

### Bid Document

Bid Details	
Bid End Date/Time	10-07-2020 18:00:00
Bid Opening Date/Time	2020-07-10 18:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	75 (Days)
Ministry/State Name	Ministry Of Power
Department Name	Contracts And Materials
Organisation Name	Ntpc Ltd
Office Name	Western Region I Shared Services Centre
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
Bid to RA enabled	No
Inspection Required	No

### EMD Detail

Required	No
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### ePBG Detail

Required	No
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### 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>	32	32.0 - 5000.0 Or higher
Group3	Hardware Form Factor of Storage System (RU)	4	*
Disk	<b>Disk Type</b>	NL-SAS	NL-SAS
	Speed of dual ported disk drive in Gbps	6	*
	Total Numbers of Drive Slots	4	*
	<b>Number of Drive Slots Populated with drives of different type in the Storage System</b>	4	4
	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	4	*
	Drive Type Wise Storage Capacity of System in GB	-	*
	<b>Automated Storage tiering feature across the populated Drives types( in case of multiple drive system)</b>	Yes	Yes
	Automated Storage tiering Software License Included	Yes	*
	Hot Spares	Yes	*
	Number of Populated Disks per Hot Spare	0	*
	Provision for additional Capacity	No	*
	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>	1	1
	<b>Speed of front end Ports in Gbps</b>	2	More than 2.0 Or higher
	Type of Back end Ports	-	*
	<b>Number of Back end Ports</b>	4	More than 4.0 Or higher
	<b>Speed of Back end ports in Gbps</b>	1	More than 1.0 Or higher
	Number of Remote Replication Ports( FC/Ethernet)	2	*
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	0,1,5,10	*
	Active-Active Controllers Configured in HA	No	*
	Active Stand by Controller Configured in HA	No	*
System Cache	<b>Cache Availability Type</b>	Global	Global
	<b>Total Configurable Cache (GB)</b>	8	8
Group4	Wide Stripping or equivalent feature	No	*
Group5	No of Snapshot Copies Per Volume	255	*
Data Replication	Remote Replication	Yes	*
	Remote Replication license included	Yes	*
	Synchronized Replication Support	Yes	*
	Synchronous	Yes	*

	Replication license included		
	Asynchronous Replication Support	No	*
	Asynchronous Replication license included	No	*
	3-DC Zero Data Loss Support	No	*
	If Yes, Supported Replication Topology for 3-DC Zero Data Loss	-	*
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	Yes	*
Encryption Mode	Encryption Required	Yes	*
	Type of Data at Rest Encryption	SW 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 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>	5	5

\* 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	Rajeshkumar Rameshchanra Shah	392215,NTPC Limited, Jhanor Gandhar Gas Power Project, PO Urja Nagar, Jhanor	1	30

### Bid Specific Additional Terms and Conditions

1. Scope of supply (Bid price to include all cost components) : Only supply of Goods

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

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