



Chaudhary Ranbir Singh University, Jind
(Established by the State Legislature Act 28 of 2014)



Tender Ref. No.....

Date:

TENDER NOTICE

E-tender on behalf of Registrar, Chaudhary Ranbir Singh University, Jind is invited subscribed as “TENDER” for “ **Video Conferencing System and its accessories items** “ at Chaudhary Ranbir Singh University, Jind on the basis of quality and technical expertise from the Reputed Firms / Service Providers latest by 26.08.2019 up to 3.00 P.M. as per details given on website along-with security amount/EMD of Rs. 50,000/- (Rupees fifty thousand only) through offline mode (DD/FD/BG) and a separate fee of Rs. 1,000/- as Tender Docs Fee will also be deposited through offline mode i.e. DD in favor of Registrar, C.R.S. University, Jind. The E-tender technical bids and financial bids will be opened on 26.08.2019 at 03.10 P.M. For more details may visit on website www.crsu.ac.in / <https://etenders.hry.nic.in>.

Last date of receipt of tender bids: 26.08.2019 3:00 PM

Date of opening of Technical Bids: 26.08.2019 at 3:10 PM

Date of opening of Financial Bids: 26.08.2019 at 3:10 PM

Note: The Tender will be received only through e-tendering i.e. online mode only.

Registrar

C.R.S. University, Jind



Chaudhary Ranbir Singh University, Jind
(Established by the State Legislature Act 28 of 2014)



STANDARD BIDDING DOCUMENTS FOR “**Video Conferencing System and its accessories items**” at Chaudhary Ranbir Singh University, Jind on behalf of Registrar, C.R.S. UNIVERSITY, JIND.

Name of work: “**Video Conferencing System and its accessories items**” at Chaudhary Ranbir Singh University, Jind.

PRESS NOTICE

Chaudhary Ranbir Singh University, Jind (Haryana)-126102

Notice Inviting E-Tender

Name of Work	Video Conferencing System and its accessories items at Chaudhary Ranbir Singh University, Jind.
Tender Docs Fee	1000/-
Tender Estimated Amount	15,000,00/- (Fifteen Lakh rupees only)
EMD Amount	50,000/- (Fifty thousand rupees only)
Start date of Tender submission	05.08.2019 (5:00 PM)
Last date of Tender and EMD Submission respectively	26.08.2019 (3:00 PM)
Tender opening date – Technical Bids and FinancialBids respectively	26.08.2019 (3:10 PM)

- i) The tenders will be received only through E-tendering for further details visit website <https://etenders.hry.nic.in> and www.crsu.ac.in.
- ii) Cost of Bid documents / Processing Fee (to be paid through offline) Rs. 1000/- (non refundable) in favor of “Registrar, C.R.S. University”, payable at Jind.
- iii) The security amount of the tender (to be paid through offline i.e.FD/DD/BG in favor of Registrar, CRS University, Jind) is Rs. 50,000/- only.
- iv) The university reserve the right to increase or decrease the items without any change of terms and conditions on proportionate to increase and decrease in rates.

Registrar
C.R.S. University, Jind

DETAIL NOTICE INVITING TENDER

Registrar, Chaudhary Ranbir Singh University, Jind invites the bids from eligible bidders through online bids. On behalf of Registrar, Chaudhary Ranbir Singh University, Jind the e-tender is invited for “**Video Conferencing System and its accessories items**” at Chaudhary Ranbir Singh University, Jind through E-tendering with below mentioned work are hereby invited from eligible dealer/ distributor/ firms under appropriate class/ category. The tender form “along with conditions of contract” to be fulfilled, can be obtained from the website <https://etenders.hry.nic.in>.

Sr. No	Description of work / Items	EMD to be deposited by Bidder	Tender Document Fee	Start Date & Expiry Date of Bid Submission	Expiry Date & Time of EMD Submission	Tender Opening Date – Technical bid and Financial bid respectively
1.	Video Conferencing System and its accessories items and 3 Years onsite Warranty	Rs. 50,000/- (To be paid Offline through FD/DD/BG in favor of Registrar, CRS University, Jind)	Rs. 1000/- . (To be paid offline through DD in favor of Registrar, CRS University, Jind)	05.08.2019 (5:00 PM) to 26.08.2019 (3:00 PM)	26.08.2019 03:00 PM	26.08.2019 (3:10 PM)

Under this process, the Pre-qualification/ Technical online bid Application as well as online Price Bid shall be invited at single stage under two covers i.e. PQQ/Technical & Commercial Envelope. Eligibility and qualification of the Applicant will be first examined based on the details submitted online under first cover (PQQ or Technical) with respect to eligibility and qualification criteria prescribed in this Tender document. The Price Bid under the second cover shall be opened for only those Applicants whose PQQ/ Technical Applications are responsive to eligibility and qualifications requirements as per Tender document.

1. **The payment for Tender Document Fee shall be made by eligible bidders offline directly through DD in favor of Registrar, Chaudhary Ranbir Singh University, Jind and the payment for EMD can also be made offline directly through DD/FD/BG in favor of Registrar, CRS University, Jind and also submitted in the office of Registrar, Chaudhary Ranbir Singh University, Jind in a sealed envelope with the same title of E-Tender Document.**

2. Intending bidders will mandatorily be required to online sign-up (create user account) on the website <https://etenders.hry.nic.in> to be eligible to participate in the e-Tender. **NSIC/MSME Registered vendors are exempted from submission of EMD, valid NSIC Certificate to be attached along with the offer.**

The Bidders can submit their tender documents (Online) as per the dates mentioned in the key dates:-

Key Dates

Sr. No.	Department Stage	Bidder's Stage	Start date and time	Expiry date and time
1		Tender Document Download and Bid Preparation/Submission	<u>05.08.2019</u> 05:00 PM	<u>26.08.2019</u> Upto 03:00 PM
2	Technical Bid Opening			<u>26.08-2019</u> 03:10 PM
3	Financial Bid Opening			<u>26.08-2019</u> 03:10 PM

Instructions to bidder on Electronic Tendering System

These conditions will over-rule the conditions stated in the tender documents, wherever relevant and applicable.

1. Registration of bidders on e-Procurement Portal:-

All the bidders intending to participate in the tender's process online are required to get registered on the centralized e - Procurement Portal i.e. <https://etenders.hry.nic.in>. Please visit the website for more details.

2. Obtaining a Digital Certificate:

2.1 The Bids submitted online should be encrypted and signed electronically with a Digital Certificate to establish the identity of the bidder bidding online. These Digital Certificates are issued by an Approved Certifying Authority, by the Controller of Certifying Authorities, Government of India.

2.2 A Digital Certificate is issued upon receipt of mandatory identity (i.e. Applicant's PAN Card) and Address proofs and verification form duly attested by the Bank Manager / Post Master / Gazetted Officer. Only upon the receipt of the required documents, a digital certificate can be issued. For more details please visit the website – <https://etenders.hry.nic.in>.

2.3 The bidders may obtain Class-II or III digital signature certificate from any Certifying Authority or Sub-certifying Authority authorized by the Controller of Certifying Authorities or may obtain information and application format and documents required for the issue of digital certificate from.

2.4 The bidder must ensure that he/she comply by the online available important guidelines at the portal <https://etenders.hry.nic.in> for Digital Signature Certificate (DSC) including the e-Token carrying DSCs.

2.5 Bid for a particular tender must be submitted online using the digital certificate (Encryption & Signing), which is used to encrypt and sign the data during the stage of bid preparation. In case, during the process of a particular tender, the user loses his digital certificate (due to virus attack, hardware problem, operating system or any other problem) he will not be able to submit the bid online. Hence, the users are advised **to keep a backup of the certificate** and also keep the copies at safe place under proper security (for its use in case of emergencies).

2.6 In case of online tendering, if the digital certificate issued to the authorized user of a firm is used for signing and submitting a bid, it will be considered equivalent to a no-objection certificate /power of attorney / lawful authorization to that User. The firm has to authorize a specific individual through an authorization certificate signed by all partners to use the digital certificate as per Indian Information Technology Act 2000. Unless the certificates are revoked, it will be assumed to represent adequate authority of the user to bid on behalf of the firm in the department tenders as per Information Technology Act 2000. The digital signature of this authorized user will be binding on the firm.

2.7 In case of any change in the authorization, it shall be the responsibility of management / partners of the firm to inform the certifying authority about the change and to obtain the digital

signatures of the new person / user on behalf of the firm / company. The procedure for application of a digital certificate however will remain the same for the new user.

2.8 The same procedure holds true for the authorized users in a private/Public limited company. In this case, the authorization certificate will have to be signed by the directors of the company.

3 Online Viewing of Detailed Notice Inviting Tenders:

The bidders can view the detailed N.I.T and the time schedule (Key Dates) for all the tenders floated through the single portal eProcurement system on the Home Page at <https://etenders.hry.nic.in>.

4 Download of Tender Documents:

The tender documents can be downloaded free of cost from the e-Procurement portal <https://etenders.hry.nic.in>

5 Key Dates:

The bidders are strictly advised to follow dates and times as indicated in the online Notice Inviting Tenders. The date and time shall be binding on all bidders. All online activities are time tracked and the system enforces time locks that ensure that no activity or transaction can take place outside the start and end dates and the time of the stage as defined in the online Notice Inviting Tenders.

7) PREPARATION & SUBMISSION of Online APPLICATIONS/BIDS:

Detailed Tender documents may be downloaded from e-procurement website (<https://etenders.hry.nic.in>) and tender mandatorily be submitted online.

Scan copy of Documents to be submitted/uploaded for Prequalification or Technical bid under online PQQ/ Technical Envelope: The required documents (refer to DNIT) shall be prepared and scanned in different file formats (in PDF /JPEG/MS WORD format such that file size is not exceed more than 10 MB) and uploaded during the on-line submission of PQQ or Technical Envelope.

FINANCIAL or Price Bid PROPOSAL shall be submitted mandatorily online under Commercial Envelope and original not to be submitted manually)

NOTE:- Bidders participating in online tenders shall check the validity of his/her Digital Signature Certificate before participating in the online Tenders at the portal <https://etenders.hry.nic.in>. For help manual please refer to the 'Home Page' of the e-Procurement website at <https://etenders.hry.nic.in>, and click on the available link 'How to...?' to download the file.

**TENDER NOTICE INVITING QUOTATIONS FOR HYBRID TELEPHONE EXCHANGE
AND ITS ACCESSORIES ITEMS AT CHAUDHARY RANBIR SINGH UNIVERSITY,
JIND (HARYANA)**

1-Technical Bid Terms & Conditions

- 1.1 Bidder firm / company should be minimum 3 years old registered in field of Electronics & IT(Registration Certificate Copy Required).
- 1.2 Bidder firm PAN & GST Registration Copies.
- 1.3 Bidder Firm must have ISO 9001 certified company copy of valid Certificate must be attached with the offer(at least from last one year).
- 1.4 Bidder Firm should have a minimum average turnover of Rs.50Lakhs in last three years(Average). Copies of Balance Sheet, PL Statement & ITR of FY 2017-18, FY 2016-17 & FY 2015-16 required.
- 1.5 Valid NSIC Certificate of firm (In case exemption of EMD & Security Deposit / (BG required)by firm as per Ministry of Small & Medium Enterprises Government of India rules & regulation.
- 1.6 Bid Specific OEM's Authorization Certificate on Company Letter Head.
- 1.7 Non Black Listing Undertaking on a Rs. 10 Non Judicial Stamp Paper.
- 1.8 Bidder have to provide list of 5 Customers to whom they served for product/services for Electronics and IT. Out of 5, two should from Government departments /Institutes.
- 1.9 In case of non-compliance with any of above mentioned terms & conditions, bid shall be rejected immediately.

2-Earnest Money Deposit

Bidder has to submit EMD amount of Rs. 50,000/- in favor of "Registrar CRS University, Jind" through offline mode via DD/FD/BG. EMD of successful bidder shall be deposited as security deposit and shall be released only after successful completion of project. EMD of unsuccessful bidders shall be refunded back within 15 working days. If the successful bidder fails to start maintenance activity for more than 6 weeks, the CRSU Jind has right to cancel the contract and forfeit the Security Amount / EMD amount with proper reason.

NSIC/MSME Registered vendors are exempted from submission of EMD, valid NSIC Certificate to be attached along with the offer.

3-Tender Fee:

Bidder has to submit e-tender document fee of Rs. 1000/- in favor of "Registrar CRS University, Jind" through offline mode which is non-refundable.

4-Financial Bid

The technical and financial bids will be submitted by single methods i.e. online mode only.

Technical bid: '**Annexure – A**' - The bidders shall upload the required eligibility & technical documents online in the Technical Bid.

Financial Bid shall be filled properly by the bidder as per **Annexure – B** and it shall be submitted into a under Commercial Bid. If any financial bid shall be found in technical bid envelop, Bid shall be rejected immediately. Prices mentioned in the Financial Bid shall be exclusive of GST, GST shall be paid extra on quoted price. Financial bid shall be opened to technically qualified bidder firm only.

5-Work Allocation

Work Order shall be given to Lowest Price Bidder (L-1) only. L-1 shall be decided on term basis but rates are to be quoted items wise only.

6-Scope of Work

6.1 Successful Bidder / Vendor will supply, install, commission and maintain the Hybrid Telephone Exchange and its accessories as per the BoQ mentioned in “**Annexure-A**”-

6.2 Cost of any faulty part (if changed) shall not be paid extra to vendor. Vendor will deploy minimum 01 (one only) resident engineer (RE) in CRSU premises in reasonable working hours (Excluding all holidays).

6.3 Cost of Software / Software License shall be given extra (other than Maintenance Monthly Price) to vendor for example: Antivirus, Original Windows OS, any other software license required in any equipment etc.

7-Validity & Termination of Contract

Validity of work order / contract for CMC shall be initially for 5 years which can further be extended for next 5 years on the basis of work satisfaction level. Vendor can surrender work only after giving 1 month notice period.

8-Payment Schedule

(i) 75% (Seventy Five Percent) of the order value shall be paid after the receipt of material in good & satisfactory condition at the CRSU, Jind premises after inspection by duly authorized officer of CRSU, Jind.

(i) Balance 25% (Twenty Five Percent) of the order value shall be paid after Satisfactory Installation & Commissioning and handing over of the equipment in faultless working condition including system integration for the period of 10 (Ten) consecutive days from the date of handing over.

(ii) The payment shall be made through electronic clearing i.e. RTGS/NEFT to the bank account of the Supplier/Contractor and for this purpose Supplier /Contractor are required to submit their complete bank account details duly signed by the concerned bank authority while submitting the Pre-Qualification Bid itself.

9-Timelines & Penalty for Works

Vendor has to supply, install the Hybrid Telephone Exchange within 90 days from the date of LO issued to successful bidder. –

Site Preparation

The Supplier/Contractor shall have to inform the CRSU about the preparation of site for installation of the equipment, immediately after the receipt of Letter of Award. The Supplier/Contractor shall have to provide the complete details regarding Space, Power, Cooling and all other infrastructural requirements needed for making of arrangements for installation of equipment prior to actual delivery at site of the equipment so as to complete the work in a smooth manner.

The successful bidder to whom the work has been awarded shall immediately after the issue of the Letter of Award visit the sites of the CRSU for advice / Technical Assistance where the equipment are to be installed and commissioned. However, it is clarified that the expense on account of site preparation is not in the scope of this work contract.

If the successful bidder fails in supply, satisfactory Installation & Commissioning of the equipment including system integration in stipulated time then liquidated damages / penalty will be charged as per Account Code of the Chaudhary Ranbir Singh University, Jind.

10-Warranty

The bidder must be quoted with 03 (Three) years comprehensive On-Site Warranty which shall be considered from the Date of Completion of project and 05 (Five Years) comprehensive On-Site Warranty charges may also be applicable after the warranty period i.e. 3 years and submit the CMC rates Year wise also.

11-Tender Preparation Expenses

The tenderer shall solely bear all cost associated with the preparation and submission of the bid. The CRSU shall in no case be responsible or liable for such cost, regardless of the conduct or outcome of the tender process. In no case, such cost shall be reimbursed by the CRSU.

12-Jurisdiction

The dispute, if any, shall be subject to the jurisdiction of Courts at Jind. Any other jurisdiction mentioned in the tender or invoices of the manufacturers/distributors/ dealers/suppliers etc. shall be invalid and shall have no legal sanctity.

13-University reserves the right at the time of award of Work Order to increase or decrease or evendelete the number of items without any change in terms and conditions.

14-The Sub Committee reserves the right for negotiation thereafter if considered necessary.

15-The performance security i.e. EMD amount shall be deposited/treated in the shape of Fixed Deposit Receipt or Bank Guarantee by the successful bidder i.e. who has been awarded supply order. The performance security shall remain valid for a period of 60 days beyond the date of completion of warranty period.

ANNEXURE “A” (Part of Annexure- A)

Bidders Technical Qualification Check List

Sr. No	Description	Bidders (Yes/No)	Remarks
1	Bidder firm / company should be minimum 3 years old registered in field of Electronics & IT (Registration Certificate Copy Required).		
2	Bidder firm PAN & GST Registration Copies		
3	Bidder Firm must have ISO 9001 certified company copy of valid Certificate must be attached with the offer (at least from last one year).		
4	Bidder Firm should have a minimum average turnover of Rs. 50 Lakhs in last three years (Average). Copies of Balance Sheet, PL Statement & ITR of FY 2017-18, FY 2016-17 & FY 2015-16 required		
5	Valid NSIC Certificate of firm (In case exemption of EMD & Security Deposit / (BG required) by firm as per Ministry of Small & Medium Enterprises Government of India rules & regulation.		
6	Bid Specific OEM’s Authorization Certificate on Company Letter Head.		
7	Non Black Listing Undertaking on a Rs. 10 Non Judicial Stamp Paper.		
8	Bidder have to provide list of 5 Customers to whom they served for product/services for Electronics and IT. Out of 5, two should from Government departments /Institutes.		
9	In case of non-compliance with any of above mentioned terms & conditions, bid shall be rejected immediately.		

ANNEXURE “A”

Bill of Quantity (BoQ) for Supply, installation, testing and commissioning of Video Conferencing System and its accessories items for the period 3 years

S. No.	Product Description	Qty	Make	Model	Non Compliance, (if any)
1	Supply Installation Testing & Commissioning of Hardware Premise based Enterprise MCU with 49 Party Video Conference with 100 Participants, Video Conference as per the tender Specifications	01 Set			
2	Supply Installation Testing & commissioning of Hardware based Video Points for Central Location	01 Set			
3	Supply, installation, testing and commissioning of 75” display for central location	01 Set			
4	Complete Project - CMC Charges- Per year after expiry of 3 years warranty period (for next 5 years)	05 Years			

Technical specification (Part of Annexure-A)

Specifications for Hardware Based Enterprise Multi Video Conferencing Solution

Technical Specifications of Item No. 1 of SOR (Schedule of Requirement) : for Hardware Premise based Enterprise Multi Parties Video Conference Solution

The proposed Specifications are for Enterprise Hardware Premise based Video conference for 49 Parties VC with 100 Participants on a Single Multi Conference Unit with Simultaneous 10 Video Conference Sessions.

The MCU should be hardware based and the Central MCU and Video Conference End Points should be of same make.

S. No.	Specifications	Compliance (Yes / No)	Deviations
1	The MCU should be Hardware and premise based only and can be installed in premises in a server rack		
2	The MCU should not be software based which can be downloaded or installed on standard Server or PC		
3	The MCU should be readily equipped with 49 Video Feeds with 1080P resolution with 100 Participants, expandable upto 120 Simultaneous Video feeds at 1080P resolution along with 300 Conference Participants from day one without adding any hardware cost and on the same MCU server		
4	The Hardware Multi Conference Unit should be Tailored for enterprise-sized networks and should be readily equipped for 10 Simultaneous Video Conference sessions at 1080P		
5	The MCU should be equipped with Personal conference rooms, meeting stats, and reports		
6	The MCU should have an Enterprise directory, support chat, Questions & Answers and recording		
7	The MCU should have a built-in minimum internal storage of 500 GB to do Audio & Video recordings		
8	The MCU should be readily equipped with Powerful Video Resolution of 1080P @ 30Fps with up to 49 video feeds and 100 participants within the same hardware from day one.		
9	The MCU should be readily equipped for a Real-time Video and Screen Sharing at 1080p30 resolution from day one.		
10	The MCU should be readily equipped for Facebook & YouTube Live integration from day one.		
11	The MCU should be readily equipped to provide Customized meeting reports for optimal productivity		
12	The MCU should be flexible enough for Integration with multiple devices		
13	The MCU hardware should be able to expand upto 120 Video feeds and 300 participants with 10000 registrants and		

	10 simultaneous sessions on the same hardware MCU without any extra hardware cost from day one.		
14	The MCU should be ready with Audio Codec Opus, G.722, G.711a/u, up to 48KHz wide-band audio mixing		
15	The MCU should be ready with H.264/VP8 1080p30 Codec		
16	The MCU should readily support PC/Mac, Android/iOS mobile devices, Video End points & Video Phones, SIP trunks / SIP PBX		
17	The MCU should be ready for Security Encryptions HTTPS and WSS/DTLS-SRTP encryption for WebRTC, and TLS/SRTP encryption for SIP		
18	The MCU should support features: a. Meetings & Webinars b. Multiple Hosts / Panelists c. Audio / Video ON / OFF Controls d. Group / Private Chats e. Q&A f. Mute / Camera-Off / Exit		
19	The MCU should support for all sessions: a. Meeting Invitations b. Registrations c. Reminders d. Post Meeting Reports & Follow-Up		
20	Z		
21	The MCU should have NAT ICE/TURN/STUN/NAT		
22	The MCU should have an Enterprise Directory and internal built-in storage of 500GB		
23	The MCU should support SIP Trunks as well without any extra cost		
24	The MCU should support Network resilience Up to 30% packet loss		
25	The MCU should have Built-in Scheduler to remind attendees and automatically call / remind attendees at start time		
26	Multiple MCUs can be cascaded for a nested Conference		
27	Hardware a) Standard industrial 2U Chassis b) 1TB RAID 1 storage (500GB for users) c) 2x Gigabit ports d) 1x IPMI port e) 3x USB 2.0 ports f) 3x USB 3.0 ports g) 1x VGA; 1x RS-232		

Technical Specifications of Item No. 2 of SOR (Schedule of Requirement): Specifications for Hardware Based Video End Point

Sr.no	Description	Compliance Yes/NO	Deviation If Any
1	Require Video Conferencing system shall be complied with SIP and Android Base system technology. Shall be able to bridge calls between Android apps into SIP conferencing specially with SIP, Google hangout, and have compatibility support with Skype, Google Hangouts, Skype for Business, Web browser, Facebook, Twitter, YouTube, Google calendar, mobile phone data import/export via Bluetooth, etc.		
2	System shall have minimum 48 Participants 08 Video Feeds from day one and 9 part Video conferencing support from day one		
3	The Hardware based Video End Point for Main Head Office should be readily equipped with following Protocols & Standards: SIP RFC3261, BFCP, RTP/RTCP, HTTP/HTTPS, ARP, ICMP, DNS (A record, SRV, NAPTR), DHCP, PPPoE, SSH, TFTP, NTP, STUN, LLDP-MED, LDAP, TR-069, 802.1x, TLS, SRTP,TCP/IP/UDP, FEC, FECC, H.323, Q.931, H.224, H.281, H.225.0,.239, H.241, H.245, H.460.18 and H.460.19		
4	Shall have resolution support minimum upto true 1080 P with atleast 12X optical Zoom support, Lens support +/-23° tilt, +/- 90° pan, 70°(W)*- 6.3° (T) field of view for maximum coverage area.		
5	System camera shall have minimum 1/3" 2 Megapixel CMOS base 1920HX1080V@30fps support		
6	Shall have Network TCPIP support with Physical Gigabit RJ-45 and RFC Wi-Fi 802.11n Support Backward compatibility and USB, Storage port, external speaker port,.		
7	Shall have Microphone/Speaker, External MIC/Speaker, built-in MIC, cascade able external MIC/speaker		
8	Shall support for VIDEO Codec H.264 BP/MP/HP, video resolution up to 1080p, frame rate up to 30 fps, bitrate up to 4Mbps (SIF/CIF/QSIF/QCIF/SQSIF/SQCIF from 64 Kbps)		
9	Shall support Voice Codecs G.711μ/a, G.722 (wide-band), G.726-32, iLBC,Opus, G.722.1, G.722.1c, inband and out-of-band DTMF (In audio, RFC2833,		

	SIP INFO) and support for Audio Features AEC, ANS, AGC, PLC, CNG/VAD		
10	System shall have Wi-Fi, Bluetooth 4.0+EDR integrated in system support with Video Input of 1XVGA1XHDMI. Shall have physical output minimum 3 HDMI upto 1080P support with CEC		
11	Shall have content Video Resolution of upto 1080P, upto 60fps and Encoding 1920x1080 support.		
12	Shall support Temperature and Humidity operation upto 0 to 40 Degree Celsius and Storage shall be -10 degree C to 60 degree C and humidity shall be 10% to 90% Support.		
13	Product shall support Certification FCC:Part15, UL60950 EN61000-3-2, EN61000-3-3, EN60950-1, EN62479, RoHS, EN301893, EN62311		
14	Shall support Recording -Easily record all video conferences to document meetings at each end point locally and Document Sharing -Share a presentation with conference attendees or review a document		
15	Shall support Security User and administrator level passwords, MD5 andMD5-sess based authentication, 256-bit AES encrypted configuration file, TLS, 128/256-bit SRTP, HTTPS, 802.1x media access control		

Technical Specifications of Item No. 3 of SOR (Schedule of Requirement) - 75” display:

Sr.no	Description	Compliance Yes/NO	Deviation If Any
1	Display unit shall have size of 75 Inch with Aspect ratio of 16:9, Display Area 1649.664(H)x927.936(V)mm		
2	Resolution of the display unit shall be minimum 3840(Hx2160 (V) and Pixel pitch shall be 0.429X0.429 with Back light unit direct type LED.		
3	Display unit response time not more the 8ms with refreshing Frequency support of 60hz		
4	Display unit shall support display color 1:07B(10bit) with contrast ratio1200:1, viewing angel shall 178 degree (H/V) with brightness glass type 350cd/m2 and min shall be 300 cd/m2		
5	Display unit life time shall be minimum 50000 Hours support		

6	Shall support minimum hardware support built in Speaker with output power 2x16W and Minimum Physical connector support of HDMI in 2 nos, HDMI output port 1 nos, VGA support 1 nos, PC audio in 1 nos, Coaxial output 1 nos, Earphone output 1 nos,		
7	Shall support USB2.0 at least 4 nos in which minimum 2 ports in front and USB touch output will be 1, audio video in port 1 nos with 1 LAN port and 1 RS232 Port		
8	System shall support sensing type Infrared recognition with touch point support 10 point writing and 20 point Touch		
9	Display unit shall support interpolation resolution 32767(W)x32767(D)		
10	Display unit shall support Android 7.0 or Higher with dual core CPU with 2 Gigabit Ram		
11	Display unit shall support PC Module		
12	Display unit shall support operating temperature minimum 0 to 40 Degree C. operating Humidity 10% to 90%RH, Storage Temperature shall be -20 Degree C to 60 degree C,		
13	Shall supply with Power cord minimum length 3 Meters, USB cable 5 Meter, Writing PEN 2 nos, HDMI Cable 1 nos.		

Schedule of Requirement (Price-Bid):

S. No.	Product Description	Qty	Make/Model	Warranty	Rate	Amount (A)	GST Amount (B)
1	Supply Installation Testing & Commissioning of Hardware Premise based Enterprise MCU with 49 Party Video Conference with 100 Participants, Video Conference as per the tender Specifications	01 Set					
2	Supply Installation Testing & commissioning of Hardware based Video Points for Central Location	01 Set					
3	Supply, installation, testing and commissioning of 75" display for central location	01 Set					
4	Complete Project - CMC Charges- Per year after expiry of 3 years warranty period (for next 5 years)	05 Years					
Sub Total							

Project Cost -Sub Total A+ Sub Total B) = INR _____ (In Figure)
In words (Rupees _____)

****Note: In case of mismatch price quoted in words shall be taken as final.**

Bidder Firm Name:

Address:

Signature with Stamp:

Name:

Date:

Place: