Dated: 06.12.2019

RailTel Corporation of India Ltd

(A Government of India Enterprise)

Plate-A, 6th Floor, Office Tower-2,
NBCC Building, East Kidwai Nagar,
New Delhi-110023

Website: **www.railtelindia.com**

<u>Corrigendum -II</u>

Sub: Request for proposals for "**Supply of Video Conferencing KIT for VVIP Events**".

Ref: This office Tender No.RailTel/Tender/OT/CO/TP/2019-20/VC KIT/499 dated 07.11.2019.

In reference to the above referred tender the following amendment are issued under the Corrigendum-II. The bids may be submitted in consideration of this amendment.

1. **Description of SOR-10 of Chapter-1 "Schedule of requirement" may be read as:**

S N	SOR	Item Description	Unit	Qty	Unit Basic Price (In Rs.)	Packing & Forwarding Charges (In Rs.)	Freight & Insurance charges * (In Rs.)	CGST @ --% (In Rs.)	SGST @ --% (In Rs.)	IGST @ --% (In Rs.)	Unit Cost C.I.P. destination (In Rs.)		Total cost C.I.P. Destination (In Rs.)	
					(a)	(b)	(c)	(d)	(e)	(f)	In fig.	In words	In fig.	In words
10	SOR-10	Fotopro Tripod (Min 8 ft. height) with Carry Bag Super durable & stable, reverse folds to an easy to carry compact size. Includes FPH-52Q Head. All the functions you need for a professional tripod with the addition of a built in monopod	Nos	15										

2. **Added New clause Scope of Work, Chapter 4 Technical Specifications.**

Scope of work:

a. All the supplied item should be integrable to each other and required accessories to be supplied by bidder.

b. Supplied end points to be control and managed by central MCU infrastructure of RailTel.

c. The equipment should have comprehensive onsite OEM warranty, and for a period, starting from go-live. The comprehensive OEM onsite warranty includes the following:

o   Repair of faulty equipment.

o   Replacement of irreparable equipment or parts with equivalent or higher compatible with the solution

o   Providing technical support

o   Software updates and Upgrades.

d. Bidder has to provide Passive component (Patch Cords & other items) required for Installation and Commissioning of complete solution should be from reputed OEM.

e. VC codec, Microphone and camera should be of same OEM and should be controlled by single remote control

f. Codec should not require to reboot pertaining to Audio and Video config changes during live conference.

g. All the features/Software/Licenses required in the tender documents should be available from day 1 without any additional cost to RailTel.

h. If required, POC (Proof of concept) at RailTel premises for the offered Equipment shall be done at time of technical evaluation. The eligibility of offer will be considered only after satisfactory POC of the offered Equipment for verifying the technical specifications. It is bidder's responsibility to coordinate with OEM for POC without any cost to RailTel. Bidder has to conduct the POC within two weeks from the date of intimation. In case bidder fails to conduct POC within specified time period (two weeks), the offer will not be technically qualified.

3. **Following Points of clause 1.1 of Chapter 4 "" may be read as:**

	Existing Requirement	Modified Requirement
Visual Communication System/Codec Specifications		
Video compression method	H.261 (mainstream only), H.263, H263+, H.263++ (reception only), H.264 High Profile, H.264 Baseline Profile	H.261, H.263, H263+, H.263++ (reception only), H.264 High Profile, H.264 Baseline Profile
Multi-monitor	1-display	2-display
No. of applicable resolution frames	Main: Max. 1080p 30 frames/second, Sub: Max. 1080p 30 frames/second	Main: 1080p 30 frames/second or better, Sub: 1080p 30 frames/second or better
I/O Terminals.		
Video input: 1. Camera	HDMImainx1, HDMI subx1Input resolution: 1280 x 720p, 1920 x 1080i, 1920 x 1080p	HDMImainx1, HDMI subx1Input resolution: 1280 x 720p, 1920 x 1080i, 1920 x 1080p
Video input: 2. PC	RGB x 1 (Mini D-sub 15pin), HDMI x 1*3Input compatible resolution: VGA, SVGA, XGA, HD, WXGA, SXGA, FWXGA, WXGA+, WXGA++, UXGA, WSXGA+, Full-HD.	RGB x 1 (Mini D-sub 15pin), HDMI x 1*3 Input compatible resolution: HD, Full HD
Video Output	HDMI x 1, Supported output resolutions: 1920 x 1080i, 1920 x 1080p	HDMI x 2, output resolutions: 1080i, 1080p

Audio Input	Boundary Omnidirectional Microphone x 1 (KX-VCA002X) M ax. 1, HDMI, Stereo mini-plug x 1 (ø0.35 cm), RCA (Stereo) x 1	Omnidirectional Digital Microphone x 1 for covering distance minimum 15 meter from codec, HDMI Stereo mini-plug x 1 , RCA (Stereo) x 1
Audio Output	HDMI, Stereo mini-plug x 1 (ø3.5 mm), RCA x 1 (Stereo)	HDMI, Stereo mini-plug x 1 (ø3.5 mm), RCA x 1 (Stereo)
Network	RJ45 x 1, 1000BAS E-T/100BASE-TX/10BASE-T Full Duplex	RJ45 x 1, 1000BAS E-T/100BASE-TX/10BASE-T Full Duplex
External Control	RS-232C x 1 (Also used for maintenance)	RS-232C x 1
Others:	USB2.0x1, Camera Control Terminal x1 (Not used)	USBx1
No. of Simultaneous Connection Sites	Point to point	Codec should support 4 sites simultaneous connection without involving central mcu of RailTel
Unauthorized Incoming Call Security	Identification Number / Terminal Verification (HDVC, HDVC Mobile) / Whitelist	Deleted
Content Sharing	PC (RGB/HDMI), Sub video camera (HDMI sub)	PC (RGB/HDMI)
USB Host Mode (USB Memory)	Updating Software Import: Contact List / Profile / Configuration Data / Encryption Data / Startup screen / Multicast Tree List Export: Contact List / Profile/ Configuration Data / Encryption Data / Multicast Tree List Recording (Audio and Video	Deleted
Upgrade Options	Added New clause	Upgrading via USB/LAN/ Internet should be possible
USB Device Mode (PC Peripheral)	USB Audio Class 1.0 / USB Video Class 1.0	Deleted
Network Functions	Packet resending (ARQ), Forward Error Correction (FEC), Adaptive Rate Control (ARC), Reorder, Packet Shaping, Arbitrary Port Setting, NAT Compatibility, Encryption, IP Precedence/Diff Serv. Support	Packet resending (ARQ), Forward Error Correction (FEC), Adaptive Rate Control (ARC), Reorder, Packet Shaping, Arbitrary Port Setting, NAT Compatibility, Encryption, IP Precedence/Diff Serv.
Power input	AC 100-240, 50/60Hz	AC 120-230 50/60 Hz
Operating humidity	10% to 90% (non-condensing)	15% to 80% (non-condensing)
HD Camera		
Image Sensor	1/2.3" Type MOS	1/2.3" Type MOS or better
Zoom	Optical: 22x; Zoom: 30x; Digital: 16x	Optical 22x, Digital: 16x

FOV	Horizontal: 61.6° (W) to 2.9° (T) Vertical: 37.0° (W) to 1.6° (T) Diagonal: 68.7° (W) to 3.3° (T)\	Horizontal: 60.7° (W) to 2.9° (T) Vertical: 37.0° (W) to 1.6° (T) or better
Horizontal Resolution	1000 lines	Deleted
Minimum Illumination	0.35 lux	0.5 Lux or better
Backlight Compensation	Added New clause	Required, Backlight, Brightness, Focus, White balance can be adjusted individually.
Gain	0 to 48 dB	0 to 48 dB or better
Output Format	1080p: 59.94/50/29.97/25 1080PsF: 29.97/25 1080i: 59.94/50 720p: 59.94/50	Deleted
Pan Range	±175°	±170°or better
Sound Level	NC35 or less	Deleted
Input/ Output Connectors	LAN: 1 x RJ45 RS232C: 1 x Mini DIN 8-pin (in) / 1 x Mini DIN 8-pin (out) RS422: 1 x RJ45 (control in RS-422A) USB: 1 x Mini-B port SD Card: 1 x microSD card slot	LAN: 1 x RJ45 RS232C: 1 x Mini DIN 8-pin (in) / 1 x Mini DIN 8-pin (out)/ RS422: 1 x RJ45 (control in RS-422A) USBx1/USBX 1 (Mini-B port) /SD Cardx 1 / microSD cardx1
Power Requirements	DC 12 V (supplied AS adapter) DC 42 V to 52 V(PoE+ power supply)	Camera should either draw power from Codec or external power adaptor (Adaptor should be supplied along with camera) or POE/POE+ port. In case of only POE/POE+ port, POE injector should be supplied along with the camera.
Operating temperature	0 Degrees to 50 Degrees Celsius	" 0 Degrees to 40 Degrees Celsius"
Storage Temperature	-20 Degrees Celsius to 50 degrees Celsius	Deleted
Allowable humidity range	20% to 90% (no condensation)	15% to 80% (non-condensing)

4.   Address of RailTel for bidding may be read as Plate-A, 6th Floor, Office Tower-2, NBCC Building, East Kidwai Nagar, New Delhi-110023.

5.   **The last date of submission of bids is extended from 06.12.2019 to 17.12.2019 up to 15.00 Hrs. Tender will be opened at 15:30 Hrs. on 17.12.2019**

Other terms and conditions are remained same.

(Haritima Jaipuriar)
General Manager/ITP