

भारत सरकार  
जल शक्ति मंत्रालय  
जल संसाधन नदी विकास एवं गंगा संरक्षण  
विभाग  
केंद्रीय जल आयोग  
सॉफ्टवेयरप्रबंधननिदेशालय



Government of India  
Ministry of Jal Shakti  
Dept. of Water Resources, RD&GR  
Central Water Commission  
Software Management Directorate

**CORRIGENDUM**

**Sub:** Procurement of disaster recovery, automatic backup software etc for DC-DR System and its implementation service through GeM –reg.

With reference to *GeM Bid No: GEM/2020/B/761891* dated: 25-08-2020, the replies to the queries submitted by bidders and further clarifications on the Terms and Conditions of the Bid are enclosed for kind information.

Enlc: As above.

Signature valid

Digitally signed by SYED  
FAHEEM ANDER ABIDI  
Date: 2020.09.15 14:46:42  
IST

(S F H Abidi)  
Deputy Director

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♣जल संरक्षण-सुरक्षित भविष्य♣



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♣Conserve Water- Save Life♣

**Minutes of the meeting of the Technical Committee for Finalization of Specifications, Golden Parameters and Bidding Parameters for Procurement of Disaster Recovery Software, Automatic Backup Software etc. for DC-DR System and its Implementation Services through GeM Portal held on 08-09-2020.**

The bid for procurement of Disaster Recovery Software, Automatic Backup Software etc for DC-DR system was floated on GeM portal vide Bid Number: GEM/2020/B/761891 dated 25/08/2020. List of members present in the meeting is enclosed at Annexure-I. After floating of bid on GeM portal, various queries have been received from vendors via email. In this regard a meeting of the Technical Committee Constituted vide O.M.No.S-14023/1/2019-S M Dte dated 27.01.2020 for Finalization of Specifications, Golden Parameters and Bidding Parameters for Procurement of Disaster Recovery Software, Automatic Backup Software etc. for DC-DR System and its Implementation Services through GeM Portal ( as per Rule 149 of GFRs 2017) was held on 08/09/2020 in the SMD class room. After detailed discussions, the reply to the queries raised by bidders and other clarifications have been finalised as under:

Sl.No.	Subject	Tender Value	Queries by bidders	Reply
1.	Configured usable capacity of offered Purpose Built Backup Appliance (in TB) (Hint :- Select '0' if not applicable ) *:	14 TB	It should be Zero in DC Site and 10 TB in DR site/200 TB	A total of two backup appliances, one at New Delhi and other at Pune are required. Configured usable capacity of the individual appliance should not be less than 10 TB.
2.	Configured usable capacity of Purpose Built Backup Appliance with Backup and Recovery Software (in TB) (Hint :- Select '0' if not applicable ) *	10 TB	It should be 10TB in DC Site and Zero in DR site./ 11 TB	
3.	Maximum Scalable Capacity (TB) (Hint :- Select '0' if not applicable ) *:	10 TB or higher	Ideally it should be 3 times of current requirement/ 200TB	25 TB or higher.

*Reminders*      

Sl.No.	Subject	Tender Value	Queries by bidders	Reply
4.	Training Options	On-Site., Virtual., Training Material, NA	Training Material	On-Site Training by OEM will have to be provided however if not possible due to social distancing constraints, Virtual Training by OEM will be allowed. Detailed Training Material is to be provided mandatorily.
5.	Max rated Appliance Throughput without Source/Client-side Deduplication (in TB /hour)	20 TB/Hr	10 TB	20 TB
6.	Max rated Appliance Throughput without Source/Client-side Deduplication (in TB /hour)(Hint :- Select '0' if not applicable )	20 TB/Hr	8 TB /Hr. will be good enough throughput to complete 10TB source data full backup within few hours.	8 TB
7.	Rack space (U)	2.0 or lower	Rack Space should be 2U/ 4U	Already taken as 2U or lower
8.	Database Supported by offered product.	Oracle,DB2,Sybase,MySQL, PostgreSQL,MSSQL,NOSQL	In this case Oracle DBA is not required	As per bid document.
9.	Platform supported for Bare Metal Recovery.	Windows OS / Linux OS / Unix OS	Windows only	As per bid document.
10.	Backup Appliance Features	Integrated and Customizable Data Duplication (Source & Target) All types deduplication across all backup jobs. Fixed length de-duplication	Deletion of following Clause: 1. Integrated and Customizable Data Duplication (Source & Target). 2. Fixed length de-duplication 3. Int. Backup Manager / Master Server Component.	As per bid document.

*Reminders*

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Sl.No.	Subject	Tender Value	Queries by bidders	Reply
		Variable length de-duplication Flexible Recovery options File level Replicator Remote Data Recovery Hardware Snapshot integration Checkpoint restart for backup and restore Secure Multi tenancy features which provides separate logical space for each tenant. Separate retention support for source and replication target. Int. Backup Manager / Master Server Component. Int. Backup Media Agent / Server Component. Direct tape out from appliance. Built in security software with Appl. Built in WAN Acceleration / WAN optimization. Mix of De-Duplication and Non Deduplication Pool on Backup Appl. Storage. Backup to Cloud.	4. Int. Backup Media Agent / Server Component. 5. Direct tape out from appliance. 6. Built in security software with Appl. 7. Mix of De-Duplication and Non Deduplication Pool on Backup Appl. Storage. 8. Backup to Cloud.  Delete Request	
11.	Retention policy of the offered product ( in Months) (Hint :- Select '0' if not applicable)	Minimum 36 Months.	Retention period should be 36/60/84	Retention policy should be minimum upto 36 months.
12.	Number of 1G Ethernet Ports (Hint :- Select '0' if not applicable)	2	1	As per bid document.

*Reminders* 

Sl.No.	Subject	Tender Value	Queries by bidders	Reply
13.	Number of 10G Ethernet Base-T Ports (Hint :- Select '0' if not applicable)	2	4	As per bid document.
14.	Number of 10G SFP/SFP+ Ports (Hint :- Select '0' if not applicable) *	2	0	As per bid document.
15.	Total Throughput of Fiber Channel ( in Gbps) in the offered product (Hint :- Select '0' if not applicable) *	16 GB	Please remove this point and select in point of 16 GB fibre ports./ 16 FC interface is not the correct Interface count, 16 could be the FC interface speed. Kindly change it to 2 Qty.	As per bid document.
16.	RAID Level Inbuilt in the offered product (Hint :- Select '0' if not applicable)	RAID 6 equivalent	RAID 6.	As per bid document.
17.	Protocol supported by Backup appliance *	NA	Please select FC, CIFS, NFS, VTL & OST protocols.	As per bid document.
18.				
19.	EMD Exemption	"EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. "	Are service providers exempted from EMD.	As the bid is for appliance (goods) and as per above clause only Manufacturers (OEMs) are eligible for EMD exemption.
20.	General		As you had asked for Backup Software and Appliance.	Backup, replication Software and

Reminders

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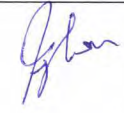




Jhan

Suresh

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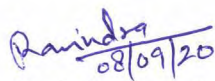
Sl.No.	Subject	Tender Value	Queries by bidders	Reply
			Please clarify that both solutions could be from different OEM's	Appliance should be of same OEM
21.			DNS Solution had been asked for Application availability whereas for Data Availability we need replication solution. So please confirm the same is required or not. If YES then could it be from different OEM than Backup Software.	Yes it is required. If the Data Centre (DC) is down due to any disaster or failover, the Data Recovery (DR) site should immediately takeover the entire function of DC site with no interruption in functioning of the system at the user's end. For this purpose if any accessories are required (DNS solution etc.), they will have to be integrated and provided by the Vendor in the quoted cost. The DNS solution can be from different OEM.
22.			What should be RPO / RTO for provided replication solution.	RPO: 15 minutes RTO: 30minutes
23.			As today most of Backup Software should be capable to Global De-duplication as it helps organization to take backup and makes backup agnostic of Storage vendor. So intended to understand that do we need this feature or not.	As per bid document.
24.			Do we have to propose Archival Solution along with Backup Solution. If YES then does it needs to be managed by same console of backup or different console.	Archival solution must be available and integrated in the system.
25.			Live Demo of the product.	During technical evaluation of the offered product, Live Demo of the product might be required.
26.			Details of existing hardware including for New Delhi and Pune.	Existing Hardware (Both DC & DR): a. HP Server, 2 Nos, HPE DL380 Gen10. b. HPE 3PAR StoreServ 8400 Storage. 2 Nos

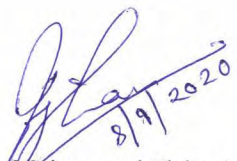










Sl.No.	Subject	Tender Value	Queries by bidders	Reply
	Other Clarifications issued by Department.			c. HP Tape Library, 2 Nos, HPE & HPE StoreEver MSL2024 Tape Libraries. d. SAN Switch with HA, 4 Nos, HPE SN3000B San Switch. e. Layer 2 Switch, 2 Nos, CISCO & C1-C2960X-24TD-L. f. Firewall with HA, 4 Nos, Sophos XG 230. g. CISCO Router, 2 Nos, CISR - 4431-IPB-N-1.
27.			Additional Accessories.	The details of hardware available with CWC have been detailed above. Any other accessories in form of hardware or software required to make the system functional as per the requirement for integration of the system has to be provided by the bidder for which the corresponding costs should be included in the final price.

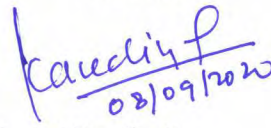
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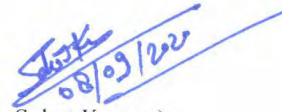
  
(Sh. Khushvinder)  
Junior Engineer  
S M Dte

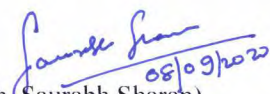
  
(Sh. Ravindra Kumar)  
Assistant Director-II  
S M Dte


  
(Sh. Mohammad Zishan)  
Assistant Director  
D S R Dte

  
(Sh. Naveen Kumar Sharma)  
Deputy Director  
RDC-I Dte

  
(Sh. A P Kandiyal)  
Deputy Director  
PCP Dte

  
(Sh. Saket Kumar)  
Deputy Director  
S M Dte

  
(Sh. Saurabh Sharan)  
Deputy Director  
D S R Dte

  
(Sh. S.F.H. Abidi)  
Deputy Director  
S M Dte



**64294/2020/ DD-I(SM DTE)**

**Minutes of the Meeting of the Technical Committee Constituted vide O.M.No.S-14023/1/2019-S M Dte dated 27.01.2020 for Finalization of Specifications, Golden Parameters and Bidding Parameters for Procurement of Disaster Recovery Software, Automatic Backup Software etc. for DC-DR System and its Implementation Services through GeM Portal ( as per Rule 149 of GFRs 2017)**

**List of Members present in the meeting of the Technical Committee for Finalization of Specifications for procurement of Disaster Recovery Software, Automatic Backup Software held on 08/09/2020.**

<b>Sl.No.</b>	<b>Name</b>	<b>Designation</b>	<b>Office</b>
1.	Sh. S.F.H.Abidi	Deputy Director	SM Dte
2.	Sh. Saurabh Sharan	Deputy Director	DSR Dte
3.	Sh. Saket Kumar	Deputy Director	SM Dte
4.	Sh. A P Kandiyal	Deputy Director	PCP Dte
5.	Sh. Naveen Kumar Sharma	Deputy Director,	RDC-I Dte
6.	Mohammed Zishan	Assistant Director	DSR Dte
7.	Sh. Ravindra Kumar	Assistant Director-II	SM Dte
8.	Sh. Khushvinder	Junior Engineer	SM Dte