



# डॉ. बी.आर. अम्बेडकर सामाजिक विज्ञान विश्वविद्यालय

(राज्य विश्वविद्यालय, मध्यप्रदेश शासन)

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Sr. No.: BRAUSS/Reg./VCSysstem/

Date: 06-09-2019

## Short Tender Notice

### Notice for inviting tender for supply and installation of Video Conference Equipment

Dr B. R. Ambedkar University of Social Sciences invites sealed Tender for commercial bid for reputed manufacturer / distributor for supply of video conference equipment

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

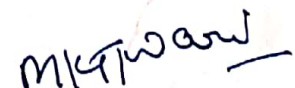
Sr. No.	Description	Quantity	Price
1	Video Conferencing Unit with (6 Party). <ul style="list-style-type: none"><li>• Support H.323 and SIP</li><li>• Content Sharing</li><li>• Screen Sharing</li><li>• PTZ Camera with 12 x Zoom</li><li>• Remote Control</li><li>• Upto 6 party video conference MCU</li><li>• Device comes with support for external mic/speaker</li><li>• Only Hardware based Multi Cast Unit is accepted, No Software/cloud based solutions is acceptable</li></ul>	01	

Please Note, preference may be given to the following OEMs –

1. Who have installed video conferencing system in 3 or more Government Universities in MP
2. Who are in Leaders' quadrant in latest Gartner Magic Quadrant report for Group video Systems and IDC Report
3. Video conferencing system should be able to easily communicate with Raj Bhavan/ NIC video conferencing system

The bidder is required to submit Manufacturers Authorization Form (MAF) from OEM.

Kindly quote your rates within 07 days from issuing date in above format with installation, training and commissioning with your one year support.

  
Registrar

**TECHNICAL SPECIFICATION FOR VIDEO CONFERENCING UNIT**

The proposed system of Video Conferencing System 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.			
S.No.	Description	Specifications Parameter	Compliance
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>	

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7.	Other Interfaces	<ul style="list-style-type: none"> <li>• 1 x 10/100/1000 LAN port,</li> <li>• 1 x USB 2.0</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>• 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-256/253</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	

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