

Bid Document

Bid Details	
Bid End Date/Time	06-06-2019 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	2
Item Category	Storage System
Average Turnover (Last 3 Years)	83 Lakh (s)
OEM Average Turnover (Last 3 Years)	664 Lakh (s)
Experience with Government Required	1 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
Bid to RA enabled	No

Storage System (2)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Specification	Storage System Type	Enterprise SAN	Enterprise SAN
Group2	Storage Capacity (TB)	500	500.0 - 5000.0 Or higher
Group3	Hardware Form Factor	7	*

	of Storage System (RU)		
Disk	Disk Type	SSD,NL-SAS,SAS	SSD, NL-SAS, SAS
	Speed of dual ported disk drive in Gbps	12	*
	Total Numbers of Drive Slots	108	*
	Number of Drive Slots Populated with drives of different type in the Storage System	106	106
	Total no of drive slot populated with SSD	22	*
	Total no of drive slot populated with Flash Drive	0	*
	Total no of drive slot populated with SAS	33	*
	Total no of drive slot populated with NL-SAS	51	*
	Drive Type Wise Storage Capacity of System in GB	-	*
	Automated Storage tiering feature across the populated Drives types(in case of multiple drive system)	Yes	Yes
	Automated Storage tiering Software License Included	Yes	*
	Hot Spares	Yes	*
	Number of Populated Disks per Hot Spare	30	*
	Provision for additional Capacity	No	*
Connectivity/Port	Type of Front end Ports	-	*
	Number of Front end Ports	4	4
	Speed of front end Ports in Gbps	16	More than 16.0 Or higher
	Type of Back end Ports	-	*
	Number of Back end Ports	2	More than 2.0 Or higher
	Speed of Back end ports in Gbps	12	More than 12.0 Or higher

	Number of Remote Replication Ports(FC/Ethernet)	NA	*
Controllers	Number of Controllers/VSD/ Node available in the storage System on common back plane without using external switch/device OR without common backplane using switches	2	More than 2.0 Or higher
	RAID Level Support	0,1,5,6,01,10	*
	Active-Active Controllers Configured in HA	Yes	*
	Active Stand by Controller Configured in HA	No	*
System Cache	Cache Availability Type	NA	NA
	Total Configurable Cache (GB)	16	16
Group4	Wide Stripping or equivalent feature	Yes	*
Group5	No of Snapshot Copies Per Volume	255	*
	License for Snapshot included	Yes	*
Data Replication	Remote Replication	Yes	*
	Remote Replication license included	Yes	*
	Synchronized Replication Support	No	*
	Synchronous Replication license included	No	*
	Asynchronous Replication Support	Yes	*
	Asynchronous Replication license included	Yes	*
	3-DC Zero Data Loss Support	No	*
Group6	Type of Data Compression	NA	*

	Type of Data Deduplication	NA	*
	No Single point of Failure with Non-Disruptive replacement of Hardware	No	*
	The Storage provide Non disruptive Firmware /Microcode upgrade	Yes	*
	Firmware upgrade without any controller reboot	No	*
Encryption Mode	Encryption Required	No	*
	Type of Data at Rest Encryption	Drive Based	*
Group7	Storage management software for configuration and multi-pathing(part of the supply).	YES	*
Group8	Multi-pathing and load balancing and fail over software (part of supply) with license for windows/Linux servers or shall support native multipathing of OS.	YES	*
Group 9	Protocols Supported by the storage system from day one	-	*
Group 10	Operating System Platform and Clustering Supported by the Storage from day one	-	*
Group11	Operating Temp Range	-	*
Group12	Storage Temp Range	-	*
Group13	Operating Humidity (Rh)	-	*
Group14	Storage Humidity (Rh)	-	*
Group15	BIS Registration under CRS of MeiTY	Yes	*
	If Yes, BIS Registration No under CRS of MeiTY otherwise indicate N/A	-	*
	BIS Registration Certificate shall be furnished when demanded by the	Yes	*

	buyer		
Group16	Storage System is compliant with IPv6	Yes	*
Group17	Standby power consumption of System in Watt	-	*
Group18	Scope of Supply	It includes installation, commissioning & integration together with all necessary software to make the system fully functional as intended.	*
Group19	On Site OEM Warranty	3	3

* 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	2	45

EMD Detail

Advisory Bank	State Bank of India
EMD Percentage(%)	2.00
EMD Amount	332000

ePBG Detail

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

Splitting

Bid splitting not applied.

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. 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

3. 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.

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

5. **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.

6. **Dedicated toll Free Telephone No. for Service Support** : BIDDER /OEM must have **Dedicated toll Free Telephone No. for Service Support**

7. **Pre-dispatch inspection / testing at Seller premises** : Before dispatch, the goods will be inspected and tested by Buyer / Consignee or their Authorized Representative / Nominated External Inspection Agency by Buyer (Fee/Charges taken by the External inspection Agency shall be borne by the Buyer) at Seller's premises for their compliance to the contract specifications. The Sellers will provide necessary testing facilities and shall bear cost of in house testing required, if any. Seller shall notify the Buyer through e-mail about readiness of goods for pre-dispatch inspection and Buyer will notify the Seller about the Authorized Representative/ Nominated External Inspection Agency and the date for testing. The goods would be dispatched to consignee only after clearance in pre-dispatch inspection. Consignee's right of rejection as per GTC in respect of the goods finally received at his location shall in no way be limited or waived by reason of the goods having previously been inspected, tested and passed by Buyer/ Consignee or its Nominated External Inspection Agency prior to the goods' shipment.

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

---Thank You---