

Bid Document

Bid Details	
Bid End Date/Time	13-03-2019 15:00:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	60 (Days)
Ministry/State Name	Ministry Of Railways
Department Name	Na
Organisation Name	N/a
Office Name	Southern Region
Total Quantity	12
Item Category	Storage Server , Layer-3 Distribution Switch
Average Turnover (Last 3 Years)	91 Lakh (s)
OEM Average Turnover (Last 3 Years)	728 Lakh (s)
Experience with Government Required	2 Year (s)
MSE Exemption For Years Of Experience And Turnover	No
Startup Exemption For Years Of Experience And Turnover	No
Document required from seller	Experience with Government,Annual Turnover,Certificate (Requested in ATC),OEM Authorization Certificate,OEM Annual Turnover

Storage Server (10)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Specification	Form Factor	Rack	Rack
	Size (RU)	2	*
	Processor Make	Intel	Intel
	Maximum Number of sockets available on chipset	2	2.0 - 16.0 Or higher

Maximum Number of sockets populated with processor	2	2.0 - 16.0 Or higher
Number of cores per Processor	18	18, 20, 22, 24, 26, 28, 32 Or higher
Processor Configuration	Intel Xeon Gold 6140 (2 .30GHz/18-core/24.75M B/140W)	Intel Xeon Gold 6140 (2 .30GHz/18-core/24.75M B/140W)
Chipset compatible with CPU	C620 BOSS Card 240G	*
Expansion Slots Gen 3 (PCIe x1)	0	*
Expansion Slots Gen 3 (PCIe x4)	0	*
Expansion Slots Gen 3 (PCIe x8)	2	*
Expansion Slots Gen 3 (PCIe x16)	3	*
Type of RAM	DDR4	DDR4
RAM Size (GB)	384	384.0 - 16000.0 Or higher
RAM upgradable upto (GB)	3072	3072.0 - 24000.0 Or higher
DIMM Slots (No.)	24	*
Type of Hard Disk Drive	SAS,NL SAS,SSD	SAS, NL SAS, SSD
Total number of slots available for SSD drive	2	*
Number of Slots populated with SSD Drive	2	*
Capacity offered per SSD Drive (GB)	1600	*
Total number of slots available for SAS drive	0	*
Number of Slots populated with SAS Drive	0	*
Capacity offered per SAS Drive	0	*
SAS drive Speed (Hot plug or better) (RPM)	7200	*
Total number of slots available for NL SAS drive	10	*
Number of Slots	8	*

populated with NL SAS Drive		
Capacity offered per NL SAS Drive	4000	*
NL SAS drive speed (hot plug or better) (RPM)	7200	*
Total number of slots available for SATA drive	0	*
Number of Slots populated with SATA Drive	0	*
Capacity offered per SATA Drive	0	*
SATA drive speed (hot plug or better) (RPM)	7200	*
Total Storage Capacity offered	35.44	35.44 - 300.0 Or higher
RAID Controller Cache (GB)	1	*
RAID Level	0	*
RAID Controller Ports @12 Gbps	2	*
Video Controller (support VGA or above resolution)	Yes	*
Keyboard	No	*
Mouse	No	*
Bays (minimum 2 internal or more hot plug)	28	*
USB Ports (version 2.0/3.0)	4	*
Certifications, Compliance support by Windows, Red Hat or Novell	Yes	*
DVD ROM (or better)	8x or better	*
Network Card Supported	1G,10G	*
No of Network Ports	2x10G,2x1G,4 SFP+	*
Networking:dual LAN (10/100/1000) network card	Yes	*
FC HBA Dual port card	NA	*

FC HBA Dual port card Speed	NA	*
Power Management	Screen blanking, hard disk & system idle mode in power on, set up password, power supply surge protected	*
Redundant Power Supply	Yes	*
Redundant Fan	Yes	*
Server Main Supply	230 V +/-10%, 50 Hz	*
Declare SPEC int_rate_base 2006 & specfp_rate_2006 for 1,2,4,8 processor as applicable	Dual Root Trust	*
Maximum power consumption of the system (Watt)	750	*
Server scalability to be achieved within the box & without adding nodes	Yes	*
BIS Registration under CRS of Meity	Yes	*
BIS Registration number & its Validity	-	*
Other Certifications Available	24 x 7 x NBD support	*
RoHS Compliance	Yes	*
Availability of Type test reports from Central Govt / NABL /ILAC accredited lab covering verification of all the features & functional parameters & environmental tests sequences as under: a Dry heat test (For 16 hrs at a temperature of 45 degree C in accordance with IS: 90 00/part-3/section-5/197 7) b Cold test(For 4 hrs at a temperature of 0 degree C in accordance with IS: 9000/part-2/section-4/1977 c Damp Heat Cyclic Test (For 2 cycles of 24 hrs at a temperature of 40	-	*

degree C & 95% RH in accordance with IS: 9000/part-5/section-1/1981) Note:- The server shall be checked for all the parameters before conditioning, After completion of the above environmental tests sequence, with a recovery period of 1 to 2 hrs, the server shall be functional		
Name & address of Lab	-	*
Test Report No & date	-	*
On Site OEM Warranty (years)	3	3, 5 Or higher

* Bold specifications are the golden parameters.

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Peeru Chinnabbai	500071,Railtel Corporation Of India Ltd. 2nd Floor, B-Block, RailNilayam, Secunderabad, Telangana - 500071	10	30

Layer-3 Distribution Switch (2)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Generic	No of SFP/SFP+ Ports	24	24
	Type of SFP Port	10G	10G
	Support for 10 G SFP+ Port (Uplink)	Yes	Yes
	Number of 10G SFP+ Port (Uplink)	4	4
	Support for 40G (QSFP+)(Uplink)	Yes	Yes
	No. of 40 G QSFP+ Port (Uplink)	2	Any applicable numeric value

Support for 100 G QSFP+ Port (Uplink)	Yes	Yes
No. of 100 G QSFP+ Port	2	2
Support for Active Active High Availability	Yes	Yes
Redundant Power supply	available	*
Console Port	available	*
Management Port (RJ 45)	available	*
No. of FAN Tray	4	*
No. of Open slot for additional Interface Card	0	*
Operating System	Available	*
Stacking Port/Slot from day one	No	*
Switching Capacity (Non Blocking)(Gbps)	960	*
Throughput (MPPS)	720	*
Advance Layer-3 Protocol	Staticroute,OSPF,BGP	*
Security Feature	Radius , Tacacs,SSH, IPSEC , IEEE 802.1X	*
Management Protocol	SNMP, SSHv2 FTP, TFTP, SCP Syslog Port Mirroring RADIUS 802.1X Support Assist (Phone Home) Netconf	*
QoS	Diff Serv, 802.1P, 8 Qos queues, SP, WRR	*
Wattage (Watt)	300	*
Dimension / Form Factor(RU)	1	*
Operating Temperature Range (Degree C)	0° to 40°C	*
Operating Humidity (RH) (%)	10 to 85 non considering	*
IPv6 Ready from day one and dully certified	Yes	*
On Site OEM Warranty (Year)	3	3

* Bold specifications are the golden parameters.

Consignees/Reporting Officer and Quantity

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1	Peeru Chinnabbai	500071,Railtel Corporation Of India Ltd. 2nd Floor, B-Block, RailNilayam, Secunderabad, Telangana - 500071	2	30

EMD Detail

Advisory Bank	State Bank of India
EMD Percentage(%)	2.00
EMD Amount	364200

ePBG Detail

Advisory Bank	State Bank of India
ePBG Percentage(%)	10.00
Duration of ePBG required (Months).	39

Splitting

Bid splitting not applied.

Special terms and conditions for category Storage Server

1) As per notification of MEITY circulated vide letter no. F.No.33(1)/2017-IPHW..dated :14/09/2017, the minimum local content should be 40 percent to qualify as local or domestic manufacturer.

Buyer Specific Additional Terms and Conditions

- 1. Scope of supply (Bid price to include all cost components) :** Supply Installation Testing and Commissioning of Goods
- 2. Availability of service Centres :** Bidder /OEM must have Service Centre In the State of each Consignee's Location
- 3. Dedicated toll Free Telephone No. for Service Support :** BIDDER /OEM must have **Dedicated toll Free Telephone No. for Service Support**
- 4. Timely Servicing / rectification of defects during warrantee period:** After having been notified of the defects / service requirement during warrantee period, Seller has to complete the required Service / Rectification within time limit specified. If the Seller fails to complete service / rectification with defined time limit, a penalty of defined % of Unit Price of the product shall be charged as penalty for each week of delay from the seller. Seller can deposit the penalty with the Buyer directly else the Buyer shall have a right to recover all such penalty amount from the Performance Security (PBG).
 - (i) Time Limit for Service / Rectification of defects will be as defined in the SLA document for the service.
 - (ii) Penalty per week of delay as % of unit price of product will be as defined in the SLA document for the service.Seller to give compliance Yes / No while submitting bid.

5. Escalation Matrix For Service Support : Bidder /OEM must provide **Escalation Matrix of Telephone Numbers for Service Support**

6. The Purchaser reserves the right to increase or decrease the ordered quantity up to 25 percent at the time of placement of contract . The purchaser also reserves the right to increase the contracted qty up to 25% during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly

7. Malicious Code Certificate:

The seller should upload following certificate in the bid:-

(a) This is to certify that the Hardware and the Software being offered, as part of the contract, does not contain Embedded Malicious code that would activate procedures to :-

(i) Inhibit the desires and designed function of the equipment.

(ii) Cause physical damage to the user or equipment during the exploitation.

(iii) Tap information resident or transient in the equipment/network.

(b) The firm will be considered to be in breach of the procurement contract, in case physical damage, loss of information or infringements related to copyright and Intellectual Property Right (IPRs) are caused due to activation of any such malicious code in embedded software.

[This Bid is also governed by the General Terms and Conditions](#)

---Thank You---