



**Shreemati Nathibai Damodar Thackersey Women's University**

1, Nathibai Thackersey Road, Mumbai 400 020.

Tel: 26604706/ 22031879/22030948

**Invitation for Quotations for Purchase of Video Conferencing at the Lady Premlila Thackersey Committee Hall, Churchgate, Mumbai-400 020.**

**Ref No: SNDTWU-Web-Notification/2024-25/**

**Date: 29 October, 2024**

Sealed Quotations are invited for purchase of **Video Conferencing** to be installed at the Lady Premlila Thackersey Committee Hall, Churchgate, Mumbai-400 020. The suppliers are advised to study all technical and commercial aspects, instructions, terms and conditions carefully in the document. Failure to furnish all information required in the quotation may result in the rejection of the quotation. The University reserves the right to reject the quotation in whole without assigning any reason thereof.

<b>Name of Item</b>	<b>Quotation for Purchase of Video Conferencing at the Lady Premlila Thackersey Committee Hall, Churchgate, Mumbai-400 020.</b>
<b>Venue of Submission</b>	<b>SNDT Women's University, Churchgate, Mumbai-400 020.</b>
<b>To be Addressed to:</b>	<b>Registrar, SNDT Women's University, Mumbai</b>
<b>Contact Telephone</b>	<b>022 – 22031879</b>
<b>Deadline of submission</b>	<b>07 November 2024</b>

**Instructions:**

*\*Dates mentioned here, are scheduled dates for the University Activities. Any changes in dates of submission and processing shall be notified in 'Tenders/Quotations' section on the University website (sndt.ac.in) below the respective quotation.*

To view Quotation Notice, kindly visit following website of **SNDT Women's University, Mumbai**: <https://sndt.ac.in>

Quotations should clearly mention all Technical Specifications mentioned in this document.

The quotations are invited for the following product:

**Video Conferencing at the Lady Premlila Thackeray Committee Hall, Churchgate, Mumbai-400 020.**

The quotations are invited in two parts under Three Envelop System. Technical envelop shall be enclosed and sealed in envelop No.1. Schedule of Rates shall be filled in and enclosed in Envelop No.2. Both the sealed envelopes shall be kept in Envelop No.3 which shall be big enough to contain two envelopes. On each envelop name and address along with contact number of bidder shall be written. On the top of it envelop name of the bidder should be mentioned.

**Envelop No.1:**

**The envelope must contain:**

1. Covering letter with details of bidders, address, name of proprietor, telephone number, mobile number, email ID, name, signature and seal. In case of partnership firm- name and address of the partners and copy of Partnership Deed.
2. Type of business entity : manufacturer/authorized dealer, any others (to be specified)
3. Certified copy of GST registration.
4. PAN Card No.
5. List of main clients (minimum 3, maximum 10)
6. Work experience certificate (at least from one client)
7. Authorization Letter from OEM.
8. The details about technical specifications of product should submitted in the prescribed format as follow on the letterhead of the bidder:
9. Bidder should submit bid specification MAF from the OEM along with the tender.
10. ISO 9001 : 2015, ISO 1400 : 2015 and ISO 24001 : 2013 certification must be available for the OEM and same should be furnished along with the tender.
11. Camera and Speakerphone should be from the same OEM.



## Specifications for Large Conference Room at SNDT University, Churchgate.

S. NO	Parameters	Technical Specification	Compliance Yes/No
1	Speakerphone Feature	Support Wireless Bluetooth / USB Wired for PC.	
		Support Full duplex microphone array with echo cancellation.	
		Support Two omnidirectional microphones support 360° pickup	
		Support Advanced noise suppression	
		Support powerful wideband voice processing	
		Support Speaker volume: adjustable to 90db SPL at 0.5m	
		Support 3.5 mm line-in (aux) cable connects BYOD smartphones or PCs to use as speakerphones.	
		Support Line out.	
		Support touch control for volume down/up, mute, phone input, call and hang-up.	
		Support to bridge phone-In and USB connection into one call.	
Support Kensington slot.			
2	Bluetooth Specification	Support BT Wireless range: Up to 20m	
		Support Bluetooth version 5.0	
		Support Codec: SBC,mSBC,CVSD	
		Supported Bluetooth profiles: A2DP(v.2), Hands Free Profile(v1.6), Headset Profile(v1.2)	
		Support Stereo/ Hands Free two modes.	
		Support 8 sets of BT paired device recording, and supports 2 sets of simultaneous pairing at the same time.	
3	Compatible Applications:	Zoom, Microsoft® Teams, Skype for Business, Skype, Google Meet, Intel® Unite™, RingCentral, BlueJeans, V-Cube, LiveOn, CyberLink U Meeting®, TrueConf, Vidyo, Adobe® Connect™, Cisco WebEx®, Fuze, GoToMeeting™, Vidyo, Microsoft® Lync™, vMix, WebRTC, Wirecast, Xsplit	
4	Certified:	1. Zoom 2. Barco	
5	Warranty:	3 years warranty.	
6	OEM:	Bidder should submit bid specific MAF from the OEM along with the tender ISO 9001:2015, ISO 14001:2015 and ISO 27001:2013 certificates must be available for the OEM and same should be furnished along with the tender.	



S.No.	SPECIFICATION NAME
	<b>VIDEO CONFERENCING CAMERA</b>
	<b>Product Features</b>
1	Support Audio Tracking to automatically track human voice and focus on speaker.
2	Support Presentation tracking to track speaker with both preset area and participant tracking.
3	Support Dynamic auto framing, the secondary AI lens detects all participants and new participants will trigger PTZ lens to dynamically frame all participants.
4	Support Preset framing tracks both preset area and speaker.
5	Support Simultaneous 3-way output - USB, HDMI and IP connections.
6	Support Gesture control provides intuitive camera controls.
7	Support HDMI Picture in Picture (PIP) function.
8	Support Smart gallery function offers great visibility for individual participant in the meeting room.
9	Support Cable-less access to meeting, use only RJ45 cable transfers IP streaming to USB with OEM virtual streaming technology.
10	Support Audio tracking for Integration with 3rd party ceiling microphone.
	<b>PTZ optical zoom lens:</b>
1	Support 4K EXMOR sensor Dual lens that deliver crystal clear image in any lighting.
2	Support Wide field of view DFOV 90°; HFOV 82°; VFOV 52°
3	Support Frame rate: (16:9) 4K 30fps; 1920 x 1080, 1600 x 900, 1280 x 720, 960 x 540, 848 x 480, 800 x 448, 640 x 360, at 60, 30, 15fps; (4:3) 1280 x 960, 800 x 600, 640 x 480 at 60, 30, 15fps
4	Support SmartFrame for automatic FOV adjustment to fit all participants.
5	Support Total 36X Zoom(12X optical zoom + 3X digital zoom).
6	Support Auto Focus, the minimum working distance 1 meter.
7	Support mechanical Pan: ±170°. Tilt: +90° (up) -30° (down)
8	Support AE, white balance (auto, manual override via OEM EZ Live software).
9	Support 10 camera presets (through remote control); 128 via RS232.
10	Support Flip and image mirror.
11	Pan Tilt Movement - Motorized
	<b>Secondary fixed lens (AI lens):</b>
1	Support 4K EXMOR sensor that deliver crystal clear image in any lighting.
2	Support Frame rates and resolution set according to PTZ lens settings.
3	Support Wide field of view DFOV 95°; HFOV 78°; VFOV 50°.
	<b>Audio Sensor</b>
1	Support range: 10m, ±60° audio pick-up range
2	Support 3 pairs of sensor array, each composed of 4 sensors.
3	Support Sensitivity -35±1 dBV@1KHz, 94dB SPL.
	The built-in sensor is for the audio-tracking function, it cannot be used as an audio source for video-conferencing software.
	<b>Video Format</b>
1	Support video compression format of YUV, YUY2, MJPEG.
2	Support Network video compression format H.264.
3	Support Network protocol RTSP, RTMP.
	<b>Security and Mount</b>
1	Support Kensington slot.
2	1/4 tripod mounting Screw

3	Camera wall-Mount bracket included
4	Optional foldable TV Mount
5	Optional ceiling Mount
<b>General Features</b>	
1	Support IR remote control.
2	Support 3 rd party integration: VISCA, Pelco-P, Pelco-D via RS232 (128 preset points via VISCA command)
3	Support Remote site control : VISCA over IP, IP(RJ45)
4	Support USB 2.0, 3.1 Gen1
5	Support UVC (USB Video Class) 1.1, UVC 1.5.
6	Support standard UVC plug-and-play.
7	Support WebUI: Browser IP access via Chrome. (Not support IE).
8	Support basic camera settings adjustment via OEM app.
9	Support OSD setting: HDMI out to TV monitor.
<b>Compatible Applications</b>	
1	Zoom, Microsoft® Teams, Skype for Business, Skype, Google Hangouts, Intel® Unite™, RingCentral, BlueJeans, V-Cube, LiveOn, CyberLink U Meeting®, TrueConf, Adobe Connect, Cisco WebEx®, Fuze, GoToMeeting™, Microsoft® Lync™, V Idyo, vMix, WebRTC, Wirecast, XSplit
<b>Certification</b>	
1	Zoom Certified
<b>Warranty</b>	
1	Should provide standard 3 years Warranty
<b>OEM</b>	
1	Bidder should submit bid specific MAF from the OEM along with the tender
2	ISO 9001:2015, ISO 14001:2015 and ISO 27001:2013 certificates must be available for the OEM and same should be furnished along with the tender.

Expansion Speakerphone Tender Specification		
S. N O	Parameters	Technical Specification
1	Expansion Speakerphone	Expansion Speakerphone (10m cable included, daisy-chain upto three speakerphones)
		a. Microphone Frequency Response: 120Hz-16kHz
		b. Microphone Sensitivity: -34± 2 dBV @1KHz, 94dB SPL
		c. Microphone Distortion : < 1% from 150Hz
		d. Microphone support range: Diameter 6M
		e. Speaker Volume: Adjustable to 90dB SPL at 0.5m
		f. Speaker Distortion: 120Hz~200Hz <20%, 201Hz~500Hz<10%, 501Hz~10KHz <2%
		g. Speaker Sensitivity: 81±2dB SPL @1W/1m
		h. Speaker Frequency Response: 180Hz - 20KHz
2	OEM	Bidder should submit bid specific MAF from the OEM along with the tender

		Camera and the Expansion Speakerphone should be from the same OEM
		ISO 9001:2015, ISO 14001:2015 and ISO 27001:2013 certificates must be available for the OEM and same should be furnished along with the tender.
3	Warranty	Speakerphone: 3 years

**Envelop No.2:**

**The envelope must contain:**

The financial bid may be submitted in the prescribed format as above on the letterhead of the bidder.

<b>Items (Brand-name and Model Numbers)</b>	<b>Rate per unit (INR)</b>	<b>Taxes (INR)</b>	<b>Qty</b>	<b>Total Estimated Cost (INR)</b>
<b>1.</b>				
<b>2.</b>				

The rate must be inclusive of all charges. Taxes are to be mentioned clearly in the quotation. The final quantity may vary at the time of issue of purchase order.

Free delivery, installation is required at the Lady Premilla Thackeray Committee Hall, Churchgate, Mumbai-400 020.

The rate validity will be upto 45 days from the date of submission deadline.

All necessary documents, manuals to be handed over to the concerned department.

Packing and transport charges, transit insurance will be inclusive in the quoted rate.

University will issue Octroi Exemption certificate if required.



Registrar,  
SNDT Women's University,  
Mumbai