

बिहार सरकार
सूचना एवं जन-सम्पर्क विभाग

निविदा आमंत्रण सूचना

सूचना एवं जनसम्पर्क विभाग, बिहार सरकार, पटना द्वारा प्रतिष्ठित एवं अनुभवी एजेंसियों/आपूर्तिकर्ताओं से विभाग में रूम बेस्ड वीडियो कॉन्फ्रेंसिंग (VC) एंडपॉइंट और 75 इंच कमर्शियल टीवी स्क्रीन की आपूर्ति (Supply), इंस्टॉलेशन, टेस्टिंग और कमिशनिंग के लिए दो-बिड प्रणाली (तकनीकी एवं वित्तीय) के तहत मुहरबंद निविदाएं आमंत्रित की जाती हैं।

Specification :-

Technical Specifications of Room Based VC Endpoint		
The proposed system must support PAL/equivalent with PTZ camera. The codec must be based on ITU standards & hardware based. No software based solution will be accepted. All components of the VC system like Codec, Camera and Touch Control Panel should be from the same OEM.		
Sr. No.	Description	Specification Parameter
1	Package	Full HD 1080p60 PTZ Camera, 4K Codec, Cables and Touch Control Panel from the same OEM.
2	Video Standards and Resolutions	It should support H.323 & SIP standards for communications.
		It should support interoperability and bandwidth saving using video compression H.264 AVC, H.264 High Profile, H.265
		It should support 1080p 60 fps, 1080p 30 fps, 720p 60 fps, 720p 30 fps.
3	Content Standards and Resolutions	It should support both wired and wireless content sharing using standard based H.239 and BFCP. It should also support audio from Laptop used for content sharing.
		It should transmit content to the far end location up to 4K15fps.
		It should support inbuilt feature for wireless content sharing from Windows, MacOS, Android, iOS Smartphones & Tables without downloading any application on the user device.
		It should support Content Annotation and WhiteBoarding/Blackboarding capability when connected to Touch Enabled Display/Monitor.
4	Audio Standards and Features	It should support G.711, G.728, G.729A, G.722, G.722.1, G.719 or better
		It should support 20kHz or better bandwidth with crystal clear audio and stereo sound.
		Automatic Gain Control and Automatic Noise Suppression
		It should have inbuilt technology to identify and eliminate non-human distracting noises such as keyboard typing, paper shuffling and wrapper crinkling during video calls.
		It should have inbuilt technology to create virtual boundary within the room to capture only the voices within a defined space in the room and blocking any human or non-human voice getting generated outside this virtual audio boundary during video calls.
5	Video and Audio Inputs	1 x HDMI/HDCI/USB input for connecting main Full HD camera
		1 x HDMI input to share 4K/Full HD content from PC/Laptop/Document camera/PTZ Camera.
		3 x HDMI/USB inputs to connect additional PTZ cameras from same OEM to capture whiteboard/presenter and podium area in future whenever required.
		3 x Microphone Inputs or more with support for minimum 3 digital omnidirectional mics.
		1 x RCA/3.5mm stereo line-in
6	Video and Audio Outputs	2 x HDMI output for connecting primary and secondary 4K(UHD)/Full HD displays.
		1 x RCA/3.5 mm stereo line-out
7	Other Interfaces	1 x 10/100/1000 Ethernet port
		1 x USB to support system software upgrade

		Bluetooth 5.0 and WiFi 802.11a/b/g/n/ac (MIMO) for Wireless Content Sharing for Guests using their Smartphones and Tablets (Android and iOS)
		1 x RS-232 Serial Port or equivalent port for connecting to external RS-232 controller
8	Camera	1/2.33" CMOS sensor or better with atleast Horizontal field of view : 65° The camera should support minimum 10X Optical Zoom or better, PAN +/-100°, Tilt +20/-30° & minimum 10 or Better camera presets. The camera supplied should be connected to VC codec over a single cable for camera PTZ control, video out and power to avoid cable clutter. Video Conference Camera and Codec should be controlled using same touch panel.
9	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 Gatekeeper Discovery, Lost Packet Recovery (LPR) technology, IP Precedence and DiffServ, Configurable MTU size
10	USB Pass-Thru Mode	The system should have inbuilt functionality to use the VC system as an external camera and microphones when connected to a Laptop/PC over a single USB cable without using any external hardware components to connect to any Cloud Based VC platform like Cisco Webex, Zoom, BlueJeans, Microsoft Teams, Google Meet, etc. The system should be able to support up to 1080p30fps video transmit in USB Pass-thru mode. It should be possible to Mute/Unmute all the microphones and control camera functionality from the same touch control panel during USB pass-thu mode. The system should be supplied with 5 mtrs. single USB 3.0 cable from the same OEM for USB Pass-thru mode for seamless functionality.
11	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
12	Other Standards/features	H.460.18, H.460.19, SSL, TLS
13	Cloud Integration	It should be possible to natively register the VC system with Microsoft Teams Room and Zoom Room account for native cloud based video calling features and experience. USB Pass-Thru mode functionality should also be available when the system is running in Microsoft Teams Room / Zoom Room mode
14	Warranty	The complete solution should be from the same OEM with 1 year warranty from day one.
15	MAF	The Bidder shall submit BID specific OEM authorization along with bid. Failing to this bid will be summarily rejected
16	Delivery	The delivery is most critical so the successful bidder shall ensure delivery of Original Equipment within 03 working days from the date of confirm purchase.

Paramter	Specification
Make/Model	
Diagonal Size	75" or higher
Panel Type	VA or Similar
Resolution	3840x2160(16:9)
Brightness	350 Nit
Contrast Ratio	4000:1
Viewing Angle(H/V)	178:178
Bezel Width(mm)	11.5mm(even) or less
Response Time	8 ms
Display Colors	16.7 M
Color Gamut	92%
Audio	Built in Speaker(10W + 10W)
Input Type	HDMI 2.0 (3)
	HDCP 2.2
	USB 2.0 x 2
Output Type	Stereo Mini Jack
Duty Cycle	16/7 Hrs
Special features	H/W : HAZE 25%Symmetric Design, Center IR, Temperature Sensor, Ambient Sensor Auto Level Wi-Fi(2.4/5.0GHz dual) & BT S/W : Workspace (Microsoft365/VMWare/RDP) Custom Home Auto Source Switching & Recovery, Dicom Simulation Mode, Director Mode, SmartView+(PC), Upgradable Web-Engine, Enterprise Platform Smart Calibration, SmartView+ feature to wirelessly show 6 participants from different devices(mobile, PC, laptop, tablets, etc), Video Conference Solution
Internal Player Feature	1.6Hz Quad Core CA73 or better CPU, 16GB Storage
Logo	Should have customized Logo when no signal is active
File Support	Direct viewing of PPT, Word ,PDF, Images and Video from pen drive
Remote Controlling of Device	Laptop / Desktop should be controlled remotely by external Keyboard and mouse through display
External Control	RS232C(in/out), RJ45
Power Consumption Max	214.5 W/H OR LESS
Standby Mode Power	less than 0.5W
Operating Temperature	0 °C ~ 40 °C
Humidity	10 % ~ 80.0 %
Safety	CE, UL & BIS
	EMC-Class B
Warranty	3 yrs onsite

निविदा की शर्तें :-

01. विगत तीन वर्षों में फर्म/एजेंसी का Annual Turnover 50 लाख प्रतिवर्ष होना चाहिए।
02. निविदा में भाग लेने वाली फर्म/एजेंसी को GST के अर्न्तगत निबंधित होना अनिवार्य है। फर्म को पैन कार्ड एवं GST निबंधन की स्वअभिप्रमाणित छायाप्रति संलग्न करना होगा।
03. फर्म/एजेंसी को काली सूची में दर्ज नहीं होने संबंधी स्वअभिप्रमाणित घोषणा पत्र संलग्न करना होगा।
04. फर्म/एजेंसी को लिफाफे के ऊपर बड़े एवं स्पष्ट शब्दों में अंकित करना होगा कि "निविदा VC Device के आपूर्ति के लिए" है।
05. उक्त निविदा आमंत्रण सूचना को कभी भी रद्द करने/संशोधित करने का सर्वाधिकार सूचना एवं जन-सम्पर्क विभाग, बिहार, पटना के पास सुरक्षित रहेगा।

23/9/26
(गुंजत सिंह)
निदेशक