



Basic Details

Organisation Chain	Indian Institute of Management Sirmaur		
Tender Reference Number	IIMS/PUR/AV EQUIPMENT/05/2026-27		
Tender ID	2026_IIMS_926274_1	Withdrawal Allowed	Yes
Tender Type	Open Tender	Form of contract	Item Rate
Tender Category	Goods	No. of Covers	2
General Technical Evaluation Allowed	No	ItemWise Technical Evaluation Allowed	No
Payment Mode	Offline	Is Multi Currency Allowed For BOQ	No
Is Multi Currency Allowed For Fee	No	Allow Two Stage Bidding	No

Payment Instruments

Offline	S.No	Instrument Type
	1	Demand Draft

Cover Details, No. Of Covers - 2

Cover No	Cover	Document Type	Description
1	Fee/PreQual/Technical	.pdf	All Eligibility Criteria documents as per the Section-III
2	Finance	.xls	BOQ

Tender Fee Details, [Total Fee in ₹ * - 0.00]

Tender Fee in ₹	0.00		
Fee Payable To	Nil	Fee Payable At	Nil
Tender Fee Exemption Allowed	No		

EMD Fee Details

EMD Amount in ₹	6,47,156	EMD Exemption Allowed	Yes
EMD Fee Type	fixed	EMD Percentage	NA
EMD Payable To	Payable To	EMD Payable At	Payable At

[Click to view modification history](#)

Work /Item(s)

Title	Supply, Installation, Testing and Commissioning Of Audio-Visual (AV) Equipment, Desktop Computers and O and M for the Classrooms in the Institute Campus				
Work Description	Supply, Installation, Testing and Commissioning Of Audio-Visual (AV) Equipment, Desktop Computers and O and M for the Classrooms in the Institute Campus				
Pre Qualification Details	As per the tender documents				
Independent External Monitor/Remarks	Sh. M.J. Joseph Smt. Meeran C Borwankar				
Show Tender Value in Public Domain	Yes				
Tender Value in ₹	3,23,57,822	Product Category	Miscellaneous Goods	Sub category	Audio Visual equipment and Desktop computers
Contract Type	Tender	Bid Validity(Days)	120	Period Of Work(Days)	60
Location	Dhaulakuan	Pincode	173031	Pre Bid Meeting Place	IIM Sirmaur Dhaulakuan
Pre Bid Meeting Address	IIM Sirmaur Dhaulakuan Distt. Sirmaur HP	Pre Bid Meeting Date	24-Sep-2026 11:00 AM	Bid Opening Place	Dhaulakuan
Should Allow NDA Tender	No	Allow Preferential Bidder	No		

Tenderer Class	ALL
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Critical Dates

Publish Date	16-Sep-2026 05:00 PM	Bid Opening Date	08-Oct-2026 05:00 PM
Document Download / Sale Start Date	16-Sep-2026 05:00 PM	Document Download / Sale End Date	07-Oct-2026 05:00 PM
Clarification Start Date	NA	Clarification End Date	NA
Bid Submission Start Date	16-Sep-2026 05:00 PM	Bid Submission End Date	07-Oct-2026 05:00 PM

Tender Documents

NIT Document	S.No	Document Name	Description	Document Size (in KB)	
	1	Tendernotice_1.pdf	Notice inviting tenders for supply, installation, testing and commissioning of audio visual (AV) equipment and desktop computers for the classrooms in the institute campus.	18425.26	
Work Item Documents	S.No	Document Type	Document Name	Description	Document Size (in KB)
	1	Tender Documents	NIT.pdf	Notice Inviting tender for Supply, Installation, Testing and Commissioning of Audio-Visual (AV) Equipment, Desktop Computers and O and M for the Classrooms in the Institute Campus	18406.89
	2	BOQ	BOQ_973476.xls	BOQ	328.50

Bid Openers List

S.No	Bid Opener Login Id	Bid Opener Name	Certificate Name
1.	oa_purchase@iimsirmaur.ac.in	Amit Sharma	AMIT SHARMA
2.	ao_personnel@iimsirmaur.ac.in	HUKAM CHAND	hukam chand
3.	akdas@iimsirmaur.ac.in	Amiya Das	AMIYA KUMAR DAS

GeMARPTS Details

GeMARPTS ID	QL81KVZ09BYK
Description	Non-Availability Certificate
Report Initiated On	09-Sep-2026
Valid Until	09-Oct-2026

Tender Properties

Auto Tendering Process allowed	No	Show Technical bid status	Yes
Show Finance bid status	Yes	Stage to disclose Bid Details in Public Domain	Technical Bid Opening
BoQ Comparative Chart model	Normal	BoQ Compartive chart decimal places	2
BoQ Comparative Chart Rank Type	L	Form Based BoQ	No

TIA Undertaking

S.No	Undertaking to Order	Tender complying with Order	Reason for non compliance of Order
1	PPP-MII Order 2017	Agree	
2	MSEs Order 2012	Agree	

Tender Inviting Authority

Name	Senior Consultant (Admin.)
Address	IIM Sirmaur Dhaulakuan
<u>Tender Creator Details</u>	
Created By	HUKAM CHAND
Designation	Administrative Officer
Created Date	16-Sep-2026 11:43 AM



IIM SIRMAUR
KNOWLEDGE . LEADERSHIP

INDIAN INSTITUTE OF MANAGEMENT SIRMAUR

(An Autonomous body under the aegis of Ministry of Education, Govt. of India)

NIT No. IIMS/PUR/AV EQUIPMENT/05/2026-27 Dated. 16.09.2026

NOTICE INVITING TENDERS FOR SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF AUDIO-VISUAL (AV) EQUIPMENT AND DESKTOP COMPUTERS FOR THE CLASSROOMS IN THE INSTITUTE CAMPUS

Online tendering through CPPP (<https://eprocure.gov.in/eprocure/app>)

Purchase Office
Indian Institute of Management Sirmaur
Dhaura Kuan, Paonta Sahib, Distt. Sirmaur,
Himachal Pradesh-173031
Email: purchaseoffice@iimsirmaur.ac.in Website: www.iimsirmaur.ac.in

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E - INVITING TENDER

SECTION – I

Indian Institute of Management Sirmaur (IIMS) is an Institute of National Importance under the Ministry of Education, Government of India to provide management education of high quality and to promote allied areas of knowledge and inter-disciplinary studies.

1. Indian Institute of Management Sirmaur (IIM Sirmaur) invites online bids (e-tender) in two bid systems from reputed, experienced parties for IIM Sirmaur for supplying, installation, Testing and commissioning of audio-visual (AV) equipment and desktop computers for the classrooms in the institute campus.

Duly filled-in documents must be submitted online. The schedule of this tender is detailed below:

1. Time Schedule:

Sr. No.	Description of Tender	Item rate tender for Supply, Installation	
1	Estimated Value of Tender	Rs. 3,23,57,822/- (Rupees Three Crore Twenty Three Lakh Fifty Seven Thousand Eight Hundred Twenty Two Only)	
2	EMD Value @ 2% of the estimated value (Rs. 3,23,57,822/-)	Rs.6,47,156/- (Rupees Six Lakh Forty Seven Thousand One Hundred Fifty Six Only). Name of the Account: Indian Institute of Management Sirmaur Account Number: 140701000266 IFSC Code: ICIC0001407 Bank Address: Near Y Point, Main Market, Paonta Sahib, Sirmaur, H.P. 173031	
3	Tender Publish Date & Time	16.09.2026	05:00 PM
4	Tender Download Date & Time	16.09.2026	05:00 PM
5	Bid Submission Start Date & Time	16.09.2026	05:00 PM
6	Bid Submission Close Date & Time	07.10.2026	05:00 PM
7	Pre-Bid Meeting	24.09.2026	11:00 AM
7	Opening of e-Technical bid	08.10.2026	
8	Opening of e-Financial bid	Will be intimated later.	
9	Performance Security	5% of the Contract Value	
10	Award of Contract	Will be intimated later	
11	Stipulated Completion	Two month from the Award of Contract	

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12	Contact Person	IT Department/ Senior Consultant (IT) (Indian Institute of Management Sirmaur, Dhaula Kuan, Paonta Sahib, Sirmaur, H.P. 173031. Email Id:- sc_it@iimsirmaur.ac.in Contact No. 01704-277395/300
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Note: Bidders are requested to sign and stamp on each page. The duly filled in signed & stamped bid should be submitted by the bidders in as prescribed in this tender document.

The tender document may be downloaded from the Institute's website www.iimsirmaur.ac.in. & <https://eprocure.gov.in/eprocure/app>. The bidders shall submit this tender document in Technical Bid cover duly signed & stamped as per the above schedule on CPP Portal. All the bidders should submit a Demand Draft/NEFT of Rs. 6,47,156/- (Six Lakh Forty Seven Thousand One Hundred Fifty Six Only) in favour of "**Indian Institute of Management Sirmaur**" payable at Paonta Sahib, Distt. Sirmaur, as the Earnest Money Deposit (EMD). The EMD of unsuccessful bidders shall be refunded within 30 days after finalization of the contract. The bidders/firms registered under MSMEs and NSICs are exempted from submission of EMD.

Pre-Bid Meeting:

An online pre-bid meeting will be organized on 23.09.2026 at 11:00 AM. The prospective bidders may send their queries in Excel Format as per the ANNEXURE – VI. Pre-bid queries should be emailed to purchaseoffice@iimsirmaur.ac.in before 5:00 PM 22.09.2026, queries received later than the date and time mentioned shall not be entertained. Reply on pre-bid queries received shall be displayed on institute's website/e-tendering website.



SECTION- II

INSTRUCTION FOR PREPARATION & SUBMISSION OF ONLINE BIDS:

- 1.1 The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal. More information useful for submitting online bids on the CPP Portal may be obtained at: <https://eprocure.gov.in/eprocure/app>.
- 1.2 The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates.
- 1.3 Technical bid should be submitted in PDF format & financial bid should be submitted in BOQ (.xlsx format) only.
- 1.4 Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document/schedule and in general the documents are to upload in the PDF formats. Bid documents may be scanned with 100 dpi with colour/black and white option.
- 1.5 The bidder has to sign and upload the required bid documents one by one as indicated in the tender document.
- 1.6 The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
- 1.7 Upload scanned PDFs of all relevant documents in a single PDF file as per Technical Bid Cover requirement.
- 1.8 Upon the successful and timely submission of bids, 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.
- 1.9 Bidder should log into the portal well in advance for bid submission so that he/she upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for non-submission of bids in time or any delay due to other issues.
- 1.10 The signed technical and financial bids should be submitted online through CPP portal <http://eprocure.gov.in/eprocure/app>. The financial bid should include all the cost and other taxes (As per Central govt. norms) mentioned in the Financial Bid. If there is any separate cost, then that will be not acceptable.

2. REGISTRATION:

- 2.1 Bidders are required to enroll free of charge on the e-Procurement module of the Central Public Procurement Portal (URL: <https://eprocure.gov.in/eprocure/app>) by clicking on the link "Click here to Enroll" on CPP Portal.
- 2.2 As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
- 2.3 Bidders are advised to register their valid email address and mobile numbers as part



of the registration process. These would be used for any communication from the CPP Portal.

- 2.4 Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sift / TCS/ nCode/ eMudhra etc.), with their profile.
- 2.5 Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC's to others which may lead to misuse.
- 2.6 Bidder then logs in to the site through the secured log-in by entering their user ID / password and the password of the DSC / e-Token.
- 2.7 Kindly refer to the CPP Portal for more details.

3. SEARCHING FOR TENDER DOCUMENT:

- 3.1 There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID Organization name, location, date, value, etc. There is also an option of advanced search for tenders wherein the bidders may combine a number of search parameters such as organization name, form of contract, location, date, other keywords etc. to search for a tender published on the CPP Portal.
- 3.2 Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective 'My Tenders' folder. This would enable the CPP Portal to intimate the bidders through SMS / e-mail in case there is any corrigendum issued to the tender document.
- 3.3 The bidder should make a note of the unique Tender ID assigned to each tender; in case they want to obtain any clarification / help from the Helpdesk.



SECTION III

ELIGIBILITY CRITERIA

- a. The Tenderer/Bidder shall be a Government Organization/PSU/PSE/Public Limited Company/Private Limited Company, duly registered under the applicable laws of India and having a credible standing.
- b. The Bidder shall have been in existence for a minimum period of five (5) years as on the date of submission of the bid.
- c. The Bidder must have a valid GST Registration and PAN number allotted by the respective authorities. Copies of GST Registration Certificate and PAN number to be enclosed with the bid.
- d. The Tenderer/Bidder, including any of its Directors/Board Members, shall not have been blacklisted, debarred or declared ineligible by any Government, Semi-Government Organization or Statutory Body in India during the last five (5) years. A self-declaration to this effect shall be submitted.
- e. The Bidder shall be an Original Equipment Manufacturer (OEM) or an authorized dealer/partner for the quoted brand(s) of equipment. Valid authorization certificates from the OEM(s) must be submitted along with the bid.
- f. The Bidder should be having a positive net worth in the last three consecutive financial years, with an Average annual turnover of at least INR 4 Crores during the last three (3) financial years in India. Audited financial statements or certified financial documents shall be submitted as proof. For MSMEs and Start-Ups duly registered with the Government of India the turnover criteria shall be relaxed by 20% (i.e. these firms should have Average annual turnover of at least INR 3.2 Crores in the last three financial years (FY 2023-24, 2024-25, 2025-26), subject to meeting of quality, scope technical specification and other criteria asked in this document.
- g. The Bidder must be valid ISO 9001:2015.
- h. The Tenderer/Bidder shall be a System Integrator with demonstrated expertise in designing, supplying, installing, integrating, operating and maintaining similar Audio-Visual (AV) systems and related infrastructure.
- i. The Bidder shall have an adequate number of qualified and experienced personnel, including system integrators and maintenance engineers, with proven experience in installation, commissioning, integration, operation and maintenance of similar systems.
- j. The Bidder must have successfully executed similar works during the last five (5) years, meeting any one of the following criteria:
 - At least three (3) similar projects, each costing not less than INR 130 Lakhs,
 - OR
 - At least two (2) similar projects, each costing not less than INR 162 Lakhs,



OR

- At least one (1) similar project costing not less than INR 260 Lakhs, out of which at least one project must have been completed during the last two (2) financial years. Documentary evidence such as work orders and completion certificates shall be submitted.
- k. The Bidder shall have a functional support/service facility located in Himachal Pradesh/Uttarakhand to ensure timely service and maintenance support.
- l. The bidders shall have at least 5 AV Engineers on its rolls at least for 3 years before as on the last date of submission of bid. Documentary evidences in support of this to be attached with the bid.



SECTION – IV

1. GENERAL TERMS AND CONDITIONS:

- 1.1 Before submitting the tender bids online, ensure that all self-attested/uploaded in the technical bids.
- 1.2 All pages of the tender document must be signed by the authorized signatory and sealed with the stamp of the bidding firm as a token of having accepted all the terms and conditions of this tender.
- 1.3 Submission on Portal Any other form of tender submission by Postal/Courier/Emails, shall be rejected.
- 1.4 The bidders are requested to upload all the requisite documents along with the Technical Bid as per Checklist at Annexure-I.
- 1.5 The Name and Address of the bidder shall clearly be written in the space provided and no overwriting, correction, insertion shall be permitted in any part of the tender unless duly countersigned by the bidder. The tender should be filled in and submitted in strict compliance with the instructions laid down therein; otherwise, the tender is liable to be rejected.
- 1.6 The person signing the bid or other documents connected with the tender must clearly write his/her name and also specify the capacity in which signing.
- 1.7 The institute reserves the right to reject any or all the bids without assigning any reason.
- 1.8 Amendments (If any) will be communicated to participating firms by way of Corrigendum.
- 1.9 Please read all terms and conditions carefully before submitting the bids. Incomplete bids and documents will be rejected.
- 1.10 The Institute reserves the right to reject any or all the bids without assigning any reason.
- 1.11 Before submitting the filled-in tender bids on the Procurement Portal, the bidders may seek clarifications, if any, from Purchase office on Email Id: purchaseoffice@iimsirmaur.ac.in or in person by visiting the Institute during working hours by taking prior appointment of the authorities.
- 1.12 The Demand Draft/NEFT details copy for the prescribed Earnest Money Deposit (EMD) must accompany the tender document submitted by the bidder as mentioned in this document. Offers received without the requisite EMD shall summarily be rejected.
- 1.13 No relaxation in the prescribed turnover or financial eligibility criteria shall be provided to MSMEs/Start-ups under this tender. The relaxation/exemption available to eligible MSEs shall be limited to exemption from submission of EMD, as per applicable provisions.
- 1.14 The successful Bidder shall furnish Performance Security equivalent to 5% of the total contract value within the prescribed period from the date of issue of the Letter of



Award/Work Order.

- 1.15 The Performance Security shall remain valid for the entire contractual period, including supply, installation, testing, commissioning and warranty/5-year Operation & Maintenance (O&M) period, plus 60 days beyond the date of completion of all contractual obligations.
- 1.16 The prescribed Earnest Money Deposit (EMD) @ 2% of the Estimated value, as mentioned in the document, shall be deposited to the institute through Demand Draft (DD) drawn in favor of "Indian Institute of Management Sirmaur", payable at Paonta Sahib, Distt. Sirmaur, H.P. 173031, to be reached at the Institute address mentioned in the bid documents before the last date of submission of bid or through NEFT in the Institute's Account (Details are provided below).

Beneficiary Name: Indian Institute of Management Sirmaur

Bank Name: ICICI Bank Ltd.

Account Number: 140701000266

IFSC Code: ICIC0001407

Bank Address: Near Y Point Main Market, Paonta Sahib, Distt. Sirmaur, H.P. 173031



SECTION – V
SCOPE OF WORK

The details of the work to be executed are as follows:

I. AV Equipment:

The scope of work shall include the supply, installation, testing and commissioning of all Audio-Visual (AV) equipment as specified in the attached Bill of Quantities (BoQ) under Package A, B, C, D and E.

The successful bidder shall be responsible for the complete integration, operation and management of the installed AV systems to ensure seamless and efficient functioning.

The scope further includes provision of a comprehensive on-site warranty for a period of five (5) years from the date of successful commissioning of the systems. In addition, the bidder shall provide operation and management (O&M) services for a period of five (5) years, covering maintenance, troubleshooting and upkeep of all installed AV equipment to ensure optimal performance throughout the contract period.

II. Desktops:

The scope of work shall include the supply, installation, testing and commissioning of twenty-four (24) Desktop Computers in accordance with the specifications outlined under Package D and the detailed technical requirements provided in this tender document.

III. Operations and Management of the facility:

The successful bidder shall be responsible for the operation and management (O&M) of all Audio-Visual (AV) hardware for a period of five (5) years from the date of successful commissioning, integration and acceptance of the systems.

- IV. The project shall be executed by a single vendor, who shall act as a complete solution provider and assume full responsibility for the end-to-end implementation of the project. The selected bidder shall serve as the sole prime contractor for the entire scope of work.
- V. The entire scope of work, as defined in this tender, shall be awarded to one single agency only and no splitting of work or multiple vendor engagements shall be permitted.
- VI. The work for all the above will be awarded to only one single agency



2. Bill of Quantities:

Package - A NORMAL CLASSROOMS Number of Classrooms - 2 (TWO) Classrooms Quantities indicated are for both the classrooms			
Sr. No.	Item/Equipment Description	Qty.	Unit
A-1	Projector for Video projection	4	Nos.
A-2	Motorised Screen	4	Nos.
A-3	32inch Confidence monitor	2	Nos.
A-4	Ceiling Speaker	32	Nos.
A-5	Amplifier for Ceiling Speakers	2	Nos.
A-6	Pre-Amplifier	2	Nos.
A-7	Microphone with lavalier mic	2	Nos.
A-8	HDMI Transmitter	10	Nos.
A-9	HDMI Receiver	10	Nos.
A-10	Wireless presentation	2	Nos.
A-11	Control System	2	Nos.
A-12	Touch screen panel	2	Nos.
A-13	HDMI Matrix Switcher	2	Nos.
A-14	Table	2	Nos.
A-15	HDMI DA	4	Nos.
A-16	N/W Switch	2	Nos.
A-17	Racks Cable and Connectors	2	Nos.
Package - B SMART HYBRID CASSROOMS Number of Classrooms - 3 (Three) Classrooms Quantities indicated are for Three Classrooms			
Sr. No.	Item/Equipment Description	Qty.	Unit
B-1	98inch 4K Display	6	Nos
B-2	Smart Board	3	Nos.
B-3	32inch Confidence monitor	3	Nos.
B-4	Ceiling microphone	15	Nos.
B-5	Bracket for Ceiling mic	12	Nos.
B-6	Ceiling Speaker	48	Nos.
B-7	Column Speaker	6	Nos.
B-8	Amplifier for Ceiling Speakers	3	Nos.
B-9	Amplifier for Column Speakers	3	Nos.
B-10	Digital Signal Processor	3	Nos.
B-11	Microphone with lavalier mic	4	Nos.
B-12	12x Optical Zoom Tracking Camera for Presenter	3	Nos.
B-13	12x Optical Zoom for Audience	6	Nos.
B-14	Video Mixer	3	Nos.
B-15	HDMI Transmitter	15	Nos.
B-16	HDMI Receiver	15	Nos.
B-17	Capture Vision System	3	Nos.
B-18	Wireless presentation	3	Nos.
B-19	Control System	3	Nos.
B-20	Touch screen panel	3	Nos.



B-21	HDMI Matrix Switcher	3	Nos.
B-22	Table	3	Nos.
B-23	HDMI DA	6	Nos.
B-24	USB Switcher	3	Nos.
B-25	N/W Switch	3	Nos.
B-26	Racks Cable and Connectors	3	Nos.
Package - C EXISTING NORMAL CLASSROOMS Number of Classrooms - 7 (SEVEN) Classrooms Quantities indicated are for all the 7 (Seven) Classrooms			
Sr. No.	Items/Equipment Description	Qty.	Unit
C-1	Microphone with lavalier mic	7	Nos.
Package - D ALL CLASSROOMS Number of Classrooms - 24 (TWENTY-FOUR) Classrooms Quantities indicated are for all the 24 (Twenty-Four) Classrooms			
Sr. No.	Item/Equipment Description	Qty.	Unit
D-1	Desktops	24	Nos.
Package - E Number of Classrooms – 12 (TWELVE) Classrooms			
Sr. No.	Item/Equipment Description	Qty.	Unit
E-1	Operations and Management of the above facilities deployed	1	Person

3. Technical Specifications:

Package - A NORMAL CLASSROOMS Number of Classrooms - 2 (TWO) Classrooms Quantities indicated are for both the classrooms		
Sr. No.	Item Description	Technical Specifications
A-1	Projector for Video projection	DLP LASER Projection system, Display technology DLP, Resolution 1080p, Full HD (1920x1080), Projection Regular Throw, 4K compatible, Brightness 5400 or more lumens or more Contrast ratio 2,00,000:1 or higher, Aspect ratio 4:3, 16:9, Keystone correction - horizontal +/-20° or higher, Keystone correction - vertical +/-30° with vertical auto keystone correction., Screen size 1.02–7.62 m (40–300 in) or better, Light source type Laser, LASER life 30000 hours or higher, Throw ratio 1.4:1 ~ 2.24:1 or better, Projection distance 1m - 10m or better, Zoom 1.6 or better, Manual, Focal length 0.91mm~32.62mm/0.823"~1.284/ f 21.5–43.0 mm, Lens shift Vertical +16% or higher, Connections Inputs 1 x HDMI 2.0, 1 x HDMI 1.4a, 1 x VGA, 1 x Audio 3.5mm, 1 x micro USB service, Outputs 1 x VGA, 1 x Audio 3.5mm, 1 x USB-A power 1.5A, Control 1 x RS232, 1 x RJ45, 1 x 12V trigger, IP rating IP6X, 24/7



		operation, 360° operation, 4 Corner Correction, Watts per speaker 10W x 2, LAN – control Preferred Makes: Optima, NEC, Digital Projection, BARCO, Christie
A-2	Motorised Screen	8' x 6' Motorised screen
A-3	32inch Confidence monitor	32inch confidence monitor. shall support 1366x768 or better resolution. Brightness 300 nits or better. Minimum 16/7 support. 2xHDMI input. Preferred Make: LG/Samsung/Sony
A-4	Ceiling Speaker	Min 6.5" (6.5" LF + 1" HF) two-way coaxial thin edge ceiling loudspeaker, 100V transformer power taps:, Conical dispersion: 150° or more, impedance: 8, low impedance RMS continuous power: 30 watts or more, frequency response: 60 Hz - 20 KHz or better, Max SPL(W/m) : 103 dB or better, Sensitivity: 88 dB or better etc. CE Certification. Preferred Make: Audac/Bose/Tannoy
A-5	Amplifier for Ceiling Speakers	Octo channel 4 Ohm energy-efficient amplifier - 8 x 30W (This functionality maybe achieved with 2nos 4 channel amplifier or 4nos 2 channel amplifier) - 70/100V or 4 Ohms, Class-D amplifier technology, Energy star certified, Signal/Noise > 95 dB, THD+N (@ 1 kHz) < 0.1% (1/8 rated Power), Crosstalk (@ 1 kHz) < 70 dB, Frequency Response (± 3 dB) 110 Hz - 20 kHz, Technology Class-D, Protection DC Short circuit, Over heating, Over load, Signal limiting, Cooling Convection cooled, CE Certification or more. Preferred Make: Audac/Bose/Powersoft/Extron
A-6	Pre-Amplifier	Preamplifier with min 2 or more Balanced Microphone inputs, 1 or more Stereo Balanced Line, 3 or more Stereo Unbalanced Line, Bluetooth receiver, 3.5mm input Jack, Priority mute contact, 1 or more Balanced Stereo outputs/ The preamplifier shall have the capability for expansion of inputs through addition of wallplates. Preferred Make: Audac/ Parasound/Classe
A-7	Microphone with lavalier mic	Wireless microphone system which includes transceiver and 1 unit of body pack transmitter. Body pack transmitter should have inbuilt omnidirectional mic having frequency response 20 Hz – 20 kHz. System operating in the 1880–1900 MHz frequency range with a dynamic range of 110 dB or better and a range of 45-50 meters. It should offer less than 0.03% total harmonic distortion (THD) and 24-bit/48 kHz digital audio processing. Audio networking is supported via Dante and AES67, with AES 256-bit encryption for secure transmission and a latency of 19 ms – 25 ms. The



		system should support up to two simultaneous transmitters (handheld, bodypack and boundary) and should automatically scan and assign frequencies while avoiding RF interference. The transceiver should include integrated charging docks compatible with handheld, bodypack and boundary transmitters, with battery runtimes of at least 16 hours for bodypack or if battery run time is 8hr – 10 hours, then consider additional two batteries as per IIMS requirement. Internal or external charger must charge mentioned microphone or its battery. If the system doesn't have access point transmitter, then APT must be provided as external. Transmitters feature: mute/unmute buttons and display indicating mute status, RF range and battery life in hours and minutes. The receiver should support both Dante and analog audio interfacing for integration with modern or legacy systems and should include a compact 5x5 audio mixer with Dante (If internal mixer is not there, provide external 6 channel mixer which supports DANTE), analog and USB audio I/O. It should also feature Acoustic Echo Cancellation (AEC), Noise Reduction (NR), Automatic Gain Control (AGC) and Parametric EQ (PEQ) or if system doesn't have in-built DSP, please provide external 8In x 8Out DSP with all these features for optimal audio performance. A web-based GUI is preferred for configuration and should be certified to work with Industry standard Video conferencing solutions i.e. Microsoft Team & Zoom. Preferred Make: Sennheiser/ClockAudio/Shure
A-8	HDMI Transmitter	Transmitter over Cat 6 (HDBaseT) up to 70m with Input 1 HDMI, Cat6 (HDBaseT) Output, 4K@60 4:4:4, HDCP 2.2 Compliant, with CEC, IR and RS-232, Compliance : CE, etc complete as required. Preferred Make: Lightware/ Kramer/ RGB Spectrum
A-9	HDMI Receiver	HDMI Receiver over Cat 6 (HDBaseT) up to 70m with Input 1 Cat6 (HDBaseT), 1 HDMI Output, 1080p, 2K and 4K@60 4:4:4, HDCP 2.2 Compliant, with IR and RS-232, Compliance: CE, etc complete as required. Preferred Make: Lightware/ Kramer/ RGB Spectrum
A-10	Wireless presentation	Wireless presentation & Video conferencing devices supporting video resolution up to 4K, with 1 HDMI & 1 Display Port output, 1 Ethernet port, 4 USB port for connecting keyboard, mouse, USB camera, USB mics, etc, Supports iOS, Windows and Android operating systems, display minimum 6 users screen with 1 display & 12 users screen using 2 displays, Support for DHCP, Audio out, support for annotation & whiteboard feature, content should be visible on connected smartphones, iPhone, iPad, Laptops,



		MacBooks & at the same time users should be able to zoom the content for clarity & do annotation from their devices. User should be allowed to install any third-party application on the device like MS Teams/Zoom/Blue Zean's/Any soft VC App. Device should allow using it for soft VC application, connect 252 participants simultaneously, Certification: CE, etc. Preferred Make: Mersive/ Kramer/ Barco
A-11	Control System	Control System, Hardware Platform with 1 Instance, Ports 3 USB: On 2 USB 3.0 connectors and 1 USB connector, 1 LAN: On an RJ-45 connector, Inputs 1 HDMI: On a female HDMI connector, Outputs 1 HDMI: On a female HDMI connector, General Processor: Intel Gemini Lake QC SOC, Main Memory: 4GB LPDDR4 (2400), Storage: 32GB eMMC, Networking: 1 x Gigabit LAN Wi-Fi 802.11 ac/b/g/n dual band, VESA mount. CE Certification Preferred Make: Extron/ Kramer/QSC
A-12	Touch screen panel	8-inch IPS color screen Touch panel, screen resolution 1280 X 800, brightness 350cd/m2, contrast ratio 1000:1, 16:10 aspect ratio, $\pm 80^\circ$ horizontal and vertical wide viewing angles, ambient light sensor, proximity sensor. Should have inbuilt Wi-Fi 6, 802.11 a/b/g/n/ax/ax & Bluetooth 5.0, Ethernet : 10/100/1000 Mbps LAN, capacitive multi touch technology, multi-touch points and 2-finger gesture capabilities., System Memory: 4GB LPDDR4, Internal Storage Memory: 32GB eMMC, support for video formats H.264/H.265, VC-1, MPEG-4, VP9/VP8, Support for Image Codecs: JPEG, BMP, GIF, PNG, Should have front 5MP FF camera, Customizable GUI using same OEM GUI Software, Power over Ethernet (PoE) 802.3af Certification: CE, FCC, UL, RoHs, WEEE. Preferred Make: Extron/ Kramer/QSC
A-13	HDMI Matrix Switcher	4K@60Hz 4:4:4 4X4 HDMI Matrix Switcher, 4 HDMI inputs, 4 HDMI Outputs, audio embedding for each HDMI inputs & audio de-embedding for each HDMI output, 4 balanced audio stereo audio outputs & 4 S/PDIF output on female RCA connectors, 2K and 4K support, HDCP 2.2 Compliant, data rate 18Gbps, 4 Preset configurations, Support for HDR10, xvYCC color, Dolby TrueHD/DTS-HD Master Audio, 3D Video, Controllable through Ethernet and RS-232, Certification: CE, etc complete as required. Preferred Make: Lightware/ Kramer/ RGB Spectrum
A-14	Table	Wooden/Digital Interactive Podium, 4X2 Feet Wooden Top with Motorized Tilting of the Interactive Panel, with provision to install Gooseneck Microphone, Interactive panel, Keyboard Tray and space to store AV equipment and



		PC. The Podium should be table type having cable manager with power socket, USB, VGA, HDMI and CAT 6 etc. The same should be made from 18mm FR Plywood of ISI mark and design should be approved by IIMS before supply. Podium should be supplied with Wacom tablet 15inch or higher. Preferred Make: Custom
A-15	HDMI DA	1x2 HDMI Distribution amplifier. Max. Data Rate — 6.75Gbps (2.25Gbps per graphic channel). It shall be HDTV Compatible and HDCP Compliant. HDMI Support — Deep Color, x.v.Color, Lip Sync, CEC. 3D Pass-Through. EDID Pass-through. Preferred Make: Lightware/ Kramer/ RGB Spectrum
A-16	N/W Switch	24-port network switch with switching capacity of 56Gbps. Standard 802.1d Spanning Tree support. Support for IEEE 802.3ad Link Aggregation Control Protocol. Support for up to 4094 VLANs simultaneously. Should support 2000 multicast groups. Preferred Make: Cisco/Alcatel/HP/Netgear
A-17	Racks Cable and Connectors	Racks of appropriate size, Cable and Connectors as per the site requirement.
Package - B SMART HYBRID CASSROOMS Number of Classrooms - 3 (Three) Classrooms Quantities indicated are for Three Classrooms		
Sr. No.	Item Description	Technical Specifications
B-1	98-inch 4K Display	LED Display with Screen Size (diagonal): 98 inch. Brightness (cd/m²) Typical: 400 nits or higher. Contrast Ratio (Native): 1200/5000:1 or higher. Display resolution (H x V pixels): 4K UHD (3840 * 2160). Response time: 7 ms or less. Backlight type: Direct (Full Array LED). Operation time: 24x7. Viewing Angle (Right/Left/Up/Down): 178 degrees. Dimming type: Local Dimming. Operating System (Built in): Android. HDR Compatibility: HDR10, HLG, Dolby Vision. On-board Storage (GB): 32 GB or more. Color gamut (DCI-P3): 95% or higher. Wi-Fi Direct, Wi-Fi Enabled & Wireless and Wired LAN. Chromecast/Miracast & Apple AirPlay (built in). HDCP: HDCP 2.3. Ports and Connectivity: HDMI (3) or more, Digital Audio Out (1), USB (2), Ethernet (1). Preferred Make: Sony/LG/Samsung
B-2	Smart Board	Interactive flat panel display shall be an 86-inch 4K UHD system (3840 × 2160) featuring a VA or equivalent panel with D-LED backlighting, delivering a minimum brightness of 450 or more cd/m², contrast ratio of 16,000:1 or better,



		178° viewing angles and a response time of 6 ms or better with a minimum panel life of 50,000 hours or more. The front glass shall be minimum 3 mm or more toughened glass with 9H Mohs hardness, incorporating anti-glare and anti-fingerprint coating and be suitable for 16×7 continuous operation. Integrated audio shall include dual built-in speakers of at least 20 W each and a built-in microphone array. Multi-touch capability of up to 40 touch points on Android or better, with a touch response time of ≤ 2 ms, writing accuracy of < 1 mm and minimum object size of 2 mm. The touch system shall support passive and infrared pens, palm rejection and simultaneous pen-and-finger operation. The display shall be compatible with Windows, Android operating systems. The interactive display shall operate on a built-in Android with a minimum 8 GB RAM and minimum 128 GB internal storage, expandable via embedded or external storage options. Wireless connectivity shall support dual-band Wi-Fi (2.4 GHz and 5 GHz) and Bluetooth, with wired networking via Gigabit Ethernet. Connectivity shall include a minimum of 3x HDMI inputs, 1x HDMI output supporting 4K@60 Hz, audio input and output, SPDIF, RS-232, USB 2.0 and USB 3.0 ports and USB-C ports supporting audio, video, data, LAN sharing and power delivery up to 65 W. Front-facing connectivity ports shall be provided for ease of access. The system shall support multi-window operation, picture-in-picture, wireless screen sharing, whiteboard and annotation tools, file management with cloud integration, video recording and collaboration features, along with OTA software updates, application marketplace access and centralized account management. Preferred Make: Optoma/LG/Samsung/Panasonic
B-3	32-inch Confidence monitor	32inch confidence monitor. shall support 1366x768 or better resolution. Brightness 300 nits or better. Minimum 16/7 support. 2xHDMI input. Preferred Make: LG/Samsung/Sony
B-4	Ceiling microphone	Ceiling microphone with automatic dynamic Beamforming technology, the beam will automatically detect the position of the person speaking and will follow the person around the room at all times. It should have 2 x Dante digital audio (Redundancy), Analog audio out (Phoenix 3-pin) and Ethernet for Control and PoE connectivity ports. The coverage of the ceiling microphone should be min 800 square feet or more. It should have a true voice lift feature to increase audio intelligibility above the ambient noise floor. It should support IT industry standards like IEEE 802.1x. It should be controllable through software that can control and monitor the microphone in any network. It should have min



		100 dB SPL, 5ms latency and min 90dBA or higher dynamic range. High-precision audio settings for maximum control, setting to exclude (min 5) and prioritize the areas of the room. It should be certified by Microsoft Teams and Zoom Video conferencing applications. It should have UL 62368 certification (including UL 2043 testing and compliance) and safety certifications. Preferred Make: Sennheiser/Shure/Yamaha
B-5	Bracket for Ceiling mic	Suitable Ceiling Fixation Bracket for quoted Ceiling microphone. Preferred Make: Sennheiser/Shure/Yamaha
B-6	Ceiling Speaker	Min 6.5" (6.5" LF + 1" HF) two-way coaxial thin edge ceiling loudspeaker, 100V transformer power taps:, Conical dispersion: 150° or more, impedance: 8, low impedance RMS continuous power: 30 watts or more, frequency response: 60 Hz - 20 KHz or better, Max SPL(W/m) : 103 dB or better, Sensitivity: 88 dB or better etc. CE Certification. Preferred Make: Audac/Bose/Tannoy
B-7	Column Speaker	Passive Column Loudspeaker with min 10 or more X 2" Driver or better; RMS 100W or more @ 12/8 Ohms or better; Frequency range: 150Hz – 20Khz or better; Sensitivity 92 dB and Max SPL 113 dB; Beamwidth @1KHz : 140° or more x 20° or less (H X V) . Power Taps 100 V; OEM Mounting Bracket to be Included, Construction : Aluminium, CE Certification or more. Preferred Make : Audac/Bose/Tannoy
B-8	Amplifier for Ceiling Speakers	Octo channel 4 Ohm energy-efficient amplifier - 8 x 30W (This functionality maybe achieved with 2nos 4 channel amplifier or 4nos 2 channel amplifier) - 70/100V or 4 Ohms, Class-D amplifier technology, Energy star certified, Signal/Noise > 95 dB, THD+N (@ 1 kHz) < 0.1% (1/8 rated Power), Crosstalk (@ 1 kHz) < 70 dB, Frequency Response (± 3 dB) 110 Hz - 20 kHz, Technology Class-D, Protection DC Short circuit, Over heating, Over load, Signal limiting, Cooling Convection cooled, CE Certification or more. Preferred Make: Audac/Bose/Powersoft/Extron
B-9	Amplifier for Column Speakers	Dual Channel power amplifier, RMS/AES power handling @ 4 Ω : 2 x 500 W, @ 8 Ohms : 2 x 250 W, @ 8 Ohm Bridge : 1 x 1000 W, Frequency response: 20 Hz - 20 kHz, Signal / Noise: > 90 dB, THD+N (@ 1 kHz): < 0.1%, Technology: Class-D, Inputs sensitivity: 0 dB (1V RMS), Protection: DC Short circuit; Over heating; Over load; Signal limiting; Convection cooled, should be energy star rated, etc., CE Certification or more.



		Preferred Make: Audac/Bose/Powersoft/Extron
B-10	Digital Signal Processor	Modular card based/fixed based Digital Signal Processor with minimum 6 input and 12 output, all Inputs shall have AEC feature, 2 GPIO Ports for logic controls, 64x64 or more bi-directional channels of audio over Dante, 2x2 USB port for connectivity with Software based Video Conferencing system (within the system without any external device), THD+N (22Hz to 22kHz) : 0.002% or better (1kHz @ +4dBu, Dynamic Range : 110dB or better, Propagation Delay : 4ms or better, Sampling Rate : 48kHz, A/D-D/A Converters : 24-bit or better, Operating temperature: at least 0-40 degree celcius or better, Processor Type : 32-bit floating point or better, Phantom Power : +48VDC, Display(s) Single OLED display at front of device, Factory service micro-USB/LAN. The programming should be open architecture. The device should be 19" rack mountable with no more than 1U. Compliances: CE, FCC, RoHS.
		Preferred Make: Xilica/Biamp/Symetrix
B-11	Microphone with lavalier mic	Wireless microphone system which includes transceiver and 1 unit of body pack transmitter. Body pack transmitter should have inbuilt omnidirectional mic having frequency response 20 Hz – 20 kHz. System operating in the 1880–1900 MHz frequency range with a dynamic range of 110 dB or better and a range of 45-50 meters. It should offer less than 0.03% total harmonic distortion (THD) and 24-bit/48 kHz digital audio processing. Audio networking is supported via Dante and AES67, with AES 256-bit encryption for secure transmission and a latency of 19 ms – 25 ms. The system should support up to two simultaneous transmitters (handheld, bodypack and boundary) and should automatically scan and assign frequencies while avoiding RF interference. The transceiver should include integrated charging docks compatible with handheld, bodypack and boundary transmitters, with battery runtimes of at least 16 hours for bodypack or if battery run time is 8hr – 10 hours, then consider additional two batteries as per IIMS requirement. Internal or external charger must charge mentioned microphone or its battery. If the system doesn't have access point transmitter, then APT must be provided as external. Transmitters feature: mute/unmute buttons and display indicating mute status, RF range and battery life in hours and minutes. The receiver should support both Dante and analog audio interfacing for integration with modern or legacy systems and should include a compact 5x5 audio mixer with Dante (If internal mixer is not there, provide external 6 channel mixer which supports DANTE), analog and USB audio I/O. It should also feature Acoustic Echo Cancellation (AEC), Noise Reduction (NR), Automatic Gain Control (AGC) and Parametric EQ (PEQ) or if system



		doesn't have in-built DSP, please provide external 8In x 8Out DSP with all these features for optimal audio performance. A web-based GUI is preferred for configuration and should be certified to work with Industry standard Video conferencing solutions i.e. Microsoft Team & Zoom. Preferred Make: Sennheiser/ClockAudio/Shure
B-12	12x Optical Zoom Tracking Camera for Presenter	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 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 should be controlled via RS232 and IP. Should support multiple video streams with PIP. Tracking Camera should support Everywhere Tracking, Partition Tracking, Auto Framing & Gesture Control. Should support PoE and Virtual USB Driver. Camera should be controlled and manageable through centralized software on network. Quoted model should be BIS, CE, Clickshare, FCC & RoHS Certified with Test Lab Reports. Preferred Make: Sony/Lumens/Vaddio
B-13	12x Optical Zoom for Audience	Full HD PTZ Camera supporting 1080p at 60 Frames per Second, minimum 12X Optical Zoom with FoV of minimum 70 degree and minimum 255 presets. Camera should support simultaneous outputs through HDMI, USB 3.0 & IP with Audio In and controllable via RS232/422 and IP. Panning angle -170° ~ +170°, Tilting angle -30° ~ +90. Camera should support SRT, PoE & should be compatible with Virtual USB Driver. Camera shall be controllable and manageable through centralised software on network. Quoted model should be BIS, Clickshare, CE, FCC & RoHS Certified with Test Lab Reports. Preferred Make: Sony/Lumens/Vaddio
B-14	Video Mixer	Video Mixer cum Processor which can enable Voice Tracking through Ceiling Tiles/Microphones via IP. The Processor should be capable of connecting minimum 8x Ceiling Tiles with 4x IP based PTZ Cameras for Quadview output and Auto Switching. The processor should have USB-C & HDMI Output. Quoted model should be BIS, CE, FCC & RoHS Certified with Test Lab Reports. Preferred Make: Lumens/Crestron/Kramer



B-15	HDMI Transmitter	HDMI Transmitter over Cat 6 (HDBaseT) up to 70m with Input 1 HDMI, Cat6 (HDBaseT) Output, 4K@60 4:4:4, HDCP 2.2 Compliant, with CEC, IR and RS-232, Compliance: CE, etc complete as required. Preferred Make: Lightware/ Kramer/ RGB Spectrum
B-16	HDMI Receiver	HDMI Receiver over Cat 6 (HDBaseT) up to 70m with Input 1 Cat6 (HDBaseT), 1 HDMI Output, 1080p, 2K and 4K@60 4:4:4, HDCP 2.2 Compliant with IR and RS-232, Compliance : CE, etc complete as required. Preferred Make: Lightware/ Kramer/ RGB Spectrum
B-17	CaptureVision System	Recording, Streaming & Webcasting Hardware simultaneously, Built-in 2x HDMI & IP Inputs with 2x Line Inputs, 2x HDMI Outputs. The system should be capable to record up to any two inputs simultaneously in a single frame and as well as individual sources simultaneously. Should have minimum 1TB inbuilt storage and can be connected to local NAS storage. The system should be able to support minimum 3 unicast streams. The recorded files should have the option of time and date stamp. Preferred Make: Lumens/Kramer/RGB Spectrum
B-18	Wireless presentation	Wireless presentation & Video conferencing devices supporting video resolution up to 4K, with 1 HDMI & 1 Display Port output, 1 Ethernet port, 4 USB port for connecting keyboard, mouse, USB camera, USB mics, etc, Support for iOS, Windows and Android operating systems, display for minimum 6 users screen with 1 display & 12 users screen using 2 displays, Support for DHCP, Audio out, support for annotation & whiteboard feature, content should be watched on connected smartphones, iPhone, iPad, Laptops, MacBooks & at the same time users can zoom the content for clarity & do annotation from their devices. User should be allowed to install any third-party application on the device like MS Teams/Zoom/Blue Zeans/Any soft VC App. Device can be used for soft VC application, connect 252 participants simultaneously, Certification: CE, etc. Preferred Make: Mersive/ Kramer/ Barco
B-19	Control System	Control System, Hardware Platform with 1 Instance, Ports: 3 USB: On 2 USB 3.0 connectors and 1 USB connector, 1 LAN: On an RJ-45 connector, Inputs 1 HDMI: On a female HDMI connector, Outputs 1 HDMI: On a female HDMI connector, General Processor: Intel Gemini Lake QC SOC, Main Memory: 4GB LPDDR4 (2400), Storage: 32GB eMMC, Networking: 1 x Gigabit LAN, Wi-Fi 802.11 ac/b/g/n dual band, VESA mount. Preferred Make: Extron/ Kramer/QSC



B-20	Touch screen panel	8-inch IPS color screen Touch panel, screen resolution 1280 X 800, brightness 350cd/m2, contrast ratio 1000:1, 16:10 aspect ratio, $\pm 80^\circ$ horizontal and vertical wide viewing angles, ambient light sensor, proximity sensor. Should have inbuilt Wi-Fi 6, 802.11 a/b/g/n/ax/ax & Bluetooth 5.0, Ethernet: 10/100/1000 Mbps LAN, capacitive multi touch technology, multi-touch points and 2-finger gesture capabilities., System Memory: 4GB LPDDR4, Internal Storage Memory: 32GB eMMC, support video format H.264 / H.265, VC-1, MPEG-4, VP9/VP8, Support for Image Codecs: JPEG, BMP, GIF, PNG, Should have front 5MP FF camera, Customized GUI using same OEM GUI Software, Power over Ethernet (PoE) 802.3af Certification: CE, FCC, UL, RoHs, WEEE. Preferred Make: Extron/Kramer/QSC
B-21	HDMI Matrix Switcher	4K@60Hz 4:4:4 4X4 HDMI Matrix Switcher, 4 HDMI inputs, 4 HDMI Outputs, audio embedding for each HDMI inputs & audio de-embedding for each HDMI output, 4 balanced audio stereo audio outputs & 4 S/PDIF output on female RCA connectors, 2K and 4K support, HDCP 2.2 Compliant, data rate 18Gbps, 4 Preset configurations, Support for HDR10, xvYCC color, Dolby TrueHD/DTS-HD Master Audio, 3D Video, Controllable through Ethernet and RS-232, Certification: CE, etc complete as required. Preferred Make: Lightware/ Kramer/ RGB Spectrum
B-22	Table	Wooden/Digital Interactive Podium, 4X2 Feet Wooden Top with Motorized Tilting of the Interactive Panel, with provision to install Gooseneck Microphone, Interactive panel, Keyboard Tray and space to store AV equipment and PC. The Podium should be table type having cable manager with power socket, USB, VGA, HDMI and CAT 6 etc. The same should be made from 18mm FR Plywood of ISI mark and design should be approved by IIMS before supply. Podium should be supplied with Wacom tablet 15inch or higher. Preferred Make: Custom
B-23	HDMI DA	1x2 HDMI Distribution amplifier. Max. Data Rate — 6.75Gbps (2.25Gbps per graphic channel). It shall be HDTV Compatible and HDCP Compliant. HDMI Support — Deep Color, x.v.Color, Lip Sync, CEC. 3D Pass-Through. EDID Pass-through. Preferred Make: Lightware/ Kramer/ RGB Spectrum
B-24	USB Switcher	4x1 USB 3.2 switcher with two USB-C and two USB-B host ports, supporting up to 10 Gbps data transfer and automatic or manual host switching to share USB peripherals among multiple devices. It provides three USB-A and one USB-C



		device ports, USB-C Power Delivery 3.0 charging up to 60 W for connected hosts and total device charging current up to 2A. The unit shall include an Ethernet (LAN) port with PoE support, RS-232 and GPIO for control, shall offer browser-based management and firmware upgrades. Preferred Make: Lightware/ Kramer/Extron
B-25	N/W Switch	24-port network switch with switching capacity of 56Gbps. Standard 802.1d Spanning Tree support. Support for IEEE 802.3ad Link Aggregation Control Protocol. Support for up to 4094 VLANs simultaneously. Should support 2000 multicast groups. Preferred Make: Cisco/Alcatel/HP/Netgear
B-26	Racks Cable and Connectors	Racks of appropriate size, Cables and Connectors as per the site requirement.
Package - C EXISTING NORMAL CLASSROOMS Number of Classrooms - 7 (SEVEN) Classrooms Quantities indicated are for all the 7 (Seven) Classrooms		
Sr. No.	Item Description	Technical Specifications
C-1	Microphone with lavalier mic	Wireless microphone system which includes transceiver and 1 unit of body pack transmitter. Body pack transmitter should have inbuilt omnidirectional mic having frequency response 20 Hz – 20 kHz. System operating in the 1880–1900 MHz frequency range with a dynamic range of 110 dB or better and a range of 45-50 meters. It should offer less than 0.03% total harmonic distortion (THD) and 24-bit/48 kHz digital audio processing. Audio networking is supported via Dante and AES67, with AES 256-bit encryption for secure transmission and a latency of 19 ms – 25 ms. The system should support up to two simultaneous transmitters (handheld, bodypack and boundary) and should automatically scan and assign frequencies while avoiding RF interference. The transceiver should include integrated charging docks compatible with handheld, bodypack and boundary transmitters, with battery runtimes of at least 16 hours for bodypack or if battery run time is 8hr – 10 hours, then consider additional two batteries as per IIMS requirement. Internal or external charger must charge mentioned microphone or its battery. If the system doesn't have access point transmitter, then APT must be provided as external. Transmitters feature: mute/unmute buttons and display indicating mute status, RF range and battery life in hours and minutes. The receiver should support both Dante and analog audio interfacing for integration with modern or legacy systems and should include a compact 5x5 audio mixer with Dante (If internal mixer is not there, provide external 6 channel mixer which supports DANTE), analog



		and USB audio I/O. It should also feature Acoustic Echo Cancellation (AEC), Noise Reduction (NR), Automatic Gain Control (AGC) and Parametric EQ (PEQ) or if system doesn't have in-built DSP, please provide external 8In x 8Out DSP with all these features for optimal audio performance. A web-based GUI is preferred for configuration and should be certified to work with Industry standard Video conferencing solutions i.e. Microsoft Team & Zoom. Preferred Make: Sennheiser/ClockAudio/Shure
Package - D ALL CLASSROOMS Number of Classrooms - 24 (TWENTY-FOUR) Classrooms Quantities indicated are for all the 24 (Twenty-Four) Classrooms		
Sr. No.	Item Description	Technical Specifications
D-1	Desktops	Form Factor: <u>All-in-one</u> 14th Generation Intel Core i7-13700 (2.10 GHz to 5.10GHz), 30 MB cache, 16 cores, 20 threads or higher or equivalent AMD processor, Intel Q670 Chipset or higher or equivalent AMD Chipset, 32GB (1x32GB) DDR5 or Higher, 3200 MHz RAM or higher, expandable up to 64 GB, Integrated Intel UHD Graphics or equivalent AMD Graphics, 512 GB PCIe 4.0 NVMe M.2 SSD, 23.8 inch or higher display, FHD, Anti-Glare, WLED, Touch, 250 Nits, Wide Viewing Angle, Tilt, swivel and height adjustable stand with flexibility with built-in FHD Camera, Security: Discrete TPM 2.0 with Chassis Intrusion switch, Wireless Keyboard, Wireless Mouse with Mouse Pad, Integrated Gigabit Ethernet LAN, Wi-Fi 6.0 or Higher, Bluetooth 5.2 or higher, 2 x 3W stereo speaker, built-in Mic, 5MP/5MP + IR Camera, 1 x RJ-45 port Gigabit, 8 x USB ports with minimum 2 x USB 3.2 Gen, 1 x Type-C port, headphone and microphone combo, 1 x DP 1.4, 1 x HDMI, Windows 11 Professional 64 bit, Certified For OEM: ISO 9001: 2008, BEE/BIS Certificate, Microsoft hardware Certification, Power Supply: <=100 Watts AC Adapter, To be supplied with required accessories, connecting cables, Power Adapter and driver media. Preferred Make: Dell/HP/Acer



Package - E		
Number of Classrooms – 12 (TWELVE) Classrooms		
E-1	Onsite Manpower	Deployment of One onsite engineer for managing the AV facilities proposed to be deployed in Five classrooms and Mics in Seven classrooms on daily basis

4. Installation requirements:

- The Vendor shall execute the installation of the ordered equipment with due care and diligence, ensuring that no damage is caused to existing installations and that no disruption or interference is caused to ongoing works being carried out by other agencies at the Site.
- The Vendor shall coordinate and cooperate fully with all other agencies engaged by IIMS at the Site and shall plan and execute its work in a manner that ensures seamless integration with concurrent activities.
- The Vendor shall, at its own cost and responsibility, comply with all applicable statutory requirements, rules, regulations, codes and standards governing the installation, commissioning and operation of the audio-visual systems, desktops and associated facilities.
- The Vendor shall be solely responsible for obtaining, in a timely manner, all requisite permissions, approvals, licenses and clearances from the relevant statutory and regulatory authorities required for the execution and operation of the works under the Contract.

5. Manufacturer Authorization Form (MAF):

If the Bidder is not the manufacturer of any of the quoted products, the Bidder shall mandatorily submit Bid-Specific Authorization Certificates from the respective Original Equipment Manufacturers (OEMs), duly signed and sealed, on the OEM's official letterhead, failing which the bid shall be liable for rejection.

SECTION – VI

SPECIAL CONDITIONS OF THE CONTRACT

- The institute reserves the right to select either Items A-1 and A-2 or Item B-1 for Packages A and B.
- All equipment supplied under this Contract shall be complete in all respects, including provision of appropriate power cables. The equipment shall be suitable for operation on 230V, 50 Hz, single-phase AC power supply and all power cables shall be fitted with 3-pin plug tops rated at 5A or 15A, as applicable, conforming to relevant Indian electrical standards.
- All equipment to be supplied under the Contract shall be industry-proven products and shall not be prototype, experimental or R&D models. The equipment shall conform to the requirements of applicable Indian and international standards.
- All components of each system shall be sourced from the same Original Equipment Manufacturer (OEM). Assembled products comprising components of multiple makes, as well as refurbished or reconditioned products, shall not be accepted.



- e) The System Integrator (SI) (hereinafter referred to as the “Bidder”) shall ensure that the products, technologies and services proposed are not declared End-of-Life (EOL) by the respective OEM at the time of bid submission. Further, the EOL of the proposed products shall not occur earlier than one (1) year from the date of commissioning of the project.
- f) The quoted model shall not be declared End-of-Sale/End-of- Support within five years from the date of commissioning. In case the quoted model is declared End-of-Sale/End-of-Support during the contractual period, the OEM shall provide equivalent successor equipment/support at no additional cost to IIMS, subject to applicable technical requirements.
- g) The Bidder shall ensure the availability of spares and technical support, including upgrades, for a minimum period of five (5) years from the date of commissioning of the project.
- h) During the warranty period, any defective component or sub-component shall be replaced with a brand-new spare part bearing the same OEM part number. In exceptional cases of non-availability of the identical part, a fully compatible spare with a different OEM part number may be accepted, subject to prior approval of the Purchaser; provided that such replacement shall be brand new and sourced from the OEM.
- i) The Bill of Quantities (BOQ) provided by IIMS is indicative and reasonably exhaustive; however, the Bidder shall independently assess and include any additional items, components or services required for the successful and complete execution of the scope of work. Any such additions shall be clearly identified and itemized in the Bid.
- j) Only those Bidders who have quoted for the complete scope of work in all respects, in accordance with the tender requirements, shall be considered for evaluation.

SECTION – VII

STANDARD CONDITIONS OF THE TENDER

- **Compliance to Make in India:**

Bids have to comply to Make In India (Make in India Circular No. P-45021/2/2017-PP(BE-II) of DPIIT dated 16.09.2020) and Land Border sharing OM & Order (Public Procurement No.1) ref. F.No.6/18/2019-PPD dated 23.07.2020 and subsequent addendums/ amendments. Since the Estimated Cost of Tender is below Rs. 10 Crores, the Bidder must submit self-certification for Local Content as per Annexure – VI on a Non-Judicial Stamp Paper Costing Rupees 100/- (One Hundred Only). All the Pages of the Document must be signed by the certifying authority. Percentage of Local Content shall be calculated on the overall Bid level. Only “Class-I local supplier” having minimum 50% local content and “Class-II local supplier” having minimum 20% local content for the overall solution, shall be eligible to bid in this procurement. The bidder has to submit the consolidated MII (local content) % for the complete solution being offered as per Annexure - VI.

Public Procurement (Preference to Make in India) Order, 2017, as amended from time to time, including amendments applicable as on the date of publication of this tender.

Preferred Make/Model: The make/model specified in the tender is only a preferred/reference model for indicating the desired technical, functional and performance requirements. Bidders



may offer equivalent or superior products of any OEM, subject to full compliance with the prescribed specifications and other tender requirements. Evaluation shall be based on compliance with the stipulated specifications and eligibility criteria and not merely on the preferred make/model.

- **Authorized signatory:**

Where the Bid is submitted by or on behalf of a company incorporated under the Companies Act, 1956 (or any statutory modification or re-enactment thereof), the Bid shall be signed by the Managing Director or by a Director or by a person duly authorized for this purpose.

- **Site Inspection and Familiarization**

The Bidder is advised to visit and inspect the Site, at its own cost and risk, to fully acquaint itself with the scope of work, site conditions, access, availability of utilities and all other factors that may affect the execution of the Contract. The Bidder shall also thoroughly examine the tender documents, including all terms and conditions.

Submission of the Bid shall be deemed to constitute full knowledge of the Site conditions, scope and requirements of the Purchaser and the Bidder shall be deemed to have satisfied itself as to all relevant matters. No claim whatsoever on account of lack of such knowledge, misunderstanding or otherwise shall be entertained at any stage. The rates quoted in the Bid shall be deemed to be firm and valid under all conditions and circumstances.

- **Bid Validity:**

The Bid shall remain valid and open for acceptance for a period of one hundred and twenty (120) days from the date of opening of the Commercial Bid. Any Bid valid for a shorter period shall be liable for rejection.

- **Price and Scope of Rates:**

The rates quoted by the Bidder shall be comprehensive and inclusive of all costs, including but not limited to transportation of equipment to the Institute, loading/unloading, installation, testing, commissioning, integration and all applicable taxes and duties, including GST, entry tax and any other statutory levies. No claim for additional payment on any account whatsoever shall be entertained after submission of the Bid. Any charges not included in the quoted price shall be explicitly indicated in the Bid, failing which it shall be deemed that all such costs are included in the quoted rates.

- **Alteration of Tender Documents**

No alteration, modification or conditional stipulation in the tender documents shall be permitted by the Bidder. Any Bid containing such alterations or deviations shall be liable for rejection.

- **Training requirements:**



The Vendor shall provide comprehensive Operation and Maintenance (O&M) training to the personnel of IIMS associated with the audio-visual systems and facilities. Such training shall be conducted on-site and shall include both group sessions and individualized instruction, as required, to ensure effective operation, routine maintenance and troubleshooting of the systems. All costs associated with the training, including training materials and resources, shall be deemed to be included in the Contract Price and no separate payment shall be admissible on this account.

- **Scrutiny of the Offers:**

- a. Prior to the detailed evaluation, IIMS will determine whether the Bidder qualifies for participating in the tender process based on the pre-qualification conditions as stipulated in this tender. Offers from the Tenderers/ Bidders not meeting the pre-qualification criteria specified will be summarily rejected. Offers received will be subjected to the substantial responsiveness of each offer to the tender document. For purpose to these clauses, a substantially responsive bid is one which conforms to all the terms and conditions of the Tender Document without material deviations. IIMS's determination of an offer's responsiveness is to be based on the contents of the Tender itself. IIMS will scrutinize the offer to determine whether the offer is complete, whether required technical details/documentation have been furnished, whether the documents have been properly signed and whether the offer is in order. Substantially responsiveness of the technical offer in the tender will be decided based on the proposed solution. A tender offer determined as not substantially responsive will be rejected.
- b. Offers of the eligible Bidders found technically meeting IIMS's requirements will be pre-qualified for further processing. Offers not meeting technical requirements of IIMS will be rejected.
- c. Financial bids of only shortlisted bidders will be opened and order will be placed with the L1 bidder
- d. IIMS reserves the right to alter and revise the technical specifications or the required quantity of the items at any point of time. In case of such alteration, the Vendor shall be duly notified.
- e. IIM Sirmaur reserves the right to issue clarifications/corrigenda before the bid submission deadline. Any material change in the scope, specifications or quantities after submission of bids shall be dealt with in accordance with applicable procurement rules and contractual provisions.

- **Delivery Schedule and Penalty for Delay:**

The project has to be completed in 60 days' time. Penalty at the rate of 0.5% or part thereof of the order value per week, subject to a maximum of 2.5% will be imposed for delayed delivery and installation.

- **Payments:**

- 50% of the order value after receipt of material
- 30% of the order value after successful installation and commissioning
- Remaining 20% of the order value shall be released over the warranty period, distributed annually as follows: 2% at the end of the 1st year, 3 % at the end of the 2nd year, 4% at the end of the 3rd year, 5% at the end of the 4th year and 6 %



at the end of the 5th year, subject to satisfactory performance during each respective year.

- **Warranty:**

The equipment and the facilities so deployed shall carry **Five-year comprehensive on-site warranty.**

- **Contact Details:**

Contact details of the person for all post sales/installation maintenance support:

Name & Designation:

Phone No:

Fax No:

Mobile:

E-mail:

- **Operation and Management (O&M):**

The Vendor will be required operate and manage the facility deployed for a period of 5 (Five) years from the date of completion of the project. During the O & M period, 1 (one) qualified technician has to be stationed at site for the trouble-free performance of the audio-visual equipment. **The Rates quoted by the bidder should be inclusive of O & M charges for a period of 5 (Five) years.**

a) Responsibilities of the Vendor during O&M:

- Fully support, configure, maintain AV system.
- Install and integrate new AV device hardware and applications
- Resolve problems reported (hardware/software) by end user.
- Performing routine inspections, cleaning and testing of equipment (microphones, mixers, projectors, displays etc.) to prevent sudden failures.
- To maintain sufficient inventory of the critical equipment such as microphones, mixers, projectors, displays etc.)
- Keeping AV equipment, control panels, streaming platforms etc. updated and optimized for performance
- Handling immediate replacement of the failed parts/equipment
- Submit monthly, quarterly, six monthly and annual reports with regards to maintenance of the facility

b) Qualification of the Site Engineer/Technician:

Role	Qualification	Job-Description & relevant experience
AV Engineer	B.E/B.Tech (CS/IT/ECE/Electronics) Or BCA OR	At least 02 years of experience in working on Audio Video devices.



	Three-year technical diploma in (CS/IT/ECE/Electronics)	At least 04 years of experience in working on Audio Video devices
--	---	---

The Site Engineer/Technician will have 6 days a week working schedule. In case of leave for more than 2 days a successful bidder will provide suitable replacement. In case the performance of the person is not found up to the expectations of IIMS, successful bidder will provide immediate replacement.

c) Service Level Agreement (SLA):

The successful bidder has to sign SLA in regard to O&M as per the format given in ANNEXURE VIII.

- Placing the Order:**

The Bid submitted shall clearly mention the name of the firm/person in whose favor the Order is to be placed. Any request made after submitting the Bid for changing the name of the firm in whose favor the Order is to be placed shall not ordinarily be entertained.

- Income Tax:**

Every Bidder shall furnish along with the Tender the latest Income Tax Clearance Certificate without which his/her tender is liable to be rejected. The Institute will deduct amount towards Tax Deducted at Source (TDS) as per the latest Income Tax Rules from all payments made to the supplier/contractor.

- Termination of Contract:**

IIMS reserves the right to terminate the contract for any reason at its absolute discretion including, but not limited to the following:

- If the Vendor is adjudicated insolvent by a Competent Court of Law or files for insolvency or the Agency's Company is ordered to be wound up by a Competent Court.
- Vendor commits any material breach of the terms of this contract with IIMS or if found guilty of any malpractice in the performance of the Contract.
- If any charge-sheet is filed by the Competent Authority of the Government against the Vendor is convicted by a criminal court on grounds of Moral turpitude.
- In the event of non-satisfactory service or failure on the part of the Vendor or if the Vendor shall neglect to execute the Contract with due diligence or expedition or shall refuse or neglect to comply with any reasonable order given to him by IIMS in connection with the Project or shall contravene the provisions of the Contract, IIMS shall have the option to terminate the Contract by giving one month notice and may get the procurement executed (either in part or in whole, as the case may be) by any alternate sources at the Vendor's risk and cost. In such an event the Vendor shall have no claims whatsoever against IIMS in consequence of such termination of the contract. The decision of IIMS in terminating the contract will be final and binding on the Vendor.

- Force Majeure:**



If either party is prevented from the performance of its obligations in whole or in part for reasons of Force Majeure, viz., acts of God, acts of Government, acts of public enemy, war, hostility, civil commotion, blockade, sabotages, riots, fire floods, earthquake, explosions, epidemics, strike and lawful lockout, the period of Force Majeure shall be excluded accordingly. If Force Majeure event(s) continue beyond the period of three months, the parties shall hold consultation to chalk out the further course of action. Neither party can claim any compensation from the other party on account of Force Majeure.

- **Conflict of Interest**

The Bidder shall declare that it has no actual or potential conflict of interest with IIM Sirmaur or its officials involved in the procurement process. The Bidder shall also disclose whether it or its associated entities have participated in the preparation of the tender specifications or have any common ownership, management or control with any other Bidder participating in the Tender.

Any false declaration or material non-disclosure of conflict of interest may result in rejection of the bid, cancellation of award, or termination of the contract, as applicable under the Tender conditions and prevailing Government procurement rules.

- **Conciliation:**

Any dispute or difference whatsoever arising between the parties relating to or arising out of Contract, shall be settled first by Conciliation in accordance with the Govt. Rules and settlement so rendered between the parties in pursuance thereof shall be final and binding on the parties. Reference to Arbitration shall be made only when the Conciliation has failed.

Dispute Resolution

Any dispute arising out of or in connection with the Contract shall be resolved in accordance with the provisions of the Arbitration and Conciliation Act, 1996, as amended from time to time, and other applicable Government provisions.

- **Accommodation, Gate Pass, etc.:**

The Vendor shall be responsible for obtaining gate passes for its personnel in connection with the execution of the project. IIMS in this regard shall provide necessary assistance to obtain gate pass.

- **Institute to be indemnified:**

The Contractor shall at all times indemnify and keep indemnified the Institute and its officers, servants, agents and any other guest or person moving in the Campus Area premises from and against all third party claims whatsoever (including but not limited to property loss and damage, personal accident, injury or death of/to property or person of any Sub-contractor and/or the servants or agents of the contractor, any sub-contractor(s) and/or the Institute) and the contractor shall at his own cost and initiative at all times up to the successful conclusion of the Operation & Management period specified in Clause 22 hereof take out and maintain all insurable liabilities under this Clause, including but not limited to third party insurance and liabilities under the Motor Vehicles Act, Workmen's Compensation Act, Fatal Accidents Act, Personal Injuries Insurance Act, Emergency Risk Insurance Act and/or other Industrial Legislation from time to time in force in India.



- **Subcontracting:**

The bidder will not subcontract or permit anyone other than the BIDDER personnel to perform any of the work, services or other performance required of the BIDDER under this agreement without the prior written consent of the IIMS.

- **Confidentiality:**

The Bidder acknowledges that all material and information which has and will come into its possession or knowledge in connection with this agreement or the performance thereof, whether consisting of confidential and proprietary data or not, whose disclosure to or use by third parties may be damaging or cause loss to IIMS will all times be held by it in strictest confidence and it shall not make use thereof other than for the performance of this agreement and to release it only to employees requiring such information and not to release or disclose it to any other party. The Bidder agrees to take appropriate action with respect to its employees to ensure that the obligations of non-use and non-disclosure of confidential information under this agreement are fully satisfied. In the event of any loss to the IIMS in divulging the information by the employees of the Bidder, IIMS shall be indemnified. The BIDDER agrees to maintain the confidentiality of the IIMS's information after the termination of the agreement also.

The BIDDER/IIMS will treat as confidential all data and information about the BIDDER/IIMS/Contract, obtained in the execution of this tender including any business, technical or financial information, in strict confidence and will not reveal such information to any other party.

- **Testing & Acceptance by IIMS:**

- All the items supplied under this contract shall be verified by IIMS to confirm that all the hardware supplied matches to the specifications and all the equipment are in good, working condition and are free from any physical defects/damages, till the time of site handover.
- Any other test(s), as IIMS may deem fit, so as to confirm the performance or to establish the technical specifications of either individual hardware item or for the integrated operation of network, shall be done by Supplier at the Site. Should the results of these tests show any deficiency from the corresponding specifications or operation is not up to the desired level of performance, Supplier shall do the necessary replacement so as to make the Hardware items to function at the desired level of performance. All costs for such replacements shall be borne by Supplier.
- After satisfactory completion of acceptance tests and installation of the equipment/systems/software by the Vendor, the acceptance certificate will be issued by the IIMS in writing after which the Equipment shall be handed over to IIMS.
- Acceptance or waiver of tests will not relieve the Vendor from the responsibility to furnish material in accordance with the specifications.



- IIMS reserves the right to conduct any testing/benchmarking of previously approved materials at any stage before taking over of the system and if the same reveal noncompliance to the specifications, the Vendor shall take necessary action so that the material/system/software conforms to the specifications to the satisfaction of the Engineer In-Charge.

SECTION – VIII

TECHNICAL & FINANCIAL EVALUATION

Stage 1: Technical Evaluation:

- Submission: Participating bidders must upload all requisite documents as specified in the checklist at Annexure-I to IX.
- Evaluation: The evaluation committee will review the submitted documents. Only bidders who meet all technical criteria will be shortlisted for the next stage.
- Result: The list of technically qualified bidders will be officially published on the CPP Portal.

Stage 2: Financial Evaluation:

- Submission: Participating bidders must submit their financial quotes using the Bill of Quantities (BOQ) format provided in Annexure-X.
- Evaluation: The evaluation committee will open the financial bids only for the technically qualified bidders to determine the Lowest 1 (L1) bidder.
- Result: The final results and the selection of the financially qualified L1 bidder will be published and uploaded to the CPP Portal.



ANNEXURE - I

FOR SUPPLY, INSTALLATION, TESTING and COMMISSIONING of AUDIO-VISUAL (AV) EQUIPMENT, DESKTOP COMPUTERS and O&M FOR THE CLASSROOMS IN THE INSTITUTE CAMPUS

(NIT No. IIMS/PUR/AV EQUIPMENT/05/2026-27 Dated 16.09.2026)

Bidder's credentials for Pre-qualification

Sr.	Clarification sought	Details to be furnished	
1	Name of the authorized signatory Contact Address Email Address: Telephone No. Mobile No.		
2	Type of company/organization (please tick)	☐ Private Limited Company ☐ Public limited Company ☐ Others (specify)	
3	Year of Incorporation		
4	Has the company/organization ever been black-listed by Govt. of India, if No, please attach a self-deceleration		
5	Average annual turnover during the financial years:	YEAR	AMOUNT (Rs lakhs)
		2023-24	
		2024-25	
		2025-26	
6	Confirm whether the company/organization is a systems integrator with proven skills and experience in designing, setting up, operating and maintaining similar AV systems and facilities? Please attach the completion certificate as a proof for expertise		
7	Number of similar projects executed during last 5 years:	Value	Number
		Not less than 135 lakhs	
		Not less than 165 lakhs	
		Not less than 265lakhs	
8	Total number of above projects executed during last 2 financial years		
	Number of qualified technical personnel	ALL INDIA	
		Himachal Pradesh	
9	Confirm whether company/organization has local support facility (please tick)	☐ YES ☐ NO	

[Note: Please attach documentary proof in support of the information furnished above, wherever necessary, duly signed by the authorized signatory]

Date:

(Signature of Authorized Signatory)

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ANNEXURE - II

**UNDERTAKING FROM THE BIDDER
(On Company's/Firm's Letter Head)**

To
The Director
Indian Institute of Management Sirmaur
IIM Sirmaur Campus, Dhaula Kuan, Distt. Sirmaur, Himachal Pradesh
Pin: 173031

1. I/We hereby unconditionally accept all terms and conditions mentioned in the Bid for "Supply, Installation, Testing and Commissioning of Audio-Visual (AV) Equipment and Desktop Computers and Operations and Management for the Classrooms in at IIM Sirmaur campus."
2. I/We hereby undertake that all the information provided in the Bid is true and if any information is found to be false or have been suppressed by me the Bid is liable to be rejected.
3. The warranty/guarantee on the items proposed will be for Five years. The bidder undertakes to repair/replace the entire equipment or the defective/damaged part at no cost to IIM Sirmaur during the warranty period.
4. I/We hereby certify that the Firm/Company is free from encumbrance and there was no vigilance / CBI enquiry or Court Case against us in the past and any such enquiry / case are pending against us.

Date:
Place:

(Authorized Signatory)
Name & Designation
Name of the Agency & Address



ANNEXURE - III

FORMAT OF BID SECURITY DECLARATION FROM BIDDERS IN LIEU OF EMD (On Bidders Letter head)

I/We, the authorized signatory of M/s, participating in the subject tender No IIMS/AV/05/2026-27 for "Supply, Installation, Testing and Commissioning of Audio-Visual (AV) Equipment and Desktop Computers and Operations and Management for the Classrooms in at IIM Sirmaur campus do hereby declare:

1. That I/we have availed the benefit of waiver of EMD while submitting our offer against the subject Tender and no EMD being deposited for the said tender.
2. That I/we have exempted from EMD and here by submitting the supporting documents (MSME/Udhyam certificate) along with the Bid Security Declaration (Under GFR rule 170).
3. That in the event we withdraw/modify our bid during the period of validity Or I/we fail to execute formal contract agreement within the given timeline OR I/we fail to submit a Performance Security within the given timeline Or I/we commit any breach of Tender Conditions/Contract will attracts penal action as applicable and the matter will be escalated to the appropriate authority for suitable action.

Date:
Place:

(Authorized Signatory)
Name & Designation
Name of the Agency & Address



ANNEXURE - IV

**AFFIDAVIT CERTIFYING THAT THE BIDDER IS NOT BLACKLISTED /
DEBARRED OR NOT INDULGED IN CORRUPT OR FRAUDULENT PRACTICES**
(On Rs. 100/- Non-Judicial Stamp Paper)

Certified that,

I/We have not been debarred or Blacklisted or Suspended from any department of Government of India/State Government/PSU/any other Government/Semi Government Department, etc., during the last Five (05) years from the bid due date.

I/We have not directly, indirectly or through an agent engaged or indulged in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice, in respect of any tender or request for proposal issued by or any Agreement entered with Authority or any other public sector enterprise or any government, Central or State.

Date:
Place:

(Authorized Signatory)
Name & Designation
Name of the Agency & Address



ANNEXURE - V**CHECK LIST****(To be filled in by the bidder for the Technical Bid)**

1. Name of the Bidder:
2. Complete Office Address:
3. Contact No:
4. Email ID:
5. Bidder's Website (if any):

Sl. No.	Description	Remark	Attached (Yes/No) If Yes Page No
1	Bidder's credentials for Pre-qualification (ANNEXURE – I)		
2	Undertaking duly signed by the Bidder (Annexure - II)		
3	EMD remittance details: Rs. _____/-	DD No: Amount: Date:	
4	Format of bid security declaration from bidders in lieu of EMD (Annexure - III)	Yes/No	
5	Declaration about not being black-listed duly signed by the tenderer. (Annexure - IV)	Yes/No	
7	The Tenderer should provide warranty/guarantee and Free Service for a period of FIVE Years from the date of installation. Undertaking this effect shall be furnished in Annexure - II	Yes/No	
8	MSME/Udhyam registered (If applicable)	Copy to be attached	
9	Any other additional information	Copy to be attached	
10	Technical Bid		
11	Financial Bid		
12	Any other information that may be relevant to this bid		

I/We.....
.....hereby declare that the particulars furnished by me/us in this offer are true to the best of my/our knowledge and I/We understand and accept that, if at any stage, the information furnished by me/us are found to be incorrect or false, I/We am/are liable for disqualification from this tender and also liable for any penal action that may arise due to the above, besides being black listed.

Date:
Place:

(Authorized Signatory)
Name & Designation
Name of the Agency & Address

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ANNEXURE – VI

Pre-Bid Query Format

Pre-bid queries should be submitted in .XLS format.

Tender Description				
Tender No.		IIMS/AV Equipment/05/2026-27		
Bidder's Organization				
Address				
Contact Person				
Contact No.				
Mail Id				
S. No.	Clause No.	Page No.	Clause as per Tender	Clarification Sought
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				



ANNEXURE - VII

Self Declaration OR Declaration / Certificate to be provided by Statutory Auditor or Cost Auditor of the Company (in case of companies) or from a practicing Cost Accountant or practicing Chartered Accountant (in respect of suppliers other than companies)

Please submit the certificate as per format given below:

To,

The Director
Indian Institute of Management Sirmaur
IIM Sirmaur Campus, Dhaula Kuan, Distt. Sirmaur, Himachal Pradesh
Pin: 173031

Sub: Tender for

Ref: Tender No. IIMS/AV/2026

We hereby certify:

1. That the goods / software being offered by us vide our proposal, comply with the provisions of Make In India Order No P-45021/2/2017-PP (BE-II), dated 16th Sept 2020 issued by Public Procurement Division, Department of Investment and Internal Trade, Ministry of Commerce, GoI, read with order number W-43/4/2019-IPHW- MeitY, dated 7th September, 2020 issued by IPWH division of MeitY, GoI for respective items.
2. That the information furnished hereinafter is correct to the best of my knowledge and belief and we undertake to produce relevant records before the procuring entity/IIM Sirmaur or any other Government authority for the purpose of assessing the local content of goods/services/works supplied by me for "Tender No. IIMS/PUR/AV EQUIPMENT/05/2026-27 Dated 16.09.2026".
3. That the local content for all inputs which constitute the said goods/services/works has been verified by us and we are responsible for the correctness of the claims made therein.
4. That the goods/services/works supplied by me for "Tender No. IIMS/PUR/AV EQUIPMENT/05/2026-27 Dated 16.09.2026" meets the 'Minimum Local Content 'as defined in the PPPMII order & the overall Local Content is _____%.

It is also certified that, we are not from a country sharing land border with India as defined in order No. F/No/6/18/2019-PPD dated 23 July 2020 issued by public procurement Division, Dept. of Expenditure, Ministry of Finance, GoI and the goods offered by us comply with the provisions of said order (details provided below).

We hereby certify the details pertaining to goods/software offered by us, against the tender requirement is given below:

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Sr No.	Item Description, Make, Model		Country of origin of OEM	Country of Manufacture of item	Percentage of local contents as defined by order number W43/4/2019-IPHW-MeitiY, dated 7th September 2020 issued by IPWH division of MeitiY, GoI *	Details of the location(s) at which the local value addition is made
1.	Category I & II Items with description				Consolidated MII / Local Content for the complete solution declared by System Integrator (SI)/ Bidder	

Note 1: The Country of origin / manufacturing, should be declared for individual items being offered for both Category I & II items.

Note 2: IIM Sirmaur reserves the right to Accept/Reject/Cancel the bid/Bidder, at its sole discretion, based on the responses received against the MII and Land border sharing declarations submitted by the Bidders/vendors.

Note 3: The Bidder, needs to provide the MII/Local content declaration as a consolidated figure for the complete solution. However, location of value addition should be declared for each item.

Date:
Place:

(Authorized Signatory)
Name & Designation
Name of the Agency & Address



ANNEXURE - VIII

SERVICE LEVEL AGREEMENT

1. Purpose:

The purpose of this Service Level Agreement (hereinafter referred to as SLA) is to clearly define the levels of service which shall be provided by the Selected Bidder for the duration of this Agreement. The selected Bidder shall regularly review the performance of the services being provided by the Selected Bidder and the effectiveness of this SLA.

2. Definitions:

For purposes of this Service Level Agreement, the definitions and terms as specified in the Contract along with the following terms shall have the meanings set forth below:

- b. "Incident" refers to any event specifying the service breakage
- c. "Resolution Time" shall mean the time taken (after the incident has been reported, in resolving (diagnosing, troubleshooting and fixing) the issue.

3. Manpower Penalty Clause:

IIM Sirmaur will impose a penalty of Rs. 10,000/- per day of delay in redeployment of manpower.

4. Support Services to be Provisioned:

Service Entitlement	Standard	Days x Hours
Telephone Technical Support	Access to Live Agents at our Support Centre	7 x 24
On-Site Engineering Services	Service Availability	7 x 8
Response Time	4 hours	

5. Responsibility of the Vendor:

- a) Fully support, configure, and maintain AV system.
- b) Install and integrate new AV device hardware and applications
- c) Resolve problems reported (hardware/software) by end user.
- d) Performing routine inspections, cleaning and testing of equipment (microphones, mixers, projectors, displays etc.) to prevent sudden failures.
 - e) To maintain sufficient inventory of the critical equipment such as microphones, mixers, projectors, displays etc.)
 - f) Keeping AV equipment, control panels, streaming platforms etc. updated and optimized for performance
 - g) Handling immediate replacement of the failed parts/equipment



- h) Submit monthly, quarterly, six monthly and annual reports with regards to maintenance of the facility
- i) Ensuring on timely rectification and/or replacement of AV components.
- j) Arranging Standby Hardware, whenever possible.
- k) Tracking Complaint status and periodic update to customer.
- l) Provide regular updates to customer contact.

6. Severity Level Definitions:

Severity Level	Critical	Major	Minor
Definition	Complete loss of a core organizational or business process where work cannot reasonably continue. Catastrophic impact on business. Workflow cannot move forward with the product until the issue is resolved. The issue may be caused by a critical failure that causes data failure or precludes the use of function of the product.	High impact on organizational or business processes. Operation of an existing network is severely degraded, or significant aspects of customer's business operation are negatively impacted by inadequate performance of the products. Inability to deploy a key feature or function. Product usage is affected but can continue for a reasonable amount of time before the problem becomes catastrophic.	Minimal organizational or business impact. Anything which is not Out of service or Major is classified as Minor.
SI's priority	SI's immediate priority is to restore service and not to debug the problem.	SI's immediate priority is to restore/improve service, not debug the problem.	SI's priority is to begin collecting data to debug the problem.

7. Escalation and Notifications:

The SI WILL ensure that all the stakeholders are notified in a timely manner on the status of service request.



In order to ensure issues are resolved within SLA, Successful SI will have to use defined escalation mechanisms. Below is the standard Functional Escalation process to be followed for different severity calls:

Severity of call	Type of call	Tier-II	Tier-III
Severity-1: Critical	Incident	4th Hour	6th Hour
Severity-2: Major	Incident	6th Hour	24th Hour
Severity-3: Minor	Incident	24th Hour	48th Hour

8. Penalty for breach of SLA:

S. No	Fault Resolution – SLA	Time Allocated	Penalty (in % percentage or Rs)
1	Call Resolution (in case of Severity-1 type incident)	< 4 Hrs.	0%
		> 12 hrs.	0.5 % of the unit hardware cost
2	Call Resolution (in case of Severity-2 type incident)	< 6 Hrs.	0%
		> 48 hrs.	0.5 % of the unit hardware cost
3	Call Resolution (in case of Severity-3 type incident)	< 24 Hrs.	0%
		> 60 hrs.	0.5% of the unit hardware cost

9. SLA Review Process :

- Either IIMS or the selected Bidder may raise an issue, by documenting the business or technical problem, which presents a reasonably objective summary of both points of view and identifies specific points of disagreement with possible solutions.
- A meeting or conference call will be conducted to resolve the issue in a timely manner. The documented issues will be distributed to the participants at least 24 hours prior to the discussion if the issue is not an emergency requiring immediate attention.
- IIMS and the selected Bidder shall develop an interim solution, if required, and subsequently permanent solution for the problem at hand. The selected Bidder will then communicate the resolution to all interested parties.
- In case the issue is still unresolved, the arbitration procedures described in arbitration clause will be applicable.



ANNEXURE - IX

Technical Bid

Package - A						
NORMAL CLASSROOMS						
Number of Classrooms - 2 (TWO) Classrooms						
Quantities indicated are for both the classrooms						
Sr. No.	Item/Equipment Description	Qty.	Unit	Make	Model	Technical Specifications of the offered equipment
A-1	Projector for Video projection					Technical Compliance with tendered specifications (Y/N)
A-2	Motorised Screen					
A-3	32inch Confidence monitor					
A-4	Ceiling Speaker					
A-5	Amplifier for Ceiling Speakers					
A-6	Pre-Amplifier					
A-7	Microphone with lavalier mic					
A-8	HDMI Transmitter					
A-9	HDMI Receiver					
A-10	Wireless presentation					
A-11	Control System					
A-12	Touch screen panel					
A-13	HDMI Matrix Switcher					
A-14	Table					
A-15	HDMI DA					
A-16	N/W Switch					
A-17	Racks Cable and Connectors					
Package - B						
SMART HYBRID CLASSROOMS						
Number of Classrooms - 3 (Three) Classrooms						
Quantities indicated are for Three Classrooms						
Sr. No.	Item/Equipment Description	Qty.	Unit	Make	Model	Technical Specifications of the offered equipment
B-1	98inch 4K Display					Technical Compliance with tendered specifications
B-2	Smart Board					



Number of Classrooms - 24 (TWENTY-FOUR) Classrooms						
Quantities indicated are for all the 24 (Twenty-Four) Classrooms						
Sr. No.	Item/Equipment Description	Qty.	Unit	Make	Model	Technical Specifications of the offered equipment
D-1	Desktops					Technical Compliance with tendered specifications
Package - E						
Number of Classrooms – 12 (TWELVE) Classrooms						
Sr. No.	Item/Equipment Description	Qty.	Unit			Technical Specifications of the offered equipment
E-1	Deployment of One onsite engineer for managing the AV facilities proposed to be deployed in Five classrooms and Mics in Seven classrooms on daily basis					Technical Compliance with tendered specifications



ANNEXURE - X

Financial Bid

Package - A					
NORMAL CLASSROOMS					
Number of Classrooms - 2 (TWO) Classrooms					
Quantities indicated are for both the classrooms					
Sr. No.	Item/Equipment Description	Qty.	Unit	Unit Price	Total Price
A-1	Projector for Video projection	4	Nos.		
A-2	Motorised Screen	4	Nos.		
A-3	32inch Confidence monitor	2	Nos.		
A-4	Ceiling Speaker	32	Nos.		
A-5	Amplifier for Ceiling Speakers	2	Nos.		
A-6	Pre-Amplifier	2	Nos.		
A-7	Microphone with lavalier mic	2	Nos.		
A-8	HDMI Transmitter	10	Nos.		
A-9	HDMI Receiver	10	Nos.		
A-10	Wireless presentation	2	Nos.		
A-11	Control System	2	Nos.		
A-12	Touch screen panel	2	Nos.		
A-13	HDMI Matrix Switcher	2	Nos.		
A-14	Table	2	Nos.		
A-15	HDMI DA	4	Nos.		
A-16	N/W Switch	2	Nos.		
A-17	Racks Cable and Connectors	2	Nos.		
Total Price for Package A (A)					
Package - B					
SMART HYBRID CLASSROOMS					
Number of Classrooms - 3 (Three) Classrooms					
Quantities indicated are for Three Classrooms					



Sr. No.	Item/Equipment Description	Qty.	Unit	Unit Price	Total Price
B-1	98inch 4K Display	6	Nos		
B-2	Smart Board	3	Nos.		
B-3	32inch Confidence monitor	3	Nos.		
B-4	Ceiling microphone	15	Nos.		
B-5	Bracket for Ceiling mic	12	Nos.		
B-6	Ceiling Speaker	48	Nos.		
B-7	Column Speaker	6	Nos.		
B-8	Amplifier for Ceiling Speakers	3	Nos.		
B-9	Amplifier for Column Speakers	3	Nos.		
B-10	Digital Signal Processor	3	Nos.		
B-11	Microphone with lavalier mic	4	Nos.		
B-12	12xOptical Zoom Tracking Camera for Presenter	3	Nos.		
B-13	12x Optical Zoom for Audience	6	Nos.		
B-14	Video Mixer	3	Nos.		
B-15	HDMI Transmitter	15	Nos.		
B-16	HDMI Receiver	15	Nos.		
B-17	Capture Vision System	3	Nos.		
B-18	Wireless presentation	3	Nos.		
B-19	Control System	3	Nos.		
B-20	Touch screen panel	3	Nos.		
B-21	HDMI Matrix Switcher	3	Nos.		
B-22	Table	3	Nos.		
B-23	HDMI DA	6	Nos.		
B-24	USB Switcher	3	Nos.		
B-25	N/W Switch	3	Nos.		
B-26	Racks Cable and Connectors	3	Nos.		
Total Price for Package B (B)					

Package - C





EXISTING NORMAL CLASSROOMS						
Number of Classrooms - 7 (SEVEN) Classrooms						
Quantities indicated are for all the 7 (Seven) Classrooms						
Sr. No.	Item/Equipment Description	Qty.	Unit	Unit Price	Total Price	
C-1	Lavalier Mic	7	Nos.			
Total Price for Package C (C)						
Package - D						
ALL CLASSROOMS						
Number of Classrooms - 24 (TWENTY-FOUR) Classrooms						
Quantities indicated are for all the 24 (Twenty-Four) Classrooms						
Sr. No.	Item/Equipment Description	Qty.	Unit	Unit Price	Total Price	
D-1	Desktops	24	Nos.			
Total Price for Package D (D)						
Package - E						
Five Classrooms for AV and Seven Classrooms for Microphones						
Number of Classrooms - 12 (TWELVE) Classrooms						
Mznpower support indicated is for all the 12 (Twelve) Classrooms						
Sr. No.	Item/Equipment Description	Qty.	Unit	Unit Price	Total Price	
E-1	On-site Manpower support cost for 5 Year	1	-			
Total Price for Package E (E)						
Package - F						
Sr. No.	Item/Equipment Description					Total Price
F-1	Installation, Testing and Commissioning Charges (lumsun)					
Total Price for Installation, Testing and Commissioning (F)						
GRAND TOTAL (A+B+C+D+E+F)						

Note: The BOQ mentioned above are for reference purpose only. The actual financial bid BOQ is to be submitted online on the CPP Portal in .xlsx format only, otherwise, the bid will be summarily rejected.

