

**E-Tender Extension No.2 (3rd call) Notice****Date:22.06.2022**

MSETCL invites digitally signed online bids for following tender from registered contractors, agencies on GeM Portal <https://gem.gov.in> for following works

Bid No. : GEM/2022/B/2207420					
Name of Work: Supply, Installation, Testing & commissioning of Backup Appliance with Software and Tape Library for software applications, Servers & all Desktop PC's at SLDC Airoli(With 3 years warranty & on-site support).					
Estimated Cost (Rs)	EMD (Rs)	Bid Start Date	Closing Date (Submission)	Tender (Technical) Opening dt.	Commercial opening date
99,50,000/-	99,500/-	22.06.2022 11.00Hrs.	29.06.2022 21.00Hrs.	30.06.2022 (Tentative)	01.07.2022 (Tentative)

Contact Person: DGM(IT), Maharashtra State Load Dispatch Centre, MSETCL, Thane-Belapur Road. At & Post Airoli, Navi Mumbai - 400708.
Tel. no. 022- 27602937 Extn: 1007/5007

Sd/-
(Julee Wagh)
Chief Engineer
MSLDC, Airoli, M.S.E.T.C.L

Annexure-A

Response for the Queries for Bid No-GEM/2022/B/2207420 (SITC of Backup Appliance with Software and Tape Library for software applications, Servers & all Desktop PC's at SLDC Airoli.)

Sr. No	Bidder Name	Specification Clause No.	Description as per RFP (Appliance Specifications)	Change Requested By Bidder	Justification By Bidder	MSLDC Response
1	i) M/S Pace Business Machines Pvt.Ltd. ii)M/S Cygnus Information Solutions Pvt.Ltd.	1	Proposed backup appliance should be quoted for 25 TB usable capacity.	Proposed purpose built backup appliance (PBBA) should be sized appropriately for backup of front end data XX TB (30% DB and 70% File System) data as per below mentioned backup policies. a. Daily incremental backup – retained for 4 weeks in PBBA. b. Weekly full backup for all data types – retained for 1 month in PBBA. c. Monthly full backups – retained for 12 months in PBBA. The purpose built backup appliance should be quoted with adequate capacity considering 3% daily change rate for entire duration of 5 years warranty. Any additional software, backup storage capacity (in addition to minimum XX TB usable capacity) and any other component required as per sizing needs to be provided by the OEM & bidder at the time of bid. Bidder must provide a sizing certificate showcasing these sizing consideration on the OEM's letter head with seal and sign from the authorised signatory.	Each OEM does the deduplication differently. Hence it is necessary to have the sizing documented for everyone to do the backup sizing appropriately. Hence request you to incorporate the proposed changes.	No Change. Clarification: Bidder can provide 25 TB usable purpose build backup appliance or more. It should not be virtual appliance.
2	i) M/S Pace Business Machines Pvt.Ltd. ii)M/S Cygnus Information Solutions Pvt.Ltd.	2	Proposed backup appliance should store single copy for both backup and file archival setup based on access time, file size, file type or both.	Proposed purpose built backup appliance should support global and inline data duplication using automated variable block length deduplication technology to optimize the backup storage consumption.	This specification is OEM specific (Commvault), Hence request you to incorporate the proposed change	No change. Clarification: Multiple OEMs have solution to store single copy for both backup and file archival.
3	i) M/S Pace Business Machines Pvt.Ltd. ii)M/S Cygnus Information Solutions Pvt.Ltd.	3	The proposed backup appliance should have inbuilt disk capacity which is seamlessly expandable to 75 TB usable without cloud tier extension.	Proposed purpose built backup appliance should be offered with protocols like VTL, OST, CIFS and NFS. All of the protocols should be available to use concurrently with global deduplication for data ingested across all of them. Backup appliance should be offered with 5x scalability to the proposed capacity at Day 1.	Backup protocols support is must for the appliance to work efficiently. Hence request you to incorporate the proposed change.	No change. Clarification: MSLDC need backup appliance with inbuilt disk capacity of 25 TB which can be expandable to 75 TB or more. Bidder can select appliance which can be disk base or VTL with OST, CIFS and NFS protocol.
4	i) M/S Pace Business Machines Pvt.Ltd. ii)M/S Cygnus Information Solutions Pvt.Ltd.	4	The proposed disk appliance solution should be compatible with different version of Windows, Linux and UNIX platform to performs backup.	Proposed backup software should be available on various OS platforms like Windows, Linux, HP-UX, IBM AIX, Solaris etc. The backup server should be compatible to run on both Windows and Linux OS platforms	OS support for security and current/Future requirement.	No change. Clarification: Bidder can propose appliance which supports backup of various OS like Windows, Linux, HP-UX, IBM AIX, Solaris etc. Backup server can be on Windows or Linux platform to meet all mentioned specifications.

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5	i) M/S Pace Business Machines Pvt.Ltd. ii)M/S Cygnus Information Solutions Pvt.Ltd.	5	The proposed backup appliance shall be offered with 25 TB of usable disk storage capacity for main site.	The proposed appliance should be sized as per the sizing shared in SR.No1	Each OEM does the deduplication differently. Hence it is necessary to have the sizing documented for everyone to do the backup sizing appropriately. Hence request you to incorporate the proposed changes.	No Change. Clarification: Bidder can provide 25 TB usable purpose built backup appliance or more. It should not be virtual appliance.
6	i) M/S Pace Business Machines Pvt.Ltd. ii)M/S Cygnus Information Solutions Pvt.Ltd.	6	Proposed appliance should be offered with no single point of failure (NSPOF). It should have dual controller/Nodes in active-active mode, redundant NIC cards and redundant power supply.	Proposed appliance should be offered with no single point of failure (NSPOF) with redundant NIC cards and redundant power supply & cooling FAN. Or It should have dual controller/Nodes in active-active mode. The architecture should ensure no reduction in capacity or performance in case redundant node goes faulty.	The current specification is limiting & does not allow us to participate. Hence request you to incorporate the proposed changes.	No change. Clarification: It's a general specification of purpose built backup appliance meet by multiple OEMs.
7	i) M/S Pace Business Machines Pvt.Ltd. ii)M/S Cygnus Information Solutions Pvt.Ltd.	7	Proposed appliance should support backup throughput of 10 TB/hr when enabled with source and target level de-duplication.	Proposed appliance should support backup throughput of 30 TB/hr when enabled with source and target level de-duplication.		No change. Clarification: Bidder can propose appliance of minimum 10 TB/hr throughput or above when enabled with source and target level de-duplication.
8	i) M/S Pace Business Machines Pvt.Ltd. ii)M/S Cygnus Information Solutions Pvt.Ltd.	8	Backup appliance system should have dashboard to provide complete view.	Backup solution system should have dashboard to provide complete view.	The current specification is limiting & does not allow us to participate. Hence request you to incorporate the proposed changes.	No change. Clarification: All major OEMs support this clause.
9	i) M/S Pace Business Machines Pvt.Ltd. ii)M/S Cygnus Information Solutions Pvt.Ltd.	9	Proposed backup appliance should be offered with data deletion utility complied with USD and BSI, redundant hot-swappable disks, node/controller redundancy, redundant power supply and fans.	Please remove this specification	The current specification is limiting & does not allow us to participate. Hence request you to incorporate the proposed changes.	No change. Clarification: Most of the appliance have inbuilt functionality to delete data from disk which is useful when its EOL. Bidder can use different methods to delete data and certify.
10	i) M/S Pace Business Machines Pvt.Ltd. ii)M/S Cygnus Information Solutions Pvt.Ltd.	10	Backup solution must have network resilience feature with WAN optimization/network throttling, which can be used for remote site backup in case of low bandwidth.	Backup solution must have network resilience feature with WAN optimization/network throttling, which can be used for remote site replication in case of low bandwidth.	The current specification is limiting & does not allow us to participate. Hence request you to incorporate the proposed changes.	No change. Clarification: All major OEMs support this clause along with bandwidth throttling.

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11	i) M/S Pace Business Machines Pvt.Ltd. ii)M/S Cygnus Information Solutions Pvt.Ltd.	11	Proposed appliance should have single data repository for various backup and archival requirement of servers, desktop laptop, file share and sync, flat file archival for long term retention with direct seamless access.	Please remove this specification	The current specification is limiting & does not allow us to participate. Hence request you to incorporate the proposed changes.	No change. Clarification: Multiple OEM meet this specification.
12	i) M/S Pace Business Machines Pvt.Ltd. ii)M/S Cygnus Information Solutions Pvt.Ltd.		New Proposed specification	The proposed backup software should have the capability to enable WORM on the backup sets from the backup software console on proposed disk backup appliance. The implementation should ensure that no data can be deleted on the backup appliance even by the administrator accidentally or intentionally. The solution should also protect against NTP attacks.	Considering the data security and malicious attacks it is imperative to have a secure backup solution in place to protect from both insider and outsider attacks. Hence request you to incorporate the proposed specification.	Cannot incorporate new specification The specifications mentioned in the tender are minimum technical specifications. Bidder can quote a product with additional feature or higher specifications.
13	i) M/S Pace Business Machines Pvt.Ltd. ii)M/S Cygnus Information Solutions Pvt.Ltd.		New Proposed specification	Proposed purpose built backup appliance should be offered with protocols like VTL, OST, CIFS and NFS. All of the protocols should be available to use concurrently with global deduplication for data ingested across all of them.	Backup protocols support is must for the appliance to work efficiently. Hence request you to incorporate the proposed change.	Cannot incorporate new specification The specifications mentioned in the tender are minimum technical specifications. Bidder can quote a product with additional feature or higher specifications.
14	i) M/S Pace Business Machines Pvt.Ltd. ii)M/S Cygnus Information Solutions Pvt.Ltd.		New Proposed specification	Proposed backup solution should ensure the backup completion of XX TB in the backup window of 4 Hours. The proposed appliance must support backup throughput upto 30 TB/hr while maintaining a single deduplication pool with RAID 6 and minimum one hot spare disk as well per disk enclosure.		Cannot incorporate new specification The specifications mentioned in the tender are minimum technical specifications. Bidder can quote a product with additional feature or higher specifications.
15	M/S Veritas Technologies LLC	2	Proposed backup appliance should store single copy for both backup and file archival setup based on access time, file size, file type or both.	Vendor specific point, we don't have a single product which provides backup and archival both at once	Proposed backup appliance should backup the selected items to the destination drive . For archiving, the software should backup a file then delete it from the local disk when the backup completes.	No change. Clarification: The project requirement is for backup and archival. However, we are open and in case some vendor solution need separate software/hardware bidder must provide backup software & archival software each with separate appliance of tendered quantity to accomplish both functionality in integrated way without compromising the performance.

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16	M/S Veritas Technologies LLC	16	Proposed appliance should have single data repository for various backup and archival requirement of servers, desktop laptop, file share and sync, flat file archival for long term retention with direct seamless access.	Vendor specific point	Proposed appliance should have single data repository for various backup requirement of servers, desktop laptop, file share and sync for long term retention with direct seamless access.	No change. Clarification: The project requirement is for backup and archival. However, we are open and in case some vendor solution need separate software/hardware bidder must provide backup software & archival software each with sepearte appliance of tendered quantity to accomplish both functionality in integrated way without compromising the performance.
17	M/S Veritas Technologies LLC	1	Proposed software should support backup and archival functionality through single instance of software for various OS platforms i.e. Windows, Linux and Unix.	Vendor specific point	Proposed backup software should support a heterogenous environment and primary server should be deployed on Windows/Linux	No change. Clarification: The project requirement is for backup and archival. However, we are open and in case some vendor solution need separate software/hardware bidder must provide backup software & archival software each with sepearte appliance of tendered quantity to accomplish both functionality in integrated way without compromising the performance.
18	M/S Veritas Technologies LLC	2	Proposed solution should provide single console view of backup, archival and replication	Vendor specific point	Proposed solution should provide single console view of backup and replication.	No change. Clarification: The project requirement is for backup and archival. However, we are open and in case some vendor solution need separate software/hardware bidder must provide backup software & archival software each with sepearte appliance of tendered quantity to accomplish both functionality in integrated way without compromising the performance.
19	M/S Veritas Technologies LLC	13	The software must keep single copy across backup and file archival with the help of global data de-duplication across different electronic data repository for storage	Vendor specific point	The software must keep single copy of backup with the help of global data de-duplication across different electronic data repository for storage	No change. Clarification: The project requirement is for backup and archival. However, we are open and in case some vendor solution need separate software/hardware bidder must provide backup software & archival software each with sepearte appliance of tendered quantity to accomplish both functionality in integrated way without compromising the performance.

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20	M/S Veritas Technologies LLC	16	Proposed software should include file archival feature to move historical data based on file attributes for long term retention. Archival and Backup should be managed from single console with single data	Vendor specific point	Proposed software should send the backed up data to a LTR (appliance) for long term retention purpose.	No change. Clarification: The project requirement is for backup and archival. However, we are open and in case some vendor solution need separate software/hardware bidder must provide backup software & archival software each with seperate appliance of tendered quantity to accomplish both functionality in integrated way without compromising the performance.
21	M/S Veritas Technologies LLC	17	The offered software must support flat file data archival with seamless access for Windows, Linux and Unix.	Vendor specific point	Proposed backup software should support a hetrogenous environment and primary server should be deployed on Windows/Linux	No change. Clarification: The project requirement is for backup and archival. However, we are open and in case some vendor solution need separate software/hardware bidder must provide backup software & archival software each with seperate appliance of tendered quantity to accomplish both functionality in integrated way without compromising the performance.
22	QC Infotech Pvt. Ltd.	4, 5	Compliance line item no 3 is 80 TB to 160 PB??			Specification mentioned is minimum 80TB capacity & Scalable upto 160PB
23	QC Infotech Pvt. Ltd.	4, 5	The Tape library BOM which they have mentioned doesn't have the slot /Capacity, How many Media needed			Minimum storage capacity (Native) of tape library should be 40 TB. To achieve this the number of slots required to be provided by bidder Tape Library should be supplied with 10 numbers of Tape Cartridge. Each Tape Cartridge should be of capacity minimum 12TB.So total tape capacity should be minimum 120 TB & 02 numbers of HeadClinic Cartridge.
24	QC Infotech Pvt. Ltd.	6	They are asking for a 4U size Tape library , asking them for allowing the 6U Value.			As per technical specification mentioned in the tender
25	QC Infotech Pvt. Ltd.	4, 5	Maximum Capacity of Each Drive (TB)=24TB			Maximum Capacity of Each Drive (TB)=12TB
26		10	Transfer Rate (TB/hour)=3 to 7			Transfer Rate of Tape Library (TB/hour) = 1 to 7
27		11	Transfer Rate under Compression mode (TB/Hour)= 7.7			Transfer Rate under Compression mode of of Tape Library (TB/Hour)= 2.7 to 7.7