

WEBEL TECHNOLOGY LIMITED

CORRIGENDUM – I

Tender No. WTL/WBP/CON/21-22/011 dated 13.07.2021

Sl. No.	Section	Item Sl. No.	Page No.	Present Entry	Revised Entry
2. Minimum Technical Specification of Room Based VC Endpoint (Medium to Large Size Room)					
1	I	2	28	Video Standards and Resolutions It should support interoperability and bandwidth saving using video compression H.264 AVC, H.264 High Profile, H.265	Video Standards and Resolutions It should support interoperability and bandwidth saving using video compression H.264 AVC, H.264 High Profile/ H.265 or better
2	I	3	28	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 PC used for content sharing.	Content Standards and Resolutions It should support wired /wireless content sharing using standard based H.239 and BFCP. It should also support audio from PC used for content sharing.
3	I	3	28	Content Standards and Resolutions It should support inbuilt feature for wireless content sharing using Airplay and Miracast technology without downloading any application on the user device.	Content Standards and Resolutions It should support inbuilt feature for wireless content sharing.
4	I	3	28	Content Standards and Resolutions It should support Content Annotation and White Boarding capability when connected to Touch Display.	Content Standards and Resolutions Delete
5	I	4	28	Audio Standards and Features It should support G.711, G.728, G.729A, G.722, G.722.1, G.719 or better	Audio Standards and Features It should support G.711, G.722, G.722.1, G.729/AAC-LD or better
6	I	4	29	Audio Standards and Features Keyboard Noise Reduction and Noise Block	Audio Standards and Features Keyboard Noise Reduction/ Automatic noise reduction / Active lip synchronization/ Noise Block
7	I	5	29	Video and Audio Inputs 2 x USB input to connect additional USB based PTZ camera from same OEM to capture whiteboard and lecturer/presenter.	Video and Audio Inputs Delete
8	I	6	29	Video and Audio Outputs 2 x USB for connecting to two touch display	Video and Audio Outputs Delete
9	I	7	29	Other Interfaces 1 x USB for software upgrade	Other Interfaces 1 x USB for software upgrade/other functionalities
10	I	7	29	Other Interfaces Bluetooth 5.0 and WiFi 802.11a/b/g/n/ac (MIMO)	Other Interfaces WiFi 802.11a/b/g/n/ac
11	I	8	29	Cameras	Cameras

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				The camera should support minimum 10X Optical Zoom, PAN +/-100°, Tilt +20/-30° & minimum 10 camera presets.	The camera should support minimum 10X Optical Zoom, PAN +/-100°, Tilt +20/-20° & minimum 10 camera presets."
12	I	8	29	Cameras The VC System must be upgradable to a dual camera/two camera system with both cameras of minimum 12X Optical Zoom to provide automatic voice and speaker framing of the active speaker in the room with a range up to 32 feet. It should be possible to send both active speaker in zoomed mode and room view in PIP to far side location during a VC call in a single stream. It should be possible to cascade two such camera system to cover larger room.	Cameras The VC System must be upgradable to a dual camera/two camera system with both cameras of minimum 10X Optical Zoom to provide automatic voice and speaker framing of the active speaker in the room with a range up to 32 feet.
13	I	8	29	Cameras Video Conference Camera and Codec should be controlled using same remote control.	Cameras Video Conference Camera and Codec should be controlled using same remote control / Touch control.
17	I	10	29	USB Device Mode It should be possible to use the VC system as an external camera, microphone and speaker 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 solution should be officially certified and supported by OEM	USB Device Mode It should be possible to use the VC system as an external camera, microphone and speaker when connected to a Laptop/PC over a single USB cable directly or via external device to connect to any Cloud Based VC platform like Cisco Webex, Zoom, BlueJeans, Microsoft Teams, Google Meet, etc. The solution should be officially certified by OEM and supported by OEM or OEM Certified Partner. (Officially certified copy must be submitted in the OEM's letterhead)
18	I	11	30	Security Media Encryption (H.323, SIP): AES-128, AES-256, H.235.6 support	Security Media Encryption (H.323, SIP): AES-128 / AES-256
3. Minimum Technical Specification of of Room Based - All-in-One VC Endpoint					
19	I	2	30	Video Standards and Resolutions It should support interoperability and bandwidth saving using video compression H.264 AVC, H.264 High Profile, H.265	Video Standards and Resolutions It should support interoperability and bandwidth saving using video compression H.264 AVC, H.264 High Profile/ H.265 or better
20	I	2	30	Video Standards and Resolutions It should support 4K 30 fps, 1080p 60 fps, 1080p 30 fps, 720p 60 fps, 720p 30 fps.	Video Standards and Resolutions It should support 1080p 60 fps, 1080p 30fps, 720p 60 fps, 720p 30 fps
21	I	3	30	Content Standards and Resolutions	Content Standards and Resolutions

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				It should support both wired and wireless content sharing using standard based H.239 and BFCP. It should also support audio from PC used for content sharing.	It should support wired /wireless content sharing using standard based H.239 and BFCP. .It should also support audio from PC used for content sharing.
22	I	3	30	Content Standards and Resolutions It should transmit both video and content to the far end location at 4K	Content Standards and Resolutions It should transmit content to the far end location at 4K
23	I	3	30	Content Standards and Resolutions It should support inbuilt feature for wireless content sharing using Airplay and Miracast technology without downloading any application on the user device	Content Standards and Resolutions It should support inbuilt feature for wireless content sharing
24	I	3	30	Content Standards and Resolutions It should support Content Annotation and WhiteBoarding capability when connected to Touch Display.	Content Standards and Resolutions Delete
25	I	4	30	Audio Standards and Features It should support G.711, G.728, G.729A, G.722, G.722.1, G.719 or better	Audio Standards and Features It should support G.711, G.722, G.722.1, G.729/AAC-LD or better
23	I	7	30	Other Interfaces 1 x USB for software upgrade	Other Interfaces 1 x USB for software upgrade/other functionalities
24	I	7	30	Other Interfaces Bluetooth 5.0 and WiFi 802.11a/b/g/n/ac (MIMO)	Other Interfaces WiFi 802.11a/b/g/n/ac
25	I	8	31	Cameras The camera should support automatic speaker framing and people framing.	Cameras The camera should support automatic people framing
26	I	8	31	Cameras The system should provide an option to turn ON or OFF the automatic voice and face tracking feature whenever required.	Cameras The system should provide an option to turn ON or OFF the automatic face tracking feature whenever required
27	I	11	31	Security Media Encryption (H.323, SIP): AES-128, AES-256, H.235.6 support	Security Media Encryption (H.323, SIP): AES-128 / AES-256
1. Minimum technical Specification of Router					
	I	2	27	Router Should support separate data and control plane capabilities	Router Should support separate data and control plane capabilities or equivalent functionalities
28	I	11	27	Should have extensive support for IP SLA and best path selection for metrics like delay, latency, jitter, packet loss to assure business-critical IP applications from Day1.	Should have extensive support for IP SLA or equivalent features and best path selection for metrics like delay, latency, jitter, packet loss to assure business-critical IP applications from Day1.
29	I	13	27	Router should capable to understand that system OS are authentic and unmodified, it	Router should capable to understand that system OS are authentic and unmodified, it should

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				should have cryptographically signed images to provide assurance that the firmware & BIOS are authentic.	have cryptographical /encrypted signed images to provide assurance that the firmware & BIOS are authentic
30	I	14	27	Router should have traffic load balancing capability on dual WAN Links based on based on advanced criteria, such as reachability, delay, loss, jitter and bandwidth utilization.	Router should have traffic load balancing capability on dual WAN Links based on based on advanced criteria, such as reachability, delay, loss, jitter and bandwidth utilization or equivalent functionality.
30	I	15	27	Router shall have capability to add on demand IPsec VPN tunnels dynamically established multipoint-to-multipoint IPSEC based spoke-to spoke VPN tunnels matching traffic conditions	Router shall have capability to handle IPsec VPN tunnels dynamically established multipoint-to-multipoint IPSEC based spoke-to spoke VPN tunnels matching traffic conditions or equivalent functionality.

SECTION - A

Scope of Work & Other detail

1. Arrangement for fixing camera / Codec is to be made by the bidder for each police offices. All necessary accessories are to be provided by bidder for fixing the same.
2. Five LAN points as indicated by end customer is to be done by the bidder at each police offices