



Electronics Corporation of Tamil Nadu Limited

**Rate Contract
Tender**

**Supply, Installation and
Commissioning of High End
Servers**

Tender Ref. ELCOT/Proc/OT/33135/High End
Servers and Related items /RC/2018-19
Tender Document

Corrigendum No.7 to the Tender Document

CORRIGENDUM TO THE TENDER DOCUMENT

The following Corrigendum to the Tender Document is hereby issued:-

S. N	Title of the clause	Existing	To be read as
1	Specifications: Item Code-33135-022- Intel Xeon Work Station (Desktop Type)	-	New item added -Specification given in Annexure -I (Partial quote allowed for this item)
2	Add on item – New -42U Rack (Server) Depth (1075mm) with earthing Kit and required Accessories.	-	Specification for 42U Rack (server) is enclosed in Annexure – 2, Sl.No.1 (The bidder who quotes for the rack server in the main item should quote for this item also)
3	Add on item – New - 42U Rack (Server) Depth (1200mm) with earthing Kit and required Accessories.	-	Specification for 42U Rack (server) is enclosed in Annexure – 2, Sl.No.2 (The bidder who quotes for the rack server in the main item should quote for this item also)

Note: (The above corrigendum is applicable to all other clauses which contains the respective terms in the tender document.)

Annexure – I

Code	Item Description	Approx Qty.
33135 -022	20 x Intel Xeon Desktop Type Workstations	1 Nos.

S. N	Parameter	20 x Intel Xeon Desktop Type Workstations
1	Processor	Intel Xeon E3-1230v6 processor (4-core, 3.5 GHZ, 8M, 72W)
2	Chipset	Intel C236
3	RAM	8 GB DDR4 -2400 ECC UDIMM (Max, 64GB, 4 DIMMs)
4	HDD(s)	1x 2000 GB, 7200 RPM Enterprise SATA HDDs (Max. 4)
5	ODD	1 x DVD-RW drive
6	NIC	2 x 1 Gigabit (10/100/1000 Mbps) Ethernet
7	Graphics	Intel HD Graphics P630
8	Exp.Slots	2 x PCI-Express x 16 (running at x 16/NA or x8/x8), 2 x PCI-Express x1, 2 x PCI
9	Ports	2 USB 3.1, 4 USB 3.0, 2 USB 2.0
10	Chassis	Mid-Tower
11	Power Supply	500W single power supply (80 PLUS Bronze)
12	Peripherals	24” Full HD LED Monitor, Keyboard, Mouse, Speakers
13	OS	Standard Linux 64-bits OS

1. 42U Rack Server (1075mm Depth)

S. N	Parameter	42 U Rack (Server) Depth (1075mm) with Earthing Kit and required Accessories
1	General requirements	<p>The Rack should be designed to provide Secure Store and stream line IT equipment's</p> <p>The unit should conform to DIN 41494 or Equivalent EIA /ISO / EN Standard</p>
2	Physical Specifications	<p>42U, 600mm x 1075mm or above for Server application</p> <p>Perforated front door, perforated split rear Door (depends on the DC), adjustable Chimney mounted on top cover, two (2) side panels, top Cover, four (4) vertical frame posts, four (4) adjustable 19" verticals , grounding and bonding accessories pre-installed by the manufacturer..</p>
3	Equipment Access & Installation	<p>The Rack should have 42U usable Space</p> <p>The Rack should have 4No's adjustable, 19" verticals with punched 10mm square hole and Universal 12.7mm-15.875mm-</p> <p>15.875mm alternating hole pattern offers greater mounting flexibility, with Numbered U positions,</p> <p>The OEM should include 20 No of Mounting hardware for equipment fixing.</p> <p>The front and rare doors should be easily detachable.</p> <p>The front and rear doors should open to allow easy access.</p> <p>The doors of the rack should be reversible such that it can be mounted on either side.</p> <p>The rear door should be split 2 doors</p> <p>The racks should have side panels which can be removed without using tools, using easy finger latches for fast access to cabling and equipment.</p> <p>Side panels should flush with the frame so the overall width (600/1200 or 800/1200) of the unit does not change with the side panels installed.</p> <p>OEM should include ganging kits for coupling racks</p>
4	Grounding Requirements	<p>All enclosure components i.e., doors, side panels, roofs, etc. should be bonded together and to rack ground point</p> <p>OEM to provide rack ground point, externally bond to building ground. Grounding and bonding as per UL Standards</p>

5	Ventilation and thermal Management	<p>The unit should have ventilated front and rear doors to provide adequate airflow required by the major server manufacturers.</p> <p>The unit should provide the means to mount optional cooling accessories for high- density.</p> <p>The manufacturer should provide blanking panel kit to prevent the Recirculation of hot exhaust air.</p>
6	Rack Power Distribution Units & Environmental monitoring Server Rack	<p>2 No's full length 32A Metered PDU with PDU level Monitoring and 20 of C13 and 4 of C19</p> <p>20 No of C13-14 Cables (10 No's – 2ft and 10No's – 1.5ft) and 4 No C19-20 Cables</p> <p>Front door current, humidity and rack No.LED disp</p>
7	Cable Management	The manufacturer should supply universal cable management arm
8	Certifications, Environmental and Safety Requirements	<p>Racks should be manufactured by ISO 9000 certified company</p> <p>Rack to be UL/WHEE/ RoHS compliant,/TAA compliant Listed</p> <p>Manufacturer must certify products are RoHS Compliance</p>
9	Warranty	3 Years OEM on-site and further 4 Years AMC

Add on Item:

2. 42U Rack Server (1200mm Depth)

S. N	Parameter	42 U Rack (Server) Depth (1200mm) with Earthling Kit and required Accessories
1	General requirements	<p>The Rack should be designed to provide Secure Store and stream line IT equipment's</p> <p>The unit should conform to DIN 41494 or Equivalent EIA /ISO / EN Standard</p>
2	Physical Specifications	<p>42U, 800X1200 or above for Server application</p> <p>Maximum height of 42U racks should be 2100mm</p> <p>Perforated front door, perforated split rear Door (depends on the DC), adjustable Chimney mounted on top cover, two (2) side panels, top Cover, four (4) vertical frame posts, four (4) adjustable 19" verticals , grounding and bonding accessories pre-installed by the manufacturer.</p>
3	Equipment Access & Installation	<p>The Rack should have 42U usable Space</p> <p>The Rack should have 4No's adjustable, 19" verticals with punched 10mm square hole and Universal 12.7mm-15.875mm-15.875mm alternating hole pattern offers greater mounting flexibility, with Numbered U positions,</p>

		<p>The OEM should include 20 No of Mounting hardware for equipment fixing.</p> <p>The front and rare doors should be easily detachable.</p> <p>The front and rear doors should open to allow easy access.</p> <p>The doors of the rack should be reversible such that it can be mounted on either side.</p> <p>The rear door should be split 2 doors</p> <p>The racks should have side panels which can be removed without using tools, using easy finger latches for fast access to cabling and equipment.</p> <p>Side panels should flush with the frame so the overall width (600/1200 or 800/1200) of the unit does not change with the side panels installed.</p> <p>OEM should include ganging kits for coupling racks</p>
4	Grounding Requirements	<p>All enclosure components i.e., doors, side panels, roofs, etc. should be bonded together and to rack ground point</p> <p>OEM to provide rack ground point, externally bond to building ground. Grounding and bonding as per UL Standards</p>
5	Ventilation and Tthermal Management	<p>The unit should have ventilated front and rear doors to provide adequate airflow required by the major server manufacturers.</p> <p>The unit should provide the means to mount optional cooling accessories for high- density.</p> <p>The manufacturer should provide blanking panel kit to prevent the Recirculation of hot exhaust air.</p>
6	Rack Power Distribution Units & Environmental monitoring Server Rack	<p>2 No's full length 32A Metered PDU with PDU level Monitoring and 20 of C13 and 4 of C19</p> <p>20 No of C13-14 Cables (10 No's – 2ft and 10No's – 1.5ft) and 4 No C19-20 Cables</p> <p>Front door current, humidity and rack No.LED disp</p>
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9	Warranty	<p>3 Years OEM on-site and further 4 Years AMC</p>