

# TELANGANA ELECTRICITY REGULATORY COMMISSION

11-4-660, 5<sup>TH</sup> Floor, Singareni Bhavan, Red Hills, Hyderabad – 500 004



## TENDER NOTICE FOR SUPPLY, INSTALLATION AND COMMISSIONING OF INTEGRATED AUDIO AND VIDEO EQUIPMENT

AT

**Vidyut Niyantran Bhavan**  
TGERC, Kalyan Nagar, Hyderabad.

Tender No.: TGERC/NZEB/STN – 01/2024

Tender Issue Date: 16<sup>th</sup> June 2024

Last Date of Submission: 22nd June, 2024 by 12:00 Hrs

TGERC proposes for supply, installation and commissioning of an integrated Audio and Video equipment for their Conference hall ,Court hall and other places at their Vidyut Niyrantr Bhavan, Kalyan Nagar, Hyderabad. In order to finalize the supplier, sealed quotations are invited from the Original Equipment manufacturers or their Authorized dealers for supply, installation and Commissioning of Integrated Audio and Video Equipment for Conference hall , Court hall and other places at Vidyut Niyrantr Bhavan,TGERC. Following is the requirement:

### TECHNICAL SPECIFICATIONS

S. No.	Description	UOM	Qty	Compliance
1	Central Controller To connect through CAT 6 cable in AC Mains operation, a daisy chain wiring scheme, 16 nos. of Delegate Units to be connected with the Control Unit. Scalable up to maximum 64 Units (using 4nos. Expansion Units), Built in digital feedback suppressor, Integrated recording function, the recorded data can be stored in external USB, Limit mode & FIFO modes can be configured from on device controls and software Mic input for real time interpretation. Voting facility, Camera tracking function. Supports cameras with VISCA and PELCO D protocol, LCD displays the working status, EQ settings, Voting results etc. Equalization and signal processing can be adjusted through control software, Live interpretation facility, RCA output for connecting external amplifier, RCA Input for connecting to external audio sources, 3 pin female XLR input for mic input for live interpretation, RJ45 port for connecting chairman unit and delegate units in daisy chain, RJ485 for Video/camera tracking/switching, Ethernet port for connecting to PC to use supplied software, 1 x balanced mic input, 1 x Line/AUX RCA (+10dBu), 1 x MP3 (Max level -20dBu), Frequency Response:Vocal 200Hz – 6Khz @ 0dBu, +-1.5Db (software adjustable), S/N Ratio:97Db, THD <0.01% @ 0 dBu 1Khz,	Nos.	1	Stu diomaster/Ah uja/AKG
2	Chairman Unit Gooseneck Length 18", Equipped with built in speaker, Adjustable headphone volume, Priority function to override all Delegates, LCD displays the working status and voting status,Voting facility through touch Keys, Headphone monitor output: Switchable between mix mode & interpretation mic mode, adjustable headphone volume, speaker output max +13dBu AMP, Control:Talk switch, Speaker volume control through Control unit/software, less than 720gms.	Nos.	1	Stu diomaster/Ah uja/AKG
3	Delegate Units: Gooseneck Length 18" Equipped with built in speaker, Adjustable headphone volume, LCD displays the working status and voting status, Voting facility through touch keys, Headphone monitor output: Switchable between mix mode & interpretation mic mode, adjustable headphone volume, , speaker output max +13dBu AMP, Control:Talk switch, Speaker volume control through Control unit/software, less than 720gms	Nos.	50	Stu diomaster/Ah uja/AKG
4	Conference Expansion Unit To add for every 32 delegate units, RJ45 ports for expansion, Power LED indicator	Nos.	4	Stu diomaster/Ah uja/AKG
5	Wall Speakers, Power rating 60watts RMS/90Watts Max, Power Taps: 60/40/30/20/10 watts, Impedence 8 ohms/100volts, Freq Resp: 50-20000hz, SPL @ 1KHz (1w/1m)=87dB, Woofer size 6 1/2 inch, Tweeter 1 inch, Less than 3.8kgs, Water Resistant PP coated cone Woofer, a Titanium Dome Tweeter and a 2-way Crossover Network, 'U' type bracket for convenient & firm fixing.	Nos.	6	Stu diomaster/Ah uja/AKG

6	<p>Amplifier, "1x Line 200mV unbalanced input through 1/4" phone socket, 1xLine 200mV balanced input &amp; 2x Line 1V balanced inputs through XLR connectors, one 1V input having priority over all other inputs, 100V input is provided for connecting another amplifier's output in long line applications. Ground lift switch provided at rear panel which helps reducing the hum that occurs due to multiple ground loops in the installations. Resettable circuit breaker for protection against overload and short circuit. Loop through output for connecting another booster amplifier.</p> <p>482.6 mm(19") Rack mountable chassis.</p> <p>Instant transfer to DC power (Car Battery) if AC power fails, Power output:415watts max, 325watts RMS, Signal to Noise ratio:60dB, Freq Resp 50 to 15000Hz, SPEAKER OUTPUTS 4Ω, 8Ω, 70V &amp; 100V, power supply AC: 220-240V 50/60Hz DC: 24V (2x12V Battery), Power Consumption AC : 1200VA DC: 15A"</p>	Nos.	1	Studiomaster/Ah uja/AKG
7	<p>Dual Handheld Cordless Mikes with common receiver, Two handheld dynamic transmitters, each operating on 2 × 1.5V AA pencil cells. Separate balanced audio output from each channel through XLR connector and an unbalanced mixed output through 6.3mm (1/4") jack socket available from the receiver.</p> <p>Receiver operates on 12V DC through an AC adaptor supplied along with the transmitter. TRANSMITTER: RF Output Power 10mW (Max.). Frequency Stability ±0.005%, Modulation Mode FM, Microphone Element Dynamic, Cardioid, Frequency Response 50-15,000Hz Power Requirement 3V (2 × 1.5V AA Pencil Cells) Current Consumption ≤ 150 mA, Controls Microphone ON/OFF switch, Indication Channel Frequency Display, RECEIVER: Audio Output Bal. 0dBu, Unbal. -10dBu S/N Ratio 100dB, Distortion ≤1%, Frequency Response 50-15,000Hz, Power Requirement 220V- 240V AC 50Hz for AC Adaptor (supplied alongwith) Controls ON/OFF Switch, Volume Controls for Channel A &amp; B Indications LEDs for RF &amp; Audio Signal, Channel Frequency Display"</p>	Nos.	1	Studiomaster/Ah uja/AKG
8	Speaker Cable Coil, 23/36 STD	Mtrs	150	Falcon/Finolex/Krystal
9	Dlink CAT6 Cable of 200 mtrs	Nos.	1	DLink /equivalent
10	Netrack 12 U Rack with accessories	Nos.	1	Netrack/Netfox/Valrack
11	PTZ cameras (3G/HD PTZ Camera with IP Out - Dual Stream (1080p/1080i/720p) - Black	Nos.	3	Sony/Datavideo/ Panasonic

	3G/HD SDI, HDMI & H.264 IP streaming outputs PTZ Camera (c/w IR Remote control), 1/2.8" HD CMOS sensor, 2.07Megapixels, 20x optical Zoom (10x digital zoom) , FOV: 54.7o, Dual Color Tally LED design, RS- 232/RS-422/RS-485 Sony VISCA & DVIP control (c/w IR Remote control & Ceiling mount bracket) )			
12	Wallmount Bracket from Camera OEM	Nos.	3	Sony/Datavideo/ Panasonic
13	7" Captive Touch Screen Control with POE (802.3af) 800 x 480, RJ-45 control via RS-232, DC 12V, Power consumption 10 Watts, Operating Temp 0 to 40,	No.	1	Sony/Datavideo/ Panasonic
14	5 Channel NDI Streaming switcher 5-CH (1x 3G/HD/SD-SDI, 4x HDMI 1.4 (input 1 seletable s SDI/HDMI), 1x USB 3.0) Streaming Switcher, Audio delay calibration (each channel up to 3000ms), built-in 1x HDMI Multi-view monitoring output, Support PiP on PGM, Logo insertion, MP4 Recording file format (FAT, NTFS, exFAT), 1 TB SSD Streaming Protocol: DHCP Client, TS over UDP (unicast & multicast), RTSP over HTTP/TCP/UDP, RTMP (Publish)/RTMPS, HLS, SRT Caller & Listener, Web RTC (encode/decode), NDI/Hx. 2x XLR Balanced audio, 1 pair x RCA Unbalanced Audio, SD/HDMI embedded audio, IP Audio (RTSP AAC-ADTS, PCM) (External & embedded audio mixable.	No.	1	Sony/Datavideo/ Panasonic

15	Distribution Amplifier: 1 In 4 Out 4K/3G/HD/SD HDMI Distribution Amplifier, Video Bandwidth Single-link 600MHz (18Gbps), Audio Format:DTS-HD Master Audio, Dolby TrueHD, Dolby Digital, DTS, DVD-Audio, LPCM, SACD, MPCM, Power: 12v / 6w Support video input format: Auto-scan of SD/HD/3G/UHD/4K DCI (4096x2160p). Support PC input resolution: Auto-scan of 640x480 up to 1920x1080@60Hz	No	1	Sony/Datavideo/Panasonic
16	HDMI to USB 3.0 Capture Device : HDMI to USB 3.0 Capture Device (for VC application) Plug-n-Play HDMI-USB Capturing device supports up to 1080p60. Compatible Software: -> Streaming: OBS, Vmix, WireCast (up to 1080p) -> Social Media: YouTube, Facebook (up to 1080p) -> Video Conferencing (VC): ZOOM, Skype, GoogleMeet, Microsoft Teams (up to 720p) ** for Android phone: compatible with OS8 & OS9 only thru a USB-C OTG Adaptor **	No	1	Sony/Datavideo/Panasonic
17	8 port network switch: Eight Fast Ethernet LAN ports for high-speed wired connections Compliant with IEEE 802.3az Energy-Efficient Ethernet (EEE) D-Link Green Technology features power-saving by link status and by cable length Auto-sensing ports automatically detect network connections and adjust accordingly	No	1	DLink/Equivalent
18	75" Professional Display: 4K, 350 Nits, 4000:1 contrast, Active display area: 1650.24 (H) x 928.26 (V), Pixel Pitch:0.42975 x 0.42975, Color Gamut: 92% (DCI-P3, CIE 1976), 16/7 hours operation, HDMI 2.0 3nos, USB 2.0 X 2nos, output stereo mini jack, RS232 IN/OUT, RJ45, 2 Channel 10watts speakers, Vesa mount 400x400, Internal player: OS Tizen 6.5, Processor Cortex A72 1.7GHz, Wifi Quad-Core CPU, Storage 8GB, S/W Workspace (Microsoft365/VMWare/RDP) / Custom Home / Auto Source Switching & Recovery / Dicom Simulation Mode / Director Mode / SmartView+(PC) [end of march~] Upgradable Web-Engine / Tizen Enterprise Platform / Smart Calibration / SmartView+(mobile) / Video Conference Solution, EMC Class B, IP5x	No	19	Samsung/Sony/Panasonic
19	65" Professional Display: 4K, 350 Nits, 4000:1 contrast, Active display area: 1428.48 (H) x 803.52 (V), Pixel Pitch:0.372 x 0.372, Color Gamut: 92% (DCI-P3, CIE 1976), 16/7 hours operation, HDMI 2.0 3nos, USB 2.0 X 2nos, output stereo mini jack, RS232 IN/OUT, RJ45, 2 Channel 10watts speakers, Vesa mount 400x400, Internal player: OS Tizen 6.5, Processor Cortex A72 1.7GHz, Wifi Quad-Core CPU, Storage 8GB, S/W Workspace (Microsoft365/VMWare/RDP) / Custom Home / Auto Source Switching & Recovery / Dicom Simulation Mode / Director Mode / Smart View + (PC) [end of march~] Upgradable Web-Engine / Tizen Enterprise Platform / Smart Calibration / SmartView+(mobile) / Video Conference Solution, EMC Class B, IP5x	No	5	Samsung/Sony/Panasonic

20	55" Professional Display: 4K, 350 Nits, 4000:1 contrast, Active display area: 1209.6(H) x 680.4(V), Pixel Pitch:0.315 x 0.315, Color Gamut: 92% (DCI-P3, CIE 1976), 16/7 hours operation, HDMI 2.0 3nos, USB 2.0 X 2nos, output stereo mini jack, RS232 IN/OUT, RJ45, 2 Channel 10watts speakers, Vesa mount 400x400, Internal player: OS Tizen 6.5, Processor Cortex A72 1.7GHz, Wifi Quad-Core CPU, Storage 8GB, S/W Workspace (Microsoft365/VMWare/RDP) / Custom Home / Auto Source Switching & Recovery / Dicom Simulation Mode / Director Mode / Smart View+(PC) [end of march~] Upgradable Web-Engine / Tizen Enterprise Platform / Smart Calibration / Smart View+(mobile) / Video Conference Solution, EMC Class B, IP5x	No	3	Samsung/Sony/Panasonic
21	86" Touch Display, 4K, 390 Nits, 1200:1 Contrast, response time 8ms, 16/7 operation, built-inspeaker 12w x 2, inputs of RGB, HDMI 3, Stereo mini1, USB 2.0 1NO, 3.0 4nos, HDMI Out, stereomini out, touch out, Eco sensor, RS232 IN/OUT, RJ45 IN/OUT, BT/WIFI, Touch Type IR, 20 Touch points, Passive Pen, Object recognition range 5mm/10mm/15mm, Touch response less than 10ms, drawing speed less than 45ms, Haze 25%, Thickness 3.2T, Hardness Tempered Glass, OPS Slot, Android 13, 8GB ROM, 64GB Storage, A55x4 Processor, Apps of Noteapp/Screeshare/Finder/Browser/ WebRTC etc to be available, wallmountable or on floor stand..			Samsung/Sony/Panasonic
22	75" Touch Display, 4k, 390 Nits, 1200:1 Contrast, response time 8ms, 16/7 operation, built-inspeaker 12w x 2, inputs of RGB, HDMI 3, Stereo mini1, USB 2.0 1NO, 3.0 4nos, HDMI Out, stereomini out, touch out, Eco sensor, RS232 IN/OUT, RJ45 IN/OUT, BT/WIFI, Touch Type IR, 20 Touch points, Passive Pen, Object recognition range 5mm/10mm/15mm, Touch response less than 10ms, drawing speed less than 45ms, Haze 25%, Thickness 3.2T, Hardness Tempered Glass, OPS Slot, Android 11, 4GB ROM, 32GB Storage, A55x4 Processor, Apps of Noteapp/Screeshare/Finder/Browser/ WebRTC etc to be available, wall mountable or on floor stand..			Samsung/Sony/Panasonic
23	43" Signage Displays, 4k, 500nits, 4000:1Contrast, DP1.2 1, HDMI 2.0 3, USB 2.0 2, RS232 IN/OUT, RJ45, WIFI/BT, 10x2 speakers, UHD Signage with built-in signage software, OS Tizen 7.0, Processor CA73 1.6GHz Quad-Core, Storage 16GB, 2ND B2B Design, Center IR, Temperature Sensor, Ambient Sensor, Signage New Home, Workspace (Microsoft371/VMWare/RDP) Custom Home Auto Source Switching & Recovery Dicom Simulation Mode Director Mode SmartView+ Upgradable Web-Engine Tizen Enterprise Platform Video Conference Solution Smart Calibration, EMC ClassB, Environ Cert Energy Star 8.0 EPEAT, IP5x rating, Security 02.1 x (WPA2 Enterprise) : EAP-TLS, EAP-TTLS, EAP-PEAP			Samsung/Sony/Panasonic
24	22" touch Display: Full HD, 21.5", Active Area:476 x 268 mm (18.7 x 10.5 in), Contrast 1000:1, Pens:Battery-free Pro Pen 2 with 2 customizable side switches and 8,192 pressure levels in both pen tip and eraser (patented electromagnetic resonance technology), Response rate 22ms, Connectivity HDMI, USB2.0, Adjustable stand, pen holder.	No.	3	Samsung/Wacom/Sony

25	HDMI 1:8 Splitter, 1:8, 4K UHD, Supports resolution upto 4K@60Hz (4:2:0) , Sampling rate upto 192Khz, high definition digital audio formats LPCM 7.1, CEC enabled.	Nos.	1	ATEN/NT/Kramer
26	HDMI 15 Mtrs. Cable	Nos.	2	ATEN/NT/Kramer
27	HDMI Extenders with CAT 6 Cable, 100mts, 1080p @ 60Hz, HDMI COMPLIANCE 1.3 V , HDCP COMPLIANCE 1.4 V, Transfer Rate 10.2 GBPS,	Nos.	5	ATEN/NT/Kramer
28	Floor stand for displays	Nos.	5	NT/Equivalent
29	Installation Charges, with conduits	Job	1	As reqd

1. Original Equipment Manufacturers or their Dealers who are capable of supply, installation of the required equipment **within 10 days from the date of issue of the work order** shall only furnish the quotations for the above items. No deviations to the bid will ever be allowed or entertained.

**2. Eligibility of Bidders:**

Minimum eligibility criteria of the Bidders are as under:-

- (i) Bidders shall preferably be Hyderabad based except for OEM.
- (ii) Bidders, if not OEM, should have authorization from OEMs. Please enclose authorization letter along with quotations accordingly.
- (iii) Bidders should have minimum five years' experience of supplying Integrated Audio and Video Conferencing equipment to Departments/Ministries of the Government of Telangana or Government of India or Public Sector Undertakings. Copies of two Purchase Orders received from Govt. Departments/PSUs during the last three years should be enclosed. The value of at least 2 purchase orders should be more than Rs. 10 Lakhs (Rupees Ten Lakhs only).
- (iv) Bidders should have minimum turnover of Rs.25.00 Lakh per year during the last three financial years. Copy of audited account statement of Balance Sheets and Profit & Loss account for last three financial years should be enclosed.
- (v) Bidders should not have been blacklisted by Departments/Ministries of the Govt. of Telangana or Government of India or PSUs for which Declaration has to be submitted in the specified format as provided in Tender Document in **Annexure 'I'**.
- (v) The bidder must have infrastructure support i.e., Service centre/franchise/OEM service centre. The bidder must submit the details of

their infrastructure with reference to locations, technical manpower availability, inventory of spares, etc. and also indicate their business model for providing warranty and after sale support, as provided in Annexure 'II'.

**3. Tender documents:**

The Tender documents consisting of (i) terms and conditions of the tender and (ii) Technical Bid, Financial bid (Price schedule). There is no fee for Tender Document. All pages of tender document along with Terms and Conditions should be signed and submitted, failing which bidder will be declared not eligible.

**4. Technical Bid:**

The Bidders are required to submit technical bid enclosing therewith photocopies of the following documents, failing which their bids will be summarily rejected and will not be considered any further: -

- (i) Registration Certificate of the firm/proprietorship / Certificate of incorporation.
- (ii) Copy of GST/CST/VAT/TIN/Service Tax Registration Certificates
- (iii) Copy of PAN/GIR Card.
- (iv) Copies of Income Tax Returns filed for the last three financial years having turnover of Rs.25.00 Lakhs and above.
- (v) Copies of audited A/c statement of Balance Sheets and Profit & Loss A/c for last three financial years.
- (vi) Original copy of authorization from manufacturer for supply, installation and warranty support in case the firm is not a Original Equipment Manufacturer (OEM) of the item (Annexure-'II').
- (vii) Proof of supply to Government Departments/PSUs for last three years. Two copies each of POs value of Rs. 10.00 lakhs (Rupees Five Lakhs) each with proof of the supply the items should be enclosed.
- (viii) Copy of DGS&D Registration Certificate, if registered with them.



(ix) Declaration regarding blacklisting or otherwise (**Annexure-I**).

The above information shall be furnished by the bidder as per format given in **Annexure-I**. The firm may be asked to furnish original documents to verify the authenticity of the documents at any point of time.

(x) Valid quality assurance certificate for quoted products with validity date from a certifying institution. The technical bid should give the product matching specifications given in the **Annexure -III**. Compliance for each specification for the product should be clearly indicated in the technical bid. If there is any deviation, it may be clearly indicated in the technical bid. If the deviation from the technical specifications is not acceptable to the TGERC the bids are liable to be rejected.

## 5. Financial Bid:

- (i) The financial bids (**Annexure-IV**) of only technically qualified bidders will be opened in the presence of their representatives authorized if any, on 24-06-2024 at 15.00 Hrs.
- (ii) The rates/prices should be quoted in Indian Rupees only both in words and figures.
- (iii) Only one price should be quoted for each item and if more than one price is quoted under different options, the lower rate quoted only will be valid and considered for evaluation.
- (iv) Price should be quoted FOD (Free of delivery) at Vidyut Nyantran Bhavan, TGERC, Kalyan Nagar, Hyderabad.

## 6. Earnest Money Deposit (EMD):

- (i) EMD of **25,000** ( Rupees Twenty five thousand only) in the form of Demand Draft/ Banker's Cheque from any scheduled bank drawn in favour of "TGERC Fund" payable at Hyderabad from any Scheduled Bank shall be submitted in a separate envelope as stated in Para 6 (iii). The bidder may write the name and address of the bidder on the reverse of EMD Draft/Banker's Cheque.

- (ii) Cheque/Money Order/Cash/BG shall not be accepted as EMD.
- (iii) The EMD shall be forfeited, if a Bidder withdraws his bid during the period of bid validity, specified by the Bidder in the Bid and/or on submission of false documents/undertaking and also for violation of any of the conditions of the tender.
- (iv) The bids received without EMD or submitted for lesser amount and EMD not submitted in the manner prescribed, shall be rejected as non-responsive at the bid opening stage.
- (v) The submission of EMD is compulsory for all the bidders and no exemption will be granted for submission of EMD in any case, except for those, who are registered under MSME, provided they submit a certificate issued by the Ministry of MSME.
- (vi) The bid security shall normally to remain valid for a period of forty -five days beyond the final bid validity period.
- (vii) The bid security of the unsuccessful bidder will be returned to them within 30 days after finalization and award of the tender without any interest.

## **7. Submission of Bids:**

The bid shall be typed or printed. All pages of the bid document shall be numbered consecutively and shall be signed by the bidder as proof of having read the contents therein and in acceptance thereof.

- (i) The bid shall be written in English only.
- (ii) The bid prepared by the bidder shall comprise of
  - (i) Technical Bid **Annexure-III** and
  - (ii) Financial Bid **Annexure-IV**.
- (iii) Bid may be submitted in the following manner:
  - (a) **Envelop No. 1-** Shall contain the bid EMD. The envelope must be superscribed “EMD”.
  - (b) **Envelop No.2-** Shall contain all the information and documents in the same serial order as shown in the technical bid. The envelope must be superscribed “Technical Bid”.
  - (c) **Envelop No.3-** Shall contain the rates/prices of the items duly filled in (schedule of rates) and signed and stamped. The envelope must be superscribed “Financial Bid”. (Please note that the price should **not** be indicated in any of the documents enclosed in envelope 1 and 2).
- (iv) All the envelopes must be superscribed “Tender for Supply of Integrated Audio and Video equipment” and shall be sealed in fourth envelope and addressed to The Commission Secretary, Telangana Electricity Regulatory Commission, 11-4-660, 5<sup>th</sup> floor, Singareni Bhavan, Red hills, Hyderabad - 50004. The Tender must reach on or before **22.06.2024 up to 12.00 hrs.** Bids may be deposited in the front office of TGERC or submitted by post. If the date on which the tender is opened for acceptance is declared to be a holiday, the tenders shall be deemed to remain open for acceptance till the next working day.
- (v) This office will not be responsible for postal delay.
- (vi) Incomplete and conditional tenders will be rejected.
- (vii) All the envelopes shall indicate the name and address of the bidder to enable the bid to be returned, if required.

(viii) No other method/means of submission of bid except as stated above shall be acceptable. All the documents submitted in the bid must be legible and self attested. Otherwise the bid is likely to be rejected.

**8. Delayed Submission of Bids:**

No bid will be received /accepted after the expiry of the prescribed date and time for submission of the bids.

**9. Opening of Bids:**

(i) **Envelop No. 1** containing the bid security (EMD) shall be opened by the authorized Committee on **24.06.2024** at **12.00 Hrs** in the presence of the bidders or their representatives duly authorised by the bidder who wish to be present. The representatives are required to bring photo identity cards issued by the firm/employer and also a copy of the authorisation as given in **Annexure- VI**. If the bid security/EMD is not found as prescribed, the bid shall be summarily rejected.

(ii) **Envelop No.2** containing the technical bid shall then be opened and serially numbered by the authorized committee. The bidders name, documents submitted/not submitted and such other details shall be announced by the authorized committee at the time of bid opening. The competent authority shall examine/evaluate the technical bids to determine whether they fulfill the eligibility criteria and have submitted the requisite documents and terms & conditions specified in the tender documents. The technical committee shall see that the matching specifications have been quoted by the bidder and if found in order, the financial bids of technically qualified bidders only will be recommended for opening and consideration by the Competent Authority.

(iii) **Envelop No.3** containing the sealed price bid of firm whose bid is

technically found to be in order, shall be subsequently opened on **24.06.2024 at 16:00 hrs** after completion of analysis of the technical bids.

Only summary of prices quoted by the bidders will be read out.

#### **10. Validity of Bid Period:**

Bid shall be valid for a period of 180 days from the date of opening of Technical Bid.

#### **11. Performance Security Deposit (PSD):**

The successful bidder has to deposit Performance Security Deposit (PSD) for an amount of **2,50,000** (Rupees Two Lakhs Fifty thousand only). The EMD amount already paid will be adjusted towards performance security and the vendor has to furnish the performance security for balance amount in the same form prescribed for EMD or as a Bank Guarantee (BG) within three days of receipt of the purchase/supply order. The PSD will remain valid for a period of 60 days beyond the date of completion of all contractual obligations of supply including warranty period. If there are any dues against the firm, the same may be deducted from the PSD. It can be withheld or forfeited in full or in part in case of unsatisfactory service maintenance during warranty/Full Service Maintenance Agreement period. No interest shall be payable on PSD.

#### **12. Supply, Commissioning / installation, Payment and Penalty:**

- i. The Purchase/supply orders can be issued for supply of items or quantities. The items shall be delivered to Vidyut Niyamtran Bhavan, TGERC, Kalyan Nagar, Hyderabad within Ten days from the date of Purchase Order. No octroi, freight, insurance, etc. shall be paid.
- ii. If the firm/supplier fails to deliver and place any or all the items or perform the service by the specified date, penalty at the rate of 1 % per week of the total order value subject to the maximum of 10% of total

order value will be deducted.

- iii. Commissioning/ Installation shall be made by the firm within seven (7) days from the date of issue of purchase order failing which above mentioned penalty will be imposed as said.
- iv. A Bill giving details of GST Registration Nos etc. may be submitted to this office for settlement.
- v. Payment would be processed after satisfaction of technical expert that supply of equipment/ materials match the specification ordered for.
- vi. No advance payment will be made in any case. No interest charges will be paid in case of delay in payment under any circumstances.

**13. Warranty and maintenance:** The bidder shall provide comprehensive onsite warranty of one year for items as per OEM warranty. If the OEM warranty is higher than one year, the same will prevail. The period of comprehensive onsite warranty will start from the date of Commissioning of items but not later than 30 days from the date of supply of items to the office of TGERC. The bidders shall furnish an undertaking from OEM of the concerned product that they shall supply spares for the quoted product for five years after warranty period is over.

**14. Repeat order(s):** TGERC reserves the right to procure any of the items in this tender through repeat order (s) on the successful bidder at the prices finalized and as per terms and conditions of this tender for a period of 3 months from the date of issue of initial purchase orders which may be extended for a period of another 3 months at the sole discretion of the

competent authority of this office.

**15. Part order(s):**

TGERC reserves the right to procure any one or more items in this tender through the successful bidder at the prices finalized and as per terms and conditions of this tender for a period of 3 months from the date of issue of initial purchase orders which may be extended for a period of another 3 months at the sole discretion of the competent authority of this office.

**16. GENERAL TERMS & CONDITIONS OF THE TENDER:**

The following terms & conditions shall apply in connection with the supply of equipment:

- i. Any complaint should invariably be attended to by the firm within 4 hours of lodging the same and must be resolved within 24 hours. The engineer of the firm/OEM will attend the complaint at the location of the item (s).
- ii. Delivery/installation/execution of the item(s) at Vidyut Niyamtran Bhavan, TGERC, Kalyan Nagar, Hyderabad shall be arranged by the firm at their own cost.
- iii. The firm may be blacklisted for further business owing to non performance of satisfactory and timely service.
- iv. If there is any damage during transportation/installation/commissioning, the same would be borne by the supplier firm. The damaged item shall be replaced by the supplier with same specifications, agreed to.
- v. Quantity of items given in the bid is approximate, which may vary.
- vi. The tender document is not transferable.
- vii. TGERC also reserves the right to place the order in installments.

**17. Clarifications:**

In case bidder requires any clarification regarding the tender documents, they are advised to submit their queries through e-mail [secy@tserc.gov.in](mailto:secy@tserc.gov.in). No irrelevant queries will be entertained.

**18. Manual and documentation:** All the manuals necessary for operating and servicing of the equipment will have to be provided along with the equipment supplied. Connectivity /Working diagrams of the total installations of the equipment, clearly showing all existing and supplied components should be supplied invariably, supported by demonstration.

**19. Training:** The firm needs to provide adequate training involving all features of the equipment supplied, troubleshooting and day to day maintenance aspects to the nominated persons of TGERC at their cost. TGERC will not bear any training expenditure.

**20.** TGERC reserves the right to accept or reject all bids including the lowest at any time prior to award of purchase order without assigning any reason. The competent authority also reserves the right to amend or withdraw any of the terms and conditions contained in the tender document or to reject any or all the tenders in whole or in part without giving any notice or assigning any reason.

**21.** In case material offered is BIS marked / tested at any Government recognized test house, copies of relevant certificates shall be furnished along with the offer.



**22.** Test certificate of manufacturer / Government test house shall be furnished.

Sd/-  
**Commission Secretary**

## ANNEXURE I

### DECLARATION

From

To  
The Commission Secretary,  
Telangana Electricity Regulatory  
Commission, 11-4-660, 5<sup>th</sup> Floor,  
Singareni Bhavan, Red hills,  
Hyderabad

Sir,

I/We have read and understood the contents of the Tender and agree to abide by the terms and conditions of this Tender Document.

I/We also confirm that in the event of my/our tender being accepted, I/We hereby undertake to furnish Performance Security Deposit (PSD), as applicable, in the form specified within the stipulated period.

I/We hereby declare that neither our firm nor any of the Proprietor /Partner/Director of the Company have ever been black listed/suspended for business by any of the Departments of Government of Telangana or Government of India or Public Sector Undertaking.

Yours faithfully,

Place:

Date:

Signature of the OEM or Authorized Dealer  
with office seal

## ANNEXURE II

**This letter of authority should be on the letterhead of the manufacturer and should be signed by legal head or HR Head or CS of OEM. This shall be enclosed with the bid.**

To

Sub: Authorisation from OEM.

Sir,

I/We \_\_\_\_\_(Bidder/OEM) having my/our registered office (address of the OEM) am/are an established manufacturer of (name of quoted items).

I/we

\_\_\_\_\_ (name of bidder/OEM) solely authorize \_\_\_\_\_ (Name of the bidders/OEMs authorized partner) to supply, install, commission and provide warranty support on our quoted product for above mentioned tender. I/we have established that above authorized partners meet all tender eligibility conditions defined for OEMs authorized partners. I/we also have entered in an agreement with our authorized partners that they will supply, install, commission and provide warranty support for this tender on our behalf.

2. Our support is extended in all respects for supply, installation and commissioning onsite warranty and maintenance of our products. I/we also ensure to provide the service support for the supplied equipment for a period of years from date of installation of the equipment as per tender terms & conditions.

3. I/we also undertake that in case of default in execution of this tender by any of authorised partners viz\_\_\_\_\_(name of the authorized partners), the \_\_\_\_\_(Bidder/OEM) ) shall take all liabilities and responsibilities and necessary steps for successful execution of maintenance/service support.

For \_\_\_\_\_(name of ) Bidder/OEM

(Authorized  
signatory) Name  
& Designation

## ANNEXURE III

### TECHNICAL BID

#### FOR SUPPLY, INSTALLATION AND COMMISSIONING OF INTEGRATED AUDIO AND VIDEO CONFERENCING EQUIPMENT AT VIDYUT NIYANTRAN BHAVAN, KALYAN NAGAR, HYDERABAD

SL NO	Description	Details		Page No of the document
1	Name and address of firm			
2	Certificate of Registration			
3	GST/CST/VAT/TIN/Service Tax Registration Certificates			
4	PAN/GIR Card			
5.	Documents showing turnover during the last 3 years for each year ( Certified copies of IT Returns, copies of audited accounts statements viz., Profit & Loss Account and Balance Sheet to be enclosed)	Year	Enclosed Yes/No	
		2021-22		
		2022-23		
		2023-24		
6.	Details of Supply of purchase orders of proposed equipment to the Government Ministries/ Department/Organization/PSUs etc. during the last 3 years and copies of Purchase orders of Rs. 10 lakh each	Year	Enclosed Yes/No	
		2021-22		
		2022-23		
		2023-24		
7.	Copy of certificate of authorised distributor/dealership of OEM for the products to be supplied			
8.	Declaration regarding blacklisting from supplies			
9.	Whether the firm had enclosed EMD. If “Yes: then DD/Pay Order No., date, amount and Bank			
10	Name and Specimen Signature of the authorized signatory			
11	Telephone Numbers, e-mail and website details of the firm and minimum 2 persons holding important role in the firm/organization.			

Certified that the above information is correct to the best of my/our knowledge. Further, my firm / company and I have not been blacklisted/disqualified/debarred by any of the Government/Semi Government department / PSU or any other agency.

Place:

Signature

Date:

Name with Seal of firm / company

**ANNEXURE IV  
SCHEDULE OF RATES (FINANCIAL BID)**

**FROM**

**TO**

The Commission Secretary,  
Telangana Electricity Regulatory  
Commission, 11-4-660, 5th Floor,  
Singareni Bhavan,  
Red Hills, Hyderabad – 500 004

I/we declare that I/we have gone through and shall abide by the terms and conditions detailed in the tender document for supply of AV Equipment required by your office. The rates quoted as under:

S. No.	Description	UOM	Qty	Compliance
1	Central Controller To connect through CAT 6 cable in AC Mains operation, a daisy chain wiring scheme, 16 nos. of Delegate Units to be connected with the Control Unit. Scalable up to maximum 64 Units (using 4nos. Expansion Units), Built in digital feedback suppressor, Integrated recording function, the recorded data can be stored in external USB, Limit mode & FIFO modes can be configured from on device controls and software Mic input for real time interpretation. Voting facility, Camera tracking function. Supports cameras with VISCA and PELCO D protocol, LCD displays the working status, EQ settings, Voting results etc. Equalization and signal processing can be adjusted through control software, Live interpretation facility, RCA output for connecting external amplifier, RCA Input for connecting to external audio sources, 3 pin female XLR input for mic input for live interpretation, RJ45 port for connecting chairman unit and delegate units in daisy chain, RJ485 for Video/camera tracking/switching, Ethernet port for connecting to PC to use supplied software, 1 x balanced mic input, 1 x Line/AUX RCA (+10dBu), 1 x MP3 (Max level -20dBu), Frequency Response:Vocal 200Hz – 6Khz @ 0dBu, +-1.5Db (software adjustable), S/N Ratio:97Db, THD <0.01% @ 0 dBu 1Khz,	Nos.	1	Studiomaster/Ah uja/AKG
2	Chairman Unit Gooseneck Length 18", Equipped with built in speaker, Adjustable headphone volume, Priority function to override all Delegates, LCD displays the working status and voting status, Voting facility through touch Keys, Headphone monitor output: Switchable between mix mode & interpretation mic mode, adjustable headphone volume, speaker output max +13dBu AMP, Control:Talk switch, Speaker volume control through Control unit/software, less than 720gms.	Nos.	1	Studiomaster/Ah uja/AKG

3	Delegate Units: Gooseneck Length 18" Equipped with built in speaker, Adjustable headphone volume, LCD displays the working status and voting status, Voting facility through touch keys, Headphone monitor output: Switchable between mix mode & interpretation mic mode, adjustable headphone volume, , speaker output max +13dBu AMP, Control:Talk switch, Speaker volume control through Control unit/software, less than 720gms	Nos.	50	Studiomaster/Ah uja/AKG
4	Conference Expansion Unit To add for every 32 delegate units, RJ45 ports for expansion, Power LED indicator	Nos.	4	Studiomaster/Ah uja/AKG
5	Wall Speakers, Power rating 60watts RMS/90Watts Max, Power Taps: 60/40/30/20/10 watts, Impedence 8 ohms/100volts, Freq Resp: 50-20000hz, SPL @ 1KHz (1w/1m)=87dB, Woofer size 6 1/2 inch, Tweeter 1 inch, Less than 3.8kgs, Water Resistant PP coated cone Woofer, a Titanium Dome Tweeter and a 2-way Crossover Network, 'U' type bracket for convenient & firm fixing.	Nos.	6	Studiomaster/Ah uja/AKG
6	Amplifier, "1x Line 200mV unbalanced input through 1/4" phone socket, 1xLine 200mV balanced input & 2x Line 1V balanced inputs through XLR connectors, one 1V input having priority over all other inputs, 100V input is provided for connecting another amplifier's output in long line applications. Ground lift switch provided at rear panel which helps reducing the hum that occurs due to multiple ground loops in the installations. Resettable circuit breaker for protection against overload and short circuit. Loop through output for connecting another booster amplifier. 482.6 mm(19") Rack mountable chassis. Instant transfer to DC power (Car Battery) if AC power fails, Power output:415watts max, 325watts RMS, Signal to Noise ratio:60dB, Freq Resp 50 to 15000Hz, SPEAKER OUTPUTS 4Ω, 8Ω, 70V & 100V, power supply AC: 220-240V 50/60Hz DC: 24V (2x12V Battery), Power Consumption AC : 1200VA DC: 15A"	Nos.	1	Studiomaster/Ah uja/AKG
7	Dual Handheld Cordless Mikes with common receiver, Two handheld dynamic transmitters, each operating on 2 × 1.5V AA pencil cells. Separate balanced audio output from each channel through XLR connector and an unbalanced mixed output through 6.3mm (1/4") jack socket available from the receiver.  Receiver operates on 12V DC through an AC adaptor supplied along with the transmitter. TRANSMITTER: RF Output Power 10mW (Max.). Frequency Stability ±0.005%, Modulation Mode FM, Microphone Element Dynamic, Cardioid, Frequency Response 50-15,000Hz Power Requirement 3V (2 × 1.5V AA Pencil Cells) Current Consumption ≤ 150 mA, Controls Microphone ON/OFF switch, Indication Channel Frequency Display, RECEIVER: Audio Output Bal. 0dBu, Unbal. -10dBu S/N Ratio 100dB, Distortion ≤1%, Frequency Response 50-15,000Hz, Power Requirement 220V- 240V AC 50Hz for AC Adaptor (supplied alongwith) Controls ON/OFF Switch, Volume Controls for Channel A & B Indications LEDs for RF & Audio Signal, Channel Frequency Display"	Nos.	1	Studiomaster/Ah uja/AKG
8	Speaker Cable Coil, 23/36 STD	Mtrs	150	Falcon/Finolex/Krystal
9	Dlink CAT6 Cable of 200 mtrs	Nos.	1	DLink /equivalent
10	Netrack 12 U Rack with accessories	Nos.	1	Netrack/Netfox/Valrack
11	PTZ cameras (3G/HD PTZ Camera with IP Out - Dual Stream (1080p/1080i/720p) - Black	Nos.	3	Sony/Datavideo/ Panasonic

	3G/HD SDI, HDMI & H.264 IP streaming outputs PTZ Camera (c/w IR Remote control), 1/2.8" HD CMOS sensor, 2.07Megapixels, 20x optical Zoom (10x digital zoom) , FOV: 54.7o, Dual Color Tally LED design, RS- 232/RS-422/RS-485 Sony VISCA & DVIP control (c/w IR Remote control & Ceiling mount bracket) )			
12	Wallmount Bracket from Camera OEM	Nos.	3	Sony/Datavideo/ Panasonic
13	7" Captive Touch Screen Control with POE (802.3af) 800 x 480, RJ-45 control via RS-232, DC 12V, Power consumption 10 Watts, Operating Temp 0 to 40,	No.	1	Sony/Datavideo/ Panasonic
14	5 Channel NDI Streaming switcher 5-CH (1x 3G/HD/SD-SDI, 4x HDMI 1.4 (input 1 seletable s SDI/HDMI), 1x USB 3.0) Streaming Switcher, Audio delay calibration (each channel up to 3000ms), bulit-in 1x HDMI Multi-view monitoring output, Support PiP on PGM, Logo insertion, MP4 Recording file format (FAT, NTFS, exFAT), 1 TB SSD Streaming Protocol: DHCP Client, TS over UDP (unicast & multicast), RTSP over HTTP/TCP/UDP, RTMP (Publish)/RTMPS, HLS, SRT Caller & Listener, Web RTC (encode/decode), NDI/Hx. 2x XLR Balanced audio, 1 pair x RCA Unbalanced Audio, SD/HDMI embedded audio, IP Audio (RTSP AAC-ADTS, PCM) (External & embedded audio mixable.	No.	1	Sony/Datavideo/ Panasonic
15	Distribution Amplifier: 1 In 4 Out 4K/3G/HD/SD HDMI Distribution Amplifier, Video Bandwidth Single- link 600MHz (18Gbps), Audio Format:DTS-HD Master Audio, Dolby TrueHD, Dolby Digital, DTS, DVD-Audio, LPCM, SACD, MPCM, Power: 12v / 6w Support video input format: Auto-scan of SD/HD/3G/UHD/4K DCI (4096x2160p). Support PC input resolution: Auto-scan of 640x480 up to 1920x1080@60Hz	No	1	Sony/Datavideo/ Panasonic
16	HDMI to USB 3.0 Capture Device : HDMI to USB 3.0 Capture Device (for VC application) Plug-n-Play HDMI-USB Capturing device supports up to 1080p60. Compatible Software: -> Streaming: OBS, Vmix, WireCast (up to 1080p) -> Social Media: YouTube, Facebook (up to 1080p) -> Video Conferencing (VC): ZOOM, Skype, GoogleMeet, Microsoft Teams (up to 720p) ** for Android phone: compatible with OS8 & OS9 only thru a USB-C OTG Adaptor **	No	1	Sony/Datavideo/ Panasonic
17	8 port network switch: Eight Fast Ethernet LAN ports for high-speed wired connections Compliant with IEEE 802.3az Energy-Efficient Ethernet (EEE) D-Link Green Technology features power-saving by link status and by cable length Auto-sensing ports automatically detect network connections and adjust accordingly	No	1	DLink/Equivalen t
18	75" Professional Display: 4K, 350 Nits, 4000:1 contrast, Active display area: 1650.24 (H) x 928.26 (V), Pixel Pitch:0.42975 x 0.42975, Color Gamut: 92% (DCI-P3, CIE 1976), 16/7 hours operation, HDMI 2.0 3nos, USB 2.0 X 2nos, output stereo mini jack, RS232 IN/OUT, RJ45, 2 Channel 10watts speakers, Vesa mount 400x400, Internal player: OS Tizen 6.5, Processor Cortex A72 1.7GHz, Wifi Quad-Core CPU, Storage 8GB, S/W Workspace (Microsoft365/VMWare/RDP) / Custom Home / Auto Source Switching & Recovery / Dicom Simulation Mode / Director Mode / SmartView+(PC) [end of march~] Upgradable Web-Engine / Tizen Enterprise Platform / Smart Calibration / SmartView+(mobile) / Video Conference Solution, EMC Class B, IP5x	No	19	Samsung/Sony/P anasonic



19	65" Professional Display: 4K, 350 Nits, 4000:1 contrast, Active display area: 1428.48 (H) x 803.52 (V), Pixel Pitch:0.372 x 0.372, Color Gamut: 92% (DCI-P3, CIE 1976), 16/7 hours operation, HDMI 2.0 3nos, USB 2.0 X 2nos, output stereo mini jack, RS232 IN/OUT, RJ45, 2 Channel 10watts speakers, Vesa mount 400x400, Internal player: OS Tizen 6.5, Processor Cortex A72 1.7GHz, Wifi Quad-Core CPU, Storage 8GB, S/W Workspace (Microsoft365/VMWare/RDP) / Custom Home / Auto Source Switching & Recovery / Dicom Simulation Mode / Director Mode / Smart View + (PC) [end of march~] Upgradable Web-Engine / Tizen Enterprise Platform / Smart Calibration / SmartView+(mobile) / Video Conference Solution, EMC Class B, IP5x	No	5	Samsung/Sony/Panasonic
20	55" Professional Display: 4K, 350 Nits, 4000:1 contrast, Active display area: 1209.6(H) x 680.4(V), Pixel Pitch:0.315 x 0.315, Color Gamut: 92% (DCI-P3, CIE 1976), 16/7 hours operation, HDMI 2.0 3nos, USB 2.0 X 2nos, output stereo mini jack, RS232 IN/OUT, RJ45, 2 Channel 10watts speakers, Vesa mount 400x400, Internal player: OS Tizen 6.5, Processor Cortex A72 1.7GHz, Wifi Quad-Core CPU, Storage 8GB, S/W Workspace (Microsoft365/VMWare/RDP) / Custom Home / Auto Source Switching & Recovery / Dicom Simulation Mode / Director Mode / Smart View+(PC) [end of march~] Upgradable Web-Engine / Tizen Enterprise Platform / Smart Calibration / Smart View+(mobile) / Video Conference Solution, EMC Class B, IP5x	No	3	Samsung/Sony/Panasonic
21	86" Touch Display, 4K, 390 Nits, 1200:1 Contrast, response time 8ms, 16/7 operation, built-inspeaker 12w x 2, inputs of RGB, HDMI 3, Stereo mini1, USB 2.0 1NO, 3.0 4nos, HDMI Out, stereomini out, touch out, Eco sensor, RS232 IN/OUT, RJ45 IN/OUT, BT/WIFI, Touch Type IR, 20 Touch points, Passive Pen, Object recognition range 5mm/10mm/15mm, Touch response less than 10ms, drawing speed less than 45ms, Haze 25%, Thickness 3.2T, Hardness Tempered Glass, OPS Slot, Android 13, 8GB ROM, 64GB Storage, A55x4 Processor, Apps of Noteapp/Screenshare/Finder/Browser/ WebRTC etc to be available, wallmountable or on floor stand..			Samsung/Sony/Panasonic
22	75" Touch Display, 4k, 390 Nits, 1200:1 Contrast, response time 8ms, 16/7 operation, built-inspeaker 12w x 2, inputs of RGB, HDMI 3, Stereo mini1, USB 2.0 1NO, 3.0 4nos, HDMI Out, stereomini out, touch out, Eco sensor, RS232 IN/OUT, RJ45 IN/OUT, BT/WIFI, Touch Type IR, 20 Touch points, Passive Pen, Object recognition range 5mm/10mm/15mm, Touch response less than 10ms, drawing speed less than 45ms, Haze 25%, Thickness 3.2T, Hardness Tempered Glass, OPS Slot, Android 11, 4GB ROM, 32GB Storage, A55x4 Processor, Apps of Noteapp/Screenshare/Finder/Browser/ WebRTC etc to be available, wallmountable or on floor stand..			Samsung/Sony/Panasonic

23	43" Signage Displays, 4k, 500nits, 4000:1 Contrast, DP1.2 1, HDMI 2.0 3, USB 2.0 2, RS232 IN/OUT, RJ45, WIFI/BT, 10x2 speakers, UHD Signage with built-in signage software, OS Tizen 7.0, Processor CA73 1.6GHz Quad-Core, Storage 16GB, 2ND B2B Design, Center IR, Temperature Sensor, Ambient Sensor, Signage New Home, Workspace (Microsoft371/VMWare/RDP) Custom Home Auto Source Switching & Recovery Dicom Simulation Mode Director Mode SmartView+ Upgradable Web-Engine Tizen Enterprise Platform Video Conference Solution Smart Calibration, EMC ClassB, Environ Cert Energy Star 8.0 EPEAT, IP5x rating, Security 02.1 x (WPA2 Enterprise) : EAP-TLS, EAP-TTLS, EAP-PEAP			Samsung/Sony/Panasonic
24	22" touch Display: Full HD, 21.5", Active Area:476 x 268 mm (18.7 x 10.5 in), Contrast 1000:1, Pens:Battery-free Pro Pen 2 with 2 customizable side switches and 8,192 pressure levels in both pen tip and eraser (patented electromagnetic resonance technology), Response rate 22ms, Connectivity HDMI, USB2.0, Adjustable stand, pen holder.	No.	3	Samsung/Wacom/Sony
25	HDMI 1:8 Splitter, 1:8, 4K UHD, Supports resolution upto 4K@60Hz (4:2:0) , Sampling rate upto 192Khz, high definition digital audio formats LPCM 7.1, CEC enabled.	Nos.	1	ATEN/NT/Kramer
26	HDMI 15 Mtrs. Cable	Nos.	2	ATEN/NT/Kramer
27	HDMI Extenders with CAT 6 Cable, 100mts, 1080p @ 60Hz, HDMI COMPLIANCE 1.3 V , HDCP COMPLIANCE 1.4 V, Transfer Rate 10.2 GBPS,	Nos.	5	ATEN/NT/Kramer
28	Floor stand for displays	Nos.	5	NT/Equivalent
29	Installation Charges, with conduits	Job	1	As reqd

Yours  
faithfully

Signature and seal of the  
firm/vendor

**ANNEXURE V**

**LETTER OF AUTHORIZATION FOR ATTENDING THE BID OPENING**

Sub: Authorization \_\_\_\_\_ for attending the technical bid opening on  
.....  
.....and financial bid on \_\_\_\_\_ for procurement of the Video Conferencing  
Equipment and other items for the conference hall.

The under mentioned person is hereby authorized to attend the bid  
opening for the tender mentioned above on behalf of M/s ..... (name of the  
bidder)

Name \_\_\_\_\_ specimen signature

Alternative representative

Name \_\_\_\_\_ specimen signature

Signature of the  
bidder/ authorized signatory of the  
firm with seal