



MMTC LIMITED.  
(A Govt. of India Enterprise)  
SCOPE Complex,  
7 - Institutional Area,  
Lodhi Road, New Delhi – 110003

## **CORRIGENDUM No.-01**

**Dated: 19<sup>th</sup> Nov  
2015.**

**Ref:- Tender No. MMTC/CO/COMP/VC/2014/1285 for “E-tender for supply and commissioning of Video conference solution in MMTC Limited on turnkey basis”.**

### **Modification as per following clause:**

Clause 3.0, for including Specification of Material for Video conference.

### **3.2 Detailed Specification & Requirement of Material.**

(VC Equipment required at CO Delhi (P to MP) and other locations Mumbai, Kolkata, Ahmedabad, Bhubaneswar & Chennai (P to P)

3.2.1 Package: - Full HD 1080p camera, Full HD 1080p Codec, Microphone, Cables, and Wireless Remote Control.

3.2.2 Protocols: - H.323 and SIP Compliant. H.261, H.263, H.264. The system should support higher Video Compression protocols such as H.264 /264hp/SVC/H.265. H.239, BFCP. H.263 & H.264 Video error concealment. G.711, G.722, G.722.1 audio protocols. H.281 far end camera control.

3.2.3 Video Inputs: - It should have 1 x HD Camera Interface. It should have another inbuilt 2 HDMI/DVI/VGA port for PC, Document Camera etc.

3.2.4 Video Outputs: - It should have at least 2 HDMI/DVI/VGA ports to connect displays.

3.2.5 Main Video Resolutions: - Shall work in high definition video resolution of 1080p60fps for live video for both Transmit and receive.

3.2.6 Content Resolutions: - The system should support 1080p30fps content along with 1080p30fps Main Video. The endpoint should be capable of sharing presentation from PC/Laptop **via wired or wireless** IP network available.

- 3.2.7 Camera: - Full HD 1080p 60 fps 1280 x 1080p CCD imager. Zoom - 10X or more. Field of View > 50 Degrees or Higher Horizontal FOV. Camera should be supplied with cable of min. 3 mts.
- 3.2.8 Audio Inputs: - It should support 3 no. of Omni Directional Microphones either directly or through array. It should have additional Audio Input for PC Audio
- 3.2.9 Audio Outputs: - It should have at least 1 x HDMI port. It should have at least 1 x 3.5mm/RCA Stereo Line-Out port.
- 3.2.10 Network: - Should have 100/1000 Mbps auto speed Ethernet port. Support Data Rate of 4 Mbps or more on IP (H.323 and SIP).
- 3.2.11 Multipoint: - In case of 'P to MP' the system should have capability to connect to 5 more locations all with HD resolution (1+5) using the in-built capability.
- 3.2.12 Other Ports: - Serial/Ethernet control port for integrating with external control system.
- 3.2.13 Other Features: - Should work with IPv4 and IPv6 addressing schemes.
- 3.2.14 Power: - Should operate on 230v, 50 Hz Power supply.
- 3.2.15 Compatible LED Diagonal Size: 55 Inches, Resolution: 1920 X 1080 (**with wall mount fitting**)
- 3.2.16 Shall come with easy to use infra-red handheld remote control with operating distance of at least 4.5 m.
- 3.2.17 All cable or connectors necessary for above setup should be supplied by supplier/bidder.
- 3.2.18 Solution containing 'Cloud Solution' or 'Any Third Party Control' shall not be accepted.

ALL OTHER TERMS AND CONDITIONS OF THE TENDER SHALL REMAIN UNCHANGED. THIS CORRIGENDUM BECOMES INTEGRAL PART OF TENDER NO MMTC/CO/COMP/VC/2014/1285 Dated: 9<sup>th</sup> November 2015.