



भारतीय प्रबंध संस्थान बेंगलूर
INDIAN INSTITUTE OF MANAGEMENT
BANGALORE

Computer Center

Indian Institute of Management Bangalore

Indian Institute of Management Bangalore
Bannerghatta Road, Bangalore, India
Pin Code: 560 076.

Technical and Commercial Tender for the Supply and Integration of Auditorium AV Setup



ACTIVITY SCHEDULE		
Sr. No	Activity	Details
1	TENDER SCHEDULE FOR THE TECHNICAL AND COMMERCIAL	IIMB/AV/2425/13
2	Date of Commencement of Tender documents	03-01-2025
3	Earnest Money Deposit	Rs.4,00,000/- (Rupees Four lakhs only) (EMD payment is through E-Payment, UTR Number with details should be unloaded in the Portal)
4	Due Date & time for submission of Technical and Commercial Bid	23-01-2025 3:00 PM at https://eprocure.gov.in
5	Place of Submission the Tender document	at https://eprocure.gov.in
6	Prebid Meeting Date & Details	The Prebid meeting shall be held at 3 PM on 10-01-2025 through Zoom link, which shall be shared separately. Bidders must submit their queries, if any latest, by at the given form link https://iim-b.zoom.us/join/mbGGwoN2TWGNOJZcFPwMtg
7	Date & time of opening of Technical Bid	24-01-2025 4:00 PM at https://eprocure.gov.in
8	Contact Details	Mr Dillip K Mohapatra. Computer Center INDIAN INSTITUTE OF MANAGEMENT BANGALORE Bannerghatta Road, Bangalore - 560 076 Contact#: 080-2699-3785 ccmanager@iimb.ac.in Mr Varun K Computer Centre INDIAN INSTITUTE OF MANAGEMENT BANGALORE Bannerghatta Road, Bangalore - 560 076 Contact #: 080-2699-3573 varun.k@iimb.ac.in



OVERVIEW

The Indian Institute of Management Bangalore (IIMB) is a public business school in Bangalore, Karnataka, India. Founded in 1973, it was the third IIM to be established, after IIM Calcutta and IIM Ahmedabad. It is consistently ranked as one of the best business schools in India and the Asia Pacific region. It offers a Doctoral and several Post Graduate programs and a wide array of Executive training programs. IIMB is an early adopter of educational technologies and applications. Several of the IIMB programs are offered online and hybrid for the participants. As part of the digital learning initiative, IIMB offers MOOCs in partnership with edX, SWAYAM and IIM's platform IIMBx. In addition to its primary academic programs, IIMB is also enlightening research, offering consultancy services, conducting seminars and academic conferences and publishing journals. IIM Bangalore has planned to Auditorium AV Setup Upgrade.

IIM Bangalore invites proposals for the **Technical and Commercial Tender for the Supply and Integration of Auditorium AV Setup**

PURPOSE

The purpose of this Request for Proposal (RFP) is to solicit proposals from qualified bidders for the Tender for Auditorium AV Setup Upgrade in accordance with the specifications and requirements contained herein. This Request for Proposal (RFP) will require the bidder to provide all relevant information based on multiple configurations detailed within the RFP. Information and any supplementary information provided by the bidder should be in print and digital format. Based upon the review and evaluation of proposals offered in response to this RFP, the successful bidder must Supply, Install, Test and implement the networking components, devices and related software.

Notwithstanding any other provision herein, Bidder's participation in this process is voluntary and at Bidder's sole discretion. Price will be a consideration but not the sole factor in the Company's decision to award a contractual relationship. IIM BANGALORE reserves the right to accept or reject any or all bids from specific or multiple Bidders for any reason at any time. The company also reserves the right at its sole discretion to select or reject any or all Bidder(s) in this process. It will not be responsible for any direct or indirect costs incurred by the Bidders in this process.

INVITATION

The bidders desirous of taking up the Project to supply the above product and service for IIM BANGALORE are invited to submit their technical and commercial proposals in response to this RFP. The criteria and the process of evaluating the answers to this RFP and the subsequent selection of the successful bidder will be entirely at IIMB's discretion. This RFP seeks proposals from Bidders who have the necessary experience, capability & expertise to provide IIM BANGALORE with the required equipment with support services adhering to IIM BANGALORE's requirements outlined in this RFP. This RFP is not an offer by IIM Bangalore but an invitation to receive responses from the Bidders. No contractual obligation arises from the RFP process unless and until a formal contract is signed and executed by a duly authorized official(s) of IIM Bangalore with a selected Bidder.



RFP TERMINOLOGY

Definitions – Throughout this RFP, unless inconsistent with the subject matter or context:

- Bidder/ Service Provider/ System Integrator / Original Equipment Manufacturer (OEM)
An eligible entity/firm is submitting a Proposal/Bid in response to this RFP.
- Supplier/ Contractor/ Vendor – Selected Bidder/System Integrator under this RFP.
- Company/ Purchaser/ IIM BANGALORE - Reference to the "IIM BANGALORE", "Company", and "Purchaser" shall be determined in context and may mean, without limitation, "IIM Bangalore.
- Proposal/ Bid – the Bidder's written reply or submission in response to this RFP
- RFP/Tender – the Request for Proposal (this document) in its entirety, inclusive of any Addenda that may be issued by IIM BANGALORE.
- Solution/ Services/ Work/ System – "Solution" or "Services" or "Work" or "System" means all services, scope of work and deliverables to be provided by a Bidder as described in the RFP and include services ancillary to delivery of equipment, such as Installation of equipment and configuration, and any other obligation of the Supplier covered under the RFP.
- Equipment- as specified within the technical requirement section of this RFP document.

SCHEDULES OF THE TENDER

This Tender comprises the Supply and Integration of Auditorium AV Setup Upgrade as per the specifications mentioned in the technical details.

ELIGIBILITY CRITERIA

The bid is open to all Bidders who fulfil the eligibility criteria. The minimum eligibility criteria for selecting the vendors for the purpose stated above have been listed in this section. All bidders must carefully study the pre-qualification criteria listed below and submit the bids only if they fully qualify for bidding for the relevant services.

Sr. No.	Criteria	Documents required to be attached with Technical Bid to establish eligibility
1	EMD payment details of Rupees 4,00,000 / Udyam Registration certificate (The EMD of the successful bidder will be retained until the material delivery and warranty update in the OEM site)	EMD Payment UTR upload confirmation/Bank Guarantee/ Udyam Registration certificate/Startup Recognition Certificate
2	The bidder must be a registered entity within the legal and statutory frameworks permitted in India. Specific details as specified under column 2, Documents required to be furnished. The bidder should also have been undertaking operations In India during the last 5years as of the previous financial year-end. Be a natural person, private entity, or public entity (State-owned enterprise or institution). Joint ventures and consortiums are not permitted.	Certificate of incorporation (for companies), partnership deed (for partnerships) license under shops & establishment act or other similar acts (for Proprietorships) The Bidder must be: (i) incorporated under the Companies Act, 2013, or (ii) registered as a Partnership firm or (iii) registered as an LL.P . Copies to substantiate the nature of business - Memorandum of Association/Articles of Association/Certificate of Incorporation for Companies, Partnership deed for Partnerships. If an individual, the Bidder must be a sole proprietor, with the same evidenced by a valid GST registration certificate or a certificate as a Shop or an Establishment under the Karnataka Shops and Commercial Establishments Act, 1961 or similar acts of other states.
3	The bidder shall be a reputable Indian or Multinational Company and be either an Original Equipment manufacturer or Authorized System Integrator(s) .	Attested Copy of GST Registration Certificates and Copy of PAN Card Authorization letter
4	The bidder should have an average annual turnover of Rupees 1.5Cr during the last three financial years ending 2023-24.	Copy of the CA audited Profit & Loss Statements for each of the last three financial years
5	The bidder should have the experience of completing a similar supply and Installation During the period from 1st April 2021 to 30th November 2024 One PO of Rs. 1.6 Cr, or Two POs of Rs.1 Cr each, or Three POs of Rs.0.80Cr each	PO copy(ies), Delivery & Installation confirmation with seal and signature of the customer - with contact details
6	The bidder should provide MAF (Manufacturers' Authorization Form) Certificate	Copy of the valid certificates from OEM
7	The bidder should not be blacklisted by a Central/State /Local Government Organization / Institution /SPU	Self-Declaration certification on the company letterhead with seal and Signature
8	SOW acceptance	Signed Copy of Form B
9	Annexure VII	Signed Copy of Annexure VII

BID TERMS

General

- IIM BANGALORE reserves the right to revise or alter the assignment's scope before accepting any bid. However, in such an eventuality, the bidder may be allowed to consider such changes and revise the offer if necessary.
- In case the products/ services offered deviates from the specifications of the products/ services as described in this RFP, the bidder should describe in what respect and to what extent the products/ services offered by him differ from our specifications, even if the deviation is not very material.
- Bidder must quote a rate per unit, i.e., Form B. The bidder is also expected to provide the total cost wherever applicable. Offers not indicating item-wise rates, wherever applicable, are liable for disqualification/rejection.
- The price/rate quoted by the vendor cannot be altered or changed due to escalation on account of the cost of the material. **The price/rate quoted should be exclusive of GST, and the applicable GST should be explicitly mentioned as a separate line item.**
- All the prices quoted by the bidder should be valid for a period of 90 days from the date of opening of Technical Bids.
- Bidders should ensure they meet the eligibility criteria mentioned above for offering bids.
- All Responses by the bidders to this RFP should be binding on the bidder for a period of 90 days from the Date of opening of technical bids.

Only Class-I and Class-II Local suppliers as per MII order dated 19.07.2024 will be eligible to bid. Non - Local suppliers as per MII order dated 19.07.2024 are eligible to participate. Annexure -VIII should be submitted along with the technical bid.

Submission of Proposal

- a. Bidders should log into the site well in advance of bid submission so that they can upload the bid in time, i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
- b. The bidder has to digitally sign and upload the required bid documents one by one, as indicated in the tender document.
- c. Bidders are requested to note that they should necessarily submit their financial bids in the BoQ format provided and no other format is acceptable. If the price bid has been given as a standard BoQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BoQ file, open it and complete the 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.
- d. The server time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders



should follow this time during bid submission.

- e. All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128 bit

- encryption technology. Data storage encryption of sensitive fields is done. Any bid document that is uploaded to the server is subjected to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/bid opener's public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- f. Upon the successful and timely submission of bids (i.e. after Clicking "Freeze Bid Submission" in the portal), the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.
- g. The bid summary has to be printed and kept as an acknowledgment of the submission of the bid.
- h. The bid should be submitted in 2 covers:**
- i) **Technical Bid: EMD:** (a) Copy of the UTR details for online transfer to IIMB Or Copy of the Bank Guarantee OR Udyam Registration Certificate or Startup Recognition Certificate for EMD exemption.
(b) Copies of the documents supporting Eligibility Criteria
(c) Forms & Annexures
- ii) **Financial Bid:** Bidders are requested to note that they should submit their financial bid in the BoQ format provided and no other format is acceptable.

8.1. ASSISTANCE TO BIDDERS:

- a. Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the email id varun.k@iimb.ac.in on or before 10-01-2025 11AM
- b. Any queries relating to the process of online bid submission or queries relating to CPP Portal, in general, may be directed to the 24x7 CPP Portal Helpdesk numbers.

EVALUATION OF THE PROPOSALS

IIM BANGALORE will evaluate only proposals that meet the eligibility criteria and technical eligibility. The evaluation criteria for selection shall be based on IIM BANGALORE's requirements, the proposed product's quality and durability based on market research, the ability to meet the delivery & installation schedule, and the experience of the bidders in a similar supply of the products. Also, sufficient expertise and experience of the bidders during the last five years in carrying out similar assignments for other companies and the eligibility criteria as given in the RFP will be part of the evaluation criteria.

Selection Criteria

IIM BANGALORE will award the contract to the successful Bidder, whose Proposal has been determined to be substantially responsive and has been determined as the most competent bid as per the eligibility criteria as well as commercially lowest, provided further that the bidder is determined to be qualified to perform the assignment satisfactorily. However, IIM BANGALORE shall not be bound to accept the lowest or any bid. In accordance with the above, IIM BANGALORE unequivocally reserves the right to accept any bid, wholly or in part. The final selection of the bidder will be based on a techno-commercial evaluation of the proposals of the eligible bidders.



Bid Evaluation

For the purpose of selection of the bidder, a two-bid system evaluation process will be followed. The response to the tender should be submitted in two parts viz. Technical Bid & Financial Bid. Evaluation will be done strictly on Eligibility Criteria and Technical Specification as mentioned in this tender.

The Technical Evaluation Committee constituted by the IIM Bangalore shall verify the particulars furnished by the bidder independently and shall examine the bids to confirm that all documents pertaining to the Eligibility Criteria and Technical evaluation Criteria have been provided and shall ascertain the completeness of each document submitted. If any of these documents or information is missing, IIM Bangalore reserves the right to call upon the missing documents/ Clarification on the submitted documents from the Bidders or reject the bid on account of unresponsive bid and the rejected bids will be ignored for the further evaluation purpose.

Only those bidders who fulfil the minimum eligibility criteria to participate in this bid will be considered for the further evaluation purpose i.e., Technical Score Evaluation.

Technical Score (Ts) will be assigned out of 100 marks as per the details given in Table below, only those bidders who score a minimum of 70 marks as per the below mentioned table will be considered for further evaluation of the financial bid. It may be noted that technical score evaluation will be for the purpose of qualification only.

A comparative chart of the Financial Bids of the qualified bidders will be made and the bidder who has quoted the total lowest as per the BOQ will be treated as successful/L1 bidder and Contract will be awarded as per the terms and conditions of the tender.

The details submitted by the bidder will be evaluated in the following manner.

S.No.	Criterion	Marks				Max Marks (100)
		Min. No. of Projects	Govt/PSU	Private		
1	Number of similar projects in last years					20
		Projects of value 1.6 cr & More	1	8	10	
		Projects of value 1 Cr & More	2	3	5	
		Projects of value 0.80 Cr & More	3	2	3.5	
		Max Marks		20		
2	Average Annual Turnover	1.5 Cr to 2.5 Cr – 5 Marks 2.5 Cr to 3.5 Cr – 8 Marks 3.5 Cr and above – 10 Marks				10
3	Understanding of Project requirements	1) Integrated Project Management Plan Covering the Entire Scope of Work (12 Marks) 2) Audio-Visual System Design: Ensure the right selection and design of sound, video, LED wall & control systems based on the auditorium's purpose. (12 Marks) 3) Technology Integration and Control: Design seamless integration of AV components with control systems for easy customization and management of different event types and needs. (6 Marks)				30
4	Technical Presentation	The Technical Presentation should cover all the Scope of works and the Bidders approach to successfully implement the same for Project duration, Need to be submitted in PDF format in the technical bid. The presentation details should adhere to the Point 8.1				20
5	Technical Manpower	1) Educational Background & Certifications: Relevant degrees in Electrical/Electronics Engineering or AV-related fields. Certifications like CTS-D CTS-I (Certified Technology Specialist) or specialized AV certifications from AVIXA. 2) Experience & Technical Skills: Hands-on experience in AV system installation, maintenance, and troubleshooting. Proficiency with AV equipment (audio/video, lighting), system integration, and AV control system programming.				20

Note: Documents in support of the all the Sl.Nos above should be submitted along with the Technical bid.

8.1 Technical presentation

The presentation may be offline or online. The presentation should not be more than 15 slides and will be for 20 minutes to be followed by queries from IIMB team. The presentation should cover:

Sl. No	Particulars	Marks
1	Understanding/Capability/Reference	3
2	Implementation and Methodology	6
3	Manpower details and Project timeline	4
4	Reputation /Training and Documentation details	3
5	Adherence to the tender SOW/Compliance	4

Payment Terms:

- The 100 % payment will be released after the successful completion of the Delivery and installation.
- Bank Details: The bidders must submit their bank details along with the Tender document. The bank details must be submitted on their company letterhead, duly attested by the company's authorised person and the banker. The bank details should be accompanied by a cancelled cheque duly attested by the banker. (Format of bidder bank detail is as per Annexure - VI)

Liquidated damages:

If the contractor/supplier fails to deliver any or all of the Goods or fails to perform the incidental Works/ Services (e.g. installation, commissioning or operator training) within the time frame(s) incorporated in the contract, IIMB shall, without prejudice to other rights and remedies available under the contract, deduct from the contract price, as agreed liquidated damages, but not as a penalty, a sum equivalent to the ½% percent of the delivered price (including elements of GST & freight) of the delayed Goods and/ or incidental Works/ Services for each week of delay or part thereof until actual delivery or performance, subject to a maximum deduction of the 10% of the delayed Goods' or incidental Works/ Services' contract price(s). Once the maximum is reached, IIMB may consider termination of the Contract for Default.

Earnest Money Deposit (EMD):

Interested Bidders are requested to pay the EMD for an amount of Rs. 4,00,000/- (Rupees four lakhs Only) should be submitted through NEFT or RTGS in favor of Indian Institute of Management Bangalore or through Bank Guarantee(as per **Annexure-VI**). If the bidder submits the EMD through Bank Guarantee, such bank guarantee shall be valid for the period of 120 days from the date of opening of the Technical Bid. The scanned copy of the BG should be uploaded with the technical Bid. The original Bank Guarantee must be delivered to address mentioned below on or before bid submission date and time failing which the bid shall be rejected.

Senior Manager,
Tendering & Contracts
Indian Institute of Management
Bannerghatta Road
Bangalore-560076



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INDIAN INSTITUTE OF MANAGEMENT
BANGALORE

Bank details for NEFT/RTGS transfer to IIMB

Bank Name	: HDFC Bank Ltd
Bank Street Address	: J.P. NAGAR BRANCH, BANGALORE
Branch Code	: 0133
IFSC CODE	: HDFC0000133
Customer HDFC Bank a/c name	: Indian Institute of Management
Customer HDFC Bank a/c number	: 01331450000019

Copy of Bank guarantee or UTR details for NEFT/RTGS transfer should be enclosed with the technical bid.



A) Exemption from Payment of EMD:

i) Micro and Small Enterprises (MSEs) who are holding valid Udyam Registration and are manufacturer of the offered Product (Primary Product in case of bunch bid with total value wise evaluation) and give specific confirmation to this effect at the time of bid submission and claim EMD exemption and whose credentials are validated online through Udyam Registration website of Ministry of MSME and also through supporting document uploaded along with the Technical bid.

ii) Start-ups as recognized by Department for Promotion of Industry and Internal Trade (DPIIT), holding valid Startup Recognition Certificate which is to be uploaded along with the technical bid and claiming EMD exemption and to be validated by the Buyer. Bidder to ensure that turnover for any of the financial years has not exceeded beyond limits prescribed in the certificate / Start Up scheme of DPIIT.

Note: There is no exemption to MSE/Startup with respect to years of experience and financial turnover as set in the Eligibility Criteria.

iii) The bidders who seek exemption from EMD as per (i) above, if they withdraw or modify their bids during the period of validity, or if they are awarded the contract and they fail to sign the contract, or to submit a performance security before the deadline defined in the request for bids document, they will be suspended for the period of three years or as decided by the competent authority from being eligible to submit bids for contracts with the entity that invited the bids.

B) EMD of unsuccessful bidders will be returned within 30 days of finalization of the tender. EMD of the successful bidder will be returned only after receipt of performance security.

C) The amount of EMD (if any) is liable to be forfeited if the tenderer withdraws from the offer after submission of the tender or after the acceptance of the offer and fails to remit the Performance Bank Guarantee.

D) No interest will be paid on the EMD.

Performance Security / Performance Bank Guarantee (PBG):

The successful bidder must submit Performance Security / Performance Bank Guarantee (PBG) within two weeks of the issue date of the order. The PBG will be 5% of the total order value. The performance security must be valid for Five years and three months from the date of acceptance of successful installation by IIM Bangalore. Performance security may be furnished in the form of Bank Guarantee issued by a scheduled commercial bank in India (preferably nationalized bank) in favor of "IIM BANGALORE" or payment through RTGS / NEFT in the following bank details:

Bank Name	: HDFC Bank Ltd
Bank Street Address	: J.P. NAGAR BRANCH, BANGALORE
Branch Code	: 0133
IFSC CODE	: HDFC0000133
Customer HDFC Bank a/c name	: Indian Institute of Management
Customer HDFC Bank a/c number	: 01331450000019

No interest will be payable by IIM Bangalore on the Performance Security deposited. The Earnest Money Deposit (EMD) of the successful bidder shall be returned on receipt of Performance Security (Performance Bank Guarantee / PBG).

Note:

- Bids for each product should be submitted in the relevant Forms as given below.
- Please register at <https://eprocure.gov.in>



TECHNICAL PROPOSAL

FORM 'A'

BIDDER'S PARTICULARS

1	Name of the Company			
2	Registered Office Address			
3	Year of Incorporation			
4	In the business of computer hardware, since (the year)			
5	Corporate Profile: Chairman, Managing Director /Directors, Owners, Partners etc.			
6	Details for Correspondence: Contact Person's Name Designation Address & Telephone No/s, E-mail ID			
7	Whether your company is registered under Municipal Act or Karnataka Govt. Shops and Establishment (Give Regn. No.)			
8	Income tax no. PAN & GST *			
9	Financial Details (for last three years) *	2021-22	2022-23	2023-24
	a. Turnover (Rs. In lakhs)			
	b. Profit after Tax (Rs. In lakhs)			
10	Employee Profile:(Technical) a) Service Engineers count			
12	If the bidder is an Authorized Partner/Dealer, mention the name of the principal company (OEM) and the relationship, like distributor, dealer, etc. *			

* Please attach copies of certificates issued by the principal company in this regard

Note:

a) The bidder should attach the relevant documents related to financial details such as audited balance-sheet and Profit and loss statement etc.

Date:

Signature:

Place:

Name & Designation:

Seal of the Company:

Technical Details

Active LED Wall

Sr. No	Description	UoM	Qty
1	Active LED Video wall / All in one LED video wall with controller	Package	1

Video

Sr. No	Description	UoM	Qty
1	UltraHD PTZ camera	Nos	6
2	4K Ultra HD live production switcher with a built in broadcast control panel	Nos	1
3	4K Camera recorder	Nos	1
4	Web Streamer 4K	Nos	1
5	PTZ Camera Joystick with NDI	Nos	1
6	12G-SDI to HDMI broadcast quality converter	Nos	3
7	HDMI to 12G-SDI broadcast quality converter	Nos	3
8	Three Input 4K/60 Switcher	Nos	1
9	Matrix Switcher 8 input x 8 output 4 Flex I/O	Nos	1
10	4K HDMI and Audio to USB Scaling Bridge	Nos	1
11	HDMI Receiver	Nos	3
12	Control Processor	Nos	1
13	Decorator-Style Wallplate	Nos	1
14	4K Wireless Presentation Device	Nos	1
15	Twisted Pair USB Transmitter	Nos	2
16	Twisted Pair USB Receiver	Nos	1
17	USB Matrix Controller	Nos	1
18	Wired touchscreen 10" capacitive touchscreen	Nos	1
19	13" iPad Pro for controlling wirelessly	Nos	1
20	Head Set	Nos	2
21	Cat6 A Cable : Shielded Twisted Pair Cable-Non-Plenum	Lot	1
22	Cat6 Cable : UnShielded Twisted Pair Cable-Non-Plenum	Lot	1
23	DisplayPort to HDMI Cable 3M Cable	Nos	2
24	High Speed HDMI Cables- 1.8Meter	Nos	14
25	High Speed HDMI Cables- 10.6 Meter	Nos	5
26	USB Cable:USB C to C 4.5 meters	Nos	6
27	USB Cable:6' USB 2.0 A to A (Male) Molded Cable	Nos	2
28	USB-B to USB- A Cable	Nos	3
29	USB- C to USB A Cable	Nos	3
30	15A Standard Power Conditioner	Nos	4
31	4K UHD Video Coax, 12Ghz, RG-6/U	Lot	1
32	42 U rack for housing of all wires and accessories	Nos	1
33	Laptop	Nos	1
34	Resolume Arena 7 Software (licence)	Nos	1

Audio

Sr. No	Description	UoM	Qty
1	Powered Line array Loudspeaker 12" with Two Way	Nos	8
2	Line array loudspeaker Frame	Nos	2
3	Custom wall mount suspension Bracket	Nos	2
4	Subwoofer Powered 18-inch	Nos	4
5	Mounting Bracket for subwoofer	Nos	2
6	Front fill loudspeaker 6.5-inch 2-way,	Nos	5
7	Stage Monitor 2 Way Active loudspeaker	Nos	5
8	Control Room 4.5-inch 2-way	Nos	2
9	Wired 60cm gooseneck microphone	Nos	2
10	Digital Wireless handheld Microphone	Nos	8
11	Two-channel digital half-rack Dante enabled receiver	Nos	6
12	Digital Wireless bodypack transmitter	Nos	4
13	Wireless lapel condenser microphones	Nos	2
14	Wireless Headworn microphone	Nos	2
15	Wired Instrumental Microphone	Nos	2
16	Wired Vocal microphone	Nos	4
17	9 microphone drum kit	set	1
18	2x 2-way passive antenna splitter.	Nos	1
19	1:4 Active Antenna Splitter/combiner	Nos	2
20	Passive directional UHF antenna	Nos	2
21	Antenna booster	Nos	2
22	Rechargeable battery pack for handheld and bodypack transmitter.	Nos	12
23	Network enabled 2 bay charger for handheld and Bodypack transmitter	Nos	6
24	Four-channel Network Amplifier	Nos	1
25	Digital Signal Processor	Nos	1
26	DSP Input Expender	Nos	2
27	Digital live audio Mixing Console	Nos	1
28	16-Channel Dante Stage box	Nos	1
29	Long Microphone Stand	Nos	6
30	Short Microphone Stand	Nos	7
31	24 port poe+ network switch.	Nos	3
32	Modular PressBox	Nos	1
33	Active DI Box	Nos	4
34	Junction box with 6 x RJ45 ; 1 x HDMI ; 4 x XLR ; 2 x 15 Amp Power .	Nos	1
35	Junction box with 2 x XLR AND 2X power.	Nos	3
36	Connectors and Patch Chords	Lot	1
37	Microphone cable	Lot	1
38	2 core speaker cable	Lot	1
39	Team communication intercom headset system	Nos	1

Scope of work:

IIMB Auditorium - AV Scope of Work

1. All equipment and devices must be covered by an on-site warranty for a period of 5 years.
2. Should provide shop drawings, schematics, POC and detailed timeline during the technical evaluation.
3. All the necessary prerequisites for the project completion should be clearly notified during the technical evaluation (Electrical, Estate & Network/IT).
4. Should deliver all the equipment's within 5 weeks of the PO date.
5. Shop drawings should be prepared and submitted for installation of: LED wall, line array speakers, front fills speakers, stage monitors, stage boxes, cameras, and AV room equipment, each section should be shown separately.
6. AV Schematic should be prepared and submitted: Audio flow, Switching & video flow, USB AV conference, Live streaming & camera, Antena and splitter and Control separately.
7. Total number of days for completion of project is 5 days which includes, cable laying, physical installation, programming, testing and Handover
8. Successful contractor needs to remove all the existing installed AV system without any damage and hand over to IIMB.
8. Should Implement a consistent labeling that includes clear, readable identifiers for each cable (e.g., source device, destination device, cable type, and number).
9. Should prepare/solder microphone cables with connectors and provide for use of wire mics and DI boxes as required.
10. Should show floor box and other custom equipment's or brackets sample before delivering and get approval by IIMB.
11. Should provide timeline for resolving warranty claims, including time for inspections, parts availability, and repair/replacement processes.
12. The vendor shall provide Service desk availability from 9:00 AM to 6:00 PM (Monday to Saturday) with 30 minutes of response SLA and one-day resolution SLA.
13. Should provide training with HOD which includes detailed summary of assets, schematics, program backup ,user manuals and escalation matrix after completion of the project.
14. Casing capping is integrator scope of work. IIMB will help with electrical and Carpentry support.
15. For information.
 - 3 - Podium Inputs (HDMI x Podium PC, HDMI x Laptop, USB-C x Laptop)
 - 1- Left side floor box Input (HDMI x PC or laptop)
 - 2- AV room Inputs (HDMI x Laptop, USB –C x Laptop)
 - 5 - Outputs (HDMI x Preview monitor, HDMI x Side monitor, HDMI x Side monitor, HDMI x LED Wall, HDMI x LED Wall)
 - 2 - Other I/O (1x Matrix switcher to Video switcher , 1x Video switcher to matrix switcher, 1 x video switcher to USB bridge, 1 x video switcher to recorder).
16. Any Additional material and services other than those mentioned in the BOQ should be included in Miscellaneous. The breakup list should be submitted along with the technical bid. The cost of all necessary devices, cables, connectors, and any other equipment and should be included in the Bill of Quantities (BOQ) under the Miscellaneous section.

Active LED/ All-in-one LED

1. Conduct a thorough site survey to determine installation requirements (measurements, power supply, and structural considerations).
2. Should securely mount the LED panels, ensuring proper alignment and viewing angles. Install power, data cables, and ensure neat organization to avoid signal interference and ensure safety.
3. Ensure proper airflow is there for optimal LED wall performance and safety.
4. Perform color calibration, brightness adjustment, and pixel alignment for consistent image quality across the display.
1. Integrate the LED wall with AV system for ON/OFF control through touch panel.

Control System

2. Control processor must support touch panels and iPads .
3. Should create multiple audio presents (Speech, Cultural and conference)
4. Should control ON/OFF multiple Ethernet-enabled AV devices such as LED wall, displays, speakers, amps, cameras, livestreaming, AV switchers, Live audio mixer and sources.
5. Test command functionality for controlling devices (e.g., power on/off, volume control, input switching).
6. Must create multiple layers of user interface in the touch panel as per IIMBs requirements.

Audio

1. Primary audio flow should be through Dante, all the system such as mixer, DSP/processor, mics, stage box, speakers should be configured with Dante. Analogy audio connectivity also should be done as backup for all the above equipment's.
2. Conduct a site survey to assess the ceiling /wall structure, available space, and any obstructions. This should also involve measuring the acoustic properties of the room.
3. Should be able to achieve the good audio with two cluster (line array -Left and right)
4. Calibrate the system for optimal sound quality and coverage in the room, adjusting for speaker delays, and EQ settings.
5. Should Secure installation of the speakers using appropriate rigging hardware and suspension points on the ceiling.
6. Play different types of audio content (e.g., speech, music, sound effects) to verify the clarity and intelligibility of sound. Test for any noticeable distortion, hums, buzzes, or unwanted noise.
7. Perform a safety check to ensure all speakers are securely mounted (mounting brackets, suspension cables, and other rigging hardware).

Wireless Handheld/ lapel/ headset Microphones

1. Handheld microphones should support vocal, speech, conference and performance scenarios.
2. Antennas (if external) for the receiver system to ensure optimal signal reception and minimize interference (e.g., avoid obstructions, orient antennas vertically or in a suitable direction).
3. Test each microphone and receiver combination to verify signal strength and quality. Ensure that the microphones receive clear signals without dropouts or interference.
4. Test the microphones for clarity, volume consistency, and range. Walk around the venue or stage to ensure audio coverage is uniform without dropouts.

Streaming, Recording, live video mixer & camera

1. Conduct a site survey to assess the area for camera placement.
2. Mount PTZ cameras in optimal positions (e.g., stages, audience, speakers).
3. Calibrate each camera for optimal focus, exposure, and framing.
4. Configure camera presets for key positions (e.g., wide shot, close-up, audience view, presenter focus).
5. The camera should move smoothly and consistently from one side to the other without any jerky movements.
6. Camera should not lose focus or image clarity while panning.
7. Should verify the recorded footage matches the live feed in terms of clarity, color, and motion.
8. Test streaming at different bitrates and resolutions.
9. Verify audio and video sync and quality during live stream.
10. Should supply bracket with camera.

LIST OF CUSTOMERS OF THE BIDDER

The bidder must provide the details as per the below format for the rollout of Similar projects to at least three customers (Similar Scope and Project size).

Sr. No.	Name of the Client, Contact Person, Designation & Telephone No.	Date of the Assignment	Details of the assignment done for the client with Product Name, Model, etc.
1			
2			
3			
4			

The bidder must provide the details as per the below format for the Similar AMC support at least three customers (Similar Scope and Project size).

Sr. No.	Name of the Client, Contact Person, Designation & Telephone No.	Date of the Assignment	Details of the assignment done for the client with Product Name, Model, etc.
1			
2			
3			
4			

Note: The list should include at least three clients for each.

Date: Place:

Signature:

Name & Designation

Seal of the Company:



FORM 'D'

ACCEPTANCE OF TERMS & CONDITIONS CONTAINED IN THE RFP DOCUMENTS

To

Campus Computer Manager,

Indian Institute of Management Bangalore

Bannerghatta Road

Bangalore – 560076

Sir,

I have carefully reviewed the Terms & Conditions/ General Instructions in the RFP Document regarding the for the Supply and Integration of Auditorium AV Setup Upgrade.

I declare that all the provisions, terms & conditions of this RFP Document are acceptable to me/my firm and my company. I further certify that I am an authorized signatory of my company and am, therefore, competent to make this declaration.

Signature of the bidder

Date:

Place:

TERMS AND CONDITIONS

- The selected bidder shall supply the Equipment as required by IIM BANGALORE and as mentioned above in Form 'B' as per the rates agreed between the vendor and IIM BANGALORE.
- Delivery of the equipment to IIM BANGALORE will be the vendor's responsibility.
- Post installation of equipment, the vendor is required to handover the duly filled installation note to the authorized officer at IIM Bangalore

General

The price/rate quoted by the vendor cannot be altered or changed due to escalation on account of variations in taxes, levies, and the cost of the material. The price/rate quoted should be exclusive of all taxes. All applicable taxes should be mentioned as separate line items by the bidder.

All applicable taxes would be deducted at the source at the applicable rate while making the payment.

Delivery & Implementation Schedule

IIM BANGALORE expects the Delivery & Implementation of equipment as follows Delivery should be within 6-8 weeks- from the date of PO & implementations should be completed by the 10 days from the Date of supply

Working at Institute's Office

- a) All manpower required for the completion of work shall be arranged by Agency at its own cost.
- b) The working days/hours prevailing at the Institute's office shall be applicable to the Agency.
- c) The Agency shall be responsible for observing all safety precautions with respect to working at the Institute's offices. The Agency shall be liable to take insurance cover at its cost to safeguard against any injury or death of any of its workmen and also to cover against third-party risks during work at the Institute's offices.

Mode of Ordering

In the event of an order, the Institute shall issue one order (PO) for the project including supply, Implementation, handover, and Support.

The consequence of the change in the status/ownership of the successful bidder

The successful bidder has no right to give, bargain, sell, assign, sublet or otherwise dispose of the Contract or any part thereof, as well as to give or to let a third party take benefit or advantage of the present Contract or any part thereof except, with the prior consent of IIMB, in case of a merger, amalgamation, consolidation, acquisition, change in control or similar transaction.

Termination for Default

IIM BANGALORE may, without prejudice to any other remedy for breach of contract, by written notice of default sent to the Vendor, terminate the contract in whole or part: if the Vendor fails to deliver any or all of the systems within the period(s) specified in the Contract, or within any extension thereof granted by IIM BANGALORE pursuant to conditions of the contract or if the Vendor fails to perform any other obligation(s) under the Contract. In the event IIM BANGALORE terminates the Contract in whole or in part, IIM BANGALORE may procure, upon such terms and in such manner, as it deems appropriate, systems or services like those undelivered and the Vendor shall be liable to IIM BANGALORE for any excess costs for such similar systems or services. However, the vendor shall continue the performance of the contract to the extent that it is not terminated.

Force Majeure

Any failure or delay by the bidder or company in the performance of its obligation, to the extent due to any failure or delay caused by fire, flood, earthquake, or similar elements of nature, or acts of God, war, terrorism, riots, civil disorders, rebellions, or revolutions, acts of government authorities or other events beyond the reasonable control of non-performing Party, is not a default or a ground for termination.

If a Force Majeure situation arises, the Vendor shall promptly notify IIM BANGALORE in writing of such conditions and the cause thereof. Unless otherwise agreed by IIM BANGALORE in writing, the Vendor shall continue to perform its obligations under the contract as far as is reasonably practical and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

Termination for Insolvency

IIM BANGALORE may at any time terminate the Contract by giving written notice to the Vendor if the vendor becomes bankrupt or otherwise insolvent. In this event, the termination will be without compensation to the Vendor, provided that such termination will not prejudice or affect any right of action or remedy which has occurred or will accrue thereafter to IIM BANGALORE.

Governing Law and Disputes (Applicable in case of successful bidder only)

All disputes or differences whatsoever arising between the parties out of or in connection with this contract or in the discharge of any obligation arising out of the Contract (whether during the progress of work or after completion of such work and whether before or after the termination of this contract, abandonment, or breach of this contract), shall be settled amicably. If, however, the parties are not able to solve them amicably, either party (IIM BANGALORE or Vendor) give written notice to another party clearly setting out there in specific dispute(s) and/or difference(s) and shall be referred to a sole arbitrator mutually agreed upon, and the award made in pursuance thereof shall be binding on the parties. In the absence of consensus about the single arbitrator, the dispute may be referred to a joint arbitrator; one to be nominated by each party, and the said arbitrators shall nominate a presiding arbitrator before

commencing the arbitration proceedings. The arbitration shall be settled in accordance with the applicable Indian Laws. Any appeal will be subject to the exclusive jurisdiction of the courts at Bangalore.

The Vendor shall continue work under the Contract during the arbitration proceedings unless otherwise directed by IIM BANGALORE or unless the matter is such that the work cannot possibly be continued until the decision of the arbitrator is obtained.

The arbitration proceedings shall be held in Bangalore, India, and the language of the arbitration proceedings and of all documents and communications between the parties shall be in English.

Governing language

The contract and all correspondence/ communications and other documents pertaining to the Contract shall be written in English.

Governing Law

The contract shall be interpreted in accordance with the laws of the Government of India.

Notices

Any notice given by one party to the other pursuant to this contract shall be sent to another party in writing and confirmed in writing to the other Party's address. To all notices, the following shall be the current address:

Dillip K Mohapatra.

Computer Center

INDIAN INSTITUTE OF MANAGEMENT BANGALORE

Bannerghatta Road, Bangalore - 560 076

Voice: 080-26993785, 26585910,

The notice shall be effective when delivered or on the notice's effective Date, whichever is later.

Taxes and Duties

The Vendor shall be entirely responsible for all taxes, duties, license fees, road permits, other taxes, etc., incurred until delivery of the contracted systems to IIM BANGALORE and, therefore, should be included in the commercial bid.

The quote prices and taxes, duties & statutory levies such as GST, Service Tax, VAT/Sales, CVD, Tax, Octroi, NMMC Cess etc., should be specified separately.

Note: If any taxes are to be paid by IIM BANGALORE, the same should be mentioned explicitly

Vendor's Obligation

The vendor is obliged to work closely with IIM BANGALORE's staff, act within its own authority and abide by directives issued by IIM BANGALORE from time to time.

The Vendor is responsible for managing the activities of its personnel and will hold itself responsible for any misdemeanours on the part of its personnel.

The Vendor will treat as confidential all data and information about IIM BANGALORE obtained in the process of executing its responsibilities in strict confidence and will not reveal such information to any other party.

Terms of payment

The payment terms will be as follows:

100% after successful completion and the handover.

The vendor should submit the original invoice for payment.

Service Terms & Conditions

The vendor will be responsible for any mishap or accident during the delivery & Installation of the items which may occur due to negligence on the part of the vendor. The vendor shall pay and be responsible for payment of all taxes, duties, levies, fees, costs or charges in respect of the products/ services rendered to IIM BANGALORE as part of the assignment. The vendor shall indemnify and keep indemnified IIM BANGALORE against claims in respect of the above taxes, levies, duties, fees, costs, charges etc. All of the aforesaid taxes, duties, levies, fees, costs and charges shall be to the vendor's account, and IIM BANGALORE shall not be required to pay any additional or extra amount on account of the variation of the above charges if any, till the completion of work as per the contract to the satisfaction of IIM BANGALORE and no extra claim on this account will be entertained in any case.

Annexure – I

Checklist for Eligibility Criteria

S No	Criteria	Documents required to be attached with Technical Bid to establish eligibility	Status
1	EMD payment details of Rupees 4,00,000 / Udyam Registration certificate (The EMD of successful bidder will be retained until the material delivery and warranty update in the OEM site)	EMD payment UTR upload confirmation/BG/ Udyam Registration certificate	<input type="checkbox"/>
2	The bidder must be a registered entity within the legal and statutory frameworks permitted in India. Specific details as specified under column 2' Documents required' to be furnished. The bidder should also have been undertaking operations In India during the last 5 years as of the previous financial year end. be a natural person, private entity, or public entity (State-owned enterprise or institution). Joint ventures and consortiums are not permitted	Certificate of incorporation (for companies), partnership deed (for partnerships) license under shops & establishment act or other similar acts (for Proprietorships) The Bidder must be: (i) incorporated under the Companies Act, 2013, or (ii) registered as a Partnership firm or (iii) registered as an LLP . Copies to substantiate the nature of business - Memorandum of Association/Articles of Association/Certificate of Incorporation for Companies, Partnership deed for Partnerships. If an individual, the Bidder must be a sole proprietor, with the same evidenced by a valid GST registration certificate or a certificate as a Shop or an Establishment under the Karnataka Shops and Commercial Establishments Act, 1961 or similar act of other states.	<input type="checkbox"/>
3	The bidder shall be a reputable Indian or Multinational Company and be either an Original Equipment manufacturer or Authorized System Integrator(s) of the principal OEM in India.	Attested Copy of GST Registration Certificates and Copy of PAN Card Authorization letter	<input type="checkbox"/>
4	The bidder should have an average annual turnover of Rupees 1.5 Cr during the last three financial years ending on 23-24	Copy of the CA audited Profit & Loss Statements for each of the last three financial years	<input type="checkbox"/>
5	The bidder should have the experience of completing a similar supply and Installation During the period from 1st April 2021 to 30th November 2024 One PO of Rs. 1.6 Cr, or Two POs of Rs.1 Cr each, or Three POs of Rs.0.80Cr each	PO copy(ies), Delivery & Installation confirmation with seal and signature of the customer - with contact details	<input type="checkbox"/>
6	The bidder should provide MAF (Manufacturers' Authorization Form) Certificate */Relevant Partnership Certificate	Copy of the valid certificates from OEM Or Partnership Certificate	<input type="checkbox"/>
7	The bidder should not be blacklisted by a Central/State /Local Government Organization / Institution /SPU	Self-Declaration certification on the company letterhead with seal and Signature	<input type="checkbox"/>
8	SOW acceptance	Signed Copy of Form B	<input type="checkbox"/>
9	Annexure VII	Signed Copy of Annexure VII	<input type="checkbox"/>

This is to certify that we (Bidder's Company name) comply with the RFP eligibility criteria as mentioned above.

Date:

Seal & Signature

Annexure – II

Eligibility Declarations Form

(To be submitted as part of technical bid)

(On Company Letterhead)

(Along with supporting documents, if any)

Tender Document No. **IIMB/AV/2425/13**

Tender Title: Technical and Commercial Tender for Tender for Supply and integration of for the Supply and Integration of Auditorium AV Setup Upgrade.

Bidder's Name _____

[Address and Contact Details]

Bidder's Reference No. _____

Date.....

Note: The list below is indicative only. You may attach more documents as required to confirm your eligibility criteria.

Eligibility Declarations

(Please tick appropriate boxes or cross out any declaration not applicable to the Bidder)

We hereby confirm that we comply with all the stipulations of NIT-clause 3 and ITB-clause 3.2 and declare as under and shall provide evidence of our continued eligibility to the Procuring Entity as may be requested:

1) **Legal Entity of Bidder:** _____

2) **OEM/ Manufacturer/ Agent/ Dealership Status:** _____

1) We are/ are not a JV _____

2) We solemnly declare that we (including our affiliates or subsidiaries or constituents):

a) Are not insolvent, in receivership, bankrupt or being wound up, not have our affairs administered by a court or a judicial officer, not have our business activities suspended and are not the subject of legal proceedings for any of these reasons.

b) (Including our Contractors/ subcontractors for any part of the contract):

(i) Do not stand declared ineligible/ blacklisted/ banned/ debarred by the Procuring Organisation or its Ministry/ Department from participation in its Tender Processes; and/ or

(ii) Are not convicted (within three years preceding the last Date of bid submission) or stand declared ineligible/ suspended/ blacklisted/ banned/ debarred by appropriate agencies of the Government of India from participation in Tender Processes of all of its entities for offences mentioned in Tender Document in this

regard. We have neither changed our name nor created a new “Allied Firm”, consequent to the above disqualifications.

- c) Do not have any association (as bidder/ partner/ Director/ employee in any capacity) with a such retired public official or near relations of such officials of Procuring Entity, as counter-indicated, in the Tender Document.
- d) We certify that we fulfil any other additional eligibility condition if prescribed in Tender Document.
- e) We have no conflict of interest, which substantially affects fair competition. The prices quoted are competitive and without adopting any unfair/ unethical/ anti-competitive means. No attempt has been made or shall be made by us to induce any other bidder to submit or not to submit an offer to restrict competition.

3) MSME Status:

Having read and understood the Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 (as amended and revised to Date), and solemnly declare the following:

- a) We are - Micro/ Small/ Medium Enterprise/ SSI/ Govt. Dept. / PSU/ Others:.....
- b) We attach herewith Udhyam Registration Certificate with the Udhyam Registration Number as proof of our being MSE registered on the Udhyam Registration Portal. The certificate is the latest up to the deadline for submission of the bid.

4) Start-up Status

we confirm that we are/ are not a Start-up entity as per the definition of the Department of Promotion of Industrial and Internal Trade – DPIIT.

5) Penalties for false or misleading declarations:

We hereby confirm that the particulars given above are factually correct and nothing is concealed and undertake to advise any future changes to the above details. We understand that any wrong or misleading self-declaration would violate the Code of Integrity and attract penalties, as mentioned in this Tender Document.

.....

(Signature with Date)

.....

(Name and designation)

Duly authorised to sign bid for and on behalf of

.....

.....

[name & address of Bidder and seal of company]

Annexure – III**Instruction & Procedure****Instruction to Bidders**

1. The bidder should have a minimum of 5 years of working experience.
2. The bidder should have had an average turnover of Rs 1.5 Cr per annum during the last three financial years.
3. The quoted products should not be under the end of sales or end of support in the next five years from the Date of submission.
4. The quotation should be valid for 90 days from the date of opening of the technical bids.
5. Prices are required to be quoted according to the units indicated in the Bill of Quantities section. When quotations are given in terms of units other than those specified in the Tender form, the relationship between the two sets of units must be furnished.
6. All available technical literature, catalogues, and other data in support of the specifications and details of the items should be furnished along with the offer.
7. Samples, if called for, should be submitted free of all charges by the tenderer, and the Purchaser shall not be responsible for any loss or damage thereof due to any reason whatsoever. In the event of non-acceptance of the Tender, the tenderer will have to remove the samples at his own expense.
8. Specifications: The equipment offered should strictly conform to our specifications. Deviation, if any, should be clearly indicated by the tenderer in their quotation. The tenderer should also indicate the Make/Type number of the equipment offered and provide catalogues, technical literature, and samples, whatever is necessary, along with the quotation. Test certificates, wherever necessary, should be forwarded along with supplies. Whenever options are called for in your specification, the tenderer should address all such options, wherever specifically mentioned by us.
9. The Purchaser shall be under no obligation to accept the lowest or any tender and reserves the right to accept the whole or part of the Tender or portion of the quantity offered, and the tenderer shall supply the same at the rates quoted.
10. Corrections, if any, must be attested. All amounts shall be indicated both in words as well as in figures. Where there is a difference between the amount quoted in words and figures, the amount quoted in words shall prevail.
11. Payment terms 100% after successful delivery & Installation of equipment
12. The vendor will be liable for any hardware and software upgradation for maintenance without any extra cost during the warranty period.
13. The vendor should supply all required hardware to meet the technical specifications.
14. The authority of the person signing the Tender, if called for, should be produced.
15. Note: Deliver at IIM Bangalore, Campus



Annexure IV

DECLARATION OF FINANCIAL & ADMINISTRATIVE DETAILS

Company Name & Address: City:

State: Pin: Telephone: Cell:

Fax:

E-mail:

Copies of experience and client reports in similar work as desired in the RFP document are attached.

Signature of authorized signatory of the bidder:

Date:

Seal/ Stamp:

ANNEXURE – V

Format of Bank Guarantee towards EMD

Whereas _____ (hereinafter called the tenderer”) has submitted their offer dated _____ for the supply of _____ (hereinafter called the tender”) against the purchaser’s tender enquiry No. _____

KNOW ALL MEN by these presents that WE _____ of _____ having our registered office at _____ are bound unto _____ (hereinafter called the “Purchaser”)

In the sum of _____

for which payment will and truly to be made to the said Purchaser, the Bank binds itself, its successors and assigns by these presents. Sealed with the Common Seal of the said Bank this _____ day of _____ 20_____.

THE CONDITIONS OF THIS OBLIGATION ARE:

(1) If the tenderer withdraws or amends or modifies or impairs, or derogates from the Tender in any respect within the period of validity of this tender.

Or

(2) If the tenderer has been notified of the acceptance of his tender by the Purchaser during the period of its validity:-

(a) If the tenderer fails to furnish the Performance Security for the due performance of the contract.

(b) Fails or refuses to accept/execute the contract.

WE undertake to pay the Purchaser up to the above amount upon receipt of its first written demand, without the Purchaser having to substantiate its demand, provided that in its demand, the Purchaser will note that the amount claimed by it is due to it owing to the occurrence of one or both the two conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to and including 120 days after the opening of technical bids and any demand in respect thereof should reach the Bank not later than this date.

(Signature of the authorized officer of the Bank)

Name and designation of the officer
Seal, Name & Address of the Issuing Branch of the Bank



ANNEXURE VI

VENDOR BANK DETAIL FORM

(Please submit this on your letterhead with the technical bid)

The Indian Institute of management Bangalore
Bannerghatta Road
Bangalore – 560 076

Dear Sir,

I / We hereby request you to remit our payments to our bank account as per the details furnished below:

Sl. No.	Particulars	Details
1	Name of the Agency /Company	
2	Complete Address	
3	Name of the Contact Person	
4	Contact Numbers and Email ID	
5	Savings /current Account No.	
6	Name of the Bank	
7	Name of the branch with complete address	
8	IFSC Code	
9	PAN Number	

I/we hereby declare that I /we are authorized to sign this form and that the particulars furnished above are correct and complete in all respects. If the transaction is delayed or not effected at all for reasons of incomplete or incorrect information, I /we shall not hold IIMB responsible.

Please find enclosed a cancelled cheque for your reference.

Authorized Signatory:

Name:

Designation:

Date:

Signature Attested by Banker

Name:

Designation:

Date:

ANNEXURE VII

Technical Compliance

(Please submit this on your letterhead with the technical bid)

Video Wall

S/N	Technical Description	Make and Model	Compliance (Yes/No)	Remarks
1	Active LED Video wall / All in one LED video wall with controller			
	Approved Makes :Samsung/LG/ Barco /Christie/Sony /Delta / Xtreme Media/Absen/ Planar/Leyard/ Unilumin/ViewSonic/AET			
	Venue/Location	Indoor Auditorium		
	Pixel Pitch	1.56mm or less		
	Display Dimensions (W x H)	3.60 m x 2.02 m or higher		
	Diagonal Size	163 inches or higher (Not more than 173 inches)		
	Aspect Ratio	16:09		
	LED technology	COB/SMD		
	Resolution	1915 x 1074 or better		
	Viewing Angle	160 x 160 or higher		
	Max Brightness	800 nits (cd/m ²) or higher		
	Calibrated Brightness	600 nits (cd/m ²) or higher		
	Refresh Rate	3840 Hz or better		
	Contrast Ratio	8000:1 or better		
	Includes LED wall, Controller & relay module	Yes		
	Inputs	HDMI x 2, DVI/SDI/DisplayPort or more		
	Outputs	HDMI Out x 1/2 or more		
	Control Ports	Ethernet (RJ45), RS232		
	PIP (Picture in Picture)	4 or more		
	Relay Module for Automation/Control	Suitable relay module included for power ON/OFF control through touch panel		
	LED Life Span	Minimum 100,000 hours		
	Service Access	Full front access service		
	Accessories Included	Structure, bracket, patch cards, and other accessories for functionality		
	Wall Mount Bracket	Air gap between LED display and wall behind: Minimum 10 inches for ventilation		
	Brightness adjustment	Should support multiple levels of manual brightness adjustment (0-100% dimming)		
	IP Rating	IP30 or higher		
Operating Temperature	40 Degree (+) or higher			
Brightness uniformity	> 98%. Or higher			
Signal Transmission Distance	Should support up to 100 meters			
Maintenance Features	Redundant Power Supply, The LED Display processor should support HDCP 2.3, HDCP 2.2. Quick swap features with Auto Calibration .			
Cabinet Material	Die-cast aluminium, carbon, magnesium alloy			
Warranty	5 years onsite (LED wall, controller & relay module)			

Video

S/N	Technical Description	Make and Model	Compliance (Yes/No)	Remarks
1	UltraHD PTZ camera			
	Approved Makes : Sony/ Panasonic/ Lumens/peoplelink/Birdeye/Vizrt/ Telycam			
	4K/60 UHD video resolution			
	30x optical zoom and 12x digital zoom or better			
	12G-SDI high-speed video interface /output			
	Should support Power Over Ethernet (PoE++)			
	Pan Rotation Angle: -170° ~+170°			
	Tilt Rotation Angle: -30° ~+90° or better			
	Control Port: RJ45,USB,NDI & RS232/RS485/RS422			
	Wall mount indoor camera			
	Output ports : HDMI2.0, 12G-SDI, NDI			
Should deliver suitable bracket as per site condition				
2	4K Ultra HD live video production switcher			
	Approved Makes :Blackmagic/ Data video/Roland/ Panasonic			
	4K Live Video Production Switcher			
	SDI/ HDMI Video Inputs: 8 or higher			
	SDI/ HDMI Video outputs: 4 outputs or higher			
	2 x XLR balanced analog audio or more			
	Multiview : Yes			
	DVE (Digital Video Effects) : Yes			
	Video mixer should have LCD display : Yes			
	SDI/HDMI Program Outputs: 1 or more			
	SDI Rates: 1.5G, 3G, 6G, 12G			
Multi View Monitoring				
All the necessary convertors to be included.				
Optional features : built-in recording & Streaming				
3	4K recorder			
	Approved Makes : Blackmagic/ Data Video Roland /Panasonic/Lumens			
	SDI/HDMI Video Inputs:1 or more			
	SDI/ HDMI Video Outputs:1 or more ;			
	SD card slot x 1 or more			
	Remote Control:1 x RS-422 In, 1 x RS-422 Out/ RJ45			
	SDI Rates:270Mb, 1.5G, 3G, 6G, 12G.			
	Screen: small LCD display for preview			
Optional features : Cloud storage				
4	Web Streamer 4K / encoder			
	Approved Makes : Blackmagic/ Data Video Roland /Panasonic/Lumens			
	streaming up to 2160p60 or higher			
	SDI/HDMI Video Inputs : 1			
	HDMI Video Outputs : 1 x monitor out			
	Direct live streaming over ethernet using Real Time Messaging Protocol (RTMP) in H.264, and Secure Reliable Transport (SRT) in H.264 and H.265.			
Should support streaming platforms like youtube , facebook and so on				
5	PTZ Camera Joystick with NDI			
	Approved Makes :Sony/ Panasonic/ Lumens/Telycam/Birdeye/Vizrt			



	Control Ports: RJ45 & RS232/RS422/RS485		
	RJ45: Ethernet port, POE		
	Joystick for Pan, Tilt, Zoom, and Auto-focusSpeed Control,Zoom Control,Gain Control		
	Should control and support minimum of 7 Cameras		
	LCD Preview Screen		
	Camera parameters including iris, shutter and gain control		
	Should be from the same brand/OEM of camera		
6	12G-SDI to HDMI broadcast quality converter		
	Approved Makes : Blackmagic/ Data Video/ Roland /		
	SDI Video Inputs: 1		
	SDI Rates: 270Mb, 1.5G, 3G, 6G, 12G.		
	SDI Video Outputs: 1 x loop out.		
	Multi Rate Support: Auto detection of SD, HD, 2K, Ultra HD and 4K.		
	SDI Auto Switching: Automatically detects SD, HD level A or B for 3G-SDI, 2K DCI, Ultra HD and 4K DCI. HDMI 2.0 Video Outputs: 1 x type A.		
7	HDMI to 12G-SDI broadcast quality converter		
	Approved Makes :Blackmagic/ Data Video/ Roland		
	HDMI 2.0 Video Outputs: 1 x type A.		
	SDI Rates: 270Mb, 1.5G, 3G, 6G, 12G. 12G-SDI outputs for connecting to SD, HD or Ultra HD		
8	Three Input 4K/60 Switcher		
	Approved Makes : Extron/Kramer /AMX		
	Inputes: HDMI- 2nos, USB-C-1no.		
	Output: 1x HDMI/DTP3/HDBT		
	Integrated DTP3/HDBT/DM Transmitter		
	EDID management		
	RS232 & LAN port 4K60 4:4:4		
9	Matrix Switcher 8 input x 8 output		
	Approved Makes : Extron/Kramer /AMX		
	Switcher Type: Matrix switcher with Seamless switching & Inbuilt Scaling		
	Input port: 8 x HDMI/DTP3/HDBT/DM or more		
	Output port : 8 x HDMI/DTP3/HDBT/DM or more		
	EDID management		
	DTP/HDBT 3 port I/O Configurable/fixed or more		
	Frame rate:24, 25, 30, 50, or 60 fps		
	Audio output : 2 or more		
	4K60 4:4:4		
	HDCP 2.2 or better RS232 & LAN port		
10	4K Video and Audio to USB Bridge		
	Approved Makes : Extron/Kramer /AMX/Legrand/Magewell		
	USB Bridge that integrates AV devices or systems into software codec applications		
	Input : 1 x HDMI/DVI (HDCP compliant) with local mic/line input port		
	Bidirectional audio port or dedicated audi I/O		
	Resolution support : 1080i, 1080p, 2K, and 3840x2160 to 4096x2160, up to 60 Hz		
	Output : 1 X HDMI / ,1x USB C USB 3.0 or more USB scaled resolutions : to match common software codec requirements.		



11	HDMI Receiver		
	Approved Makes : Extron/Kramer /AMX		
	Input : 1xHDMI/DTP3/HDBT/DM or more		
	Video Output : 1x HDMI/DTP3/HDBT/DM or more		
	Resolution Support : 4K/60 @ 4:4:4		
	Transmission distance : 70 Mtr or more over CATxcable		
	Control : Min 1 RS-232		
	HDCP : HDCP Compliant		
Remote Power : Support both local power supply and direct remote powering.			
12	Control Processor		
	Approved Makes : Extron /Kramer/AMX		
	Should support third party device for wireless control (IPad)		
	Single-core processor with 1 GB of RAM and 8 GB of Flash or more		
	Supports secure industry standard communications protocols		
	Control Connections :Ethernet and RS-232		
	Fully customisable UI that allows to personalize control interface		
	Lan : 1x RJ-45 connector or more		
	Minimum of 3 or more RS-232 serial ports		
	Ethernet monitoring and control		
	Bidirectional RS-232/422/485 port		
	Should support power ON/OFF and I/O switching of displays and other av devices		
Optional :Automatic clock synchronization allows touchpanel to display the accurate time and date			
13	Decorator-Style Wallplate		
	Approved Makes : Extron /Kramer/AMX		
	Input HDMI x1, USB-C x1 or more		
	Supports up to 4K/60 @ 4:2:0 or more		
	Inbuilt DTP3/HDBT/DM, Transmits USB-C video, HDMI, audio, and control up to 70 meters or more (over a shielded CAT cable)		
	EDID management		
	Auto-switching between inputs		
	Remote power capability		
	HDCP 2.3 compliant or better		
	Supports EDID and HDCP transmission		
LED indicators for , signal type /signal presence, and power			
14	4K Wireless Presentation Device		
	Approved Makes : Kramer/Barco/AMX/Extron		
	Connect using conventional Wi-Fi and/or LAN		
	Supports Windows and Mac laptops, Chromebooks, iOS and Android mobile operating systems		
	Four participants can present simultaneously		
	Ports 1 x Ethernet: On an RJ-45 connector		
	Outputs 1 x HDMI: 2.0 On a female HDMI connector		
Video Resolution: 4K Output			
15	USB Transmitter / extender		
	Approved Makes : Extron/Kramer /AMX/Legrand/Magewell		
	USB Host port: Min 1 USB type-B female port		
Distance:Should Extend USB peripherals up to 200 feet or higher point-to-point over one CATx cable			

	Supports USB 2.0 through 1.0 devices with data rates of up to 480 Mbps. Compatible with USB 3.0 devices that can operate at USB 2.0 data rates			
16	USB Receiver/ extender			
	Approved Makes : Extron/Kramer /AMX/Legrand/Magewell			
	USB hub: Min 1 USB Type- A female ports hub or more			
	USB support: Shall support USB 2.0, 1.1, or 1.0 peripherals and USB 3.0 peripherals that can operate at USB 2.0 rates			
	Distance: Should Extend USB peripherals up to 200 feet or higher point-to-point over one CATx cable			
17	USB Matrix Controller/ USB swicher			
	Approved Makes :Extron/Kramer /AMX/Legrand/Magewell			
	Control: 1 x RJ-45 connector			
	Data Rate: 10/100/1000Base-T, half/full duplex LAN or WAN			
	Protocol support: DHCP, DNS, HTTP, HTTPS, ICMP (ping), IEEE 802.1X, NTP, SFTP, SMTP, SNMP, SSH, TCP/IP, UDP/IP			
	Memory: Minimum 512MB SDRAM, 512MB Flash or better			
	Matrix Control: Should support 64 USB transmitters and receivers.			
	Regularity Compliance: CE, c-UL, UL, C-tick, FCC Class A, ICES, KCC, RoHS, WEEE, VCCI			
	OR			
	USB swicher with 1x input & 2x output or more			
18	Wired touchscreen 10" capacitive touchscreen			
	Approved Makes :Extron/Kramer /AMX			
	Podium mount			
	Power over Ethernet (PoE 802.3af/t)			
	1920 x 1200 pixels resolution or higher			
	24-bit color depth or higher			
	Resolution: 1280x800, WXGA			
	Brightness: 400 nits (cd/m ²) or higher			
	Aspect ratio :16:10			
	Viewing angle :±80° horizontal, ±80° vertical			
	Should delver with brackets			
	Should be the same Make of control processor			
Optional : scratch, and smudge-resistant				
19	13" iPad Pro- for controlling wirelessly			
	Approved Makes :Apple			
	9th Generation,			
	8 GB RAM			
	Memory Storage :128GB			
	Wifi Only,			
	USB-C charge cable with USB-C power adapter			
20	Head Set			
	Approved Makes :Audio Technica/ JBL/ sennheiser/Shure/			
	Professional Monitor Over ear Headphones			
	3.5 mm Jack with phone(1/4") adaptor, 40mm driver or more			
21	Cat6A Cable (915 meters)			
	Approved Makes :Belden/Extron/ Kramer/AMX			
	Shielded Twisted Pair Cable-Non-Plenum			
	Support video reoslution 4k@ 60 Hz 4:4:4			

	Bandwith 475 , distance upto 100 meters			
22	Cat6 Cable (1525 meters)			
	Approved Makes :Belden/Extron/ Kramer/AMX			
	UnShielded Twisted Pair Cable-Non-Plenum			
	24 AWG cable			
	Gigabit enthernet support			
23	DisplayPort to HDMI Cable 3M Cable			
	Approved Makes :Belden/Extron/ Kramer/AMX			
	Supports resolutions to 4096x2160 @ 60 Hz			
	Supports data rates up to 21.6 Gbps			
24	High Speed HDMI Cables- 1.8Meter			
	Approved Makes :Belden/Extron/ Kramer/AMX			
	Cable performance standards and support 4K (4096x2160) and 1080p @ 60 Hz resolutions.			
	8 bit color depth, max. 18.0 Gbps data rate and gold plated contacts			
	Gold plated contacts			
25	High Speed HDMI Cables- 10.6 Meter			
	Approved Makes :Belden/Extron/ Kramer/AMX			
	4K/60 verified for 35 feet (10.6 m) with a cable equalizer			
	HD 4K 101 Plus cable equalizer is recommended for 4K and 1080p signals			
	Gold plated contacts			
26	USB-C to USB-C Cable, 4.5 meters			
	Approved Makes :Belden/Extron/ Kramer/AMX			
	Cable -4.5 meters			
	Optical Cables with 4K/30 Video and 60 W Power Delivery			
	Data rates up to 5 Gbps			
	DisplayPort video and embedded audio signals			
	ultra-thin 0.26" (6.5 mm) diameter cable			
27	USB- A to A Cable 1.8			
	Approved Makes :Belden/Extron/ Kramer/AMX			
	6' USB 2.0 A to A (Male) Molded Cable			
28	USB-B to USB- A Cable 2.7 meters			
	Approved Makes :Belden/Extron/ Kramer/AMX			
	Data rates up to 5 Gbps			
	USB 3.2 Gen 1			
29	USB- C to USB A Cable 1.8 meter			
	Approved Makes :Belden/Extron/ Kramer/AMX			
	USB-C to USB-A 5 Gbps Cable			
	Provides connectivity between USB-C and USB-A devices			
	1.8 meter cable length			
	Gold-plated contacts and Reversible USB-C connector			
30	15A Standard Power Conditioner			
	Approved Makes : Furman/Panamax/Audioquest			
	8 x 15A Standard Power Conditioner w/Lights and Digital Meter			
	With nessesary convertor to power up the device			
31	4K UHD Video Coax, 12Ghz, RG-6/U (950 meters)			
	Approved Makes :Belden/Extron/ Kramer/AMX			

	18Awg Solid.			
32	42 U rack for housing of all wires and accessories			
	Approved Makes :Valrack/Netrack/President			
	Equipment Rack for housing all rack mountable equipment with front glass door, heat dissipation fans, internal lights, movement wheels, power distribution units etc. complete with standard accessories as required.			
33	Laptop			
	Approved Makes : HP/ Apple/ Dell			
	Laptop (screen size 14 inch and above)			
	i7 Processor, 6 core, 3.7 GHz			
	32 GB RAM , Graphics Card , Nvidia RTX 4070			
	M2 SSD at 1TB			
	Windows 11			
34	Resolume Arena 7 (licence)			

Audio

S/N	Technical Description	Make and Model	Compliance (Yes/No)	Remarks
1	Powered Line Array Loudspeaker			
	Approved Makes: QSC /JBL/ Meyer Sound/d&b audiotechnik/ Bose			
	12 " Two-Way Powered Line Array Loudspeaker System			
	Frequency Range :57Hz - 20 kHz better			
	Power Rating:1600 Watts Peak ,800 Watts Continuous or better			
	Frequency Response:75 Hz - 20 kHz or better			
	Maximum SPL (1m):135 dB SPL or better			
	Coverage Pattern:90 x 15 nominal or better			
	LF Driver:1 x12"			
	HF Driver:2 x1.5" or better			
Inputs:XLR with loop through				
2	Line Array frame			
	Approved Makes: QSC /JBL/ Meyer Sound/d&b audiotechnik/ Bose To suspend upto 6 line array or more			
3	Custom Wall Mount Suspension Bracket :			
	Custom Wall mount,mechanism capable of bearing 400 kg of Load or more. With proper finishing of painting as per the site condition and direction given by the Engineer-in-Charge.			
4	Subwoofer			
	Approved Makes: QSC /JBL/ Meyer Sound/d&b audiotechnik/ Bose			
	18 " High Power Subwoofer			
	Frequency Range:35 Hz - 111 Hz or better			
	Power Rating 1500 W or better			
	Maximum SPL:126 dB SPL peak or better			
	LF Driver:1 x18"			
Input : 1 x XLR or better				
Outputs: 1 x XLR or better				
5	Bracket			
	Approved Makes: QSC /JBL/ Meyer Sound/d&b audiotechnik/ Bose			

	Mounting Barcket for subwoofer			
6	Front fill loudspeaker -Passive			
	Approved Makes: QSC /JBL/ Meyer Sound/d&b audiotechnik/ Bose			
	6-inch 2-way Loudspeaker or better			
	Frequency Range :58 Hz -20 kHz or better			
	System Power Rating:150W Continuous or better			
	Nominal Impedance:16 Ohms			
	Maximum SPL (1m):110 dB			
	LF Driver:1x6.5"			
7	Stage Monitor - Active loudspeaker			
	Approved Makes: QSC /JBL/ Meyer Sound/d&b audiotechnik/ Bose			
	Two-Way 12-inch active Loudspeaker			
	Frequency Response :65 Hz - 17 kHz or better			
	Frequency Range :50 Hz - 20 kHz or better			
	Coverage Pattern:90° x 50°			
	Max SPL:132 dB			
	Power Rating:1800W peak or better			
Input : 1 x XLR				
8	Control Room speaker			
	Approved Makes: QSC /JBL/ Meyer Sound/d&b audiotechnik/ Bose			
	5" Two way speaker			
	Frequency Range:70 Hz - 20 kHz or better			
	Power Capacity: 100 W Continuous			
	Sensitivity:86 dB SPL			
	Impedance:8 ohms			
	LF: 5.25 "			
HF: 0.75"				
9	Wired Gooseneck microphone			
	Approved Makes: Sennheiser/Shure			
	60cm gooseneck microphone			
	hyper cardioid pick-up pattern			
	frequency response: 40 Hz – 20 kHz			
	Sensitivity: 18 mV/Pa			
	Equivalent noise level: 23 dB (A)			
	XLR Connector			
	Shock mount arrangment with on/off switch			
bi-color LED ring				
10	Digital Wireless handheld Microphone			
	Approved Makes: Sennheiser/Shure			
	dynamic cardioid microphone capsule			
	Sensitivity: 2.1 mV/Pa,			
	Sound pressure level: 154 dB SPL			
	Frequency response: 20Hz - 20KHz			
	System latency: 1.9 ms			
	Dynamic range: 130 dB			
	10mW RF power with up to 100m/328ft working range			
persistent E-Ink display for always on information along with battery backup of 12 hours.				
11	Two-channel digital half-rack Dante enabled receiver			
	Approved Makes: Sennheiser/Shure			
	Two-channel digital half-rack (9,5") Dante®-enabled receiver			
	Evolution Wireless Digital handheld, bodypack and tablestand transmitters			
	Frequency Response: 20Hz-20kHz			

	Latency :1.9ms			
	THD: ≤ -60 dB			
	Ethernet ports (RJ-45) for remote network-based monitoring			
	Frequency grid for more than 250 channels			
	Dynamic range:134dB			
	Audio output : 2x 70mW @32Ω.			
12	Digital Wireless bodypack transmitter			
	Approved Makes: Sennheiser/Shure			
	transmitter with 3.5 mm jack connector compatible			
	condenser omnidirectional clip-on microphone			
	Sensitivity: 17 mV/Pa			
	Sound pressure level: 130 dB SPL			
	Frequency response: 20Hz - 20KHz,			
	System latency: 1.9 ms			
	Dynamic range: 130 dB, 10mW RF power with up to 100m/328ft working range			
	Programmable mute switch along with battery backup of 12 hours			
Up to 12 hours of operation time with rechargeable lithium ion battery,				
13	Wireless Lapel condenser microphones			
	Approved Makes: Sennheiser/Shure			
	Frequency Response: 20-20kHz			
	Polar Pattern: Omni-directional pick-up pattern.			
	maximum sound pressure level (142 dB)			
	Capsule Dimension 3.4mm diameter or better.			
	Cable Thickness :1mm			
	Color : Black			
	Sweat Resistance.			
14	Wireless Headworn microphone			
	Approved Makes: Sennheiser/Shure			
	rack receiver having an automatic frequency and interference management, OLED display, Ethernet connectivity			
	Frequency range: 1,880 to 1,900 MHz			
	Frequency response: 20 to 20,000 Hz,			
	Signal-to-noise ratio: > 90 dB(A)			
	RF output power: up to 80 mW or more			
	Dynamic range: > 120 dB(A)			
	Sampling rates: 24 bit/48 kHz			
	Connection: Audio Out: XLR 3M Audio Out: 2 x RCA Network: RJ 45 along with Wireless Bodypack transmitter with pre-polarized condenser microphone headworn microphone			
	Sensitivity: 5 mV/Pa			
	Maximum sound pressure level: 142 dB			
	RF output power: up to 80 mW or more			
	operating time: 15 hours.			
	Physical Parameter:			
Color: Beige				
Sleek appearance				
Extremely lightweight, with sturdy metal frame				
15	Wired Instrument microphone			
	Approved Makes: Sennheiser/Shure			
	Frequency response 40 - 18,000 Hz			
	Pick-up pattern cardioid			
	Transducer principle dynamic			
Sensitivity (free field, at 1 kHz) 1.8 mV/Pa				

	Nominal impedance (at 1 kHz) 350 Ω			
	Min. terminating impedance 1 kΩ			
16	Wired Vocal Microphone			
	Approved Makes: Sennheiser/Shure			
	Frequency response 40 - 16,000 Hz			
	Transducer principle dynamic			
	Pick-up pattern cardioid			
	Sensitivity (free field, at 1 kHz) 2.7 mV/Pa			
	Nominal impedance (at 1 kHz) 350 Ω			
	Min. terminating impedance 1 kΩ			
	Connector XLR-3			
17	9 microphone drum kit			
	Approved Makes: Sennheiser/Shure			
	Dimensions: 128,5 x 60 mm			
	Connector: XLR-3			
	Frequency response: 20 - 16000 Hz			
	Sensitivity in free field, no load (1kHz): 0,2 mV/Pa; (60 Hz): 0,6 mV/Pa			
	Nominal impedance: 350 Ω			
	1 x Bass drum microphone			
	4 x Tom microphone			
	1x Snare microphone			
	2 x thomann Overhead microphone			
	Min. terminating impedance: 1000 Ω			
18	2x 2-way passive antenna splitter.			
	Approved Makes: Sennheiser/Shure			
19	Active Antenna Splitter			
	Approved Makes: Sennheiser/Shure			
	Antenna splitter 1:4			
	Gain: in A – out A: 0 ± 1 dB in A – out A1 ... A4: 0 ± 1 dB in B – out B1 ... B4: 0 ± 1 dB			
	Impedance 50 Ω			
	Reflection loss 10 dB (all RF outputs)			
	Digital wireless eliminates noise			
	Up to 2,240 selectable frequencies			
56 MHz Bandwidth will allow for up to 90 channels				
Current consumption 210 mA				
20	Passive directional UHF antenna			
	Approved Makes: Sennheiser/Shure			
	Frequency range 470 – 1075 MHz			
	Apex angle (-3 dB) approx. 100°			
	Front-to-back ratio > 14 dB			
	Gain typ. 5 dBi			
Impedance 50 Ω				
21	Antenna booster			
	Approved Makes: Sennheiser/Shure			
	56 MHz Bandwidth			
	allow for up to 90 channels			
	Mobile App streamlines setup and operation and eliminates complicated menus,			
Frequency range: 470 – 694 MHz				
Automated setup creates reliable connections with minimal time and effort				
22	Rechargeable battery pack for handheld and bodypack transmitter.			

	Approved Makes: Sennheiser/Shure			
23	Network enabled 2 bay charger for handheld and Bodypack transmitter			
	Approved Makes: Sennheiser/Shure			
	3 hrs charging time			
	RJ-45, IEEE 802.3 network socket			
	Media Control Protocol to provide for remote control			
24	Four-channel Network Amplifier			
	Approved Makes: QSC /Crown/Bose			
	Four-channel, 1250W @ 4Ω Power Amplifier or better			
	Output Channels:4			
	Frequency Response (20Hz - 20kHz)			
	Damping Factor:>100 or better			
	Load Impedance :2Ω - 16Ω; 70Vrms and 100Vrms			
	DSP & network/dante			
25	Digital Signal Processor			
	Approved Makes: QSC/BSS/Extron			
	20 channels of analog I/O or more			
	AEC Inputs:12 or more			
	Analog Outputs:8 or more			
	Phantom Power +48 V DC			
	AEC processing			
	Should support : Up to 32 x 32 Dante or more (Built in or with external card)			
	Optional features : flex channels			
26	DSP input Expander/ DSP			
	Approved Makes: QSC/BSS/Extron			
	Expander should support 4 mic/line inputs & outputs			
	Expander should support Phantom Power +48 V DC			
	Network Audio Expanders/point to point, directly connected to DSP.			
	OR			
	1 Additional DSP with bridge option (This DSP should be linked with SN.25)			
27	Digital live audio Mixing Console			
	Approved Makes: Yamaha/allen and heath/midas /Digico/Soundcraft			
	33 motor faders or more			
	48 input mixing channels or more			
	16 analog XLR outputs or more			
	Mixing console with Dante ports of 2 nos minimum (64x64)			
	Should have builtin LCD display and support wireless Ipad User interface			
Should support IO stage box connectivity				
	Along with mixer a dust cover should be supplied			
28	16-Channel Dante Stage box			
	Approved Makes: Yamaha/allen and heath/midas /Digico/Soundcraft			
	Should be from the same brand/OEM of Digital live audio Mixing Console			
	16 analog inputs and 8 output or more			
	Redundant connections with primary and secondary connectors			
	Should support Dante			
29	Long Microphone Stand			
	Approved Makes: K&M/Samson/Gravity			
	Long Length Microphone Stand			
	Adjustable Microphone Stand excellent, all-purpose microphone stand that's perfect for the studio or the stage			
	Height adjustable for 90-148 cm or more			
30	Short Microphone Stand			

	<p>Approved Makes: K&,M/Samson/Gravity</p> <p>Adjustable microphone stand excellent, all-purpose microphone stand that's perfect for the studio or the stage</p> <p>Tripod base provides rock-solid stability</p> <p>Collapses flat for easy transportation and storage</p> <p>The adjustable arms allow you to carry it with you easily and adjust the suitable angle and height to show perfect voice</p>			
31	<p>24 port poe+ network switch.</p> <p>Approved Makes: Netgear/Cisco/HP</p> <p>Switching Fabric:128 Gbps.</p> <p>24 ports PoE+.1000/10G BASE-X SFP+ ports:2 ports</p> <p>Ethernet: Out-of-band 1G port (Front)</p> <p>Power over Ethernet : 48 x PoE+ 30W;</p> <p>24 ports PoE+.</p> <p>Console: RJ45 RS232 (Back).</p> <p>Storage: USB (Front)</p>			
32	<p>Modular PressBox</p> <p>Approved Makes: BSS/Klark Teknik</p> <p>Modular 8 balanced audio output pressbox. distributes audio to multiple destinations simultaneously, with two on-board microphone preamps and additional controls that eliminate the need for a separate mixer when feeding both a PA and a press</p> <p>Audio Circuit Type:Low Noise Active Buffer.</p> <p>Frequency Response: 20Hz to >20KHz (+0/-1.5dB). Total Harmonic Distortion: <0.001% @ +4dB. Dynamic Range:.>112dB.</p> <p>Total Harmonic Distortion: <0.001% @ +4dB.</p> <p>Dynamic Range:.>112dB.</p>			
33	<p>Active DI Box</p> <p>Approved Makes: BSS/Klark Teknik</p> <p>Max Input:+9dBu</p> <p>Input :Two Parallel 1/4" jack connectors , and a parallel XLR connector (unbalanced)</p> <p>Output Transformer Balanced (XLR connector)</p> <p>THD < 0.005% at 1khz, 0dbu output</p> <p>Noise < -105db unweighted, 22hz-22khz, rms</p> <p>Frequency Response 30Hz to 20kHz</p>			
34	<p>Junction box</p> <p>Approved Makes: Logic AV/Extron/LegrandAV/Kramer/AMX</p> <p>6 x RJ45 ;</p> <p>1 x HDMI ;</p> <p>4 x XLR ;</p> <p>2 x 15 Amp Power .</p>			
35	<p>Junction box</p> <p>Approved Makes: Logic AV/Extron/LegrandAV/Kramer/AMX</p> <p>2 x XLR and 2x power</p>			
36	<p>Connectors and Patch Chords</p> <p>Approved Makes: Amphenol Neutrik / MX</p> <p>XLR connectors (Male 80nos, Female x 80nos)</p> <p>RCA 10nos</p> <p>TRS 20 nos</p> <p>Phoenix 10 nos</p> <p>Speakon connector 15nos</p> <p>3.5 MM stereo jack 15 nos</p>			



	RJ 45 (UTP/STP)- 300 nos			
	BNC 35nos			
37	Microphone cable (1600 meters)			
	Approved Makes: Kramer/Belden/Extron			
	Size:24AWG			
	Stranding:27x38			
	BC - Bare Copper (High Conductivity)			
	Insulation Material : PVC - Polyvinyl Chloride			
38	2 core speaker cable (700 meters)			
	Approved Makes: Kramer/Belden/Extron			
	Size: 14 AWG			
	Stranding: 42x30			
	Material: TC - Tinned Copper			
	Nom. Thickness: 0.032 in (0.81 mm)			
39	Insulation Material : PVC - Polyvinyl Chloride			
	Team communication intercom headset system (Solidcom SE 4S)			
	Approved Makes: Hollyland/Motorola/saramonic			
	300 meter transmission range			
	10 hours battery backup			
	bidirectional communication			
	1 master headset and 3 remote headsets, Charger with batteries for headsets			

Signature of authorized signatory of the bidder:

Date:

Seal/ Stamp:

Annexure VIII
Undertaking for category by the Bidder
(To be submitted by bidder)

This is to confirm that the information mentioned below follows the Order No. P- 45021/2/2017-PP (BE - II), Ministry of Commerce & Industries (DPIIT) dt. 19 July 2024 and is correct to the best of my knowledge. I also provide consent to IIM Bangalore to validate our claim at any point of time. The bid shall be rejected, and Security Deposit will be forfeited, in case any discrepancies / any information/ data provided by me in this regard found to be false / incorrect / misleading.

S. No	Particulars	Details <i>(to be filled by the Bidder/ OEM/Supplier)</i>
I	OEM Category	
a.	Category – I Local Supplier	
b.	Category – II Local Supplier	
c.	Non – Local Supplier	

Authorized Signatory:

Date:

Name & Designation:

Place: