

Spot Quote For Installation, Commissioning and Maintenance of Video Conferencing systems Ref : Spot Quote Ref: LIC/CO/IT-BPR/Network/Spot/VC dated 07.02.2025

Technical Compliance Sheet

Technical Specifications

A-1 Display with Floor Stand/Wall Mount:

Make and Model		
Technical Parameter	Min. Specification	Compliance (Yes/No)
Screen Size	65 inches	
Display Ratio	16:09	
Resolution	3840 x 2160 Pixels	
Brightness	500 cd/m ² Minimum	
Contrast Ratio	1200:1 or Higher	
Speaker	10 + 10 Watt	
Viewing Angle (HxV)	170° x 170°	
Connectivity	HDMI x 3, USB x 2, RJ 45, RS232C In, RS232C Out x 1, HDMI out x 1	
Operation Temperature	0°C to 40°C	
Operation Humidity	10% to 80%	
Mount	Necessary mount- Wall Mount /Floor stand	
Certificate	BIS/UL/CE or Equivalent standard	
Duty Cycle	24x7	
Weight	<100 Kg	
IP Rating	5X	

A-2 Video-Conferencing System:

Make and Model		
Features	Parameters	
Package	Full HD 1080p60 PTZ Camera, Codec, Microphone Array, Cables and Touch Control Panel	
Video Standards and Resolutions	support H.323 & SIP standards for communications.	
	It should support have video compression H.264 AVC, H.264 High Profile/H.265 or above	
	1080p 60 fps, 1080p 30 fps, 720p 60 fps, 720p 30 fps.	
Content Standards and Resolutions	It should support both wired and wireless content sharing. It should also support audio from PC used for content sharing. Features of Wireless content sharing can be provided with 3rd party addon device.	
	It should transmit both people and content both simultaneously to the far end location at 1080p 30 fps	
	Support Audio Standard formats	

Audio Standards and Features	Gain Control , Noise Suppression and echo cancellation	
	Noise Reduction	
Video and Audio Inputs	1 x HDMI/HDCI input for connecting main Full HD camera	
	1 x HDMI input to share 4K/Full HD content from PC/Laptop/Document camera/PTZ Camera.	
	USB input to connect additional USB based PTZ camera/PC/	
	Microphone Inputs with support for minimum 3 omnidirectional mics.The bidder need to quote 3 microphones.	
	1 x RCA/3.5mm /USB stereo line-in	
Video and Audio Outputs	2 x HDMI output for connecting primary and secondary 4K(UHD)/Full HD displays.	
	USB for connecting to touch display for features such as connecting camera, PC, Whiteboard, call control, annotation etc.	
	clause deleted	
Other Interfaces	1 x 10/100/1000 Ethernet port	
	1 x USB to support system software upgrade or similar for management.	
	1 x RS-232 Serial Port or equivalent port for connecting to external RS- 232 controller	
Camera	CMOS sensor or better with at least Horizontal field of view: 65°	
	The camera should support minimum 2nos of digital Cameras with 4K UHD and 7X resolution and automatic speaker tracking, to zoom onto the person who is currently speaking with minimum 10 camera presets. An additional PTZ camera with minimum full HD resolution and minimum 10X optical Zoom, PAN +/- 100°, Tilt -20/+30° to zoom onto the chairperson of the meeting . The camera should be controlled from the touch panel.	
Network Features	H.323 and SIP bandwidth supporting up to 6 Mbps or more.	
	Must support IPv4 and IPv6 from day one on both H.323 and SIP.	
	Auto / Manual Gatekeeper Discovery	

USB Device Mode	The system should be able to use VC system as an external camera and microphones when connected to a Laptop/PC over a single USB cable to connect to any Cloud Based VC platform like Cisco Webex, Zoom, Microsoft Teams, Google Meet, etc. Or Features of USB Device Mode Microsoft Teams, Google Meet, etc.	
Additional Feature	It should support Camera Auto- Tracking	
Security	Media Encryption (H.323, SIP): AES-128, AES-256, H.235.6 support	
	Authenticated access to admin menus, web interface and APIs	
	Local account password policy configuration	
	Global Directory/Centralized Directory/LDAP support	