



Indian Institute of Technology Kanpur Department of Chemistry

Tender Enquiry

Sealed quotations are invited from the reputed Manufacturer/distributor/dealer/Service Provider by undersigned, for **“Providing Video Conferencing Facility through any available Video Conferencing application like Zoom, MSteam, Skype etc in a 22 Pax Board room of Size 32’x25’ with Installation, Commissioning , Programming and with 3 yrs on site warranty support at IIT Kanpur”**

Enquiry No. : IITK/CHM/HOD/20-21/24 Dated 05.02.2021
Description of item : **“Providing Video Conferencing Facility through any available Video Conferencing application like Zoom, MSteam, Skype etc in a 22 Pax Board room of Size 32’x25’ with Installation, Commissioning , Programming and with 3 yrs on site warranty support at IIT Kanpur”**
Bid publishing date : 05/02/2021
Bid submission closing date, Time : 26/02/2021, 5 pm

All interested eligible bidders are requested to send their bids in sealed envelopes by Courier to the following address on or before the closing date and time as mentioned above:

**Prof. Amalendu Chandra
Head, Department of Chemistry
Department of Chemistry
Indian Institute of Technology Kanpur
Kanpur, 208016 India**

Bid should be submitted in an envelope containing two other sealed envelopes. Sealed envelope 1 should contain a matrix showing the compliance to eligibility criteria and technical requirements. Supporting documents should be part of this envelope. Sealed envelope 2 should contain the Financial Bid. Envelopes 1 and 2 should be clearly labelled as “Technical Bid” and “Financial Bid”. Prices of items should not be part of “Technical Bid”. Envelope with the Financial Bid will be opened only for the bidders who fully satisfy the eligibility criteria, and fully satisfy the technical requirements.

Details of the Required Items (Technical Requirements)

S.No	Specifications	Qty In No.
1.	Projector : Make : EPSON Model EB-2155W <ol style="list-style-type: none"> 1. 5000 Lumens WXGA projector 2. Projector should be 3 LCD technology 3. Should have dual HDMI inputs, Dual D-Sub (RGB) Inputs, and RS-232 control 4. Minimum 14000:1 contrast ratio 5. Start-up period should not be more than 8 Sec 6. Auto Keystone, Quick Corner correction 	1
2.	Ceiling Mount kit Custom <ol style="list-style-type: none"> 1. Customized Ceiling Mount kit 2. Size of 3'x3' 	1
3.	Projection Screen : Make: Liberty Model APLUS <ol style="list-style-type: none"> 1. 110" Diagonal Motorized Projection screen 2. 16:9 aspect ratio 	1
4.	Boundary Mic Make : Shure Model MX393 <ol style="list-style-type: none"> 1. Cardioid Table Top Boundary Microphone with Switch 2. Dynamic Range : = 94.0 dB 3. Max SPL 117.0 dB 4. Signal to Noise Ratio 71.0 dB 	10
5.	Wireless Handheld Mic- Make: Shure Model SVX24IN/PG58 <ol style="list-style-type: none"> 1. Single Channel Wireless handheld Microphone Receiver with Transmitter 	1
6.	Wireless Lapel Mic Make: Shure Model SVX14IN/CVL Single Channel Wireless Lapel Microphone Receiver with Transmitter	1
7.	Digital Audio Signal Processor Make : QSC Model - Core110f <ol style="list-style-type: none"> 1. 16 × 16 Channel DSP 2. 24 configurable analog audio I/O 3. 8 mic/line level analog audio inputs 4. 8 line level analog audio outputs 5. Up to 16 assignable and routable AEC processor instances 	1

	<p>6. Up to 16x16 channels of digital audio in and out via software definable USB instances advertised to the host operating system</p> <p>7. Should support up to 4 VoIP Softphone instances in addition to the onboard POTS telephone interface</p> <p>8. Should have 16 General purpose inputs and General purpose outputs.</p> <p>Should be CE marked, UL listed, and RoHS compliant</p>	
8.	<p>Amplifier Make : QSC Model SPA2-60</p> <p>1. Amplifier should be 60 watts per channel into 4 and 8 ohms</p> <p>2. up to 250 watts into 70V or 100V</p> <p>3. Should be rack mountable, and should not take more than half rack width</p>	1
9.	<p>Wall Mount Speaker Make : QSC Model AC-S4T</p> <p>1. Wall Mount Speaker with 4.5-inch 2-way</p> <p>2. Effective freq range should be 70 Hz–20 kHz</p> <p>3. Sensitivity 85 dB SPL</p> <p>4. Maximum peak SPL 103dB</p> <p>5. Transformer taps 16W, 8W, 4W, 2W and 8 Ohm bypass</p> <p>6. Enclosure should be UV treated, high impact ABS polymer</p>	6
10.	<p>Camera System Make : Konftel Model -Cam 50 with its Ceiling Mount Shelf</p> <p>1. 12x optical zoom USB PTZ Camera</p> <p>2. HD 1080p 60fps Resolution Camera</p> <p>3. Rotation 170° horizontally and 60° vertically</p> <p>4. Field of view should be 72.5°</p>	1
11.	<p>Ceiling Mount Shelf for Camera System Make : Konftel Model -Cam 50</p>	1
12.	<p>4 Port USB Extender Make:Icron Model -Raven-3104</p> <p>1. 4-port USB 3.1 extender</p> <p>2. Direct connect up to 100m (328 ft) over CAT 6a/7 cable</p> <p>3. Speeds upto</p> <ul style="list-style-type: none"> • USB 3.1: up to 5Gbps • USB 2.0: up to 480Mbps • USB 1.1: up to 12Mbps <p>4. EMC: FCC (Class B), CE (Class B) compliance</p> <p>5. Environmental: RoHS2/3, REACH, Conflict Minerals compliance</p>	1
13.	<p>Scaling Auto Switcher Make Kramer Model -DIP 31 qty 1</p> <p>1. Switcher with Dual HDMI, One VGA, 1 Unbalanced Stereo Audio input</p> <p>2. Output ports with HDMI and 1 Unbalanced Stereo Audio</p>	1

	<p>3. 4K@60Hz (4:2:0) 24bpp resolution and 10.2Gbps data rate</p> <p>4. 12V DC, 2A Power consumption at 600mA</p> <p>5. 3 pint RS-232 control port</p>	
14.	Customized Faceplate with HDMI, VGA-Audio Connectivity	1
15.	AV rack Make Valrack 12U Equipment Rack	1
16.	CABLES	
	15.1 Custom HDMI cable 15 mtrs	1no
	15.2 Custom HDMI Patch cable 1.8 mtrs	1no
	15.3 Custom VGA with Audio Patch cable 1.8 mtrs	1no
	15.4 Custom Speaker cable	40mtrs
	15.5 Custom Audio Mic cable	200mtrs
	15.6 Custom Cat cable	20mtrs
17.	INSTALLATION AND COMMISSIONING; See the Room plan in Appendix A	
18.	<p>PROGRAMMING:</p> <p>a) The installation should be compatible with Zoom, MSTeam, Skype video conferencing platforms.</p> <p>b) Remote audio and the local audio (which are captured by the microphones) have to be mixed and audible through the speakers installed within the conference room.</p> <p>c) The local audio captured by the microphones must be available to the remote participants through Zoom/ MSTeam/ Skype video conferencing platforms.</p> <p>d) Conference room will be equipped with a Windows 10 laptop. No PCs will be available in the Conference Room.</p> <p>e) High audio quality and easiness in operation is expected.</p>	
19.	3 YRS ON SITE WARRANTY	

Eligibility Criteria:

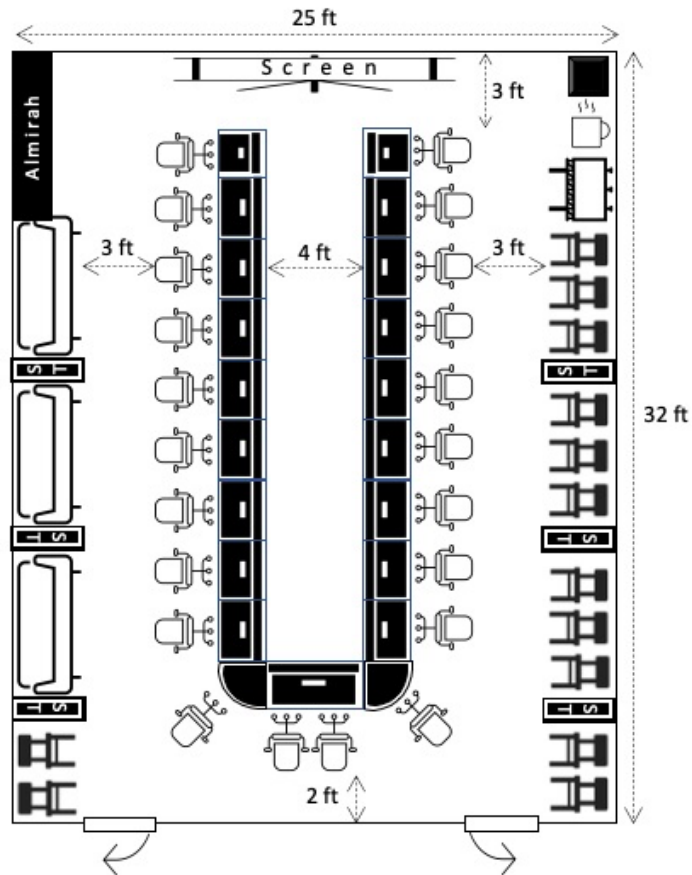
1. Bidder should sign and seal properly every paper of tender.
2. Firm must be registered and should have authorization in case of Distributor/Dealer/Service Provider etc.
3. Firm must have valid GSTN Number.
4. Firm should have completed as least one similar work/Service/job in reputed organizations. Preference will be given to those who has successfully completed work/service in government organizations. Credentials must be enclosed with bid.
5. Firm should have sound financial position and yearly turn over should not be below 35 lakhs during last two years (balance sheet of last two years must be submitted).

Terms & Conditions of the quotations are as under:

1. The currency of all quoted rates shall be Indian Rupees. All payment shall be made in Indian Rupees.
2. Firms will mention clearly the chargeable & non chargeable items/services.
3. Other charges, duty, taxes should be clearly mentioned.
4. Current rate of tax as and other statutory levies must be mentioned.
5. The rates offered should be exclusive or inclusive taxes. The rates applicable should clearly be specified.
6. Quotation should have validity of at least 90 days from the date of opening.
7. The right to reject all or any of the quotations and to split up the requirements or relax any or all of the above conditions without assigning any reason is reserved.
8. The bid submitted shall become invalid if: a) The bidder is found ineligible
b) The bidder does not provide all the documents as stipulated in the bid document.
9. Any dispute is subject to Kanpur jurisdiction.

**Sd/-
Head, Department of Chemistry
IIT Kanpur-208016**

Floor Plan and Seating Plan of the Conference Room



Height from the floor to the false-ceiling is 4 m.