

Dated: 12.11.2018

**RailTel Corporation of India Ltd  
(A Government of India Enterprise)**

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**Corrigendum –I**

**Sub: E-tender No. 446 for “Supply, Installation, Integration, Testing & Commissioning of Video Wall & Audio Visual System for RailTel CNOC”**

**Ref: i) E-Tender No. RailTel/Tender/OT/CO/Project/2018-19/CNOC-VW&AV/446 dtd 11.10.2018**

With reference to the above mentioned open e-tender, pre-bid conference was held on 23.10.2018. Based on the queries submitted/raised by prospective bidders and discussions held during pre-bid conference, following amendments to the tender conditions are being issued (Amended Clauses/amendments only are being published with the rest of the document remaining as it is):

**1. Clause no. 4 of Chapter-5 (Page 67 of Tender Document) may be read as:**

**Delivery Period and Completion Period**

Delivery Period: within 8 weeks from date of issue of LOA.

Roll-out (I&C, Testing, Integration, UAT, Training and Operationalization): within 16 weeks from date of issue of LOA.

**2. Sub Clause no. A-1.2.13 of Clause A-1.2: Video wall Processor of Chapter-3 (Page no. 17 of Tender Document) may be read as:**

Sharing & Collaboration : it should be possible to share layout over LAN/ WAN network with workstations connected to meeting room or other workstations connected to same LAN / WAN network

**3. Sub Clause no. A-4.1.1.8 of Clause A-4.1 : Display Systems of Chapter-3 (Page no. 18 of Tender Document) may be read as:**

In-built touch screen to be supported for interactive display.

**4. Clause no. 4.2.2 and Sub clause 4.2.2.4 of Clause A-4.2.2: High Impedance Power Amplifiers of Chapter-3 (Page no. 19 of Tender Document) may be read as:**



SN	Clause Description
A-4.2.2	High Impedence Power Amplifiers Make: Crown (Harman) or QSC or Lab Gruppen or Extron or Bosch or Crestron or JBL (Harman)
A-4.2.2.4	SNR (S/N)=> 97 db +/- 5 db variation

5. Sub Clause no. 4.2.3.2 of Clause A-4.2.3 : 12x8 Digital Matrix Processors of Chapter-3 (Page no. 19 of Tender Document) may be read as:  
Processor with fixed I/O

6. Sub Clause no. A-4.2.4.2, A-4.2.4.3 , A-4.2.4.6 of Clause A-4.2.4: Wireless Handheld Microphone of Chapter-3 (Page no. 19 of Tender Document) may be read as:

SN	Clause Description
A-4.2.4.2	Frequency Response 100 Hz- 15 KHz or better
A-4.2.4.3	Receiver type 1-channel diversity receiver (UHF)
A-4.2.4.6	Presets (compatible frequencies of Tx/Rx) 8 or more

7. Sub Clause no. A-4.2.5.5 of Clause A-4.2.5: Table Boundary Microphone of Chapter-3 (Page no. 20 of Tender Document) may be read as:  
Phantom power supply: 12-48V or a higher voltage window

8. In addition to the above, following modifications/changes may also be noted:

- i. Closing Date for downloading the Tender: Upto 12:00 hrs of 30.11.2018
- ii. Closing date for Submission of E-Bids: Upto 15:00 hrs of 30.11.2018
- iii. Date of opening of E-Bids: At 15:30 hrs on 30.11.2018

All other terms & conditions of tender document remain the same.

This is issued with the approval of Competent Authority.



(Manoj Tandon)  
GM-OSS/BSS

DA: Annexure-1: Pre-Bid Queries and Clarifications (5 Pages)



**PRE-BID QUERIES AND CLARIFICATIONS (TENDER No. 446)**

Ref: (i) Open Tender Notice No. RailTel/Tender/OT/CO/Project/2018-19/CNOC-VW&amp;AV/446 dated 11.10.2018

SN.	Clause No.	Sub Clause No.	Chapter No.	Page No.	RFP Reference	Query	RailTel's Response
1	<b>22: Earnest Money Deposit (EMD)/ Bid Security</b>		4	44	The tenderer shall furnish a sum as given in Bid Data Sheet (BDS) Chapter 5 as Earnest Money in the form of Demand Draft from any scheduled bank in India in favour of "RailTel Corporation of India Limited" payable at New Delhi which should remain valid for 45 days beyond the bid opening date.	Request you to please allow EMD to be paid in form of Bank Guarantee.	No change
2	4		5	67	Delivery Period and Completion Period Delivery Period: within 6 weeks from date of issue of LOA. Roll-out (I&C, Testing, Integration, UAT, Training and Operationalization): within 12 weeks from date of issue of LOA.	We request the concern authority to increase the delivery period to 8 weeks as all the items are imported and roll-out (I&C, Testing, Integration, UAT, Training and Operationalization): with in 16 weeks from date of issue of LOA.	Please refer Corrigendum-I
3	2.1		2	8		Speaker should be 4" instead of 8"	No change
4	<b>A-1.1: Video Wall Cubes for</b>	A-1.1.6	3	15	Backlit Type: LED, with 6x redundancy for each of 3 LED's or LASER with multiple LASER bank for redundancy	To remove Backlit Type: LED, with 6x redundancy for each of 3 LED's and only keep Backlit Type: LASER with multiple LASER bank for redundancy	No change



5	24*7 Operations	A-1.1.9	3	15	Screen Gap (Bezel to Bezel) : 2 mm or lesser	Screen Gap (Bezel to Bezel) : 1 mm or lesser as it is better	No change
6		A-1.1.15	3	15	Dual link DVI-D (or Better) Input – 2 inputs & Output - 1	Please change to : 2 x DVI/HDMI Input & 1 x DVI Output	No change.  <b>Clarification:</b> HDMI to DVI converter can be offered in case one HDMI and 1 DVI inputs are offered.
7		A-1.1.24	3	16	Half Gain Angle (Horizontal / Vertical) : 33Deg/33Deg +/- 3 Deg	Half Gain Angle (Horizontal / Vertical) : 35Deg/27Deg +/- 3 Deg	No change
8		A-1.1.30.3	3	16	Should have adjustable height, extension and depth	Please remove this not applicable for DLP video wall	No change  <b>Clarification:</b> The frames structure offered with DLP video wall should have these features
9	A-1.2: Video wall Processor	A-1.2.13	3	17	Sharing & Collaboration : It should be possible to share the layouts over LAN/WAN Network with Display in Meeting room or on Remote Workstations connected on LAN/WAN Network	Please change to: it should be possible to share layout over LAN/ WAN network with workstations connected to meeting room or other workstations connected to same LAN / WAN network	Please refer Corrigendum-I
10		A-1.2.14	3	17	Soft KVM : The system shall include complete Soft KVM to permit operators to take mouse & keyboard control of Displays, Screen Scrapped applications and DVI source	Please change to: The system shall include complete Soft KVM to permit operators to take mouse & keyboard control of Displays connected to workstation, Screen Scrapped workstations and workstation with DVI output.	No change



11		A-1.2.16	3	17	The Ticker can be picked from data source through screen scrapping or through typing specific incidence, manually	The Ticker can be picked from any text file or through typing manually.	No change
12		A-1.2.21	3	17	<b>Controlware</b> : System Design should be Network based and uses Ethernet network infrastructure	Please change to Clientserver architecture.	No Change  <b>Clarification:</b> The inputs to Video Wall Processor will be available on LAN/WAN only hence Video Wall Processor has to support ethernet network infrastructure. The Video Wall Processor can become client of EMS/NMS to fetch GUI for displaying on Video Wall
13	<b>A-1.3: Redundancy for Video Wall Processor</b>	A-1.3	3	17	Functionalities must be offered to avoid Video Wall going blank in case of Video Wall Processor goes down, for redundancy. Video Wall should continue to display contents based on pre-configured layout, without downscaling of Display Content, even if Video Wall Processor goes down.	Please ask for Redundant controller in master slave configuration to be provided.	No change.  <b>Clarification:</b> The solution has to be comprehensive, RailTel will not provide any item to achieve the solution
14	<b>A-2: Flat Panel LED backlit Display : 60-65 inch Professional Grade Display Panel</b>	A-2.5	3	17	Inbuilt Media Player	Please make it Inbuilt or External	No change
15		A-2.6	3	17	Inbuilt functionality for Internet Ready	Please make it Inbuilt or External	No change
16		A-2.7	3	18	Inbuilt functionality is required for Wi-Fi readiness.	Please make it Inbuilt or External	No change
17		A-3.5	3	18	Inbuilt Media Player	Please make it Inbuilt or External	No change



18	<b>A-3: Flat Panel LED backlit Display : 45-50 inch display panel</b>	A-3.6	3	18	Inbuilt functionality for Internet Ready	Please make it Inbuilt or External	No change
19		A-3.7	3	18	Inbuilt functionality is required for Wi-Fi readiness.	Please make it Inbuilt or External	No change
20	<b>A-4.1 : Display Systems</b>	A-4.1.1	3	18	Flat Panel LED backlit Display : Equal to or more than 80 inch Professional Grade Display Panel  Make: Samsung or Panasonic or Sony or Barco or Christie or Planar or Delta or LG or Sharp or Videocon	We request the concern authority to add the BENQ make in the 80" Touch Professional Grade Display Panel. BenQ is highly reputed brand in the touch screen category.	No change
21		A-4.1.1.8	3	18	Touch Screen should be supported	Change the specification to in-built touch screen to be supported, interactive display.	Please refer Corrigendum-I
22	<b>A-4.2: Audio Systems Two-Way Ceiling Speaker</b>	A-4.2.1.9	3	18	Woofer 6.5" or better	Woofer 6.5" or better (To be deleted)	No change
23	<b>A-4.2.2: High Impedance Power Amplifiers</b>	A-4.2.2	3	19	High Impedance Power Amplifiers Make: Crown (Harman) or QSC or Lab Gruppen or Extron or Bosch or Crestron	Remove the clause Crown and add JBL (Harman).	Please refer Corrigendum-I



24		A-4.2.2.3	3	19	THD: <0.1% or better	THD:< 0.5% or better (To be changed) //Genius & Nectar THD:<0.35% or better (To be changed) //HitechAudio	No change
25		A-4.2.2.4	3	19	SNR (S/N)= or > 100dB with +/- 5dB variation	SNR (S/N)=> 97 db +/- 5 db variation (To be changed)	Please refer Corrigendum-I
26		A-4.2.2.7	3	19	Amplifier Type - Class D/TD	Amplifier Type - Class D/TD or equivalent (To be changed)	No change
27	A-4.2.3 : 12x8 Digital Matrix Processors	A-4.2.3.2	3	19	Closed Architecture processor with fixed I/O	Closed/Open Architecture processor with fixed I/O ( To be changed)	Please refer Corrigendum-I
28		A-4.2.3.4	3	19	Up to 4 channels of configurable USB audio	Up to 4 channels of configurable USB Audio (Optional) (To be changed)	No change
29	A-4.2.4: Wireless Handheld Microphone	A-4.2.4.2	3	19	Frequency Response 80 Hz-16 KHz or better	Frequency Response 100 Hz- 15 KHz or better	Please refer Corrigendum-I
30		A-4.2.4.3	3	19	Receiver type 1-channel true diversity receiver (UHF)	Receiver type 1-channel diversity receiver (UHF) (To be changed)	Please refer Corrigendum-I
31		A-4.2.4.4	3	19	Features Auto scan/ACT function	Features Auto scan/ACT function or Fixed frequencies (To be changed)	No change
32		A-4.2.4.6	3	19	Presets (compatible frequencies of Tx/Rx) 12 or more	Presets (compatible frequencies of Tx/Rx) 8-12 or more (To be changed)	Please refer Corrigendum-I
33	A-4.2.5:Table Boundary Microphone	A-4.2.5.1	3	19	Condenser boundary mic (Cardioid/semi-cardioid)	Condenser boundary mic (Cardioid/ semi-cardioid/Half-cardioid) (To be changed)	No change
34		A-4.2.5.5	3	20	Phantom power supply: 8-52V	Phantom power supply: 8-52V/ 12-48V (To be changed)	Please refer Corrigendum-I