



Dt. 25-09-2017

Corrigendum-I

Single Tender Notice No.: -RailTel/Tender/ST/NR/LGH-BTI/ EMS of PDMUX /2017-18/07,  
Dated: 12.06.2017

SN No.	Details of Page No. of Tender Document	Description of the matter in the Tender Document	Now to be read as
1	Page No. 20	EMS for PD MUX (Item No. 1 of SOR): As per RDSO Specs. IRS TC-68/2004 (Amnd.I) or Latest.	<b>Specification of EMS for PD MUX (Item No. 1 of SOR):</b> 1. The Element Management system shall manage the PD MUX equipment. 2. It should be possible to simultaneously log on to the system through EMS console or Indirectly using any standard PC with Internet browser. In case any client software has to be loaded on the PC, this should be provided with Equipment. 3. The minimum hardware requirement of the EMS server to be supplied shall be as under: <u>Processor:</u> Intel Core i3 or better. <u>L2 Cache:</u> 6MB or More <u>RAM:</u> 4 GB DDR2 or better <u>HDD:</u> 500 GB or more SATA HDD <u>Additional features:</u> 10/100/1000 Integrated LAN, USB to serial port converter & 4 USB port, On board Video, On board Audio, ACPI V1.0b, PCI 2.2, Keyboard and Optical Scroll Mouse <u>Disk Drive:</u> DVD R/W <u>Monitor:</u> 18.5" LED Monitor <u>Operating System &amp; Anti-Virus:</u> As per Vendor's requirement & Anti Virus Software (latest) and necessary software for EMS. <b>Specification of Printer:</b> <b>Laser Printer model no. HP Laser Jet P1566 or Equivalent:</b> Monochrome Laser Printer with 600x600 dpi(1200 dpi),hi-speed USB port, processor speed 266 MHz, 2MB embedded inside SIP ASIC memory. <b>Specification of UPS with 10 Hrs Back-Up:</b> <u>Items Description:</u> GXT MT 2KVA LB EMERSON make or equivalent on line

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			<p><b>Double Conversion UPS System.</b></p> <p><u>Input</u></p> <ol style="list-style-type: none"> <li>1. Input System: 1-Phase, plus PE</li> <li>2. Rate Voltage: 200 VAC/ 230 VAC/240 VAC</li> <li>3. Voltage Range: (1) 160~300 VAC full load (2) 110 VAC half Load</li> <li>4. Frequency: 50 /60 Hz</li> <li>5. Power factor: 0.97 (conditions: rated voltages, full pure resistive load ,fully charged battery )</li> </ol> <p><u>Output</u></p> <ol style="list-style-type: none"> <li>1. Voltage: 200 VAC/ 230 VAC/240 VAC <math>\pm</math> 2%</li> <li>2. Line regulation: <math>\leq</math> 2% (0~100% linear load)</li> <li>3. Voltage harmonic distortion (rate input voltage, rate input frequency ): <math>\leq</math> 3% (0~100% linear load) <math>\leq</math> 6% (0~100% non- linear load)</li> <li>4. Dynamic Variation: &lt; 5% in 20 ms</li> <li>5. Frequency: 50/60 Hz <math>\pm</math> 0.2 Hz</li> <li>6. Frequency range: 46-54 Hz /56 -64 Hz</li> <li>7. Inverter overload capability: (in Normal mode, 25°C) 108%~ 150% 30 s &gt; 150% 300ms</li> <li>8. Crest factor: 3 : 1</li> <li>9. Bypass operating voltage: 80~264V</li> <li>10. Transfer Time: Normal&lt;-&gt; Battery : 0 ms</li> <li>11. DC component : <math>\leq</math> 200 Mv</li> <li>12. Efficiency: Battery Mode: <math>\geq</math> 83% (rate battery voltage, full linear load) Normal Mode: <math>\geq</math> 88% (rated mains voltage, battery fully charged)</li> </ol> <p>External Battery Voltage: 72 VDC Charging Current : 4A Battery : Qty x Volts x Capacity: 6X12X100 AH( Amara raja /Exide/HBL/ Microtex or similar) or higher capacity to ensure 10 Hrs back-up Battery : Charging duration: 80 % of battery capacity in 4 hrs (standard type) Protection : IP20 (static state)</p>
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*YP Singh Malik*  
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General Manager/Project/NR