



**Maharashtra
Tenders**

eProcurement System Government of Maharashtra

Tender Details

Date : 14-Aug-2026 05:26 PM

Print

Basic Details

Organisation Chain	Director of Technical Education Department Mumbai Veermata Jijabai Technological Institute Mumbai		
Tender Reference Number	VJTI/STR/TPO/2026-27/69		
Tender ID	2026_DTEDM_1328525_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	Online	Is Multi Currency Allowed For BOQ	No
Is Multi Currency Allowed For Fee	No	Allow Two Stage Bidding	No

Payment Instruments

Online Bankers	S.No	Bank Name
	1	SBI Bank

Cover Details, No. Of Covers - 2

Cover No	Cover	Document Type	Description
1	Fee/PreQual/Technical	.pdf	Tender document
2	Finance	.xls	BOQ

Tender Fee Details, [Total Fee in ₹ * - 7,580]

Tender Fee in ₹	7,080		
Processing Fee in ₹	500		
Fee Payable To	Nil	Fee Payable At	Nil
Tender Fee Exemption Allowed	No		

EMD Fee Details

EMD Amount in ₹	1,00,000	EMD Exemption Allowed	Yes
EMD Fee Type	fixed	EMD Percentage	NA
EMD Payable To	Nil	EMD Payable At	Nil

Work /Item(s)

Title	Supply, Installation, Testing and Commissioning of Audio-Visual, Video Conferencing System, Network Infrastructure and CCTV Surveillance System for the Training and Placement Office at Veermata Jijabai Technological Institute, Mumbai				
Work Description	Supply, Installation, Testing and Commissioning of Audio-Visual, Video Conferencing System, Network Infrastructure and CCTV Surveillance System for the Training and Placement Office at Veermata Jijabai Technological Institute, Mumbai				
Pre Qualification Details	Please refer Tender documents.				
Independent External Monitor/Remarks	NA				
Tender Value in ₹	NA	Product Category	Electronics Equipment	Sub category	NA
Contract Type	Tender	Bid Validity(Days)	90	Period Of Work(Days)	30
Location	TPO Office VJTI	Pincode	400019	Pre Bid Meeting Place	TPO Office Mechanical Building VJTI Mumbai
Pre Bid Meeting Address	TPO Office Mechanical Building VJTI Mumbai	Pre Bid Meeting Date	19-Aug-2026 02:30 PM	Bid Opening Place	Stores and Purchase Section
Should Allow NDA Tender	No	Allow Preferential Bidder	No		

Critical Dates

Publish Date	14-Aug-2026 04:30 PM	Bid Opening Date	31-Aug-2026 03:00 PM
Document Download / Sale Start Date	14-Aug-2026 04:30 PM	Document Download / Sale End Date	29-Aug-2026 05:00 PM
Clarification Start Date	NA	Clarification End Date	NA

Bid Submission Start Date	14-Aug-2026 04:30 PM	Bid Submission End Date	29-Aug-2026 05:00 PM
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Tender Documents					
NIT Document	S.No	Document Name	Description	Document Size (in KB)	
	1	Tendernotice_1.pdf	Tender document	1112.78	
Work Item Documents	S.No	Document Type	Document Name	Description	Document Size (in KB)
	1	BOQ	BOQ_2274580.xls	BOQ	344.00

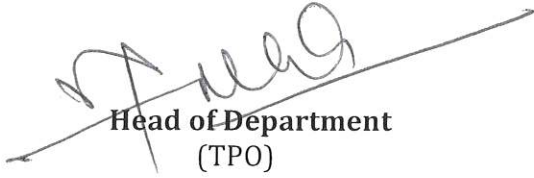
Tender Inviting Authority	
Name	Registrar
Address	The Registrar, VJTI MUMBAI



Veermata Jijabai Technological Institute
(Autonomous Institute of Govt. of Maharashtra)
H R Mahajani Marg, Matunga, Mumbai – 400019

E-Tender Reference No: - VJTI/TPO/2026-27/Tender/01

Name of the Work: - "Supply, Installation, Testing and Commissioning of Audio-Visual, Video Conferencing System, Network Infrastructure and CCTV Surveillance System for the Training and Placement Office at Veermata Jijabai Technological Institute, Mumbai"


Head of Department
(TPO)


Registrar

(Standard Bid Document)

Website: 1. <https://mahatenders.gov.in/nicgep/app>

2. www.vjti.ac.in/tenders

Section No.	Title of Section	Page No.
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SECTION - 1
E-TENDER NOTICE

e-Tender Notice

E-Tender Reference No: - VJTI/TPO/2026-27/Tender/01

SUBJECT: -Supply, Installation, Testing and Commissioning of Audio-Visual, CCTV and Network System, Video Conferencing System, Network Infrastructure and CCTV Surveillance System for the Training and Placement Office at Veermata Jijabai Technological Institute, Mumbai

- i) The detailed tender documents are available for download from the e-tendering website <https://mahatenders.gov.in>. Bidders are required to download the tender, fill in all necessary details, and upload duly signed scanned copies of the documents as per instructions.

E-Tendering Process

- I. The application form can be download from NICs' portal (<https://mahatender.gov.in>)
- II. The forms of tender documents are available on the e-Tendering website <https://mahatender.gov.in>. The aspiring Applicants will have to download Tender form, from the website mentioned above. The bidder has to fill in an online format and upload information regarding Tender online. Also, the bidder has to download the tender application from the website, fill it and upload the scanned copy of duly filled form, along with required documents.
- III. For purchasing the Tender documents, the bidders will have to get registered with e-tender portal (<https://mahatenders.gov.in>) for the e-tendering process and obtain login credentials to participate in the online Tender process. The details of the same are available on <https://mahatender.gov.in>. For registration, enrolment for digital signature certificate and user manual, please refer to respective links provided in e-tendering tab on <https://mahatender.gov.in>

ii)

Name and Location of Work	Supply, Installation, Testing and Commissioning of Audio-Visual, Video Conferencing System, Network Infrastructure and CCTV Surveillance System for the Training and Placement Office at Veermata Jijabai Technological Institute H R Mahajani Marg, Matunga, Mumbai - 400019
Site Survey Period & Pre Bid Meeting	19-08-2026 02.30PM @ TPO OFFICE ,VJTI
Tender Submission and Closing Date	14-08-2026 To 29-08-2026

Two-packet Bid System: -

- I. Tender documents are invited in two packet bid system for the above work
 - a. Packet '1': Prequalification of the vendors (Technical Bid)
 - b. Packet '2': Bill of Quantities (Financial Bid)
- II. The bidders are requested to submit the tender documents in two packet bid system only i.e. Technical Bid in attachment of packet '1' & Financial Bid in attachment of packet '2'.
- III. Bidders should note that the Technical Bid (i.e. Packet '1') will be opened first, and the Financial Bid (i.e. packet '2') will be opened only for qualified bidders.

Tender Fees & EMD

- I. Tender fee is ₹ 6000 + GST 18% (₹ 1080) = ₹ 7,080/- is to be paid online.
- II. EMD for the tender is ₹ 1,00,000/- (INR One Lakh Only) and to be paid online.

Right to Reject

The Director, VJTI, reserves the right to accept or reject any or all tenders without assigning any reason.

The date and time for submission and opening the bids are as shown in the Header Data. If there are any changes in the dates the same will be displayed on the NIC Portal (<https://mahatenders.gov.in>)

The Applicants interested in the above referred work may contact the Head of Department (IT Infra) at the following address on any working day during office hours.

Head of Department
Training and Placement Office
Email- tpo@vjti.ac.in
VJTI, H. R. Mahajani Marg,
Mumbai – 400019.

SECTION - 2
INSTRUCTIONS TO BIDDERS

1. Eligibility Criteria:

- Bidders must meet the eligibility criteria outlined in **Section 4**. Non-compliant bids will be rejected.
- Financial Bids of only technically qualified bidders will be opened.

2. Bid Submission:

- Submit bids online via **<https://mahatenders.gov.in>** in the two-packet system:
 - **Packet 1 (Technical Bid):** Upload scanned, certified copies of required documents (listed below).
 - **Packet 2 (Financial Bid):** Complete the financial proposal online, ensuring all entries are digitally signed.
- VJTI will reject bids that do not include tender fee or EMD.

3. Technical Bid (Packet 1) Requirements:

- Valid Firm Registration Certificates (PF and ESIC).
- GST Registration Certificate.
- Partnership Deed (for partnership firms) or Incorporation Certificate and MOA/AOA (for companies).
- Income Tax Returns for the last three financial years (2022-23, 2023-24, 2024-25).
- Screenshot of tender fee payment (₹ 7,080/-).
- Screenshot of EMD payment (₹ 1,00,000/-).
- Site visit acknowledgment issued by VJTI.
- Email ID along with bidder's name and contact details superscripted on Packet 1 for communication.
- **Note:** If documents are missing, VJTI will notify the bidder via email, and compliance must be provided within **three working days**, or the bid will be rejected.

4. Financial Bid (Packet 2):

- Submit the financial bid online, including the total bid price (inclusive of all costs except GST).
- Financial Bids will be opened only for technically qualified bidders, with the date communicated separately.

5. Bid Validity:

- Bids must remain valid for 90 days from the bid submission deadline. Shorter validity periods will result in rejection.

6. Site Visit and Pre-Bid Meeting:

- Bidders must conduct a site visit 19th Aug 2026 and to understand site conditions.
- The Pre-Bid Meeting is scheduled for 19th Aug 2026 at TPO Office VJTI.
- The same authorized representative (with experience in similar projects) must attend both the site visit and pre-bid meeting. Upload the site visit acknowledgment in Packet 1.
- Failure to conduct a site visit will result in bid rejection.

7. Pricing:

- Quote prices in INR, inclusive of all charges (e.g., installation, freight, training) except GST, which must be specified separately.
- In case of discrepancies between unit and total prices, the unit price prevails. If there is a discrepancy between figures and words, the lower amount applies.

8. Security Deposit:

- The successful bidder must submit a **5% security deposit of the contract value, valid for 38 months**.
- VJTI may forfeit the security deposit or EMD for non-compliance or misleading information.

9. Bid Evaluation:

- **Technical Evaluation:** Assess compliance with **Section-4** specifications and eligibility criteria.
- **Financial Evaluation:** Evaluate the total bid price (inclusive of all taxes and charges) of technically qualified bidders.
- The contract will be awarded to the bidder with the lowest evaluated total bid price, subject to technical compliance.

10. No Canvassing:

- Any canvassing by bidders will result in bid rejection.

SECTION - 3
TERMS AND CONDITION OF CONTRACT

SECTION 3 TERMS & CONDITIONS OF CONTRACT

SR. No.	TERMS & CONDITIONS
1.	Bidders must conduct a site survey 19 th Aug 2026 and submit recommendations on system architecture in the Technical Bid.
2.	- Supply, install, test, and commission all the Systems at the VJTI TPO as per Section 4 specifications. - Deliver and maintain all equipment, including necessary licenses registered in the name of VJTI, Matunga, Mumbai.
3.	Warranty: Duration: 3 years from the date of successful installation. Scope: Comprehensive maintenance, including labour, spare parts, system software updates, and OS patching for all supplied hardware and peripherals. Manufacturer's Warranty: The bidder must ensure the validity of the manufacturer's warranty for all equipment, covering defects in design, materials, or workmanship. Third-Party Components: Warranty remains valid unless third-party hardware installed by VJTI damages the supplied equipment. Timeline: - Complete supply, installation, testing, and commissioning within 30 days from the purchase order date. Delays may incur penalties as per the SLA. Maintenance: - The bidder must provide routine and breakdown maintenance during the warranty period, resolving issues within 48 hours of a complaint. - Complaints must be lodged via authorized VJTI email or portal. Unauthorized requests (e.g., password resets) must be reported as security breaches to VJTI immediately. Payment Terms: Payment: 100% within 30 days of satisfactory installation, testing, commissioning, and submission of a performance certificate signed by VJTI representatives. Security Deposit: 5% of the contract value, valid for 38 months, subject to forfeiture for non-compliance. - All payments are subject to applicable tax deductions. Training and Documentation: - Provide 2 days of on-site training for at least 5 VJTI staff members on system operation, management, and troubleshooting within 15 days of commissioning. - Supply detailed user manuals, technical documentation, and system architecture diagrams in hard and soft copies at handover.
4.	GST and Taxes: - Quote prices exclusive of GST, which must be specified separately. - Pass on the benefit of Input Tax Credit or exemptions to VJTI through equivalent price reductions.
5.	Confidentiality:

	Bidders must maintain confidentiality of all VJTI data and use it solely for this contract.
6.	Force Majeure: Neither party is liable for failure to perform due to events beyond reasonable control (e.g., natural disasters, war, government restrictions).
7.	Dispute Resolution: - Disputes will be resolved through arbitration under the Indian Arbitration and Conciliation Act, 1996. - Jurisdiction: Courts in Mumbai.
8.	Right to Amend: VJTI reserves the right to amend terms and conditions before contract award.
9.	Project Handover: - Submit the following at completion: - Installation and Testing Reports. - Warranty Certificates. - Training Completion Certificates. - User Manuals and System Documentation. - Final acceptance requires VJTI's written sign-off.
10.	Cybersecurity: Ensure all IP-based equipment (e.g., cameras, AV-IP encoders) complies with ISO 27001 standards, including encryption, secure firmware updates, and password protection.

SECTION - 4
TECHNICAL SPECIFICATIONS & ESSENTIAL CONDITIONS TO BE FULFILLED

SECTION 4

TECHNICAL SPECIFICATIONS & ESSENTIAL CONDITIONS TO BE FULFILLED

Bidders should clearly mention the offered product in the Bidder's Specifications column and attach the catalog/data sheet of the product. If the Bidder cannot comply with the particulars mentioned or wishes to provide higher specifications, the same should be mentioned clearly in Bidder's Specifications column. **If the Bidder's specification column is blank, it will be treated as an incomplete offer.**

A. VIDEO EQUIPMENTS REQUIRED FOR THE SEMINAR HALL:

Sr. No.1	Laser Projector QTY- 001, Proposed Make: - View sonic / Epson / Sony / Panasonic	
1	Projection System	3LCD (3x0.64" with MLA)
2	Native Resolution	1920x1200
3	Brightness	5200 (ANSI Lumens) or higher
4	Brightness (Center Lumens)	6000
5	Contrast Ratio	3000000:1
6	Display Color	1.07 Billion Colors
7	Light Source Type	Laser Phosphor
8	Light Source Life (Normal Mode)	20000
9	Light Source Life (SuperEco Mode)	30000 (Eco)
10	Lens	F=1.58-2.02 (± 0.5), f=15.3-24.6mm
11	Projection Offset	0% +/- 5%
12	Throw Ratio	1.08-1.76
13	Optical Zoom	1.6X
14	Digital Zoom	1.0x-4.0x
15	Image Size	30"-300"
16	Throw Distance	0.70-11.37m(100"@2.33m) (± 0.2 m)
17	Keystone	H: +/- -30°, V: +/- -25° & above
18	Lens Shift V. Range	+45%, 0%
19	Audible Noise (Normal)	35dB
20	Audible Noise (Eco)	26dB
21	Input Lag	60ms
22	Resolution Support	VGA(640x480) to 4K(3840x2160@30Hz)
23	HDTV Compatibility	480i, 480p, 576i, 576p, 720p, 1080i, 1080p, 2160p@30Hz
24	Horizontal Frequency	15K-100KHz
25	Vertical Scan Rate	23-85Hz
26	Computer in (share with component)	1
27	Composite / HDBaseT Port	1
28	HDMI	2 (HDMI 1.4/ HDCP 1.4)
29	Audio-in (3.5mm)	1
30	Audio-in (RCA R/L)	1
31	USB Type A	1 (5V/1.5A)
32	Monitor out	1
33	Audio-out (3.5mm)	1
34	Speaker	16W
35	USB Type A (Power)	1 (USB2.0 - 5V/1.5A, share with USB A Input)

36	RS232 (DB 9-pin male)	1
37	RJ45 (LAN control)	1
38	USB Type B (Services)	1
39	Power Supply Voltage	100-240V +/- 10%, 50/60Hz (AC in)
40	Power Consumption	Normal: 230W Standby: <0.5W
41	Operating Temperature	0~40°C

Sr. No. 2	Ceiling Suspended Bracket QTY:- 1Nos, Ceiling Mount Bracket for Projector
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Sr. No. 3	Wireless Screen Casting Kit, QTY- 001, Proposed Make: - Viewsonic / Screenbeam / Barco	
1	Output Resolution	Up to 1080p 60Hz
2	HDCP Support	HDCP 1.4
3	WiFi	5G
4	Latency	<80ms
5	Transmission Distance	Up to 30m
6	Screen Mirror/Extend	Yes
7	Connector Type	USB-C x 1
8	Power Input	5V/1A
9	Dimension (WxDxH)	170 x 40 x 16 mm
10	Net Weight	37.5g
11	Connector Type	HDMI x 1, USB-A x 1
12	Power Input	5V/0.5A

Sr. No. 4	Tab Tension Screen QTY- 001, Proposed Make: Milan / Grandlogic / Ramco	
1	Motor	Tubuler motor
2	A Screen Type	Tab Tension Screen
3	Surface	Matt White Height :- 74" Width :- 131"
4	Diagonal	150"
5	Black Drop	12"
6	Aspect Ratio	16:09

Sr. No.	HDMI Extenders	
5	QTY- 01, Proposed Make:-Wyrestorm / Kramer / crestron / Lumi/ Chief/ B-Tech	
1	Distance	230 ft. (70 m) maximum
2	Power	Output: 12 VDC
3	Video Bandwidth	HDMI up to 10.2Gbps, including support for 1080p 60, Deep Color, HD-3D, 4Kx2K video, HD Audio Formats
4	Connectors	Transmitter: (1) HDMI Input; (1) RJ45 Output; (2) IR (1 in, 1 out); Receiver: (1) RJ45 Input; (1) HDMI Output; (2) 3.5-mm IR emitter Jacks (in/out)
5	Dimensions - Receiver	0.9-in. H x 3.1-in. W x 2.6-in. D (2.3 x 8 x 6.7-cm)
6	Dimensions - Transmitter	0.8-in. H x 3.1-in. W x 2-in. D (2 x 8 x 5-cm)
7	Weight - Receiver	0.6 lb. (0.3 kg)
8	Weight - Transmitter	0.4 lb. (0.2 kg)

B. Audio System Equipment's:-

Sr. No.	Wireless Handheld Microphone Set	
6	QTY- 03, Proposed Make:-Earthpot / ATDSC /Bosch /AKG	
1	SITC of Wireless Handheld and Collar Microphone Variable Frequency: A wireless Professional microphone for PA applications, Consists of One handheld & One Head worn/ Lapel microphones, High quality UHF band frequency duel Wireless Microphone System, Distance up to 100 feet (between Receiver and microphone), Individual channel output with level control & mix output. Display on Transmitter & Receiver for frequency indication, Two microphones can be used at the same time, Separate LCD Display for channels, High Quality capsule in Handheld. XLR Balanced and unbalanced outs. Miniature high Quality metal capsule in lapel. Plastic Flight Case . 300mA max at 48VDC	
Sr. No.	Wireless Lapel Microphone Set	
7	QTY- 02, Proposed Make: - Earthpot / ATDSC /Bosch /AKG	
1	SITC of Wireless Collar and Handheld Microphone. It should consist of 1 Receiver x 1 , Wireless Microphone Handheld x 2, Wireless Collar Microphone x 2 It should be UHF Band Frequency Duel Wireless Microphone System, it should have 80+ UHF selectable channels. It should support UHF Frequency Range: 583-683MHZ or more The received Front panel should consist of Power On/Off Switch x 1, Volume Controls x 4 To adjust the Input signal level, IR Sensor x1, It should have Channel Frequency set button x 1, It should have 4 Display to indicate channel frequency and status. The Rear panel should consist of 4 Antenna, 3 Pin XLR female connector x 1, 6.35mm x 1 unbalanced out, Power jack x 1, Handheld Microphone should have Grill x 1, IR Window x 1, LED Screen x 1 Power ON/OFF Switch x 1. Wireless Collar should have Body pack with Transmitter x 1, Mic Input x 1, Power On/Off Switch with LED Light, LED Screen x 1 for displays, Battery Compartment for 2, AA Batteries, Belt Clip x1, Collar Microphone x1	

Sr. No. 8	Ethernet Volume Controller QTY- 01, Proposed Make: - BSS / Bosch /Xilica	
1	Power Consumption	300mA max at 48VDC
2	Recommended Ethernet Cable Wiring	VW-1 Rated, 48VDC, 13W
3	Maximum Network Cable Length	328' / 99.98m

Sr. No. 9	Gooseneck Microphone Complete QTY- 01, Proposed Make: - ATDSC / Bosch / AKG	
1	SITC of Gooseneck Microphone with base: This Microphone with professional condenser cartridge, with single strong directivity, high sensitivity, good frequency response characteristics, Frequency Range : 50 – 70000 Hz; Output Impedance : 1000Hz: 150 Ω ; Dynamic range : 1k Ω load- 96.2dB	

Sr. No. 10	Mixing console QTY- 01, Proposed Make: - Yamaha / Sound craft / Studio master	
1	Frequency Response (Input to STEREO OUT)	+0.5 dB / -0.5 dB (20 Hz to 20 kHz), refer to nominal output
2	Total Harmonic Distortion (THD+N) Input to	0.01% @ +8 dBu (20 Hz to 20 kHz), GAIN knob: Min; 0.003%
3	Hum & Noise	Equivalent Input Noise: -128 dBu (Mono Input Channel, Rs:
4	Sensitivity (2.83V @ 1m)	Residual Output Noise: -102 dBu (STEREO OUT, STEREO LEVEL
5	Crosstalk (1 kHz)	-88 dB
6	Input Channels	6 channels: Mono (MIC/LINE): 2, Stereo (LINE): 2
7	Output Channels	STEREO OUT: 2, PHONES: 1
8	Bus	STEREO: 1
9	Mono Input Channel Function	PAD: 26 dB
10	Minimum Impedance	HPF: 80 Hz, 12 dB/oct
11	Transformer Taps	EQ HIGH: Gain: +15 dB/-15 dB, Frequency: 10 kHz shelving
12	Transformer Insertion Loss	EQ LOW: Gain: +15 dB/-15 dB, Frequency: 100 Hz shelving
13	PEAK LED	LED turns on when post-EQ signal reaches 3 dB below clipping
14	Level Meter	Post STEREO LEVEL knob, 2 $\times$ 7-segment LED meter [PEAK
15	Internal Digital Effect (MG06X)	SPX Algorithm, 6 programs
16	Phantom Power Voltage	+48 V
17	Power Supply	Adaptor PA-130 (DC 12 V/1.0 A, 1.8 m cable), 120 V 60 Hz, or
18	Operating Temperature	0°C to +40°C

Sr. No.	Slim Column Loudspeaker	
11	QTY- 02, Proposed Make: - JBL / QSC / Audac	
1	Frequency Range (-10 dB)	70 Hz – 20 kHz
2	Frequency Response (+/-3 dB)	105 Hz – 20 kHz
3	Power Rating (8Ω setting)	160W Continuous Program (2 hrs)
4	Sensitivity (2.83V @ 1m)	86 dB
5	Coverage Pattern	Vertical 110° [1kHz-4 kHz average];
6	Directivity (Q)	7.8
7	Directivity Index (DI)	8.9 dB
8	Rated Maximum SPL	105 dB Continuous, 111 dB Peak @ 1m
9	Nominal Impedance	8Ω (in Thru/direct mode)
10	Minimum Impedance	7.0 Ω @ 275 Hz
11	Transformer Taps	20W, 10W, 5W @ both 70V & 100V (plus 2.5W @ 70V), and
12	Transformer Insertion Loss	Less than 1 dB
13	Maximum Input Voltage	21 V RMS (2 hrs), 42 V peak
14	Recommended Protective High-Pass	70 Hz for 8 Ω operation; 60 Hz for all transformer tap settings
15	Drivers	Two 125 x 55 mm (5 x 2.25 in.) racetrack LF drivers
16	Enclosure Material	PC + ABS, UL94-V0 flammability rating
17	Grille	Plated SPCC with polyester powder coat finish
18	Included Accessories	Low-profile Swivel (Pan) / Tilt WALL BRACKET; 2 x L-BRACKETS
19	Included Accessories	Swivel/Tilt Wall Bracket, 2 L-Brackets

Sr. No.	Indoor/Outdoor Loudspeaker	
12	QTY- 01, Proposed Make: - JBL / QSC / Audac	
1	Frequency Range (-10dB)	80 Hz – 20 kHz (half-space, on-wall); 60 Hz – 20 kHz (quarter
2	Power Handling	75 W Continuous Pink Noise, 2 hrs 60 W Continuous Pink Noise, 100 hrs 150 W Continuous Program Power 300 W Continuous Peak Power
3	Nominal Sensitivity	89 dB
4	Maximum SPL @ 1m	108 dB continuous average long-term (peaks of 114 dB)
5	Nominal Coverage Angle	105° horizontal x 80° vertical (2 kHz - 16 kHz, speaker in vertical orientation)
6	Directivity Index (DI)	8.6 dB (2 kHz - 16 kHz)
7	Directivity Q	7.4 (2 kHz - 16 kHz)
8	Nominal Impedance	4 Ohms
9	Minimum Impedance	4.0 Ohms @ 320 Hz
10	Crossover Frequency and Type	2 kHz – 36dB/octave tweeter; 18dB/octave woofers
11	Transformer Taps	30 W, 15 W, 7.5 W at both 70 V and 100 V (plus 3.8 W at 70 V only) Thru position is 4 ohms
12	Low-Frequency Transducers	Dual 4" (100 mm) PolyPlas, [™] shielded woofer with dual neodymium magnets and 32 mm (1.25 in) voice coil on a vented aluminum former.
13	High-Frequency Transducer	3/4" (19 mm) Titanium-laminate dome tweeter, shielded neodymium magnet Ferrofluid [®] cooling.
14	Enclosure Material	ABS
15	Ports	Screened to protect against ingress of pests

Sr. No.	Amplifier
13	QTY- 01, Proposed Make: - Crown / QSC / Labgruppen
1	BLU link / Digital Link
2	Channels
3	Sensitivity (for full rated power at 8
4	Rated Power Output (per channel @ 4
5	Analog Input Signal to Noise Ratio (ref.
6	THD (full rated power, 20 Hz - 20 kHz)
7	Damping Factor (20 Hz to 100 Hz)
8	Frequency Response (8Ω, 20 Hz - 20
9	Crosstalk (below rated power) 20 Hz to 1
10	Input Impedance (nominally balanced,
11	Power Supply Connector

C. EQUIPMENTS REQUIRED FOR THE CONFERENCE ROOM:

Sr. No. 14	65 Inches 4K UHD Display QTY- 001, Proposed Make: - LG / Samsung / Panasonic	
1	Display Size	65-inch (±2 inches) Commercial Grade LED Display
2	Panel Type	IPS/VA or equivalent commercial-grade LED panel
3	Resolution	Ultra HD (3840 × 2160)
4	Aspect Ratio	16:09
5	Brightness	Minimum 400 nits
6	Contrast Ratio	Minimum 1200:1
7	Viewing Angle	178° Horizontal / 178° Vertical
8	Refresh Rate	Minimum 60 Hz
9	Response Time	Maximum 8 ms
10	Display Colors	Minimum 1.07 Billion Colors (10-bit processing or equivalent)
11	HDR	HDR10 or better
12	Anti-Glare	Anti-glare display surface
13	Operating Hours	Minimum 16 × 7 commercial operation
14	Orientation	Landscape
15	Processor	Quad-Core ARM Cortex-A55 or equivalent, minimum 1.8 GHz
16	RAM	Minimum 4 GB
17	Internal Storage	Minimum 32 GB Flash Storage
18	Operating System	Android 11 or higher, or OEM embedded commercial operating system
19	Graphics	Integrated GPU supporting 4K UHD (3840 × 2160) at 60 Hz
20	HDMI Inputs	Minimum 3 × HDMI (HDMI 2.0 or higher)
21	HDMI Output	Minimum 1 × HDMI Output (Preferred)
22	USB Ports	Minimum 2 × USB (at least one USB 3.0)
23	Network	1 × Gigabit Ethernet (RJ45)
24	Wireless Connectivity	Dual-band Wi-Fi (2.4 GHz & 5 GHz) and Bluetooth 5.0 or higher
25	Audio Output	3.5 mm Audio Out and/or Optical Audio Out
26	Control Interface	RS232 and HDMI-CEC support

27	Screen Sharing	Built-in wireless screen sharing/casting for Windows, macOS, Android, and iOS
28	USB Media Playback	Supported
29	Remote Management	LAN-based remote monitoring and management
30	Firmware Updates	Via USB and/or Network
31	VESA Mount	Standard VESA wall-mount compatible
32	Power Supply	AC 100–240 V, 50/60 Hz
33	Certifications	BIS, CE, FCC, and RoHS compliant
34	Warranty	Minimum 3 Years Comprehensive On-site Warranty

Sr. No. 15	<i>Push Pull wall mount Bracket For LED</i> Qty:-1Nos, Bracket for 65" Professional LED
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Sr. No. 16	Video Bar QTY- 01, Proposed Make:-Poly/Neat/Cisco/Logitech	
1	Audio Features	Poly Noise Block AI technology; Poly Acoustic Fence
2	Audio Standards	UAC 1.0; HID 1.11
3	Camera Type	Single-lens
4	Video Standards	UVC 1.1/1.5 Video
5	Microphone Type	Four-element beamforming microphone array
6	Microphone Pickup Range	Up to 15 ft
7	Interoperability	Zoom Certified; Microsoft Teams Certified; All cloud service
8	Collaboration Software	Microsoft Teams; Zoom
9	Ports	1 USB Type-C® 5Gbps signaling rate; 1 audio-in; 1 line in (optional microphone)
10	Power Supply	100 - 240 VAC 50/60 Hz
11	Dimensions (W × D × H)	4.2 × 27.3 × 2.8 in (without stand); 6.2 × 27.3 × 2.8 in (with stand)
12	Weight	5 lb (without stand); 6 lb (with stand)

Sr. No. 17	<i>Camera Mounting For Video Bar System</i> QTY:- 1Nos, Mount for Video BAR Camera
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Sr. No. 18	Presentation Switcher QTY- 001, Proposed Make: - Wyrestorm / Barco / Crestron	
1	Inputs	2x HDMI In: 19-pin Type A; 2x USB-C; Wireless Video from
2	Outputs	2x HDMI Out: 19-pin Type A; 1x Analog Audio Out (5-pin
3	Audio Formats	2ch PCM
4	Output Video Encoding	HDMI
5	Video Resolutions (Max)	3840x2160p @30Hz 8bit 4:4:4
6	Supported Standards	DCI; RGB
7	Maximum Pixel Clock	300MHz
8	HDMI	HDMI HDCP 2.2 EDID
9	USB	3x USB 3.0 Type A device ports (5V 1000mA per port); 2x USB
10	RS-232	1x 4-pin Phoenix (API control), provides 12V Power
11	LAN	2x 8-pin RJ-45 for API control (Telnet, TLS, HTTP/HTTPS for
12	Wireless	4x Wi-Fi Antennas; IEEE 802.11 a/b/g/n/ac; Dual-band 2.4 &
13	Power Supply	20V 10A
14	Max Power Consumption	160W
15	Operating Temperature	0 to +45°C (32 to +113°F), 10% to 90%, non-condensing
16	Storage Temperature	-20 to +70°C (-4 to +158°F), 10% to 90%, non-condensing
17	Max BTU	82 BTU/hr
18	Rack Units / Wall Box	1U
19	Height	42 mm / 1.651 in
20	Width	215 mm / 8.46 in
21	Depth	180 mm / 7.08 in

Sr. No. 19	Cable Cubby QTY- 001, Proposed Make: - Wyrestorm/Barco/ Crestron/Logic	
1	Connectivity	2 x Universal Power
		2 x USB Charger
		RJ45 Network
		VGA
		3.5 mm Audio
		HDMI 2.0
		Mini DP 1.2
		Type C USB 3.0
		Type A USB 3.0
		Product Weight 2.2 Kg
		Shipping Weight: 2.8 kg
		Shipping Dimension: 0 x 200 x 210 mm (L x W x H)
		Color Available: Black

D. NETWORK AND CCTV REQUIREMENTS

Sr. No. 20	Ethernet Switch Cisco- C1300-48T-4G QTY- 02	
1	Capacity in millions of packets per second (mbps) (64-byte packets)	77.38
2	Switching capacity in Gigabits per second (Gbps)	104
3	System power consumption	110V=38.80W
4	Power consumption (with PoE)	N/A
5	Heat dissipation (BTU/hr)	132.39
6	Idle Power	110V=13.36W
7	Total system ports	52 x Gigabit Ethernet
8	RJ-45 ports	48 x Gigabit Ethernet
9	Combo ports (RJ-45 + Small Form-Factor Pluggable [SFP])	4 x SFP
10	Packet buffer	1.5 MB
11	Unit dimensions	445 x 288 x 44 mm (17.5 x 11.33 x 1.73 in)
12	Unit weight	3.95 kg (8.71 lb)
13	Power	100-240V 50-60 Hz, internal, universal
14	Operating temperature	(-5°C to 50°C)
15	FAN (number)	1
16	Acoustic noise	25°C: 29.7 dBA
17	MTBF at 25°C (hours)	1473382

Sr. No. 21	Ceiling Mount Tplink EAP610 Qty – 7Nos	
1	Interface	1x Gigabit Ethernet (RJ-45) Port
2	Button	Reset
3	Power Supply (V2 and above)	• 802.3at PoE • 48 V Passive PoE • 12 V / 1.5 A DC (Power Adapter included)
4	Max. Power Consumption (V2 and above)	• EU: 13.7 W (PoE), 12.3 W (DC) • US: 14.2 W (PoE), 12.8 W (DC)
5	Dimensions (W x D x H) (V2 and above)	6.3 x 6.3 x 1.3 in (160 x 160 x 33.6 mm)
6	Antenna	Internal Omni Antenna: • 2.4 GHz: 2x 4 dBi • 5 GHz: 2x 5 dBi
7	Mounting	• Ceiling / Wall Mounting (Kits included) • Junction Box Mounting
8	Coverage	115 m ² (1250 ft ²)***
9	Concurrent Clients	250+**
10	Wireless Standards	IEEE 802.11ax/ac/n/g/b/a
11	Frequency	2.4 GHz and 5 GHz

12	Signal Rate	• 5 GHz: Up to 1201 Mbps
		• 2.4 GHz: Up to 574 Mbps
13	Wireless Functions	• 1024-QAM
		• 4x Longer OFDM Symbol
		• Multiple SSIDs (Up to 16, 8 per band)
		• Enable/Disable Wireless Radio
		• Automatic Channel Assignment
		• Transmit Power Control
		• QoS (WMM)
		• MU-MIMO
		• Seamless Roaming §
		• Omada Mesh §
		• Band Steering
		• Load Balance
		• Airtime Fairness
		• Beamforming
		• Rate Limit
		• Reboot Schedule
		• Wireless Schedule
		• Wireless Statistics (SSID/AP/Client)
14	Wireless Security	• Captive Portal Authentication §
		• Access Control
		• Wireless MAC Address Filtering
		• Wireless Isolation Between Clients
		• SSID to VLAN Mapping
		• Rogue AP Detection
		• 802.1X Support
		• WPA/WPA2/WPA3 (Personal & Enterprise)
15	Transmission Power	CE:
		<20 dBm (2.4 GHz, EIRP)
		<23 dBm (5 GHz band1/2, EIRP)
		<25 dBm (5 GHz band3)
		FCC:
		<25 dBm (2.4 GHz)
		<25 dBm (5 GHz)
16	Management Features	Omada App: Yes
		Centralized Management: Omada Cloud-Based Controller, OC300, OC200, Omada Software Controller
		Cloud Access: Yes (via OC300, OC200, Omada Software Controller, or Omada Cloud-Based Controller)
		Email Alerts: Yes
		LED ON/OFF Control: Yes
		Management MAC Access Control: Yes
		SNMP: v1, v2c, v3
		System Logging: Local/Remote Syslog
		SSH: Yes
		Web Management: HTTP/HTTPS

		L3 Management: Yes
		Multi-site Management: Yes
		Management VLAN: Yes
		Zero-Touch Provisioning: Yes (requires Omada Cloud-Based Controller)
17	Certification	CE, FCC, RoHS
18	Package Content	• EAP610 • Power Adapter • Ceiling/Wall Mounting Kits • Installation Guide
19	System Requirements	Microsoft Windows XP/Vista/7/8/10/11, Linux
20	Environment	Operating Temp: 0–40 °C (32–104 °F) Storage Temp: -40–70 °C (-40–158 °F) Operating Humidity: 10–90% RH non-condensing Storage Humidity: 5–90% RH non-condensing

Sr. No.	Network Video Recorder (NVR) 16-channel IP QTY - 01 Make:- Hikvision , Dahua , Axis, Prama India , Securus , CP PLUS	
1	Motion Detection 2.0 Human/Vehicle Analysis	4-ch
2	Video & Audio	IP Video Input: 16-ch Incoming Bandwidth: 160 Mbps Outgoing Bandwidth: 80 Mbps
3	HDMI Output	1-ch, 4K (4096×2160)/30 Hz, 4K (3840×2160)/30 Hz, 2K (2560×1440)/60 Hz, 1920×1080/60 Hz, 1600×1200/60 Hz, 1280×1024/60 Hz, 1280×720/60 Hz
4	VGA Output	1-ch, 1920×1080/60 Hz, 1280×1024/60 Hz, 1280×720/60 Hz
5	Video Output Mode	HDMI/VGA simultaneous output
6	Audio Output	1-ch, RCA (Linear, 1 KΩ)
7	Two-Way Audio	1-ch, RCA (2.0 Vp-p, 1 KΩ)
8	Decoding	Format: H.265+/H.265/H.264+/H.264 Recording Resolution: 8 MP/6 MP/5 MP/4 MP/3 MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF Synchronous Playback: 16-ch Decoding Capability: 1-ch @ 8 MP (30 fps) / 3-ch @ 4 MP (30 fps) / 6-ch @ 1080p (30 fps) Note: Camera resolution width/height cannot exceed 4096 pixels
9	Network	Remote Connection: 32

		Protocols: TCP/IP, DHCP, IPv4, IPv6, DNS, DDNS, NTP, RTSP, SADP, SMTP, SNMP, NFS, iSCSI, ISUP, UPnP™, HTTP, HTTPS
10	Network Interface	1 × RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
11	Auxiliary Interface	SATA: 2 SATA interface (Up to 8 TB per disk)
		USB: 2 × USB 2.0
		Alarm In/Out: N/A (4/1 optional)
12	General	Power Supply: 12 VDC, 3.33 A
		Consumption: ≤ 15 W (without HDD)
		Working Temperature: -10 °C to 55 °C (14 °F to 131 °F)
		Working Humidity: 10% to 90%
13	Dimensions (W × D × H)	385 × 315 × 52 mm (15.2" × 12.4" × 2.0")
14	Weight	≤ 1.8 kg (without HDD, 4.0 lb.)
15	Certification	FCC Part 15 Subpart B, ANSI C63.4-2014

Sr. No. 23	Technical Parameter	Required Specification
Camera: 2MP Fixed IP Dome Camera;		
QTY- 15 Make:- Hikvision , Dahua , Axis, Prama India, Securus , CP PLUS		
1	Camera Type	Fixed Turret Network Camera
2	Image Sensor	1/2.8" Progressive Scan CMOS or better
3	Resolution	Minimum 2 MP (1920 × 1080)
4	Minimum Illumination	≤ 0.01 Lux (Color), 0 Lux with IR
5	Day/Night	True Day/Night with IR Cut Filter
6	Lens	Fixed Lens, 2.8 mm / 4.0 mm
7	IR Range	Minimum 30 meters
8	Video Compression	H.265 / H.264
9	Frame Rate	Minimum 25 fps @ 1080p
10	Network Interface	1 × RJ45, 10/100 Mbps
11	ONVIF	ONVIF Profile S & T compliant
12	Intelligent Analytics	Motion Detection with Human/Vehicle Classification
13	Privacy Masking	Supported
14	Power Supply	12V DC and/or PoE
15	PoE Standard	IEEE 802.3af
16	Power Consumption	≤ 8 W
17	Ingress Protection	Minimum IP67
18	Operating Temperature	-30°C to +60°C
19	Housing	Metal / Weatherproof Construction

Sr. No. 24	D-Link- DGS-1018 POE, QTY- 01	
1	Size	Desktop (with Mounting Kit)
2	Network Interface	16 × 10/100/1000 BASE-T ports, 2 × SFP
3	Standards	Auto MDI/MDI-X adjustment on all ports
4	Media Interface Exchange	CE Class B, FCC Part 15 Class B, VCCI Class B, C-Tick
5	Lightning Protection	6 kV
6	Switching Fabric	36 Gbps
7	Transmission Method	Store-and-forward
8	Data Transfer Rates	Gigabit Ethernet: 1000 Mbps Ethernet: 100 Mbps
9	Physical Specifications	Dimensions (L × W × H): 440 × 180 × 44 mm Weight: 3 kg
10	PoE Power Budget	150 W total (30 W max per PoE port)
11	Power	Total Power: 150 W
12	Humidity	Operating: 0% to 95% RH (non-condensing) Storage: 0% to 95% RH (non-condensing)

Sr. No. 25	DiskStation Synology DS-224 QTY- 01	
1	CPU	Model: Intel Celeron J4125
		Quantity: 1
		Cores: 4
		Architecture: 64-bit
		Frequency: 2.0 GHz (base) / 2.7 GHz (turbo)
		Hardware Encryption Engine: Yes
2	Memory	System Memory: 2 GB DDR4 non-ECC
		Total Memory Slots: 1
		Max Memory Capacity: 6 GB (2 GB + 4 GB)
		Synology reserves the right to replace memory modules with the same or higher frequency based on supplier's product life cycle status. Rest assured that the compatibility and stability have been strictly verified with the same benchmark to ensure identical performance. Please select Synology memory modules for optimum compatibility and reliability. Synology will not provide complete product warranty or technical support if non-Synology memory modules are used for memory expansion.
3	Storage	Drive Bays: 2
		Drive Types: 3.5" SATA HDD, 2.5" SATA SSD
		Hot Swappable: Yes*

4	External Ports	2 - RJ-45 1GbE LAN Ports
		2 - USB 3.2 Gen 1 Ports
		USB Copy: Yes
		Note: MTU limit for 1GbE LAN is 1500
5	Appearance	Size (H x W x D): 165 x 108 x 232.2 mm
		Weight: 1.30 kg
6	Other	System Fan: 92 mm x 92 mm x 1 pcs
		Fan Speed Modes: Full-Speed Mode, Cool Mode, Quiet Mode
		Brightness Adjustable Front LED Indicators
		Power Recovery
		Noise Level*: 22 dB(A)
		Scheduled Power On/Off
		Wake on LAN/WAN
		Power Supply Unit / Adapter: 60 W
		AC Input Power Voltage: 100V – 240V AC
		Power Frequency: 50/60 Hz, Single Phase
		Power Consumption*: 14.69 W (Access), 4.41 W (HDD Hibernation)

Sr. No. 26	Hard Drive Seagate, QTY- 04	
	Hard Drive Size	6 TB
	Digital Storage Capacity	6000 GB
	Hard Disk Form Factor	3.5 Inches
	Cache Size	128
	Item Weight	610 Grams

Sr. No. 27	65 Inches 4K UHD Display, QTY- 01, Proposed Make: - LG / Samsung / Panasonic	
1	Display Size	65-inch (±2 inches) Commercial Grade LED Display
2	Panel Type	IPS/VA or equivalent commercial-grade LED panel
3	Resolution	Ultra HD (3840 x 2160)
4	Aspect Ratio	16:09
5	Brightness	Minimum 400 nits
6	Contrast Ratio	Minimum 1200:1
7	Viewing Angle	178° Horizontal / 178° Vertical
8	Refresh Rate	Minimum 60 Hz
9	Response Time	Maximum 8 ms
10	Display Colors	Minimum 1.07 Billion Colors (10-bit processing or equivalent)
11	HDR	HDR10 or better
12	Anti-Glare	Anti-glare display surface

13	Operating Hours	Minimum 16 × 7 commercial operation
14	Orientation	Landscape
15	Processor	Quad-Core ARM Cortex-A55 or equivalent, minimum 1.8 GHz
16	RAM	Minimum 4 GB
17	Internal Storage	Minimum 32 GB Flash Storage
18	Operating System	Android 11 or higher, or OEM embedded commercial operating system
19	Graphics	Integrated GPU supporting 4K UHD (3840 × 2160) at 60 Hz
20	HDMI Inputs	Minimum 3 × HDMI (HDMI 2.0 or higher)
21	HDMI Output	Minimum 1 × HDMI Output (Preferred)
22	USB Ports	Minimum 2 × USB (at least one USB 3.0)
23	Network	1 × Gigabit Ethernet (RJ45)
24	Wireless Connectivity	Dual-band Wi-Fi (2.4 GHz & 5 GHz) and Bluetooth 5.0 or higher
25	Audio Output	3.5 mm Audio Out and/or Optical Audio Out
26	Control Interface	RS232 and HDMI-CEC support
27	Screen Sharing	Built-in wireless screen sharing/casting for Windows, macOS,
28	USB Media Playback	Supported
29	Remote Management	LAN-based remote monitoring and management
30	Firmware Updates	Via USB and/or Network
31	VESA Mount	Standard VESA wall-mount compatible
32	Power Supply	AC 100–240 V, 50/60 Hz
33	Certifications	BIS, CE, FCC, and RoHS compliant
34	Warranty	Minimum 3 Years Comprehensive On-site Warranty

Sr. No. 28	<i>Push Pull wall mount Bracket For LED</i> Qty:-1Nos, Bracket for 65" Professional LED
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Sl. No. 29	Camera junction / mounting box for wall/ceiling-mounted IP cameras; QTY -15	
1	Size	5" × 5" × 2" (Depth approx. 2") or equivalent
2	Material	Powder-coated aluminium or robust ABS plastic
3	Mounting	Wall or ceiling mount compatible; includes screw holes for standard camera mounting
4	Cable Management	Space for cable routing; knockouts for conduit entry
5	Weather Resistance	IP54 or higher (for outdoor installation)
6	Security	Lockable / tamper-resistant lid
7	Finish	Black or White powder-coated / UV-resistant finish
8	Accessories Included	Mounting screws, anchors, cable clips

Sr.No. 30	Wall Mount Network Rack QTY:-1 24U Network Rack 24U NETWORK RACK INFRASTRUCTURE 1. PROJECT SCOPE Supply, installation, and commissioning of a 24U Floor Standing Network Rack to house two (2) 48-port managed switches, patch panels, and associated power/cooling accessories. 2. TECHNICAL SPECIFICATIONS Feature Required Specification Form Factor 24U Floor Standing, 19-inch Rack Mount. Dimensions 600mm (W) x 800mm (D). Material CRCA Steel (Cold Rolled Steel) with Powder Coated Finish. Load Capacity Minimum 500kg Static Load. Front Door Toughened Glass with Lock and Handle. Rear Door High-Density Perforated Steel (min. 65% airflow) with Lock. Side Panels Removable, Dual-Section with Slam Latches. Cooling Top-mounted Fan Tray with 2 x 230V AC High-Speed Fans. PDU 6-Socket 5/15A Horizontal PDU with Surge/Spike Protection. Grounding Integrated Copper Earthing Kit with pre-wired connections. Standards Compliance with EIA-310-D / DIN 41494. Approved Brands Schneider (APC), Netrack, or Legrand. 3. BILL OF QUANTITIES (BOQ) Sr. Item Description Unit Qty --- --- --- --- 1 24U Network Rack (600x800) with Doors & Side Panels Set 1 2 Fan Mounting Module (Top-mounted, 2 Fans) Set 1 3 Horizontal PDU (6-Way, 5/15A) Unit 1 4 1U Horizontal Cable Manager (PVC Finger/Metal D-Ring) Unit 4 5 1U Fixed Shelf (Steel) Unit 1 6 Hardware Kit (Pack of 50 Cage Nuts/Bolts) Pack 1 7 Grounding/Earthing Kit Set 1 8 Installation & Labeling Service Job 1 4. SCOPE OF WORK (SOW) * Assembly: Proper leveling of the rack using adjustable feet. * Mounting: Installation of 2x Switches and 2x Patch Panels (to be provided by the client). * Cable Management: Neat dressing of 96 patch cords using Velcro ties (no zip ties). * Labeling: Clear alphanumeric labeling of all ports and cables. * Testing: Verification of fan operation and PDU power delivery.
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Sr. No. 31	Accessories and Cables	
1	CAT6 Patch Panel 48Port	QTY:- 2Nos
2	CAT6 1MTR LAN CABLE	QTY :-70Nos
3	HDMI CABLE 5MTR	QTY:- 2Nos
4	Horizontal Cable Manager	QTY:- 2Nos
5	IO Box and Rj45 Connector	QTY:- 70Nos

Glossary of Technical Terms

- **NDI (Network Device Interface):** Protocol for video/audio transmission over IP networks.
- **PoE+ (Power over Ethernet Plus):** IEEE 802.3at standard for powering devices via Ethernet.

Detailed Scope of Work

- The Audio-Visual, CCTV and Network and Network System will be installed in the Training and Placement Office (TPO) to support a wide range of crucial activities including pre-placement talks, corporate presentations, recruitment drives, student training sessions, and hybrid events (virtual interviews and webinars). The system must integrate seamlessly with the existing network infrastructure (Gigabit Ethernet) and all supplied equipment must comply with relevant Indian and international safety (e.g., BIS, UL) and environmental (e.g., RoHS) standards.

Key requirements for the project include:

- **High-definition projection system** and large-format **4K UHD displays** for impactful corporate presentations and clear video interactions.
- A **professional audio system** featuring multiple microphone types (handheld, collar, gooseneck) and strategically placed loudspeakers to ensure exceptional speech clarity during presentations, Q&A sessions, and group discussions.
- An **intuitive, centralized presentation system** for easy switching between multiple wired (HDMI/USB-C) and wireless (Airplay/Miracast) content sources, ensuring smooth transitions during company presentations.
- **Advanced video conferencing capabilities**, designed for seamless integration and compatibility with major platforms like **Microsoft Teams, Google Meet, and Zoom**, to facilitate remote interviews and virtual recruitment drives.
- A **robust supporting network infrastructure**, including Wi-Fi 6 access points, managed switches, and a comprehensive **IP-based CCTV system** for security and monitoring of the recruitment process.
- A **complete turnkey solution**, covering the supply, professional installation, neat cabling, system configuration, testing, training, and final commissioning of all specified equipment.
- Any **minor civil works** (e.g., wall reinforcement for mounts, precise tabletop cutting for the cable cubby, surface finishing) necessary for the equipment installation shall be carried out by the successful bidder at no additional cost, under the guidance of our facilities department.

Service Level Agreement (SLA)

This Service Level Agreement outlines the performance standards and associated penalties agreed upon for the services rendered. The key parameters are as follows:

1. Response Time

- **Requirement:** Response must be provided within **4 hours** of lodging a complaint.
- **Channel:** Complaints must be submitted via the authorized **VJTI email**.

2. Resolution Time

- **Critical Issues** (e.g., system downtime): Must be resolved within **24 hours**.
- **Non-Critical Issues:** Must be resolved within **48 hours**.

3. Uptime Guarantee

- **Service Availability:** Minimum **99.5% uptime per month** is required.

4. Penalties for Non-Performance

- **Service Delays:** ₹100 per affected **device/system per day** beyond the resolution time, deducted from the **security deposit**.
- **Delayed Delivery of Goods/Equipment:** ₹100 per **day of delay** beyond the stipulated delivery deadline.

OEM CRITERIA

SR. NO	GENERAL CONDITIONS - TO PREQUALIFY ALL THE OEMS SHOULD SATISFY THE ELIGIBILITY CRITERIA MENTIONED BELOW.	SUPPORTING DOCUMENT REQUIRED
1	Compliance Check / {Certificate of Compliance / Declaration of Conformity / Conformance Letter}	The OEM shall provide a Compliance Certificate on its official letterhead, duly signed and sealed by an authorized representative. The certificate must reference the relevant bid/tender number and explicitly confirm that all supplied equipment fully conforms to the specifications, standards, and requirements outlined in the tender documents. This certificate will serve as formal assurance that the delivered products meet the agreed-upon technical and quality criteria.
2	"The Bidder must have a minimum of 10 years of continuous experience in the manufacturing of equipment similar in nature, scope, and technology to those specified in this tender. The experience must specifically relate to the categories of Audio-Visual, CCTV and Network (A.V.), Network and CCTV systems and related components being procured."	Incorporation Certificate or equivalent.
3	"The OEM must provide a product support and availability roadmap confirming that the supplied products will remain under official support and will not be classified as end-of-sale or end-of-support for a minimum of 5 years from the date of delivery."	Signed letter from OEM confirming product lifecycle.
4	Bidder must have supplied similar Audio-Visual, CCTV and Network (A.V.), Network and CCTV systems to at least 3 educational or government institutions in India.	Work completion certificates from clients.
5	OEM must comply with BIS, UL, or CE standards for equipment mentioned in this tender.	Certification documents.

Bidder Criteria

Sr. No.	General Conditions - To Prequalify all the OEMs should satisfy the Eligibility Criteria mentioned below.	Supporting Document Required
1	MAF or OEM Certification is mandatory and should be specific to Bid Number and Bid Date. No general MAF will be accepted. Wherever Authorized Distributors/service providers are submitting the bid, Authorization Form /Certificate with OEM/Original Service Provider details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid	Attach ink signed/Digitally signed MAF from OEM
2	Certified balance sheet and Profit and Loss statement for last three financial years.	Audited reports and CA certificate
3	Documentary proof of GST registration.	GST Certificate
4	Bidder should be profit making organization from consecutively past 3 FYs.	Audit Reports
5	The Bidder must have positive net-worth in last 3 financial years	Audited reports and CA certificate
6	The Bidder must have an average Annual turnover not less than ₹ 1 Crores/-	Audited reports and CA certificate
7	The bidder shall be at least 15 Years established company.	Incorporation / Firm Registration Certificate. / MSME Certificate
8	The bidder shall have successfully completed at least two similar work orders with a combined value of not less than ₹1.00 Crore during the last three (3) years.	Work Completion certificate issued by the client, clearly stating the contract value.
9	Bidder company should be a registered member of AVIXA with at least 1 or more CTS Certified staff employed. • AVIXA (Audio-Visual, CCTV and Network and Integrated Experience Association) is a globally recognized A.V. industry body. • Requiring AVIXA membership ensures the bidder is aligned with international standards and industry best practices.) • CTS (Certified Technology Specialist) is a professional certification by AVIXA, signifying verified knowledge in A.V. systems design, integration, and operation.	Bidder should submit CTS Certificate and membership proof.

	Requiring at least 2 CTS-certified staff ensures that the bidder has technically qualified personnel on their team, capable of handling complex A.V. installations and support.	
10	Malicious Code Certificate	Should be on OEM Letter Head having bid number mentioned with seal & sign of OEM
11	Escalation matrix	With Bid Number mentioned on OEM Letterhead with seal and sign of OEM
12	The solution should have service warranty for period of 3 years and bidder should be responsible for SITC, support, warranty and after sales service for the items during the warranty period	Warranty certificate from OEM With Bid Number mentioned on OEM Letterhead with seal and sign of OEM.
13	ISO certifications from Bidder or OEM	9001-2015 and 27001-2022 and 14000-2015
14	It is mandatory for all prospective bidders to undertake a site visit before submitting their bids. The purpose of the site visit is to provide the bidders with a comprehensive understanding of the site requirements and the conditions that may affect the execution of the work. Failure to undertake a site visit will result in the automatic rejection of the submitted bid.	Bidder must upload a visit report along with a bid document having seal and sign of buyer.
15	Support Center: The bidder or OEM must operate a 12/7 support center in Mumbai/Navi Mumbai, accepting complaints via email, unified portal, or telephone	Address Proof such as Electricity Bill of office having address mentioned, Property Tax pay receipt from municipal corporation, etc.
16	Non-Blacklisting Declaration.	Should be on bidder Letter Head having bid number mentioned with seal & sign of bidder.
17	Datasheet of all quoted products should be attached with tender documents.	Products Literature/Datasheet
18	ISO certifications from Bidder or OEM	9001-2015 and 27001-2022 and 14000-2015

Additional Requirements

- Product Lifecycle:** Products must have a minimum 3-year support roadmap and must not be end-of-life during the contract period.
- Replacement:** In case of system failure, replace defective components with same or higher specifications within 24 hours of complaint lodging.
- Environmental/Safety Standards:** All equipment must comply with RoHS, BIS, UL, or CE standards.
- Cybersecurity:** IP-based equipment must support ISO 27001-compliant security features (e.g., encryption, secure updates).

SECTION 5
FINANCIAL BID

- Quote prices in INR, inclusive of all costs (supply, installation, testing, commissioning, training, documentation, maintenance during warranty) except GST, which must be specified separately.
- Clearly indicate any additional charges/taxes.

Sr. No.	Item	Total Bid Price in ₹
1	Supply, Installation and Commissioning of Audio-Visual, CCTV and Network System for TPO At Veermata Jijabai technological Institute	
2	GST	
3	Other charges/taxes (if any) Please Provide Details	
	Total bid price in figure	
	Total bid price in words	

Sr.No	Item	Description
1.	Contact Person	
2.	Business Address	
3.	Tel No.	
4.	Mobile No.	
5.	Fax No.	
6.	E-mail	

- This offer shall be valid for 60 calendar days from the last date of submission of tender.
- Evaluation will be done on the basis of Total Bid Price (including all Taxes).
- We accept all terms & conditions of the contract.

Place:

Date:

Signature of Vendor with seal

**SECTION 6:
CHECKLISTS, DECLARATIONS AND ANNEXURES**

Documents Submission Checklist:

Sr. No.	Requirement	Complied (Yes/No)	Document Reference
1	Firm Registration Certificates (PF, ESIC)		
2	GST Registration Certificate		
3	Partnership Deed/Incorporation Certificate		
4	Income Tax Returns (2022-23, 2023-24, 2024-25)		
5	Tender Fee Receipt (₹7,080/-)		
6	EMD Receipt (₹1,00,000/-)		
7	Site Visit Acknowledgment		
8	MAF from OEM		
9	Audited Financial Statements (Last 3 F.Yrs.)		
10	AVIXA Membership and CTS Certificates		
11	Malicious Code Certificate		
12	Compliance Certificate		
13	Escalation Matrix		
14	Warranty Certificate		
15	ISO 9001:2015 and 27001:2022 Certificates		
16	Non-Blacklisting Declaration		
17	Product Datasheets		

Project Timeline:

Milestone	Timeline
Site Survey	19 th Aug 2026
Pre-Bid Meeting	19 th Aug 2026
Bid Submission Deadline	As per portal schedule
Technical Bid Opening	As per portal schedule
Financial Bid Opening	To be notified
Delivery of Equipment	Within 30 days of purchase order
Installation and Commissioning	Within 30 days of purchase order
Training	Within 15 days of commissioning
Handover and Sign-Off	Within 45 days of purchase order

Declarations

1. **Non-Blacklisting Declaration:** On bidder's letterhead, confirming the bidder is not blacklisted by any government entity.
2. **Malicious Code Certificate:** On OEM letterhead, confirming equipment is free of malicious code.
3. **Compliance Certificate:** On OEM letterhead, confirming compliance with tender specifications.
4. **Warranty Certificate:** On OEM letterhead, confirming 3-year warranty.

Annexure – [I]

Site Visit Acknowledgment Form

(To be printed on bidder's letterhead and submitted along with the tender documents)

This is to certify that the below-mentioned authorized representative(s) of the prospective bidder has/have visited the site of the TPO at Veermata Jijabai Technological Institute (VJTI), Matunga, Mumbai, as part of the tender requirement for:

Name of the Work: Supply, Installation, Testing and Commissioning (SITC) of Audio-Visual, CCTV and Network System for TPO

Tender RefNo: VJTI/TPO/2026-27/Tender/01

The site visit was conducted between the allowed period from 19th Aug 2026.

Particulars	Details
Name of Bidder Organization	
Address of Bidder	
Name of Authorized Representative	
Designation	
Mobile Number	
Email ID	
Date of Site Visit	

We confirm that we have examined the site conditions and existing infrastructure and understood the scope of work. We shall not raise any claims on account of lack of understanding of site conditions.

Authorized Signatory of Bidder:

Name: _____

Designation: _____

Signature with Seal: _____

Date: _____

Acknowledged by VJTI Representative:

Name: _____

Designation: _____

Signature with Official Seal: _____

Date: _____

Compliance Certificate

[OEM's Company Letterhead]

Compliance Certificate

Date: [Insert Date]

Bid/Tender No.: [Insert Bid/Tender Number]

To,

[Buyer's Name & Address]

[Project/Tender Reference]

Subject: Compliance Certificate for Supplied Equipment

Dear Sir/Madam,

This is to certify that the equipment supplied by [OEM Company Name] under the above-mentioned bid/tender number fully complies with the technical specifications, standards, and requirements specified in the tender documents issued by [Buyer's Organization Name].

Below are the details of the supplied products along with their specifications:

Sr. No.	Product Name/Model	Specification Parameter	Value/Description
1			
2			
3			
...			

We confirm that all supplied products meet the quality and performance criteria as per the tender, with no substitutions or deviations.

Should you require any further information or clarification, please feel free to contact us.

Thank you.

Sincerely,

[Authorized Signatory Name]

[Designation]

[OEM Company Name]

[Seal & Signature]