, Audio Output Level: -43.5 dBV/Pa, Signal-To-Noise Ratio[1] @ 1 kHz: 72 dB, Maximum SPL[1] 1000 Ω load, @ 3% THD: 139.0 dB, Dynamic Range[1] @ 1 kHz, 1000 Ω load: 117.0 dB, Equivalent Output Noise[1] Typical, A-Weighted: 22dB, Power Requirements: +5 V DC (nominal), 10 V maximum (DC bias) Preferred Make: EV/Shure/Sennheiser	Nos.	1	

15	DSP Supply, Installation, Testing & Commissioning of Open Architecture Digital Signal Processor with 8 Flexible channels individually configurable as Mic/Line Input with Phantom Power or Line Output. GPIO Ports - 8x8 or better. AEC channels - 8 or more with 200ms tail length. Minimum 8x8 Dante channels and support for up to 64x64 Network audio channels via Dante /AES67 or similar protocol. SIP Softphone integration for Audio conferencing. USB-B & C port supporting AV USB Bridging for software or web-based conferencing applications emulating USB Audio (Speakerphone) and USB Video (Camera) driver. 24 bit-A/D-D/A converters or better, 48 kHz Sample rate or better, Input frequency response of 20 Hz to 20 kHz or better, Input dynamic range > 109 dB or better. RS232 Ports - 2 or more. The processor should support Network amplifiers without any additional cards or accessories. PROCESSOR - Intel 64-bit architecture, AUDIO PROCESSING - 32-bit floating point, Q-LAN NETWORK AUDIO TRANSPORT - 32-bit floating point, Phantom power - +48 VDC, 10 mA per input max, A/D-D/A converters - 24 bit, Sample rate - 48 kHz, Input Frequency Response - 20 Hz to 20 kHz @ +24dBu, +0.5 dB / -0.5 dB, Input THD+N @ 1kHz - @ +24 dBu sensitivity & +24 dBu input - < 0.1%, @ +24 dBu sensitivity & +10 dBu input - < 0.0015%, @ +10 dBu sensitivity & +8 dBu input - < 0.001%, @ -10 dBu sensitivity & -10.5 dBu input - < 0.001%, @ -39 dBu sensitivity & -39.5 dBu input - < 0.007%, Input to Input Crosstalk @ 1 kHz - @ +24 dBu sensitivity - 110 dB typical, 90 dB Max, @ +10 dBu sensitivity - 105 dB typical, 90 dB Max, @ -10 dBu sensitivity - 100 dB typical, 90 dB Max, @ -39 dBu sensitivity - 75 dB typical, Input Dynamic Range - @ +24 dBu sensitivity - > 109.5 dB, @ +10 dBu sensitivity - > 106.4 dB, Input Common Mode Noise Rejection @ +24 dBu sensitivity, < 51, 20 Hz - 3 kHz, < 43, 20 Hz - 10 kHz, < 36, 20 Hz - 20 kHz, @ +10 dBu sensitivity, < 57, 20 Hz - 3 kHz, < 47, 20 Hz - 10 kHz, < 41, 20 Hz - 20 kHz @ -10 dBu sensitivity, < 67, 20 Hz - 3 kHz, < 58, 20 Hz - 10 kHz, < 53, 20 Hz - 20 kHz @ -39 dBu sensitivity, < 60, 20 Hz - 3 kHz, < 54, 20 Hz - 10 kHz, < 50, 20 Hz - 20 kHz Input impedance (balanced): 7.2k Ω nominal Input sensitivity range (1 dB steps): -39 dBu minimum to +24 dBu maximum AUDIO OUTPUTS Output Frequency, 20 Hz to 20 kHz @ all settings: + 0.5 / -0.3 dB Output THD: 0.005% typical, +20 dBu max output level EIN (no weighting, 20 Hz to 20 kHz): < -121 dB	Nos.	1	
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	Output crosstalk @ 1 kHz: > 100 dB typical, 90 dB max Output dynamic range: > 108 dB Output impedance (balanced): 332 Ω CHANNEL CAPACITY Q-LAN channels: 64 x 64 Dante channels: 8 x 8 (included); up to 32 x 32 with optical license AEC channels: 8 Network peripherals: Audio recording / playback: 4 ch recording / 16 ch playback (expandable to 32 ch with optional license – available Spring 2021) Media drive capacity: Approximately 16 GB on the default drive (subject to change; upgrade options are available) CONTROL- RS-232: 2 ports, GPIO: 8 x 8, USB INPUTS & OUTPUTS USB B or C (audio), Bit depth: 16 bit, Channel count: 8 x 8, Sample rate: 48 kHz USB Audio Device Hosting: Support for standard USB headset, speakerphone on USB type A connection (one device at a time) Input- Sample rate: 48 k or 16 k, mono Resolution: 8-bit, 16-bit, 24-bit, 32-bit, float Output Sample rate: 48 k only, stereo Resolution: 8-bit, 16-bit, 24-bit, 32-bit, float ENVIRONMENTAL & SAFETY Power consumption: 40 W typical Operating temperature: 0–50°C Percent relative humidity, non-condensing: 5 to 85% BTU/heat load: 110 BTU/hour Preferred Make: Harman/QSC/Biamp			
16	UPS Supplying, erecting, testing & commissioning of ON-LINE UPS system suitable for operation on 230V, 50Hz, A/C supply, with isolation transformer all accessories complete and Excluding batteries and wiring complete. 3 kVA ON LINE UPS MORTH Preferred Make: Numeric/APC/Luminous	Nos	1	
17	Battery Supplying, installation, testing & commissioning of 12VDC, AH batteries in polypropylene container for U.P.S. Sealed maintenance free batteries. 150 AH capacity MORTH / Chapter 9 vol- 5 (PWD SR 2023-24/P.No.39/9.5.9) Preferred Make: Exide/APC/Luminous	Nos	2	

18	Signage board with software - 55 inches Supply, Installation, Testing & Commissioning of Display Panel - Screen Size - 55", Panel Technology - IPS, Back Light Type - Direct, Aspect Ratio - 4:09:00 PM, Native Resolution - 3,840 x 2,160 (4K UHD), Refresh Rate - 60 Hz, Brightness (Typ.) - 500 nit, Contrast Ratio - 1,100 : 1, Dynamic CR - 1,000,000 : 1, Color gamut - BT709 95%, Viewing Angle (H x V) - 178 × 178, Color Depth - 1.07 Billion Colores (10 bit (D)), Response Time - Tr : 8ms / Tf :10ms, Surface Treatment (Haze) - 28%, Key Feature - Internal Memory 16 GB, Built-in Wi-Fi, Sensor (Temperature Sensor, Auto Brightness Sensor (External IR), Acceleration (Gyro) Sensor), Local Key Operation, Built-in Speaker, webOS 6.0, Local Contents Scheduling, Group Manager, USB Plug & Play, Fail Over, Image (Bootimg Logo Image, No Signal Image), Sync (RS-232C Sync, Local Network Sync), PIP, PBP (4), Screen Share, Video Tag (4), Play via URL, Rotation (Screen Rotation, External Input Rotation), Gapless Playback, Tile Mode Setting (Max. 15 × 15), Setting Data Cloning, SNMP, ISM Method, Auto Set ID, Status Mailing, Control Manager, 3rd Party Compatibility (Cisco Certi, Crestron Connected®), Smart Energy Saving, PM Mode, Wake on LAN, Network Ready, Beacon, HDMI-CEC, SI Server Setting, webRTC, Propidium, Software Compatibility - Super Sign CMS, Super Sign Control / Control+, Super Sign WB, Super Sign Cloud, Mobile CMS, Connectivity - Input - HDMI In (3, 3,840 × 2,160 @ 60Hz, HDCP 2.2/1.4), DP In (3,840 × 2,160 @ 60Hz, HDCP 2.2/1.3), RS-232C In (4 Pin Phone-jack), RJ45 (LAN) In, IR In, USB In 2.0 (Type A), Output - HDMI Out (1, 3,840 × 2,160 @ 30Hz, Input : HDMI1/2/3/DP), Accessory - Basic -Remote Controller, Power Cord, QSG, Regulation Book, Phone to RS-232C Gender, Optional - Slim Wall Mount (WB21LMA/B), Normal Wall Mount (OLW480A/B) Wall Mount Adapter (AM-B330S), Special Feature - Tilt (Facedown) - Yes (Max 30° degree, 40°C temperature), IP Rating - IP5X, Conformal Coating (Power Board) - Yes Preferred Make: LG/Samsung/ViewSonic/Benq	Nos.	1	
19	Lighting and Wiring FRLS PVC insulated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concealed wiring system with specified IS -694:1990 & confirming to Latest amendments. With load distribution via 1.5Sqmm, 2.5 Sqmm and 4 Sqmm. WIRING FOR Lighting Circuits - using 2runs 2.5sq mm and 1x1.5sqmm POWER CIRCUITS FOR 16 A PLUG - using 2runs 4sq mm and 1x2.5sqmm , Lighting DB - using 4runs 6sq mm and 1x2.5sqmm , Power DB - using 4runs 10sq mm and 1x4sqmm, Additional Tests for FRLS-Applicable Standard Oxygen Index -IS 694-2010, Temperature Index -IS 694-2010, Smoke Density -IS 694-2010, "Test for Halogen Acid Gas evaluation -IS 694-2010, as per site requirement-Supplying 2 mm thick heavy gauge PVC conduit pipe with suitable size bends / metal / PVC junction boxes adhesive paste etc.. And running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wires where ever necessary. Note:Bidder should quote after understanding the clear requirement's of the project scope of work and consider the quantities required to complete the scope of works as per the site conditions including all the necessary materials, labour etc.	Lot	1	

20	Supply and fixing of switch and socket 6 amps one way switch modular switch / socket / stepped electronic fan regulator's / dimmer / telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 point wiring adopting loop system PVC Conduit /casing capping using 2x1.5sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) without control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. Note: Bidder should quote after understanding the clear requirement's of the project scope of work and also to consider the quantities required to complete the scope of works as per the site conditions including all the necessary materials, labour etc.	Lot	1	
21	Supply and fixing of recess mounting LED modular down light 2'x2'-34-36W LED w luminaire comprising of pressure decast/extruded aluminium housing, with spring loaded false ceiling c/a, Power LEDs with CCT 6500-degree K, CRI> 70%. efficacy > 100 lumen per W, 120degree beam spread, life> 25000 burning hours and Compliance to IS 10322/IEC 60598, LM 79 & LM 80. The lamp compartment is enclosed with anti-glare opal diffuser which enhances the lighting level LEDs are driven by HF electronic driver integrated in a separate control gear assembly., with PF > 0.95, power loss should< 5% of lamp Wage., short circuit & open circuit protection to be integrated in the circuit, THD less than 20%, Life as per LM 79. The operating input voltage should be between 130 to 275 V. BIS Approved and Tested by NABL/CPRI accredited laboratory with 2 years Warranty against any manufacturing defect working under standard electrical condition.	Nos	32	
22	Supply and fixing of LED square or round down light 15-18W round/square recess/surface mounted rolling type LED Down light with W GU 10 LED Lamp Rib Fabricated from diecast aluminium with white powder coated prewired to mains connector & has swivelling unit of aluminium die cast eye ball & LED Lamp position retained by circular wire spring, with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V @50/60Hz & Power factor >0.9 along with CE approved. 2years Warranty against any manufacturing defect working under standard electrical condition	Nos	32	
23	Equipment Rack Product Type, Heavy Duty, Material - Mild Steel, Size - 600mm W x 975mm D, finishing type - Power Coated, Front Door - Lockable Toughened Glass Door with metal border, Standard Mounting - Caster wheels (2 with Brake & 2 without Brake), Trays - 5 Nos, Fan - 2 Nos, PDU- 2 Nos - with 15-amp socket	Nos	1	

24	Supply of accessories Branded Audio Patch Cable from Microphone, Receiver to DSP, DSP to Amplifier, HDMI 4 IN/ 2 Out video Switcher -1Nos, HDMI Cable, Microphone Cable for Gooseneck Mic, Audio Cable, Power cord Patch cable-1No, HDMI M to M, 15Mtrs, usb cables, cable ties, tapes, fasteners etc required for installation	Lot	1	
25	Site preparation, Installation, Testing & Commissioning of Audio visuals, network switch, rack and all related hardware and software	Lot	1	

Lecture hall estimated electrical works:

SL. No		ITEM NO	Estimated electrical items	UNIT	QTY
PART A:					
1		2	POINT WIRING USING COPPER WIRE WITHOUT SWITCH		
			Supplying and wiring adopting loop system in existing PVC Conduit /casing capping casing capping using 2x1.5sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) without control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet.		
		2.2	point wiring using class A Materials		
		2.2.1	Short point up to 3 mts from tapping point to out let via switch box	Pts	20
		2.2.2	Medium point above 3 mts up to 6mts from tapping point to outlet via switch box	Pts	20
		2.2.3	Long point above 6 mts up to 10 mts from tapping point to outlet via switch box	Pts	20
		2.2.4	Two outlets in a row above 3mts up to 6 mts from tapping point to outlet via switches	Pts	20
		2.2.5	Three outlet in a row above 6 mts upto 10 mts from the tapping point to outlet via switches	Pts	20

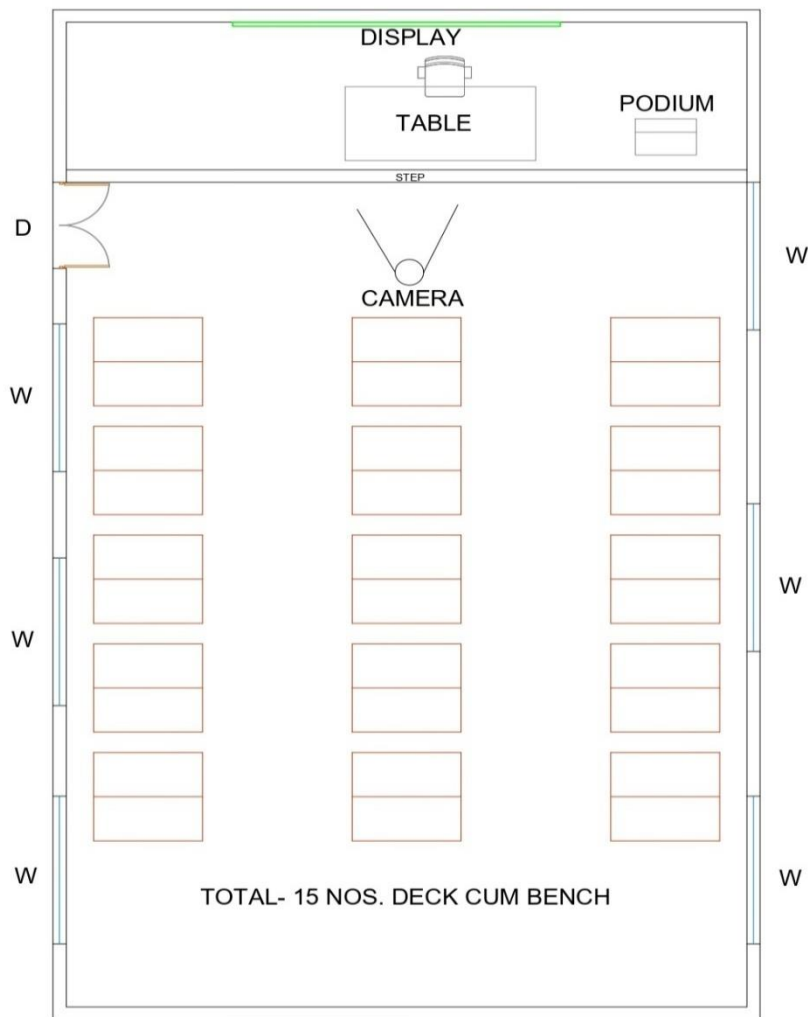
			NOTE: The length of light points where ever exceeding the specified length, the additional length quantity is considered in the wiring for lighting/power circuits section.		
2		3.3	Supplying and fixing surface/flush mounting unbreakable PVC modular box suitable for mounting modular switch plates with due groove cutting in Brick/C.C wall, including necessary Rawl plugs, Machine/NF screws etc., complete.		
		3.3.1	1 - 3Way	each	20
		3.3.2	4 - 5Way	each	20
		3.3.3	6 Way	each	20
		3.3.4	8 Way	each	20
3		3.5	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required Nos of machine screws, bolts nut etc, Complete on the existing metal box		
		3.5.1	1 to 3 Module	each	20
		3.5.2	4 Module	each	20
		3.5.3	6 Module	each	20
		3.5.4	8 Module	each	20
4		3.6	Supplying and fixing of modular switch / socket / stepped electronic fan regulator's / dimmer / telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293		
		3.6.1	6 amps one way switch	each	30

		3.6.2	6 amps two-way switch	each	10
		3.6.3	6 Amps 3-way sockets	each	30
		3.6.10	6/16 Amps universal sockets	each	30
		3.6.7	16A one way switch	each	30
		3.6.9	32A DP switch	each	10
			<u>Groove Cutting in Wall</u>		
5	2	1.3	Supplying 2 mm thick heavy gauge PVC conduit pipe with bends metal junction boxes adhesives paste etc and bracing U or J hooks and cement plastering up to the surface of the trick level and run with 18 SWG Gi fish wire run throughout the conduit wherever necessary		
	2	1.3.1	20 mm dia 2mm thick	mt	150
	2	1.3.2	25 mm dia 2mm thick	mt	150
	2	1.3.3	32 mm dia 2.5mm thick	mt	100
6	2	1.5	Supplying and fixing PVC/metal conduit deep junction box.		
	2	1.5.1	19/20mm deep junction box	each	20
	3	1.5.2	25mm deep junction box	each	20
	3	1.5.3	32mm deep junction box	each	20
			<u>Open Conduit System</u>		
7	2	1.1	Supplying 2 mm thick heavy gauge PVC conduit pipe with suitable size bends / metal / PVC junction boxes adhesive paste etc. And running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wires where ever necessary		
	2	1.1.1	20 mm dia 2mm thick	Mtr	100
	2	1.1.2	25 mm dia 2mm thick	Mtr	100
	2	1.1.3	32 mm dia 2.5mm thick	Mtr	80

		A	TOTAL OF POINT WIRING		
			WIRING FOR Lighting/Power Circuits		
1		2.3	FRLS PVC insulated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concealed wiring system with specified IS -694:1990 & confirming to Latest amendments.		
		2.3.2	1.5 Sq.mm	mt	300
		2.3.3	2.5 sq.mm	mt	300
		2.3.4	4 sq.mm	mt	200
		Note	WIRING FOR Lighting Circuits		
			using 2runs 2.5sq mm and 1x1.5sqmm		
			<u>POWER CIRCUITS FOR 16 A PLUG</u>		
			using 2runs 4sq mm and 1x2.5sqmm		
			<u>Lighting DB</u>		
			using 4runs 6sq mm and 1x2.5sqmm		
			<u>Power DB</u>		
			using 4runs 10sq mm and 1x4sqmm		
		B	TOTAL OF WIRING		
			<u>ELECTRICAL FIXTURES</u>		
1		11.3	Supplying of recess mounting non integral type LED w luminaire comprising of pressure decast/extruded aluminium housing, with spring loaded false ceiling cIA, Power LEDs with CCT 6500 degree K, CRI> 70%. efficacy > 100 lumen per W, 120degree beam spread, life> 25000 burning hours and Compliance to IS 10322/IEC 60598, LM 79 & LM 80. The lamp compartment is enclosed with anti glare opal diffuser which enhances the lighting level LEDs are driven by HF electronic driver integrated in a separate control gear assembly., with PF > 0.95, power loss should< 5% of lamp Wage., short circuit & open circuit protection to be integrated in the circuit, THD less than 20%, Life as per LM 79. The operating input voltage should be between 130 to 275 V. BIS Approved and Tested by NABL/CPRI accredited laboratory with 2 years Warranty against any manufacturing defect working under standard electrical condition.		
2		11.6.3	LED modular down light 2'x2'-34-36W	each	32

2		11.5	Supply of round/square recess/surface mounted rolling type LED Down light with W GU 10 LED Lamp Rib Fabricated from diecast aluminium with white powder coated prewired to mains connector & has swivelling unit of aluminium die cast eye ball & LED Lamp position retained by circular wire spring, with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V @50/60Hz & Power factor >0.9 along with CE approved. 2years Warranty against any manufacturing defect working under standard electrical condition		
		11.5.3	LED square or round down light 15-18W	each	32
3		14.7.1	Fixing all types and all capacities of fluorescent /false ceiling / spot light / CFL / LED fittings indoor on the wall/ ceiling / rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required Nos of round blocks and c/a.	each	64

Drawings



PLAN

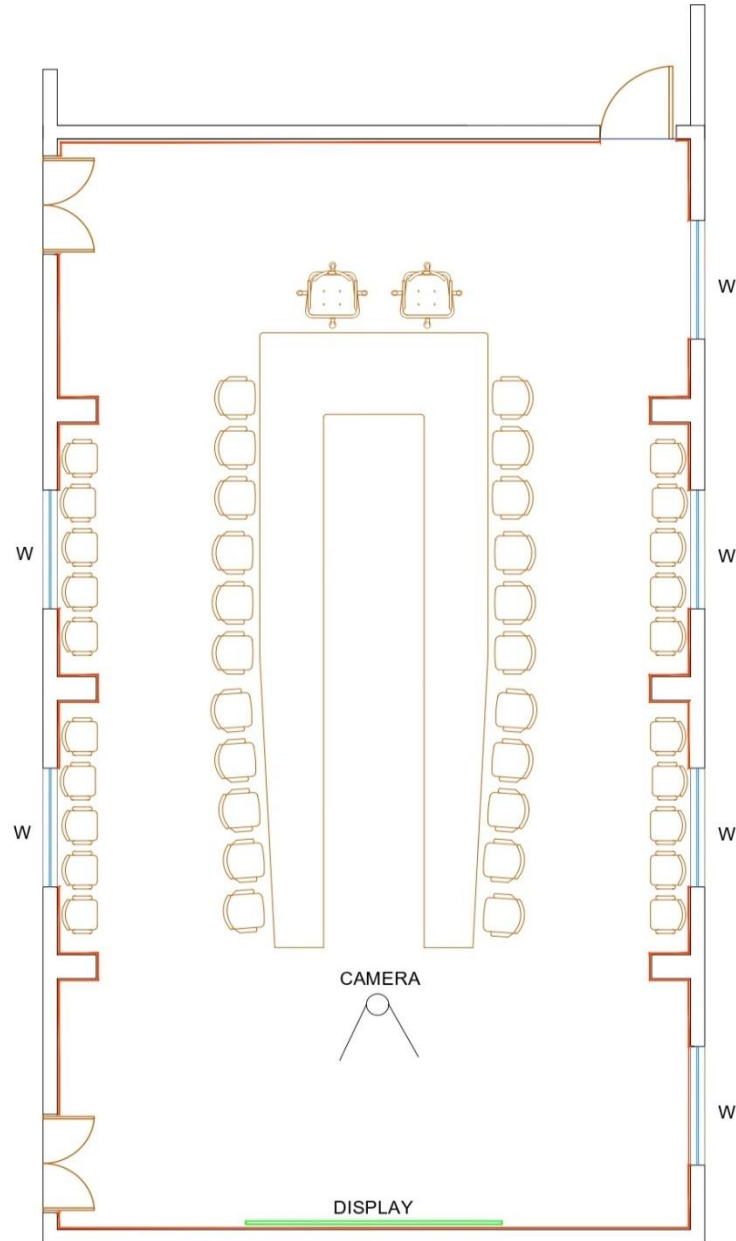
RECORDING ROOM

ROOM SIZE- 12M X9M

PROPOSED RECORDING ROOM INTERIOR WORK FOR SRI KRISHNADEVARAYA UNIVERSITY , BELLARY, KARNATAKA.



Broadcast Engineering Consultants India Limited
No.162, II Main, I Cross, AGS Layout, RMV
II Stage, Bangalore - 560094.



PLAN

PRESENTER ROOM

ROOM SIZE- 9M X16M

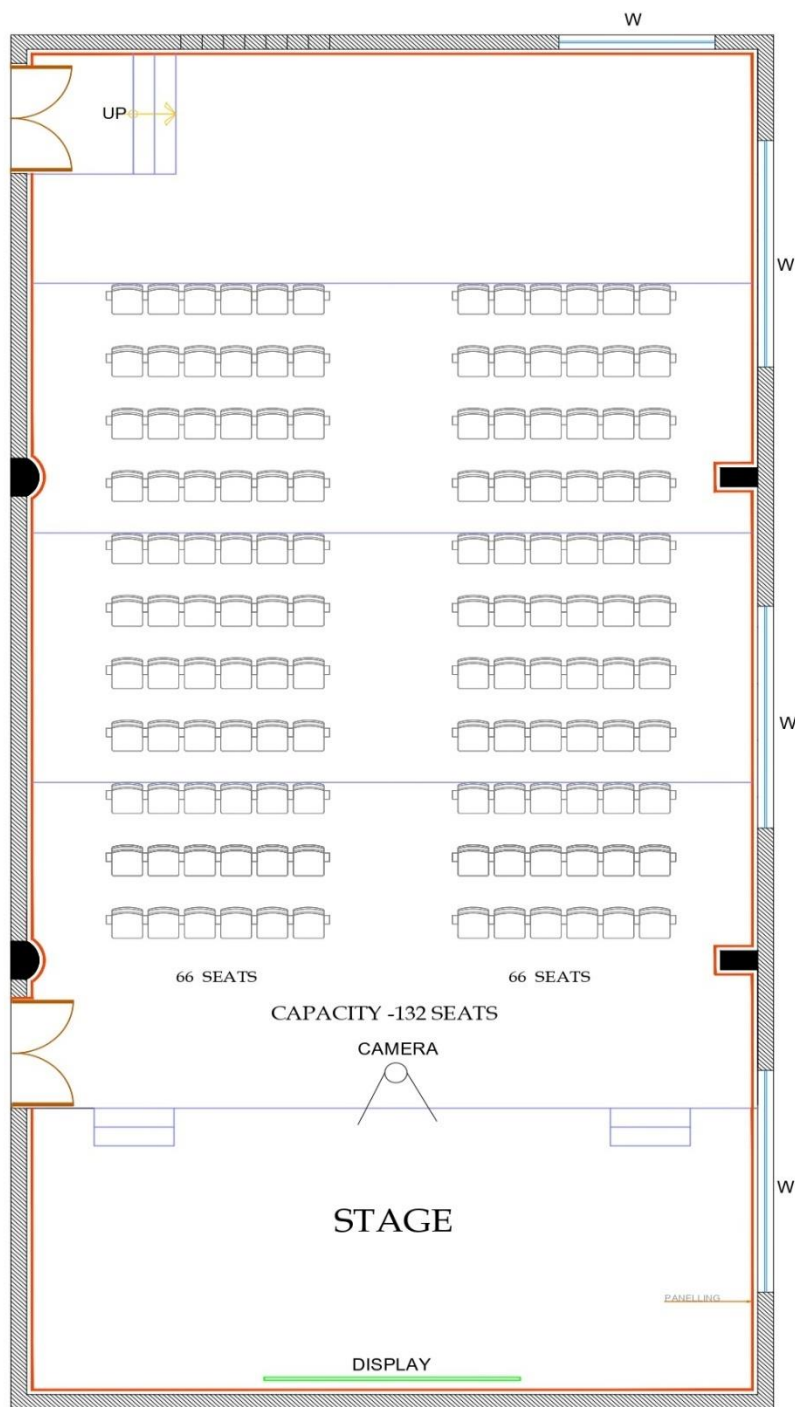
TOTAL- 24 NOS. MAIN CHAIR

TOTAL- 20 NOS. VISITOR CHAIR

PROPOSED PRESENTER ROOM INTERIOR WORK FOR SRI KRISHNADEVARAYA
UNIVERSITY , BELLARY, KARNATAKA.



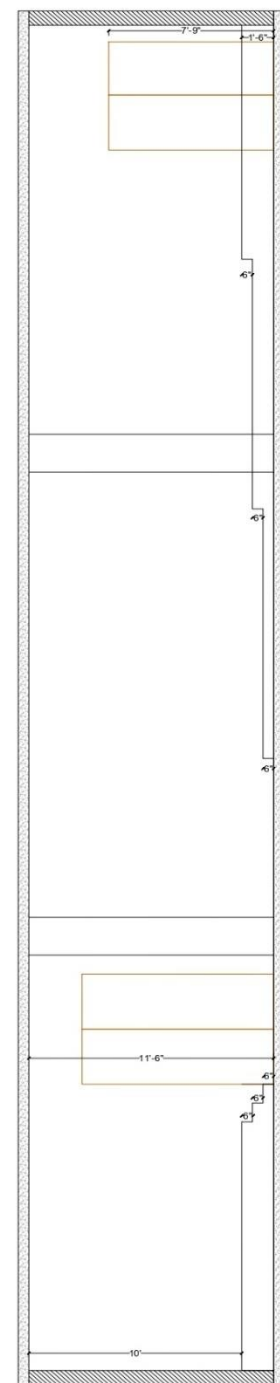
**Broadcast Engineering
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No.162, II Main, I Cross, AGS Layout, RMV
II Stage, Bangalore - 560094.



PLAN

LECTURE HALL

PROPOSED LECTURE HALL FOR SRI KRISHNADEVARAYA UNIVERSITY, BELLARY, KARNATAKA.



ROOM SIZE- 9M X21M
TOTAL- 132 NOS. CHAIR



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