



Bid Number: GEM/2020/B/704362  
Dated: 11-07-2020

### Bid Document

Bid Details	
Bid End Date/Time	21-07-2020 17:00:00
Bid Opening Date/Time	21-07-2020 17:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	30 (Days)
Ministry/State Name	Ministry Of Railways
Department Name	Na
Organisation Name	Rail Coach Factory Kapurthala
Office Name	Kapurthala
Total Quantity	1
Item Category	Storage System
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Document required from seller	Certificate (Requested in ATC), OEM Annual Turnover *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
Bid to RA enabled	No
Inspection Required	No

### EMD Detail

Required	No
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### ePBG Detail

Advisory Bank	State Bank of India
ePBG Percentage(%)	2.00
Duration of ePBG required (Months).	36

(a). EMD & Performance security should be in favour of Beneficiary, wherever it is applicable.

**Beneficiary:**

DY.CMM/G  
Kapurthala, Rail Coach Factory Kapurthala, Ministry of Railways  
(Lalit Kumar)

## Splitting

Bid splitting not applied.

## Storage System ( 1 pieces )

### Technical Specifications

[\\* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Specification	<b>Storage System Type</b>	Unified Storage	Unified Storage
Group2	<b>Storage Capacity (TB)</b>	300	300.0 - 5000.0 Or higher
Group3	Hardware Form Factor of Storage System (RU)	8	*
Disk	<b>Disk Type</b>	NL-SAS	NL-SAS
	Speed of dual ported disk drive in Gbps	12	*
	Total Numbers of Drive Slots	48	*
	<b>Number of Drive Slots Populated with drives of different type in the Storage System</b>	24	24
	Total no of drive slot populated with SSD	0	*
	Total no of drive slot populated with Flash Drive	0	*
	Total no of drive slot populated with SAS	0	*
	Total no of drive slot populated with NL-SAS	24	*
	Drive Type Wise Storage Capacity of System in GB	-	*
	<b>Automated Storage tiering feature</b>	No	No

	<b>across the populated Drives types( in case of multiple drive system)</b>		
	Automated Storage tiering Software License Included	No	*
	Hot Spares	No	*
	Number of Populated Disks per Hot Spare	0	*
	Provision for additional Capacity	Yes	*
	If Yes, Number of Drive Slots available to achieve additional capacity	-	*
Connectivity/Port	Type of Front end Ports	-	*
	<b>Number of Front end Ports</b>	2	2
	<b>Speed of front end Ports in Gbps</b>	10	More than 10.0 Or higher
	Type of Back end Ports	-	*
	<b>Number of Back end Ports</b>	2	More than 2.0 Or higher
	<b>Speed of Back end ports in Gbps</b>	6	More than 6.0 Or higher
	Number of Remote Replication Ports( FC/Ethernet)	NA	*
Controllers	<b>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</b>	1	1
	RAID Level Support	0,1,5,6,10	*
	Active-Active Controllers Configured in HA	No	*
	Active Stand by Controller Configured in HA	No	*
System Cache	<b>Cache Availability</b>	NA	NA

	<b>Type</b>		
	<b>Total Configurable Cache (GB)</b>	64	64
Group4	Wide Stripping or equivalent feature	Yes	*
Group5	No of Snapshot Copies Per Volume	4	*
	License for Snapshot included	Yes	*
Data Replication	Remote Replication	Yes	*
	Remote Replication license included	No	*
	Synchronized Replication Support	No	*
	Synchronous Replication license included	No	*
	Asynchronous Replication Support	Yes	*
	Asynchronous Replication license included	No	*
	3-DC Zero Data Loss Support	No	*
Group6	Type of Data Compression	S/W Level	*
	Type of Data Deduplication	S/W Level	*
	No Single point of Failure with Non-Disruptive replacement of Hardware	No	*
	The Storage provide Non disruptive Firmware /Microcode upgrade	No	*
	Firmware upgrade without any controller reboot	No	*
Encryption Mode	Encryption Required	No	*
	Type of Data at Rest Encryption	NA	*
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			
Group12			
Group13			
Group14			
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 buyer	Yes	*
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	<b>On Site OEM Warranty</b>	3	3

\* Specifications highlighted in bold are the Golden Parameters.

\* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement ( allowed Values) by the Buyer.

#### Additional Specification Documents

**Consignees/Reporting Officer and Quantity**

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Pravin Srivastava	144602,I.T Office, Administrative Building Rail coach Factory, Kapurthala	1	30

**Bid Specific Additional Terms and Conditions**

1. Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods
2. Warranty period of the supplied products shall be 3 years from the date of final acceptance of goods or after completion of installation, commissioning & testing of goods (if included in the scope of supply), at consignee location. OEM Warranty certificates must be submitted by Successful Bidder at the time of delivery of Goods. The seller should guarantee the rectification of goods in case of any break down during the guarantee period. Seller should have well established Installation, Commissioning, Training, Troubleshooting and Maintenance Service group in INDIA for attending the after sales service. Details of Service Centres near consignee destinations are to be uploaded along with the bid

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

**---Thank You---**