

Sr.No.2448/MPBOU/BPL 2019

Date: 24.05.2019  
27.05.19

Short Tender Notice

Notice for inviting Tender for supply and installation of PolyCom video conference equipment.

Madhya Pradesh Bhoj open University invites sealed Tender for commercial bid from reputed manufactures/distributers for supply of PolyCom video conferencing equipment.

**Details and specification of the video conferencing equipment to be supplied.**

Sr. No.	Description	Quantity	Price
1	<b>Video Conferencing Unit "Polycom Real Presence Group 500 with" (06 Party).</b> »Supports H.323 and SIP » Content sharing. » Screen sharing » PTZ Camera with 12 x Zoom » Remote Control » Upto 6 party video conference MCU. »Device comes with support for external mic/speaker »Native Integration with Microsoft and Skype for business	01	

Kindly quote your rates in above format with installation, training and commissioning with your one year support.  
Detailed specifications are given below.

Note - Kindly quote your rates within 07 days from issuing date.

  
Registrar

## **TECHNICAL SPECIFICATION FOR VIDEO CONFERENCING UNIT**

Polycom RealPresence Group 500 is required with following specifications -  
No Other system is accepted here

<b>The proposed system of Polycom Real Presence Group 500 must support PAL with a PTZ camera. The codec must be based on ITU standards The VC End Point should be a codec based hardware. No software based solution is accepted here. All components of the VC system like Codec, Camera and Microphone should be from the same OEM. OEM should be in leaders' quadrant in latest Gartner Magic Quadrant report for Group video Systems for the three available years (2014, 2015, 2016) or latest</b>			
<b>S.No.</b>	<b>Description</b>	<b>Specifications Parameter</b>	<b>Compliance</b>
1.	Package	HD 1080p60 camera, HD codec, Microphone Array, cables, and remote control	
2.	Video standards and Resolution	<ul style="list-style-type: none"> <li>• It should support H.323, SIP standards for communications.</li> <li>• It should support H.264. it should also support latest protocol like H.264 High Profile/H.265</li> <li>• It should support resolutions of upto 1080p60 either from day one or as a future upgrade by adding license</li> </ul>	
3.	Content Standards and Resolutions	<ul style="list-style-type: none"> <li>• It should support content sharing using standard based H.239 &amp; BFCP. It should also support audio from PC used for content sharing.</li> <li>• It should transmit both people and content both simultaneously to the far end location at 720p 30fps</li> </ul>	
4.	Audio Standards and Features	<ul style="list-style-type: none"> <li>• It should support G.711, G.728, G.729A, G.722, G.722.1, AAC-LD or better</li> <li>• It should support 20kHz or better bandwidth with crystal clear audio and stereo sound.</li> <li>• Automatic Gain Control and Automatic Noise Suppression</li> <li>• Keyboard noise reduction and instant adaptation echo cancellation</li> </ul>	
5.	Video and Audio Inputs	<ul style="list-style-type: none"> <li>• 1 x HDMI/HDCI input for connecting main HD camera</li> <li>• 1 x HDMI and 1 X VGA input for connecting PC/Laptop to share HD content</li> <li>• 1 x Microphone Input. The codec should support upto 4 mics without using external DSP.</li> <li>• 1 x 3.5 mm built in Stereo line-in</li> </ul>	
6.	Video and Audio Outputs	<ul style="list-style-type: none"> <li>• 2 x HDMI output for connecting main monitor &amp; second monitor.</li> <li>• 1 x 3.5 mm built in stereo line-out</li> </ul>	

7.	Other Interfaces	<ul style="list-style-type: none"> <li>• 1 x 10/100/1000 LAN port</li> <li>• 1 x RS-232 mini-DIN 8-pin or equivalent</li> </ul>	
8.	Camera	<ul style="list-style-type: none"> <li>• It should support minimum 720p30fps with PTZ functionality having 10X optical zoom or higher</li> <li>• Proposed system should have feature of the speaker tracking solution in future if required by adding additional camera unit without changing codec unit so that it should continually scan the room and seamlessly command the movable camera to pan, tilt, and zoom, appropriately framing the users, independent of any preset. The solution should be from the same OEM of camera and codec.</li> <li>• It should support PAN Range of +/-90°, and Tilt of +/-20°</li> </ul>	
9.	Network features	<ul style="list-style-type: none"> <li>• H.323 and SIP bandwidth up to 6 Mbps</li> <li>• IPv4 and Ipv6 support from day one</li> <li>• Auto Gatekeeper Discovery</li> <li>• IP Precedence, QoS</li> <li>• H.323 based Packet Lost Recovery</li> </ul>	
10	Multisite feature	It should support at least 6 sites(1+5) from day one at 720p so that locally multisite call can be hosted without depending on bridge resources	
11	Security	<ul style="list-style-type: none"> <li>• Media Encryption (H.323, SIP): AES-128, AES-256</li> <li>• Authenticated access to admin menus, web interface and telnet API</li> <li>• Local account password policy configuration</li> </ul>	
12	Other Standards	<ul style="list-style-type: none"> <li>• H224/H.281, H.323 Annex Q, H.225, H.245, H.241, H.239, H.243, H.460</li> <li>• It should be possible to integrate the VC endpoint with SFB online or onprem natively by adding a license in future without changing codec.</li> </ul>	
13	Warranty	1 year warranty on VC Codec, Camera , Mic, etc, i.e. on complete set up	
14	MAF	The Bidder Should have MAF (Manufacturer's Authorization Form) from OEM	