<u>Corrigendum-01 dated 01.03.2023</u>

Bid for Procurement of Object storage with 5 PB usable Space in a three-site configuration (i.e., GSDC Gandhinagar, Near DR- Vadodara, Far-DR Bhubaneshwar) on Behalf of Department of Science and Technology. (BID NO: GEM/2023/B/3055565 dated 31-01-2023)

Please find the Corrigendum-1 dated 01.03.2023.

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Bid for Procurement of Object storage with 5 PB usable Space in a three-site configuration (i.e., GSDC Gandhinagar, Near DR- Vadodara, Far-DR Bhubaneshwar) on Behalf of Department of Science and Technology. (BID NO: GEM/2023/B/3055565 dated 31-01-2023)

Corrigendum-1 (01-03-2023)

Sr. No.	Volume & Section	Bid Clause	Remarks / Modified / added Clause
1	**Eligibility Crieteria , Sr no-5**	The Bidder should have supplied similar object storage, in at least one of the last four financial years before the bid opening date to any Central / State Govt Organization / PSU / Large Public Listed Company. Copies of relevant contracts (proving supply of cumulative order quantity in any one financial year) to be submitted along with bid in support of quantity supplied in the relevant financial year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.	The Bidder should have supplied similar object storage, in at least one of the last four financial years before the bid opening date to any Central / State Govt Organization / PSU / ~~Large~~ Public Listed Company/ **Enterprise (Domestic or Globally) / BFSI**. Copies of relevant contracts (proving supply of cumulative order quantity in any one financial year) to be submitted along with bid in support of quantity supplied in the relevant financial year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.
2	**Eligibility Crieteria , Sr no-6**	The OEM should have implemented the proposed object Storage solution to any Central / State Govt Organization / PSU / Large Public Listed Company .	The OEM should have implemented the proposed object Storage solution to any Central / State Govt Organization / PSU / ~~Large~~ Public Listed Company / **Enterprise (Domestic or Globally) / BFSI .**
3	**Minimum Technical specifications: Point-01**	Array/Appliance with 5PB usable Space in a three-site configuration i.e. GSDC Gandhinagar, Near DR- Vadodara, Far-DR Bhubaneshwar. (Usable space means amount of storage space that will be available for storage after all system overheads are accounted for including but not limited to data protection, metadata, space required for objectspending garbage collection, etc.)	Array/Appliance with 5PB usable Space in a three-site configuration i.e., GSDC Gandhinagar, Near DR-Vadodara, Far-DR Bhubaneshwar **distributed geographically to provide 2 PB usable at GSDC, 1PB usable at Near-DR and 2PB usable at Far-DR**. (Usable space means amount of storage space that will be available for storage after all system overheads are accounted for including but not limited to data protection, metadata, space required for objects pending garbage collection, etc.)
4	**Minimum Technical specifications: Point-05**	Proposed object storage should support **NL-SAS, SATA** and SSD drives.	Proposed object storage should support **NL-SAS/SATA** and SSD drives.
5	**Minimum Technical specifications: Point-06**	Offered storage should offer read-only, point-in-time copies (snapshots)/versioning, at the granularity of object.	**Offered storage should provide versioning at the granularity of object/bucket.**
6	**Minimum Technical specifications: Point-10**	The system must support Role Base Access Control with Integration with Active Directory and LDAP.	The system must support **Role Base Access Control or equivalent mechanism** with Integration with Active Directory and LDAP.
7	**Minimum Technical specifications: Point-12**	The system must be able to support Anti-Virus Scanning .	**The system must be able to support Anti-Virus Scanning or able to integrate with third party anti-virus solution.**
8	**Minimum Technical specifications: Point-14**	The storage system should have support to provide protection against ransomware	The storage system should have support to provide protection against ransomware **or able to integrate with third party ransomware protection solution.**

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Corrigendum-1 (01-03-2023)

Sr. No.	Volume & Section	Bid Clause	Remarks / Modified / added Clause
9	**Minimum Technical specifications: Point-16**	All the required or necessary licenses must be perpetual and should be provided for the entire capacity. This should include licenses for Management and monitoring module and all features such as Thin provisioning, point-in-time copies (Snapshot), Replication, and share etc. in case of further capacity upgrade, tenderer should not incur additional license cost.	All the required or necessary licenses must be perpetual and should be provided for the entire offered capacity. This should include licenses for Management and monitoring module and all other features **of the object storage.** ~~such as Thin provisioning, point-in-time copies (Snapshot), Replication, and share etc. in case of further capacity upgrade, tenderer should not incur additional license cost.~~
10	**Minimum Technical specifications: Point-19**	Specialized ToR 10/25 Gbe or higher as Quoted (if required) Switches per rack	Specialized ToR 10/25 Gbe o**r higher with High Availability** as Quoted (if required) Switches per rack
11	**Minimum Technical specifications: Point-20**	Data Protection: All Data should be available even **if 1 or 2 sites failed and multiple disks at a site are failed**	Data Protection: All Data should be available even **if one site failed** and multiple disks **(minimum 4)** at a site are failed
12	**Minimum Technical specifications: Point-26**	Throughput of 1GBPS up to 6K (per 1 PB usable capacity) transactions per second with **100KB size,** assuming 25% PUT, 25% DEL, 50% GET. Growth to 600k transactions per second. System background tasks are not included in the transaction rate.	Throughput of 1GBPS up to 6K (per 1 PB usable capacity) transactions per second with **500KB size,** assuming 25% PUT, 25% DEL, 50% GET. Growth to 600k transactions per second. System background tasks are not included in the transaction rate.
13	**Minimum Technical specifications: Point-28**	Object storage system must be able to dynamically grow from three site configuration to four site configuration while supporting the data protection requirements in each site, **such that any one site could become primary at any time**. The RTO of such failover, including both data and metadata, at the object storage level, must be zero. Similarly, RPO for object storage shall be zero or near-zero. Object storage system shall be capable of self-healing (without manual interventions) for outages up to one week in duration.	Object storage system must be able to dynamically grow from three site configuration to four site configuration while supporting the data protection requirements in each site, ~~such that any one site could become primary at any time~~. The RTO of such failover, including both data and metadata, at the object storage level, must be zero. Similarly, RPO for object storage shall be zero or near-zero. Object storage system shall be capable of self-healing (without manual interventions) for outages up to one week in duration.
14	**Minimum Technical specifications: Point-30**	Bidder must ensure that object storage should be configured to protect from no data loss and data unavailability in the case of both scenarios occurring one by one (a) simultaneous failure of any **3 disks,** including SSD (b) simultaneous failure of any 2 nodes/controllers	Bidder must ensure that object storage should be configured to protect from no data loss and data unavailability in the case of both scenarios occurring one by one (a) simultaneous failure of any **4 disks,** including SSD (b) simultaneous failure of any 2 nodes/controllers.
15	**Minimum Technical specifications: Point-35**	Enterprise file synchronization and sharing software services to enable users to securely synchronize and share documents from end devices (laptop, mobile, pc,etc.) Minimum File sync and share software features:	Enterprise file synchronization and sharing software services to enable users to securely synchronize and share documents from end devices (laptop, mobile, pc,etc.) Minimum File sync and share software features: **10000 users, concurrency at least 1000 users. Additional user licenses if required, can be purchased at the same rate during the contract period. All required hardware, software or any other component including licenses has to be provided by bidder.**

Bid for Procurement of Object storage with 5 PB usable Space in a three-site configuration (i.e., GSDC Gandhinagar, Near DR- Vadodara, Far-DR Bhubaneshwar) on Behalf of Department of Science and Technology. (BID NO: GEM/2023/B/3055565 dated 31-01-2023)
Pre-bid queries Response dated 01.03.2023

S. No.	Bidding Document Reference Clause No/ Page No	Content of RFP requiring clarification	Points of Clarification required	Tenderer Response
1	Minimum Technical specifications: **Page No 5 of 12 (Point 1)**	Array/Appliance with 5PB usable Space in a three-site configuration i.e. GSDC Gandhinagar, Near DR- Vadodara, Far-DR Bhubaneshwar. (Usable space means amount of storage space that will be available for storage after all system overheads are accounted for including but not limited to data protection, metadata, space required for objects pending garbage collection, etc.)	Request you to please share the breakup of 5PB on how it needs to be split between GSDC Gandhinagar, Near DR- Vadodara, Far-DR Bhubaneshwar or is the asked 5PB capacity required at each of the above sites.	please check corrigendum
2	Minimum Technical specifications: **Page No 5 of 12 (Point 3)**	Proposed Object storage must provide automatic balancing of the stored capacity across all nodes in a cluster, ensuring data gets distributed across all nodes. When new nodes are added or removed from the cluster, existing data should be redistributed among all nodes.	Request that automatic ability to redistribute data be asked for. Otherwise rebalancing of data would be time consuming and error prone process. **Request clause be changed to:** Proposed Object storage must provide automatic balancing of the stored capacity across all nodes in a cluster, ensuring data gets distributed across all nodes. When new nodes are added or removed from the cluster, existing data should be automatically redistributed among all nodes.	As per RFP
3	Minimum Technical specifications: **Page No 5 of 12 (Point 5)**	Proposed object storage should support NL-SAS, SATA and SSD drives	Since NL-SAS and SATA drives are the same with difference only in connectivity, request that the clause be changed to below which would help Dell to qualify and participate for this opportunity. Also in the point 18 of the RFP the type of drives asked is SATA/NL-SAS. **Request clause be changed to:** Proposed object storage should support **NL-SAS/SATA and SSD** drives	please check corrigendum

4	Minimum Technical specifications: **Page No 5 of 12 (Point 6)**	Offered storage should offer read-only, point-in-time copies (snapshots)/versioning, at the granularity of object.	Object storage do not offer snapshots, snapshots are a filesystem concept. An equivalent technology in object storage is versioning, request that the clause be changed to below. Offered storage should offer enabling version at bucket level	please check corrigendum
5	Minimum Technical specifications: **Page No 5 of 12 (Point 10)**	The system must support Role Base Access Control with Integration with Active Directory and LDAP.	RBAC is a filesystem concept, similar feature in object storage is called IAM (Identity and access management). Request the clause be changed to below: **Request clause be changed to:** The system must support IAM and Integration with Active Directory and LDAP.	please check corrigendum
6	Minimum Technical specifications: **Page No 5 of 12 (Point 12)**	The system must be able to support Anti-Virus Scanning	As per recent threats, ransomware is a bigger threat than virus. Therefore request the clause be changed to below: **Request clause be changed to:** The system must be able to support Anti-Virus Scanning/ Anti Ransomware solution	please check corrigendum
7	Minimum Technical specifications: **Page No 5 of 12 (Point 16)**	All the required or necessary licenses must be perpetual and should be provided for the entire capacity. This should include licenses for Management and monitoring module and all features such as Thin provisioning, point-in-time copies (Snapshot), Replication, and share etc. in case of further capacity upgrade, tenderer should not incur additional license cost.	Thin provisioning, snapshots are filesystem concepts. Also with capacity upgrade, additional licenses would be needed for the additional capacity being added. Request the clause be changed to below: **Request clause be changed to:** All the required or necessary licenses must be perpetual and should be provided for the entire offered capacity. This should include licenses for Management and monitoring module and all features offered by the storage. Storages should be licensed for the entire capacity offered per site, without any consideration of the type of data in the storage (eg replicated data or original data)	please check corrigendum

8	Minimum Technical specifications: **Page No 6 of 12 (Point 28)**	Object storage system must be able to dynamically grow from three site configuration to four site configuration while supporting the data protection requirements in each site, such that any one site could become primary at any time. The RTO of such failover, including both data and metadata, at the object storage level, must be zero. Similarly, RPO for object storage shall be zero or near-zero. Object storage system shall be capable of self-healing (without manual interventions) for outages up to one week in duration.	Object storage across sites are active active for read/write operations, and therefore do not have the concept of primary site. **Request that the clause be changed to below:** Object storage system must support a multi-site active-active architecture where data can span across multiple geographic locations, and provide a global namespace with anywhere read and write access. Object storage system must be able to dynamically grow from three site configuration to four site configuration while supporting the data protection requirements in each site. RPO for object storage shall be zero or near-zero. Object storage system shall be capable of self-healing (without manual interventions) for outages up to one week in duration.	please check corrigendum
9	Minimum Technical specifications: **Page No 6 of 12 (Point 30)**	Bidder must ensure that object storage should be configured to protect from no data loss and data unavailability in the case of both scenarios occurring one by one (a) simultaneous failure of any 3 disks, including SSD (b) simultaneous failure of any 2 nodes/controllers	**Request this clause be changed to:** Bidder must ensure that object storage should be configured to protect from no data loss and data unavailability in the case of both scenarios occurring one by one (a) simultaneous failure of any 3 disks, including SSD (b) simultaneous failure of any 2 nodes A node is defined as the portion of the storage system responsible for erasure coding and storing the object data	please check corrigendum
10	Minimum Technical specifications: **Page No 6 of 12 (Point 34)**	Migration from existing storage to proposed object storage (approx. 1PB)	**Request to please clarify / share details on the below points on migration from existing storage:** **1. Permissions for Files/Folders to be preserved post migration to Object Storage?** **2. Estimated amount of Data and number of shares?** **3. Does each shares to be migrated on to a separate bucket?** **4. Is there any CIFS / SMB shares present in current storage? If yes Bifurcation of CIFS / NFS share data size**	Permissions to be preserved. CIFS/NFS shares in ratio of approx 60%/40%. Other details will be provided to successful bidder

11	ATC Documents, Additional Eligibility Evaluation Criteria, Page No 1, Sr. No. 2	Bidder should be an established IT System Integrator and should have been engaged in similar ITprojects/solutions business for a period of at least five years as on the last date of BID submission.	We request to revise the eligibility criteria as below: "Bidder should be an established IT System Integrator and should have been engaged in ITprojects/solutions business for a period of at least five years as on the last date of BID submission"	As per RFP
12	ATC Documents, Additional Eligibility Evaluation Criteria, Page No 1, Sr. No. 5	The Bidder should have supplied similar object storage, in at least one of the last four financial years before the bid opening date to any Central/ State Govt Organization / PSU / Large Public Listed Company. Copies of relevant contracts (proving supply of cumulative order quantity in any one financial year) to be submitted along with bid in support of quantity supplied in the relevant financial year. In case of bunchbids,the category related to primary product having highest bid value should meet this criterion.	We request to revise the eligibility criteria as below: "The Bidder should have supplied similar object storage **/ Unified Storage,**in at least one of the last four financial years before the bid opening date to any Central / State Govt Organization / PSU / Large Public Listed Company. Copies of relevant contracts (proving supply of cumulative order quantity in any one financial year) to be submitted along with bid in support of quantity supplied in the relevant financial year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion."	As per RFP
13	GEM Bid, ePBG Detail, Page No 2	ePBG Percentage(%)/ईपीबीजी ितशत (%) - 10.00	We request you to consider PBG for a value equivalent to 5% of the total cost as per financial bid.	As per RFP
14	ATC Documents, Payment Schedule, Page No 10, Sr. No. 2 & 3	1. 80% on successful hardware, software, licenses delivery of Capex 2. 10 % Capex on Successful installation, configuration, integration and migration of approx. 500TB of unstructured data 3. 10 % successful FAT & Training of Capex 4. Payment of 5 years Comprehensive Warranty & OEM Support Charges in five equal instalments at the end of every year.	We suggest to revise the payment clasue as below" 1. 80% on successful hardware, software, licenses delivery of Capex 2. 15 % Capex on Successful installation, configuration, integration and migration of approx. 500TB of unstructured data 3. 5 % successful FAT & Training of Capex 4. Payment of 5 years Comprehensive Warranty & OEM Support Charges to be payable quarterly at the end of each quarter	As per RFP
15	Eligibility Crieteria	The Bidder should have supplied **similar object storage**, in at least one of the last four financial years before the bid opening date to any Central / State Govt Organization / PSU / Large Public Listed Company. Copies of relevant contracts (proving supply of cumulative order quantity in any one financial year) to be submitted along with bid in support of quantity supplied in the relevant financial year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.	The Bidder should have supplied similar **object/File/Block storage**, in at least one of the last four financial years before the bid opening date to any Central / State Govt Organization / PSU / Large Public Listed Company. Copies of relevant contracts (proving supply of cumulative order quantity in any one financial year) to be submitted along with bid in support of quantity supplied in the relevant financial year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.	As per RFP

16	Minimum Technical specifications: **Page No 5 of 12 (Point 1)**	Array/Appliance with 5PB usable Space in a three-site configuration i.e. GSDC Gandhinagar, Near DR- Vadodara, Far-DR Bhubaneshwar. (Usable space means amount of storage space that will be available for storage after all system overheads are accounted for including but not limited to data protection, metadata, space required for objects pending garbage collection, etc.)	Scaleout storage solution with 5PB useable space in 3 site configuration in active active setup. For 3 sites distributed erasure coding, the latency under 10ms among the sites are mandatory	please check corrigendum
17	Minimum Technical specifications: **Page No 5 of 12 (Point 2)**	The object storage cluster shall be scalable to minimum 50 PB in a single cluster/ namespace by adding drives and nodes.	Also add - The storage should linearly scale in performance and capacity with the additional of Nodes and drives.	As per RFP
18	Minimum Technical specifications: **Page No 5 of 12 (Point 3)**	Proposed Object storage must provide automatic balancing of the stored capacity across all nodes in a cluster, ensuring data gets distributed across all nodes. When new nodes are added or removed from the cluster, existing data should be redistributed among all nodes.		As per RFP
19	Minimum Technical specifications: **Page No 5 of 12 (Point 4)**	Storage system must be offered with no single point of failure	Also add - All storage poliies must be configured at the bucket level allowing for indivual buckets to support different protection policies, replication, tiering, versioning etc	As per RFP
20	Minimum Technical specifications: **Page No 5 of 12 (Point 5)**	Proposed object storage should support NL-SAS, SATA and SSD drives	And add - The storage shall support tiering between Flash and Disk via bucket level policies	please check corrigendum
21	Minimum Technical specifications: **Page No 5 of 12 (Point 6)**	Offered storage should offer read-only, point-in-time copies (snapshots)/versioning, at the granularity of object.		please check corrigendum
22	Minimum Technical specifications: **Page No 5 of 12 (Point 7)**	Storage should be offered with the capability of data reduction. Licenses should be provided from day one for entire capacity. Storage should support encryption, auto- configuration and self-healing features.	add : and granular bucket level policies.	As per RFP
23	Minimum Technical specifications: **Page No 5 of 12 (Point 8)**	The system must support encrypting data at rest.	Add- The System must support 256bit encryption for data at rest and data in flight. The system must be Common Criteria with EAL2 designation, FIPS 140-2 Data Encryption Validation & SEC Rule 17a-4(f) certified	As per RFP
24	Minimum Technical specifications: **Page No 5 of 12 (Point 9)**	The system must be able to support Write Once Read Many (WORM)	Add - the system must support WORM and should enable compliance mode in which admin access is removed to the bucket with WORM enabled.	As per RFP
25	Minimum Technical specifications: **Page No 5 of 12 (Point 10)**	The system must support Role Base Access Control with Integration with Active Directory and LDAP.	Add - The system should support single sign on, IAM, SAML 2.0 as well.	please check corrigendum
26	Minimum Technical specifications: **Page No 5 of 12 (Point 11)**	The system must be able to support System audit trail		As per RFP

27	Minimum Technical specifications: Page No 5 of 12 (Point 12)	The system must be able to support Anti-Virus Scanning	The system must support anti virus scanning using thrid party S3 scanning AV tools like Clam AV, bucket AV etc Av scanning is done via the S3 Client (eg SME, EasiShare) during upload. When data is already stored in the bucket, there is no AV to scan the data at rest (unlike NAS/SAN storage)	please check corrigendum
28	Minimum Technical specifications: Page No 5 of 12 (Point 13)	The system should have automated system integrity and data integrity checks built in to prevent data loss data integrity issues due to data inconsistencies or object corruption		As per RFP
29	Minimum Technical specifications: Page No 5 of 12 (Point 14)	The storage system should have support to provide protection against ransomware		please check corrigendum
30	Minimum Technical specifications: Page No 5 of 12 (Point 15)	All devices should be IPv6 implementation ready from day 1	Change to: All devices should be IPv4 implementation ready from day 1 Using IP v4 for communication only, no IPv6 using yet	As per RFP
31	Minimum Technical specifications: Page No 5 of 12 (Point 16)	All the required or necessary licenses must be perpetual and should be provided for the entire capacity. This should include licenses for Management and monitoring module and all features such as Thin provisioning, point-in-time copies (Snapshot), Replication, and share etc. in case of further capacity upgrade, tenderer should not incur additional license cost.	Change to : point-in-time copies (Snapshot) or versioning	please check corrigendum
32	Minimum Technical specifications: Page No 5 of 12 (Point 18)	Type of Drive: SATA/ NL-SAS	Add maximum 16TB NL SAS or lower capacity spindles. 2% of the entire raw capacity to be provisioned on NVME drives for OS and journaling.	As per RFP
33	Minimum Technical specifications: Page No 5 of 12 (Point 19)	Specialized ToR 10/25 Gbe or higher as Quoted (if required) Switches per rack	Add Software should support 10/25/40/100Gbps network and upgrading same nodes to 40/100Gbe network in future	please check corrigendum
34	Minimum Technical specifications: Page No 5 of 12 (Point 20)	Data Protection: All Data should be available even if 1 or 2 sites failed and multiple disks at a site are failed		please check corrigendum
35	Minimum Technical specifications: Page No 5 of 12 (Point 21)	Protocols Supported by the Storage from day 1: S3, REST API, HTTP, HTTPS, etc	Add : Solution must support atleast S3 API feature set which includes Multi Part Upload, Cross Region Replication, Versioning, S3 Notification, S3 Bucket Lock, S3 Torrent, S3 v2 Signature Authentication, S3 v4 Signature authentication, S3A API for HDFS integration. Any unsupported S3 API must be clearly mentioned and documentary evidence of supported S3 API shall be shared. Solutions with high S3 API support will be preferred.	As per RFP

36	Minimum Technical specifications: **Page No 5 of 12 (Point 22)**	Must provide access for a variety of operating systems (UNIX, Mac, Linux, and Windows latest and legacy versions)	Add : NFS and SMB support is must. Data transferred via S3 should be accessed over NFS & SMB and vice versa. This will ensure multiOS and legacy OS support. The nfs and SMB should be provided by same platform or via same OEM supplied Gateways which can run on physical servers or as virtual machine on VMware HyperFile nodes are needed for NFS/SMB access. Fuse with s3fs is alternate option for bucket direct mounting	As per RFP
37	Minimum Technical specifications: **Page No 6 of 12 (Point 23)**	Built in self-healing; automatic failure detection Global namespace with active data access and modification; support for nodes of different generations; should be expandable vertically with the addition of disks and horizontally with the addition of nodes; vertical expansion must be nondisruptive; Support for metadata search: all disk and controller rebuilds should leverage protection within same site and should not consume WAN bandwidth to greatest extent feasible and meta-data search should be fast and accordingly SSD should be factored for metadata storage; should offer content protection using replication and Erasure coding irrespective of object size; support for multi tenancy and quota limits; metering capability; built in dashboard for capacity, object count etc.; support for audit trails; REST API support for advanced monitoring and management	Change : "should be expandable vertically with the addition of disks and horizontally with the addition of nodes; vertical expansion must be nondisruptive" to "should be expandable v horizontally with the addition of nodes supporting nodes with different drive count example nodes of 24 drives, 60 drives, 12 drives should all be mixable in the same cluster; horizontal expansion must be nondisruptive" reasong : This will ensure performance increase is linear as compute network & disk are added simulteously while scaling horizontally. Change : "support for multi tenancy and quota limits; metering capability;" to "support for QOS, multi tenancy and quota limits & built in metering capability" Av scanning is done via the S3 Client (eg SME, EasiShare) during upload. When data is already stored in the bucket, there is no AV to scan the data at rest (unlike NAS/SAN storage)	As per RFP
38	Minimum Technical specifications: **Page No 6 of 12 (Point 24)**	Under no conditions shall a capacity expansion lead to a reduction in system throughput.		As per RFP
39	Minimum Technical specifications: **Page No 6 of 12 (Point 25)**	Garbage collection process must be dynamically tunable while meeting throughput requirements without impacting GET/ PUT latency.	There is no tunable for clearing up of deleted fragments (garbadge collection time)	As per RFP, should be able change to change in between
40	Minimum Technical specifications: **Page No 6 of 12 (Point 26)**	Throughput of 1GBPS up to 6K (per 1 PB usable capacity) transactions per second with 100KB size, assuming 25% PUT, 25% DEL, 50% GET. Growth to 600k transactions per second. System background tasks are not included in the transaction rate.	Change to: Throughput of 1GBPS (per 1 PB usable capacity) transactions per second with 10MB size, assuming 25% PUT, 25% DEL, 50% GET. System background tasks are not included in the transaction rate. Need to size the nodes for the performance required	please check corrigendum
41	Minimum Technical specifications: **Page No 6 of 12 (Point 27)**	Object storage system must provide for ability to recover objects deleted by end-users and/or systems administrators via API for at least 7 days. The time period that objects can remain recoverable must be dynamically tunable.	versioning needs to be enabled. But we cannot control the number of versions but QoS of the capacity only	As per RFP

42	Minimum Technical specifications: **Page No 6 of 12 (Point 28)**	Object storage system must be able to dynamically grow from three site configuration to four site configuration while supporting the data protection requirements in each site, such that any one site could become primary at any time. The RTO of such failover, including both data and metadata, at the object storage level, must be zero. Similarly, RPO for object storage shall be zero or near-zero. Object storage system shall be capable of self-healing (without manual interventions) for outages up to one week in duration.		please check corrigendum
43	Minimum Technical specifications: **Page No 6 of 12 (Point 29)**	Bidder must ensure if Load balancer and Network Switches are recommended to integrate object storage , then same must be offered in redundant config and must be sized to offer the asked throughput. Bidder must ensure that Load Balancer supplied should be scalable	The Load balancer for the object storage must be from the same OEM as the object storage and must intregrate with the object storage management tool for single GUI managemnt of the solution. The load balancer must support GSLB configuration from day one.	As per RFP
44	Minimum Technical specifications: **Page No 6 of 12 (Point 30)**	Bidder must ensure that object storage should be configured to protect from no data loss and data unavailability in the case of both scenarios occurring one by one (a) simultaneous failure of any 3 disks, including SSD (b) simultaneous failure of any 2 nodes/controllers	need 3 parity configuration at the minimum	please check corrigendum
45	Minimum Technical specifications: **Page No 6 of 12 (Point 31)**	Scope of supply must include installation, commissioning & integration together with all necessary software, hardware, licenses, racks, iPDU, power cord, or any other component for the working of the solution etc to make the system fully functional as intended.		As per RFP
46	Minimum Technical specifications: **Page No 6 of 12 (Point 32)**	Should have ability to identify and tag data depending on content with the ability to search based on meta-data	Change to : Should have ability to identify and tag data depending on content with the ability to search based on meta-data using ELK or similar tools Hyperstore v7.5.1 supports tagging and searching feature	As per RFP
47	Minimum Technical specifications: **Page No 6 of 12 (Point 33)**	Should support Object Sizes varying from few-KBs to few-GBs/TBs	support using storage policies (RF and EC) to proide better performance and capacity storage to address small KB and large objects MB/GB	As per RFP
48	Minimum Technical specifications: **Page No 6 of 12 (Point 34)**	**Migration from existing storage to proposed object storage (approx. 1PB)**	**Please share existing workload details for migrations**	Permissions to be preserved. CIFS/NFS shares in ratio of approx 60%/40%. Other details will be provided to successful bidder
49	Minimum Technical specifications: **Page No 6 of 12 (Point 35)**	Enterprise file synchronization and sharing software services to enable users to securely synchronize and share documents from end devices (laptop, mobile, pc,etc.) Minimum File sync and share software features :		please check corrigendum
50	**35a**	Support multi-tenancy and data allocation and segregation per tenant, role based access per tenant		As per RFP
51		File Preview Easily search Metadata Version Control Upload singularly or in bulk		As per RFP

52		Share & Distribute files and folders Tenants, Groups & Users wise access Intuitive, modern web-based user interface , RESTful API Integration, Role based access, LDAP directory integration,		As per RFP
53	35c	File Locking - Lock files to prevent users from making concurrent edits that could cause file conflicts. Users are notified when files are locked		As per RFP
54	35d	File Versioning - Versioning-Feature for files which allows rollback to older file versions		As per RFP
55	35e	File Tagging - Add specific tags to your files. This feature allows smart filtering of files and works with shared files as well		As per RFP
56	35f	Content Sharing - Sharing of files and more with users via an anonymous link (password protection, expiration date possible)		As per RFP
57	35g	Sharing Permission Management - Feature to selectively restrict access to shared content (Create, Edit, Delete, Reshare)		As per RFP
58	35h	Tenants, Groups & Users - Only giving specific users or organisations access to certain assets & time limit the access		As per RFP
59	35i	Large File Support (>4 GB)		As per RFP
60	35j	Sharing Assets Securely - Sharing assets securely with no file size limitations & revocable access		As per RFP
61	Minimum Technical specifications: **Page No 5 of 12 (Point 7)**	Storage should be offered with the capability of data reduction. Licenses should be provided from day one for entire capacity. Storage should support encryption, auto-configuration and self-healing features.	Storage should be offered with the capability of data reductionsuch as compression and deduplication (single instancing). Licenses should be provided from day one for entire capacity. Storage should support encryption, auto-configuration and self-healing features.	As per RFP
62	8	The system must support encrypting data at rest.	The system must support encrypting data at rest **and data in flight (when data is being distributed among 3 sites architacture)**	As per RFP
63	19	Specialized ToR 10/25 Gbe or higher as Quoted (if required) Switches per rack	Specialized ToR 10/25 Gbe or higher as Quoted (if required) Switches per rack **in high availability**	please check corrigendum
64	20	Data Protection: All Data should be available even if 1 or 2 sites failed and multiple disks at a site are failed	Request to change the clause as below: Data Protection: All Data should be available even if one site failed and multiple disks (6 or more) at a site are failed	please check corrigendum
65	30	Bidder must ensure that object storage should be configured to protect from no data loss and data unavailability in the case of both scenarios occurring one by one (a) simultaneous failure of any 3 disks, including SSD (b) simultaneous failure of any 2 nodes/controllers	Request to update the clause as below: Bidder must ensure that object storage should be configured to protect from no data loss and data unavailability in the case of both scenarios occurring one by one (a) simultaneous failure of any 6 disks at each site, including SSD (b) simultaneous failure of any 2 nodes/controllers including compute and storage nodes at any two sites	please check corrigendum
66	34	Migration from existing storage to proposed object storage (approx. 1PB)	Migration from existing storage to proposed object storage (approx. 1PB) - Please share details about the existing storage from which migration of data need to be performed.	Permissions to be preserved. CIFS/NFS shares in ratio of approx 60%/40%. Other details will be provided to successful bidder

67	35	: Enterprise file synchronization and sharing software services to enable users to securely synchronize and share documents from end devices (laptop, mobile, pc,etc.) Minimum File sync and share software features :	**Kindly suggest number of Licenses . And we assume that the IT infrastructure for File and Sync will be provided by the department/GIL.**	please check corrigendum
68	34	Migration from existing storage to proposed object storage (approx. 1PB)	**Kindly provide the make and model of the existing Storage**	make and model : NetApp FAS 8200
69	19	Specialized ToR 10/25 Gbe or higher as Quoted (if required) Switches per rack	**Kindly amend the Clause as "Specialized ToR 10/25 Gbe or higher as Quoted (in High Availability)) Switches per rack."**	please check corrigendum
70	Minimum Technical specifications: **Page No 5 of 12 (Point 12)**	The system must be able to support Anti-Virus Scanning	Please Remove ~~The system must be able to support Anti-Virus Scanning~~ **Adv:** Antivirus is the technology used at edge devices for scanning the the data for any virus malware. Antivirus works on file format. Data is always sanitized at edge devices before storing on storage devices. Object storage stores the data in object format not in file format. hence we request to keep the anrivirus separate from the scope of this RFP and purchase antivirus separately.	please check corrigendum
71	Minimum Technical specifications: **Page No 5 of 12 (Point 16)**	All the required or necessary licenses must be perpetual and should be provided for the entire capacity. This should include licenses for Management and monitoring module and all features such as Thin provisioning, point-in-time copies (Snapshot), Replication, and share etc. in case of further capacity upgrade, tenderer should not incur additional license cost.	All the required or necessary licenses must be perpetual and should be provided for the entire capacity. This should include licenses for Management and monitoring module and all features such as Thin provisioning, point-in-time copies (Snapshot)/versioning, tiering Replication, and share etc. in case of further capacity upgrade, tenderer should not incur additional license cost. **Adv:** Snapshot and versioning are two different technologies use to protect the old copies of data in as is form. Any storage require either of the technologies not both. Tiering is the add on technology which supports the tiering of data from NAS/file storage to Object storage.	please check corrigendum
72	Minimum Technical specifications: **Page No 6 of 12 (Point 25)**	Garbage collection process must be dynamically tunable while meeting throughput requirements without impacting GET/ PUT latency.	Garbage collection process must be dynamically tunable while meeting throughput requirements without impacting GET/ PUT latency. If proposed Object Storage architecture has overheads due to garbage collection, then addon 25% usable capacity should be supplied day one. **Adv** Garbage collection is a process of reclaiming the space after deletion of any object. If there is any delay in garbage collection process (reclaiming space) then at times this leads to the substantial space occupied by data which is under process of deletion, hence the bidder who has overheads for Garbage collection process then they should offer additional 25% usable space.	As per RFP
73	Minimum Technical specifications: **Page No 6 of 12 (Point 26)**	Throughput of 1GBPS up to 6K (per 1 PB usable capacity) transactions per second with 100KB size, assuming 25% PUT, 25% DEL, 50% GET. Growth to 600k transactions per second. System background tasks are not included in the transaction rate.	Please change as per below. Throughput of 1GBPS up to 6K (per 1 PB usable capacity) transactions per second with 100KB size, assuming 25% PUT, 25% DEL, 50% GET. Growth to 120k transactions per second. System background tasks are not included in the transaction rate. **Adv:** Please update this clause from to 120K transactions per second . When the capcity grows the performance will grow hand in hand.	please check corrigendum

74	Minimum Technical specifications: **Page No 6 of 12 (Point 28)**	Object storage system must be able to dynamically grow from three site configuration to four site configuration while supporting the data protection requirements in each site, such that any one site could become primary at any time. The RTO of such failover, including both data and metadata, at the object storage level, must be zero. Similarly, RPO for object storage shall be zero or near-zero. Object storage system shall be capable of self-healing (without manual interventions) for outages up to one week in duration.	Please changes the clause as per below: Object storage system must be able to dynamically grow from three site configuration to four site configuration while supporting the data protection requirements in each site, such that any one site could become primary at any time. The RTO of such failover, including both data and metadata, at the object storage level, must be zero. Similarly, RPO for object storage shall be ~~zero or near-zero~~ 15 minutes. Object storage system shall be capable of self-healing (without manual interventions) for outages up to one week in duration. **Adv:** Zero RPO is not practically possible, to achieve new zero RPO some time frame should be specified, we recommend 15 min RPO which is best possible.	please check corrigendum
75	Minimum Technical specifications: **Page No 6 of 12 (Point 35)**	Enterprise file synchronization and sharing software services to enable users to securely synchronize and share documents from end devices (laptop, mobile, pc,etc.) Minimum File sync and share software features :	~~Enterprise file synchronization and sharing software services to enable users to securely synchronize and share documents from end devices (laptop, mobile, pc,etc.) Minimum File sync and share software features :~~	please check corrigendum
76	35a	Support multi-tenancy and data allocation and segregation per tenant, role based access per tenant	~~Support multi-tenancy and data allocation and segregation per tenant, role based access per tenant~~	As mentioned in RFP, Enterprise file sync and share software can be native or integrated with third-party
77	35b	File Preview Easily search Metadata	~~File Preview Easily search Metadata~~	As mentioned in RFP, Enterprise file sync and share software can be native or integrated with third-party
78	35b	Version Control Upload singularly or in bulk Share & Distribute files and folders Tenants, Groups & Users wise access Intuitive, modern web-based user interface , RESTful API Integration, Role based access, LDAP directory integration,	~~Version Control Upload singularly or in bulk Share & Distribute files and folders Tenants, Groups & Users wise access Intuitive, modern web-based user interface , RESTful API Integration, Role based access, LDAP directory integration,~~	As mentioned in RFP, Enterprise file sync and share software can be native or integrated with third-party
79	35c	File Locking - Lock files to prevent users from making concurrent edits that could cause file conflicts. Users are notified when files are locked	~~File Locking - Lock files to prevent users from making concurrent edits that could cause file conflicts. Users are notified when files are locked~~	As mentioned in RFP, Enterprise file sync and share software can be native or integrated with third-party
80	35d	File Versioning - Versioning-Feature for files which allows rollback to older file versions	~~File Versioning - Versioning-Feature for files which allows rollback to older file versions~~	As mentioned in RFP, Enterprise file sync and share software can be native or integrated with third-party
81	35e	File Tagging - Add specific tags to your files. This feature allows smart filtering of files and works with shared files as well	~~File Tagging - Add specific tags to your files. This feature allows smart filtering of files and works with shared files as well~~	As mentioned in RFP, Enterprise file sync and share software can be native or integrated with third-party
82	35f	Content Sharing - Sharing of files and more with users via an anonymous link (password protection, expiration date possible)	~~Content Sharing - Sharing of files and more with users via an anonymous link (password protection, expiration date possible)~~	As mentioned in RFP, Enterprise file sync and share software can be native or integrated with third-party
83	35g	Sharing Permission Management - Feature to selectively restrict access to shared content (Create, Edit, Delete, Reshare)	~~Sharing Permission Management - Feature to selectively restrict access to shared content (Create, Edit, Delete, Reshare)~~	As mentioned in RFP, Enterprise file sync and share software can be native or integrated with third-party
84	35h	Tenants, Groups & Users - Only giving specific users or organisations access to certain assets & time limit the access	~~Tenants, Groups & Users - Only giving specific users or organisations access to certain assets & time limit the access~~	As mentioned in RFP, Enterprise file sync and share software can be native or integrated with third-party
85	35i	Large File Support (>4 GB)	~~Large File Support (>4 GB)~~	As mentioned in RFP, Enterprise file sync and share software can be native or integrated with third-party
86	35j	Sharing Assets Securely - Sharing assets securely with no file size limitations & revocable access	~~Sharing Assets Securely - Sharing assets securely with no file size limitations & revocable access~~	As mentioned in RFP, Enterprise file sync and share software can be native or integrated with third-party

87	Eligibility Crieteria	With reference to subject mention tender number, we kindly request you to relax the below criteria as we want to participate in this tender. 1.Minimum Average Annual Turnover of the bidder (For 3 Years) – 3000 LAKHS 2.OEM Average Turnover (Last 3 Years) – 3000 LAKHS Or MSE Exemption for Years of Experience and Turnover : YES		No change, As Per RFP
88	Minimum Technical specifications: **Page No 5 of 12 (Point 1)**	Array/Appliance with 5PB usable Space in a three-site configuration i.e. GSDC Gandhinagar, Near DR- Vadodara, Far-DR Bhubaneshwar. (Usable space means amount of storage space that will be available for storage after all system overheads are accounted for including but not limited to data protection, metadata, space required for objects pending garbage collection, etc.)	Request you to please share the breakup of 5PB on how it needs to be split between GSDC Gandhinagar, Near DR- Vadodara, Far-DR Bhubaneshwar or is the asked 5PB capacity required at each of the above sites.	please check corrigendum
89	Minimum Technical specifications: **Page No 5 of 12 (Point 3)**	Proposed Object storage must provide automatic balancing of the stored capacity across all nodes in a cluster, ensuring data gets distributed across all nodes. When new nodes are added or removed from the cluster, existing data should be redistributed among all nodes.	Request that automatic ability to redistribute data be asked for. Otherwise rebalancing of data would be time consuming and error prone process. **Request clause be changed to:** Proposed Object storage must provide automatic balancing of the stored capacity across all nodes in a cluster, ensuring data gets distributed across all nodes. When new nodes are added or removed from the cluster, existing data should be automatically redistributed among all nodes.	As per RFP
90	Minimum Technical specifications: **Page No 5 of 12 (Point 5)**	Proposed object storage should support NL-SAS, SATA and SSD drives	Since NL-SAS and SATA drives are the same with difference only in connectivity, request that the clause be changed to below which would help Dell to qualify and participate for this opportunity. Also in the point 18 of the RFP the type of drives asked is SATA/NL-SAS. **Request clause be changed to:** Proposed object storage should support **NL-SAS/SATA and SSD** drives	please check corrigendum

91	Minimum Technical specifications: **Page No 5 of 12 (Point 6)**	Offered storage should offer read-only, point-in-time copies (snapshots)/versioning, at the granularity of object.	Object storage do not offer snapshots, snapshots are a filesystem concept. An equivalent technology in object storage is versioning, request that the clause be changed to below. Offered storage should offer enabling version at bucket level	please check corrigendum
92	Minimum Technical specifications: **Page No 5 of 12 (Point 10)**	The system must support Role Base Access Control with Integration with Active Directory and LDAP.	RBAC is a filesystem concept, similar feature in object storage is called IAM (Identity and access management). Request the clause be changed to below: **Request clause be changed to:** The system must support IAM and Integration with Active Directory and LDAP.	please check corrigendum
93	Minimum Technical specifications: **Page No 5 of 12 (Point 12)**	The system must be able to support Anti-Virus Scanning	As per recent threats, ransomware is a bigger threat than virus. Therefore request the clause be changed to below: **Request clause be changed to:** The system must be able to support Anti-Virus Scanning/ Anti Ransomware solution	please check corrigendum
94	Minimum Technical specifications: **Page No 5 of 12 (Point 16)**	All the required or necessary licenses must be perpetual and should be provided for the entire capacity. This should include licenses for Management and monitoring module and all features such as Thin provisioning, point-in-time copies (Snapshot), Replication, and share etc. in case of further capacity upgrade, tenderer should not incur additional license cost.	Thin provisioning, snapshots are filesystem concepts. Also with capacity upgrade, additional licenses would be needed for the additional capacity being added. Request the clause be changed to below: **Request clause be changed to:** All the required or necessary licenses must be perpetual and should be provided for the entire offered capacity. This should include licenses for Management and monitoring module and all features offered by the storage. Storages should be licensed for the entire capacity offered per site, without any consideration of the type of data in the storage (eg replicated data or original data)	please check corrigendum

95	Minimum Technical specifications: **Page No 6 of 12 (Point 28)**	Object storage system must be able to dynamically grow from three site configuration to four site configuration while supporting the data protection requirements in each site, such that any one site could become primary at any time. The RTO of such failover, including both data and metadata, at the object storage level, must be zero. Similarly, RPO for object storage shall be zero or near-zero. Object storage system shall be capable of self-healing (without manual interventions) for outages up to one week in duration.	Object storage across sites are active active for read/write operations, and therefore do not have the concept of primary site. **Request that the clause be changed to below:** Object storage system must support a multi-site active-active architecture where data can span across multiple geographic locations, and provide a global namespace with anywhere read and write access. Object storage system must be able to dynamically grow from three site configuration to four site configuration while supporting the data protection requirements in each site. RPO for object storage shall be zero or near-zero. Object storage system shall be capable of self-healing (without manual interventions) for outages up to one week in duration.	please check corrigendum
96	Minimum Technical specifications: **Page No 6 of 12 (Point 30)**	Bidder must ensure that object storage should be configured to protect from no data loss and data unavailability in the case of both scenarios occurring one by one (a) simultaneous failure of any 3 disks, including SSD (b) simultaneous failure of any 2 nodes/controllers	**Request this clause be changed to:** Bidder must ensure that object storage should be configured to protect from no data loss and data unavailability in the case of both scenarios occurring one by one (a) simultaneous failure of any 3 disks, including SSD (b) simultaneous failure of any 2 nodes A node is defined as the portion of the storage system responsible for erasure coding and storing the object data	please check corrigendum
97	Minimum Technical specifications: **Page No 6 of 12 (Point 34)**	Migration from existing storage to proposed object storage (approx. 1PB)	**Request to please clarify / share details on the below points on migration from existing storage:** **1. Permissions for Files/Folders to be preserved post migration to Object Storage?** **2. Estimated amount of Data and number of shares?** **3. Does each shares to be migrated on to a separate bucket?** **4. Is there any CIFS / SMB shares present in current storage? If yes Bifurcation of CIFS / NFS share data size**	Permissions to be preserved. CIFS/NFS shares in ratio of approx 60%/40%. Other details will be provided to successful bidder
98	Minimum Technical specifications: **Page No 6 of 12 (Point 35B)**	Metadata	Need brief elaboration on this point as to what exactly is required	35b is pertaining to Enterprise File sync and share software. Metadata of file/folder
99	Minimum Technical specifications: **Page No 6 of 12 (Point 35C)**	File Locking - Lock files to prevent users from making concurrent edits that could cause file conflicts. Users are notified when files are locked	Request you to please remove this point, for this feature a entire separate module/solution is required & cannot be included as part of the current file, sync and share solution requirement.	As per RFP
100	Minimum Technical specifications: **Page No 6 of 12 (Point 35E)**	File Tagging - Add specific tags to your files. This feature allows smart filtering of files and works with shared files as well	**Request clause be changed to:** File tagging should be available with subject and message facility for the recipients.	As per RFP

101	**Additional Clarification Required for File sync and share software**	Number of End user license (We provide Client server architecture)	Request you to please confirm the number of users/sharers who would be using the file sync and share software. The licenses are perpetual in nature but licensing is based on number of number of end users.	10000 users, concurrency atleast 1000 users. Additional user licenses if required, can be purchased at the same rate during the contract period. All required hardware, software or any other componenet including licenses has to be provided by bidder
102	**Additional Clarification Required for File sync and share software**	Failover is required or not	Request you to please confirm/clarify if failover feature is required for file sync and share solution or not.	Solution should be highly available in nature without single point of failure
103	**Additional Clarification Required for File sync and share software**	Solution requires a server (Virtual/Physical)	The asked solution would require Virtual/Physical server so request you to please confirm that the same would be provided by GSDC for implementation of the solution. The required sizing would be shared based on the number of users.	10000 users, concurrency atleast 1000 users. Additional user licenses if required, can be purchased at the same rate during the contract period. All required hardware, software or any other componenet including licenses has to be provided by bidder
104	**Minimum Technical Specification Page no-5**	Proposed object storage should support NL-SAS, SATA and SSD drives / 18 .Type of Drive: SATA/ NL-SAS	Type of drives supported – SSD and NL-SAS Metadata will be stored on SSD's and data will be stored on NL-SAS drives	please check corrigendum
105	**Minimum Technical Specification Page no-6**	34. Migration from existing storage to proposed object storage (approx. 1PB)	Existing storage type – is the customer using NAS and wants to migrate data from NAS to Object storage ? This will help us understand existing storage and how data will be migrated to object storage	Permissions to be preserved. CIFS/NFS shares in ratio of approx 60%/40%. Other details will be provided to successful bidder
106	**Minimum Technical Specification Page no-6**	35. Enterprise file synchronization and sharing software services to enable users to securely synchronize and share documents from end devices (laptop, mobile, pc,etc.) Minimum File sync and share software features :	1. What is the volume of file transfers from end device ? 2. How many internal applications/ users ? 3. How many external applications /users ? 4. What is the size of files ? Average file size / Max file size ? 5. What is the max file size during the pear hour? How many peak hours will be there in a day? 7. File retention period – weeks, 15 days, 1 months, 6 months etc ? 8. File system – Cloud storage ? 9. What are the types of files – txt. Csv. Xml. Pdf. Etc 10. What protocols to be used? SFTP, FTPS, HTTPS etc. The given queries will help us understand, How data will be written from end point devices and, the volume/type of data that needs transferring	No fixed volume; 10000 users, concurrency atleast 1000 users. Additional user licenses if required, can be purchased at the same rate during the contract period. All required hardware, software or any other componenet including licenses has to be provided by bidder; file size from few KB to GBs/TBs. Entire Solution should be on-premise and not cloud based. All types of files. All secure protocols

107	**Warranty Support Page no-3**	Bidder shall provide the performance warranty in respect of performance of the installed hardware and software to meet the performance requirements and service levels in the bid.	What is the throughput/ performance requirement? This will help us design the solution that can meet the required performance	Already provided in RFP scope and technical specs
108	**Additional queries**		How many number of application Users are going to use file Sync and Share?	10000 users, concurrency atleast 1000 users. Additional user licenses if required, can be purchased at the same rate during the contract period. All required hardware, software or any other componenet including licenses has to be provided by bidder;
109	**Additional queries**		How many concurrent users are expected to access the file? What would be the average file size transfer?	10000 users, concurrency atleast 1000 users. Additional user licenses if required, can be purchased at the same rate during the contract period. All required hardware, software or any other componenet including licenses has to be provided by bidder;
110	**Additional queries**		What is per user storage space requirement?	10000 users, concurrency atleast 1000 users. Additional user licenses if required, can be purchased at the same rate during the contract period. All required hardware, software or any other componenet including licenses has to be provided by bidder;
111	**Terms & Conditions Queries**	Warranty should not become void, if DST/GIL buys, any other supplemental hardware from a third party and installs it within these machines under intimation to the bidder. However, the warranty will not apply to such supplemental hardware items installed.	The client must not add/ replace with any non-OEM hardware within the supplied machines. Third party items can be used outside the machines in conjuction with the supplied solution. Hoever, Bidder won't be responsible for SLA/ performance if it is found that the non-compliance of SLA/ performance is caused by the third-party machines.	As per RFP

Implementation Timeline and Penalties

S/n	Work Type	Time Limit for Execution	Penalty for Delay	Maximum Penalty	Remark 1	Remark 2
1	Supply of the material including Licenses & OEM Warranty Certificate.	T1=T+30 days from the date of issuance of work order	5% of order value of delayed/ pending work per week or part thereof	10% of order value	Supply within T1=T+90 days from the date of issuance of Work Order. This is going to be a custom and highly specialized order. With ongoing supply chain issues thooughout the world the supply may take longer than standard time.	Overall Penalty cannot be more than 10% of the order value
2	Installation, commissioning & integration	T2=T1+30	5% of order value of delayed/ pending work per week or part thereof	10% of order value	T2=T1+60 Days	
3	Final Acceptance Testing (FAT)	T3=T2+15 day	5% of order value of delayed/ pending work per week or part thereof	10% of order value	Any delay due to DST/ GIL will not be considered within the 15 days time period specified and for calculation of penalty.	
4	Training	15 Days from	Rs. 1000/- day	Rs. 25000/-	Ok	

112 — please check corrigendum

113	**PRICE BID SCHEDULE:**	Capex-Cost of object storage with 5 PB usable Space in a three-site configuration and Enterprise file sync and share software (native or integrated with third-party): Inclusive of all the required hardware, Software and necessary Licenses required to make the solution fully functional. As per the Scope of work, functional and technical requirement, including all cable & accessories, Installation, testing, commissioning and training etc. Propose solution - Cost for 1st year Comprehensive warranty and OEM Support Propose solution - Cost for 2nd year Comprehensive warranty and OEM Support Propose solution - Cost for 3rd year Comprehensive warranty and OEM Support Propose solution - Cost for 4th year Comprehensive warranty and OEM Support Propose solution - Cost for 5th year Comprehensive warranty and OEM Support	All Hardware will include with 3 years Comprehensive warranty and OEM Support. 4th & 5th Yr Comprehensive warranty and OEM Support will be quoted separately for Hardware. All Software will include 1st year Comprehensive warranty and OEM Support as part of the License cost. 2nd to 5th Yr Comprehensive warranty and OEM Support will be quoted as per the prescribed format.	As per RFP
114	**Eligibility Criteria**	Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 80% of bid quantity, in at least one of the last three Financial years before the bid opening date to any Central / State Govt Organization / PSU / Public Listed Company. Copies of relevant contracts (proving supply of cumulative order quantity in any one financial year) to be submitted along with bid in support of quantity supplied in the relevant Financial year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion	Can bidder attach OEM experience certificate against this criteria clause As in additional Eligibilty criteria sheet point no 5 & 6 refer to supplied by bidder & implemented by OEM	No,this is GEM General clause, please check corrigendum, Bidder has to submit bidder experience certificate (**SR-NO-5** , as mentioned in Additional Eligibility Evaluation Criteria) and for OEM experience certificate (**SR-NO-6** , as mentioned in Additional Eligibility Evaluation Criteria) and other eligibility crieteria as mentioned in RFP . Bidders are requeted to read RFP carefully. Also , Note that-As mentioned in RFP Bidder's experience, bidder's turn over criteria will not be considered of GeM bid. However, bidder must match eligibility criteria, experience, bidder's turn over criteria, etc. as mentioned in RFP(additional Eligibilty criteria) and will be considered for evaluation.
115	5	Proposed object storage should support NL-SAS, SATA and SSD drives / 18 .Type of Drive: SATA/ NL-SAS	Type of drives supported – SSD and NL-SAS	please check corrigendum
116	5	Data Protection: All Data should be available even if 1 or 2 sites failed and multiple disks at a site are failed	Please change to, "Data Protection: All Data should be available even if 1 site fails and multiple disks at a site fail"	please check corrigendum
117	6	Migration from existing storage to proposed object storage (approx. 1PB)	Existing storage type – is the customer using NAS and wants to migrate data from NAS to Object storage ?	make and model : NetApp FAS 8200
118	6	Enterprise file synchronization and sharing software services to enable users to securely synchronize and share documents from end devices (laptop, mobile,	1. What is the volume of file transfers from end device ? 2. How many internal applications/ users ? 3. How many external applications /users ? 4. What is the size of files ? Average file size / Max file size ? 5. What is the max file size during the pear hour? How many peak hours will be there in a day?	No fixed volume; 10000 users, concurrency atleast 1000 users. Additional user licenses if required, can be purchased at the same rate during the contract period. All required hardware, software or any other componenet including licenses has to be provided by bidder; file size from few KB to GBs/TBs. Entire

		pc,etc.) Minimum File sync and share software features :	7. File retention period – weeks, 15 days, 1 months, 6 months etc ?	Solution should be on-premise and not cloud based. All types of files. All secure protocols
			8. File system – Cloud storage ?	
			9. What are the types of files – txt. Csv. Xml. Pdf. Etc	
			10. What protocols to be used? SFTP, FTPS, HTTPS etc.	
119	3	Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 80% of bid quantity, in at least one of the last three Financial years before the bid opening date to any Central / State Govt Organization / PSU / Public Listed Company. Copies of relevant contracts (proving supply of cumulative order quantity in any one financial year) to be submitted along with bid in support of quantity supplied in the relevant Financial year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion	Can bidder attach OEM experience certificate against this criteria clause	No,this is GEM General clause, please check corrigendum, Bidder has to submit bidder experience certificate (**SR-NO-5** , as mentioned in Additional Eligibility Evaluation Criteria) and for OEM experience certificate (**SR-NO-6** , as mentioned in Additional Eligibility Evaluation Criteria) and other eligibility crieteria as mentioned in RFP . Bidders are requeted to read RFP carefully. Also , Note that-As mentioned in RFP Bidder's experience, bidder's turn over criteria will not be considered of GeM bid. However, bidder must match eligibility criteria, experience, bidder's turn over criteria, etc. as mentioned in RFP(additional Eligibilty criteria) and will be considered for evaluation.
120	3	Bidder shall provide the performance warranty in respect of performance of the installed hardware and software to meet the performance requirements and service levels in the bid.		As per RFP.
121		What are the FAT requirements?		Please refer RFP .
122		What are the criteria for the FAT acceptance?		Please refer RFP .
123		How many exact number of application Users who will be using file Sync and Share?		
124		How many concurrent users expected to access the file with average file size transfer?		No fixed storage per user; 10000 users, concurrency atleast 1000 users. Additional user licenses if required, can be purchased at the same rate during the contract period. All required hardware, software or any other componenet including licenses has to be provided by bidder;
125		What is per user storage space requirement?		
126		The Bidder should have supplied similar object storage, in at least one of the last four financial years before the bid opening date to any Central / State Govt Organization / PSU / Large Public Listed Company. Copies of relevant contracts (proving supply of cumulative order quantity in any one financial year) to be submitted along with bid in support of quantity supplied in the relevant financial year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.	The Bidder/OEM should have supplied similar object storage, in at least one of the last four financial years before the bid opening date to any Central / State Govt Organization / PSU / Large Public Listed Company. Copies of relevant contracts (proving supply of cumulative order quantity in any one financial year) to be submitted along with bid in support of quantity supplied in the relevant financial year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.	No change, As per RFP
127		Warranty should not become void, if DST/GIL buys, any other supplemental hardware from a third party and installs it within these machines under intimation to the bidder. However, the warranty will not apply to such supplemental hardware items installed.	The client must not add/ replace with any non-OEM hardware within the supplied machines. Third party items can be used outside the machines in conjuction with the supplied solution. Hoever, Bidder won't be responsible for SLA/ performance if it is found that the non-compliance of SLA/ performance is caused by the third-party machines.	As per RFP

128		S/n	Description	Remark	As per RFP
		1	Capex-Cost of object storage with 5 PB usable Space in a three-site configuration and Enterprise file sync and share software (native or integrated with thirdparty): Inclusive of all the required hardware, Software and necessary Licenses required to make the solution fully functional. As per the Scope of work, functional and technical requirement, including all cable & accessories, Installation, testing, commissioning and training etc.	All Hardware will include with 3 years Comprehensive warranty and OEM Support. 4th & 5th Yr Comprehensive warranty and OEM Support will be quoted separately for Hardware. All Software will include 1st year Comprehensive warranty and OEM Support as part of the License cost. 2nd to 5th Yr Comprehensive warranty and OEM Support will be quoted as per the prescribed format.	
		1.1	Propose solution - Cost for 1st year Comprehensive warranty and OEM Support		
		1.2	Propose solution - Cost for 2nd year Comprehensive warranty and OEM Support		
		1.3	Propose solution - Cost for 3rd year Comprehensive warranty and OEM Support		
		1.4	Propose solution - Cost for 4th year Comprehensive warranty and OEM Support		
		1.5	Propose solution - Cost for 5th year Comprehensive warranty and OEM Support		
			Total Cost		

Procurement of Object storage with 5 PB usable Space in a three-site configuration (i.e., GSDC Gandhinagar, Near DR- Vadodara, Far-DR Bhubaneshwar) on Behalf of Department of Science and Technology.

Additional Eligibility Evaluation Criteria:

S/N	Eligibility Criteria	Attachments
1.	The bidder would be a company registered/incorporated under Indian company Act. and must have 5 years of existence in India.	Copy of certificate of Incorporation/PAN/ GST registration Certificate.
2.	Bidder should be an established IT System Integrator and should have been engaged in similar IT projects/solutions business for a period of at least five years as on the last date of BID submission.	Work Orders / Client Certificates confirming year and area of activity should be enclosed.
3.	The bidder must have average annual turnover of Rs. 30 Crore (Minimum) in any three financial years out of last four Financial Year as on 31st March 2022.	The copies of Audited Annual Accounts/Balance Sheet along with Profit & Loss Account and CA Certified Statement for last three financial years as on 31st March 2022 shall be attached along with the bid.
4.	The bidder must have positive Net worth or should be Profit making in any three financial years out of last four Financial Year as on 31st March 2022.	The copies of CA Certified Statement for last three financial years as on 31st March 2022 shall be attached along with the bid.
5.	The Bidder should have supplied similar object storage, in at least one of the last **four** financial years before the bid opening date to any Central / State Govt Organization / PSU / ~~Large~~ Public Listed Company/ **Enterprise (Domestic or Globally) / BFSI**. Copies of relevant contracts (proving supply of cumulative order quantity in any one financial year) to be submitted along with bid in support of quantity supplied in the relevant financial year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.	Details of such projects undertaken along with work order/purchase order copy/clients' on-going or completion certification/letter signed/ e-mail issued by authorized signatory or company secretary with the details w.r.t to the clause should be enclosed.
6	The OEM should have implemented the proposed object Storage solution to any Central / State Govt Organization / PSU /~~Large~~ Public Listed Company **/ Enterprise (Domestic or Globally) / BFSI**.	Details of such projects undertaken along with work order/purchase order copy/clients' on-going or completion certification/letter signed/ e-mail issued by authorized signatory or company secretary with the details w.r.t to the clause should be enclosed.
7.	The bidder should be authorized by its OEM to quote this bid as authorized representative, bid compliance and after sales support. The bidder should have a back-to-back support agreement/arrangement for services including supply of spare parts etc. with the Original Equipment Manufacturer (OEMs).	Please upload the copy of Authorization on OEM letterhead and signed by authorized signatory for the item(s) to be offered in this bid

8.	Bidder and OEM should not be blacklisted by any Ministry of Government of India or by any State Government of India or any of the Government PSUs as on the last date of BID submission.	Self-Declaration/Certificate/affidavit mentioning that the Bidder and OEM is not blacklisted as per the clause.
9.	The Bidder should have at least one office in Gujarat which can provide 24x7 technical support & service to meet SLA, in case the Bidder is not having any office in Gujarat, then bidder should submit a letter of undertaking to open the office in Gujarat within 45 days from the date of award.	The copy of Property tax bill/Electricity Bill/Telephone Bill/GST/CST, etc. should be enclosed.

1) **All details and the supportive documents for the above should be uploaded in the GeM bid.**

2) **Bidder's experience, bidder's turn over criteria will not be considered of GeM bid. However, bidder must match eligibility criteria, experience, bidder's turn over criteria, etc. as mentioned above (& in this document) and will be considered for evaluation. EMD and PBG should submitted by bidder as per GEM.**

Clarification regarding this Tender: Bidders can seek written clarifications up to 7 days after bid publishing date by email to ddict-gil@gujarat.gov.in & mgrhninfra1-gil@gujarat.gov.in No bid queries would be entertained post completion of timeline.

Scope of work:

1. The scope is to supply Object storage with 5 PB usable Space in a three-site configuration (i.e., GSDC Gandhinagar, Near DR- Vadodara, Far-DR Bhubaneshwar.), install, configure, test and commission the required hardware, software (including all active and passive components and sub-components) and necessary licenses, if any along with the 5 years of Comprehensive warranty and OEM Support at GSDC.

2. The objective of this RFP to deploy and implement Scalable Object-based Storage Solution of 5 Peta Byte (PB) Usable capacity which needs to be stretched across three sites i.e., GSDC Gandhinagar, Near DR- Vadodara, Far-DR Bhubaneshwar and an Enterprise file sync and share software (native or integrated with third-party)

3. The licenses should be in the name of Department of Science and Technology, Government of Gujarat valid perpetual for life.

4. The OEM support credentials should in name of DST/GIL and handed over to GSDC/DST/GIL.

5. The bidder is responsible for physical connectivity (within site) of the proposed solution. The required ports on switch for such connectivity will be provided.

6. The Bidder shall configure the proposed solution in such a way that it should comply with all the policies of the Gujarat State Data Centre.

7. The bidder is required to submit the certification from the OEM of the proposed solution confirming successful implementation, testing, commissioning, and

satisfactory deployment of the proposed solution based on the industry best practices as a part of FAT.

8. OEM professional should be available onsite for solution design and implementation

9. The bidder shall have to provide various documents like technical document of delivered product, Standard Operating Procedures Templates, Troubleshooting guide, "How-To" knowledge base, Escalation matrix etc.

10. Successful bidder in coordination with the representatives from the TENDERER/GIL is required to conduct FAT of the solution.

11. The successful bidder shall be responsible for obtaining installation, commissioning and FAT certificate (Sign-off) on completion of the work as per the scope of work, functional and technical requirements. The installation, commissioning and migration shall be carried out by the OEM.

12. The Successful bidder shall be responsible for rectification of discrepancies identified by the TPA/any other authorized representative while conducting FAT. Further on rectification of all the discrepancies identified during the FAT, TENDERER/GIL representative will re-conduct the FAT or if agreed FAT will be signed.

13. After FAT, successful bidder has to handover to existing Data Center Operator for O&M.

14. During the term of the contract, if any disk is required to be replaced for any reasons then the existing disk needs to be kept with GSDC and wont be returned back

15. The bidder should be authorized by its OEM to quote this bid for the authenticity, authorized representation and after sales support. The maximum response time to attend any onsite call should not exceed 4 hours from the initial call to the response center. The bidder is required to arrange back-to-back support agreement/arrangement for services including supply of spare parts with 24 hours repair/replacement time commitment.

16. The offered products should not be declared by OEM "~~end-of-sale and~~ end-of-support" for at least 7 years from the date of FAT sign off. The OEM is required to submit the undertaking for the same on their letter pad.

Warranty Support: As part of the warranty services bidder shall provide:

1.1. Bidder shall provide a comprehensive on-site free warranty for 5 years from the date of FAT for proposed solution.

1.2. Bidder shall also obtain the five-year OEM premium support (ATS/AMC) on all licensed software, hardware and other equipment for providing OEM support during the warranty period.

1.3. Bidder shall provide the comprehensive manufacturer's warranty and support in respect of proper design, quality and workmanship of all hardware, equipment, accessories etc. covered by the bid. Bidder must warrant all hardware, equipment, accessories, spare parts, software etc. procured and implemented as per this bid against any manufacturing defects during the warranty period.

1.4. Bidder shall provide the performance warranty in respect of performance of the installed hardware and software to meet the performance requirements and service levels in the bid.

1.5. Bidder is responsible for sizing and procuring the necessary hardware and software licenses as per the performance requirements provided in the bid. During the warranty period bidder, shall replace or augment or procure higher-level new equipment or additional licenses at no additional cost in case the procured hardware or software is not adequate to meet the service levels.

1.6. Mean Time between Failures (MTBF): If during contract period, any equipment has a hardware failure on four or more occasions in a period of less than three months, it shall be replaced by equivalent or higher-level new equipment by the bidder at no cost. For any delay in making available the replacement and repaired equipment's for inspection, delivery of equipment's or for commissioning of the systems or for acceptance tests / checks on per site basis, DST/GIL reserves the right to charge a penalty.

1.7. During the warranty period bidder, shall maintain the systems and repair / replace at the installed site, at no charge, all defective components that are brought to the bidder notice.

1.8. The bidder shall as far as possible repair/ replace the equipment at site.

1.9. Warranty should not become void, if DST/GIL buys, any other supplemental hardware from a third party and installs it within these machines under intimation to the bidder. However, the warranty will not apply to such supplemental hardware items installed.

1.10. The bidder shall carry out quarterly Preventive Maintenance (PM), including cleaning of interior and exterior, of all hardware, if any, and should maintain proper records at each site for such PM. Failure to carry out such PM will be a breach of warranty and the warranty period will be extended by the period of delay in PM.

1.11. Bidder shall monitor warranties to check adherence to preventive and repair maintenance terms and conditions.

1.12. Bidder shall ensure that the warranty complies with the agreed Technical Standards, Security Requirements, Operating Procedures, and Recovery Procedures.

1.13. Bidder shall have to stock and provide adequate onsite and offsite spare parts and spare component to ensure that the uptime commitment as per SLA is met.

1.14. Any component that is reported to be down on a given date should be either fully repaired or replaced by temporary substitute (of equivalent configuration) within the time frame indicated in the Service Level Agreement (SLA).

1.15. Bidder shall develop and maintain an inventory database to include the registered hardware warranties.

1.16. To provide warranty support effectively, OEM should have spare depo in India and will be ask to deliver spare as per SLA requirement.

1.17. After completion of 5 years warranty/ CAMC period, if required, DST/GIL may extend the warranty/CAMC support for further period of 2 years (6th year and 7th year) on the derived rates of average cost of 5 years CAMC cost quoted. Bidder is required to provide the undertaking for the same mentioning that they will provide 6th year and 7th year warranty/ CAMC support.

Minimum Technical specifications:

1	Array/Appliance with 5PB usable Space in a three-site configuration i.e., GSDC Gandhinagar, Near DR- Vadodara, Far-DR Bhubaneshwar **distributed geographically to provide 2 PB usable at GSDC, 1PB usable at Near-DR and 2PB usable at Far-DR**. (Usable space means amount of storage space that will be available for storage after all system overheads are accounted for including but not limited to data protection, metadata, space required for objects pending garbage collection, etc.)
2	The object storage cluster shall be scalable to minimum 50 PB in a single cluster/ namespace by adding drives and nodes.
3	Proposed Object storage must provide automatic balancing of the stored capacity across all nodes in a cluster, ensuring data gets distributed across all nodes. When new nodes are added or removed from the cluster, existing data should be redistributed among all nodes.
4	Storage system must be offered with no single point of failure
5	Proposed object storage should support **NL-SAS/SATA and SSD drives**
6	**Offered storage should provide versioning at the granularity of object/bucket.**
7	Storage should be offered with the capability of data reduction. Licenses should be provided from day one for entire capacity. Storage should support encryption, auto-configuration and self-healing features.
8	The system must support encrypting data at rest.
9	The system must be able to support Write Once Read Many (WORM)
10	**The system must support Role Base Access Control or equivalent mechanism with Integration with Active Directory and LDAP.**
11	The system must be able to support System audit trail
12	The system must be able to support Anti-Virus Scanning **or able to integrate with third party anti-virus solution**
13	The system should have automated system integrity and data integrity checks built in to prevent data loss data integrity issues due to data inconsistencies or object corruption
14	The storage system should have support to provide protection against ransomware **or able to integrate with third party ransomware protection solution.**
15	All devices should be IPv6 implementation ready from day 1
16	**All the required or necessary licenses must be perpetual and should be provided for the entire offered capacity. This should include licenses for Management and monitoring module and all other features of the object storage.**
18	Type of Drive: SATA/ NL-SAS
19	**Specialized ToR 10/25 Gbe or higher with High Availability as Quoted (if required) Switches per rack**
20	**Data Protection: All Data should be available even if one site failed and multiple disks (minimum 4) at a site are failed**
21	Protocols Supported by the Storage from day 1: S3, REST API, HTTP, HTTPS, etc
22	Must provide access for a variety of operating systems (UNIX, Mac, Linux, and Windows latest and legacy versions)

23	Built in self-healing; automatic failure detection Global namespace with active data access and modification; support for nodes of different generations; should be expandable vertically with the addition of disks and horizontally with the addition of nodes; vertical expansion must be nondisruptive; Support for metadata search: all disk and controller rebuilds should leverage protection within same site and should not consume WAN bandwidth to greatest extent feasible and meta-data search should be fast and accordingly SSD should be factored for metadata storage; should offer content protection using replication and Erasure coding irrespective of object size; support for multi tenancy and quota limits; metering capability; built in dashboard for capacity, object count etc.; support for audit trails; REST API support for advanced monitoring and management
24	Under no conditions shall a capacity expansion lead to a reduction in system throughput.
25	Garbage collection process must be dynamically tunable while meeting throughput requirements without impacting GET/ PUT latency.
26	Throughput of 1GBPS up to 6K (per 1 PB usable capacity) transactions per second with 500KB size, assuming 25% PUT, 25% DEL, 50% GET. Growth to 600k transactions per second. System background tasks are not included in the transaction rate.
27	Object storage system must provide for ability to recover objects deleted by end-users and/or systems administrators via API for at least 7 days. The time period that objects can remain recoverable must be dynamically tunable.
28	Object storage system must be able to dynamically grow from three site configuration to four site configuration while supporting the data protection requirements in each site. The RTO of such failover, including both data and metadata, at the object storage level, must be zero. Similarly, RPO for object storage shall be zero or near-zero. Object storage system shall be capable of self-healing (without manual interventions) for outages up to one week in duration.
29	Bidder must ensure if Load balancer and Network Switches are recommended to integrate object storage, then same must be offered in redundant config and must be sized to offer the asked throughput. Bidder must ensure that Load Balancer supplied should be scalable
30	Bidder must ensure that object storage should be configured to protect from no data loss and data unavailability in the case of both scenarios occurring one by one (a) simultaneous failure of any 4 disks, including SSD (b) simultaneous failure of any 2 nodes/controllers.
31	Scope of supply must include installation, commissioning & integration together with all necessary software, hardware, licenses, racks, iPDU, power cord, or any other component for the working of the solution etc to make the system fully functional as intended.
32	Should have ability to identify and tag data depending on content with the ability to search based on meta-data
33	Should support Object Sizes varying from few-KBs to few-GBs/TBs
34	Migration from existing storage to proposed object storage (approx. 1PB)
35	Enterprise file synchronization and sharing software services to enable users to securely synchronize and share documents from end devices (laptop, mobile, pc,etc.) Minimum File sync and share software features: 10000 users, concurrency at least 1000 users. Additional user licenses if required, can be purchased at the same rate during the contract period. All required hardware, software or any other component including licenses has to be provided by bidder

35a	Support multi-tenancy and data allocation and segregation per tenant, role based access per tenant	
35b	File Preview Easily search Metadata Version Control Upload singularly or in bulk Share & Distribute files and folders Tenants, Groups & Users wise access Intuitive, modern web-based user interface , RESTful API Integration, Role based access, LDAP directory integration,	
35c	File Locking - Lock files to prevent users from making concurrent edits that could cause file conflicts. Users are notified when files are locked	
35d	File Versioning - Versioning-Feature for files which allows rollback to older file versions	
35e	File Tagging - Add specific tags to your files. This feature allows smart filtering of files and works with shared files as well	
35f	Content Sharing - Sharing of files and more with users via an anonymous link (password protection, expiration date possible)	
35g	Sharing Permission Management - Feature to selectively restrict access to shared content (Create, Edit, Delete, Reshare)	
35h	Tenants, Groups & Users - Only giving specific users or organisations access to certain assets & time limit the access	
35i	Large File Support (>4 GB)	
35j	Sharing Assets Securely - Sharing assets securely with no file size limitations & revocable access	

Uptime: It is required to maintain uptime of 99.741% in line with the existing GSDC uptime. Further, bidder is responsible for providing comprehensive warranty and support (24x7x365) for the period of five years from the date of successful completion FAT.

IMPLEMENTATION TIMELINES & PENALTIES:

Successful bidder has to complete the Installation, Configure, Commissioning, Integration with Acceptance of the ordered work within the time period (s) specified in the below table. However, in case of any delay solely on the part of successful bidder TENDERER reserve the right to levy the appropriate penalties as per the below table:

S/n	Work type	Time Limit for Execution	Penalty for Delay	Maximum Penalty	Overall Penalty Cap
1	Supply of the material including Licenses & OEM Warranty Certificate.	T1=T+30 days from the date of issuance of work order	**0.5%** of order value of delayed/pending work per week or part thereof	10% of order value	Overall Penalty CAP not be more than **10 %** of the

2	Installation, commissioning & integration	T2=T1+30	**0.5%** of order value of delayed/pending work per week or part thereof	10% of order value	order value for IMPLEMENTATION TIMELINES & PENALTIES:
2	Final Acceptance Testing (FAT)	T3=T2+15 days	**0.5%** of order value of delayed/pending work per week or part thereof	10% of order value	
3	Training	15 Days from T3	Rs. 1000/- day.	Rs. 25000/-	

Note:

- Material supplied, installed and commission as per this Bid/contract should be covered under the warranty for a period of five years from the date of FAT.
- T= Date of issuance of work order / LOI.
- In case of any fault arises in the installed items during the warranty period of five years, bidder is requiring to either repair the faulty items or have to install the replacement (complying to the RFP specification) for faulty material without any additional cost to the Tenderer.

- **In case of Non-Compliance of RFP Specification:**

  o Any time during the warranty period it is found that the materials supplied/Installed/commissioned are not as per the specification of the RFP/work order TENDERER reserves the right to ask the successful bidder to replace all such material at free of cost.
  o Successful bidder requires to attend and rectify the non-compliance within seven (7) days of receipt of such notice/information from the DST/GIL. If, successful bidder fails to attend and rectify the same, then successful bidder shall reimburse DST/GIL all costs and expenses incurred for such defect rectification.

Operational Penalty:

- The successful bidder shall repair/ replace all faulty material covered under the warranty within the shortest possible time thus ensuring minimum downtime, failing which applicable penalty will be imposed. In case of failure of appliance / solution for more than 3 consecutive time for the same issue, bidder would be bound to replace the product with no cost to GOG.
- The successful bidder shall be responsible for maintaining the desired performance and availability of the system/services.
- Successful bidder should ensure the prompt service support during warranty period.
- Timeline for resolution is within 24 hours from date of call logged / reported to Bidder/OEM. If the successful bidder fails to resolve the call as specified above, penalty will be imposed on each delayed day for 3000 Rs / Day, which will be recovered against Performance bank guarantee submitted by the successful bidder on completion of warranty period.

FINAL ACCEPTANCE TEST: To be carried out based on followings but not limited to:
- Successful implementation, compliance of all technical and functional specifications and scope mentioned in the RFP

- After successful installation of the System in accordance with the requirements as mentioned in Schedule of Requirement, Final Acceptance Test will be conducted. After successful testing, Acceptance Test Certificate will be issued by DST/its designated agency to the successful bidder. FAT Checklist is as per Form below:
- The date on which Acceptance certificate is issued shall be deemed to be the date of successful commissioning of the System. Warranty and licenses should be valid for period of 5 years from the date of issuance of Acceptance Certificate (FAT).
- Any delay by the successful bidder in the Acceptance Testing shall render the successful bidder liable to the imposition of appropriate Penalties.
- All goods and services that are not specifically asked for certification should have quality standard applicable in India such as ISI.

Sr. No.	Item	Remarks
1	Device Should be configured as per GOG instruction. Should follow ISO Norms as per datacenter.	
2	Device as per the technical specification	
3	Numbering / tagging	
4	Network Architecture – Implementation.	
5	Bill of Materials details	
6	Customer Site completion report.	

ADDITIONAL DOCUMENT TO BE SUBMITTED:

In the technical bid section of GeM, the bidder is required to upload following documents;
1. Brochure and OEM Compliance of the Offered product on OEM Letterhead.
2. BOQ with part-code on OEM letterhead for proposed solution as well as other software and/or hardware components required to complete the solution.
3. Compliance of the SOW, SLA and Payment terms etc as uploaded as part of the GeM Bid on bidder's letterhead.
4. Undertaking as per guidelines published by Ministry of Finance, Dept. of Expenditure, Public Procurement division dated 23.07.2020 in the given format by Bidder as well as OEM.

MIS Reports:

#	Types of Reports	Periodicity

1	- System performance report, which includes CPU, memory, Cache, disks, etc. - All type of event reports - SLA Compliance report - Reports as directed by the State for SLA calculation - Summary of system reboot - Summary of issues / complaints logged with the OEMs. - Patch update status as notified by the OEM	Weekly, Monthly, quarterly
2	- Log of preventive / scheduled maintenance undertaken - Details of Patch, updates, Vulnerability fixes released and implementation status of same - Details of break-fix maintenance undertaken	Monthly, quarterly

SERVICE LEVEL AGREEMENT:

Sr No	Target	Penalty
1	Priority Level 1 Incident - Within 1 hr. Priority Level 2 Incident - Within 6 hr. Priority Level 3 Incident - Within 12hr.	• Level 1 Incident 0.25% of yearly payment for every 2-hr. delay in resolution; with max cap of 10% of total AMC value. • Level 2 Incident 0.25% of yearly payment for every 3-hr. delay in resolution; with max cap of 10 % of total AMC value. • Level 3 Incident 0.25% of yearly payment for every 6 hrs. delay in resolution; with max cap of 10 % of total AMC value.

- Priority Level 1: Complete Solution failure or not in working condition or not accessible.
- Priority Level 2: Solution is not functioning properly due to failure of any hardware/software/part(s)/ component(s) or performance of the solution is down (in terms of latency and response time)
- Priority Level 3: Any other issues except Priority 1 & 2 above

Payment Schedule

1. 80% on successful hardware, software, licenses delivery of Capex
2. 10 % Capex on Successful installation, configuration, integration and migration of approx. 500TB of unstructured data
3. 10 % successful FAT & Training of Capex
4. Payment of 5 years Comprehensive Warranty & OEM Support Charges in five equal instalments at the end of every year.

PRICE BID SCHEDULE:

Sr. No.	Description	Cost including GST (Rs.)
1	Capex-Cost of object storage with 5 PB usable Space in a three-site configuration and Enterprise file sync and share software (native or integrated with third-party): Inclusive of all the required hardware, Software and necessary Licenses required to make the solution fully functional. As per the Scope of work, functional and technical requirement, including all cable & accessories, Installation, testing, commissioning and training etc.	
1.1	Propose solution - Cost for 1st year Comprehensive warranty and OEM Support	
1.2	Propose solution - Cost for 2nd year Comprehensive warranty and OEM Support	
1.3	Propose solution - Cost for 3rd year Comprehensive warranty and OEM Support	
1.4	Propose solution - Cost for 4th year Comprehensive warranty and OEM Support	
1.5	Propose solution - Cost for 5th year Comprehensive warranty and OEM Support	
Total cost (Rs.)		

- Note: L1 will be the lowest sum total of rates of all line items including GST as per GeM GTC.
- TENDERER/GIL may negotiate the prices with L1 Bidder, under each item/head offered by Bidder.
- RA has been enabled in the GEM Bid.
- The Bidder has to submit detailed breakup in separate sealed for proposed solution on or before bid submission date. L1 bidder post RA has also to submit the same within 3 days after RA.
- Bidder has to submit separate sealed cover for EMD & financial break up. Also, subject should be super-scribed on sealed cover.

Sub : Undertaking as per Office Memorandum No.: F. No.6/18/2019-PPD dated 23.07.2020 published by Ministry of Finance, Dept. of Expenditure, Public Procurement division

Ref: Bid Number: _____

I have read the clause regarding restriction on procurement from a bidder of a country which shares a land border with India. I certify that we as a bidder and quoted product from following OEMs are not from such a country or, if from such a country, these quoted products OEM has been registered with competent authority. I hereby certify that these quoted product & its OEM fulfills all requirements in this regard and is eligible to be considered for procurement for Bid number_____.

No.	Item Category	Quoted Make & Model

In case I'm supplying material from a country which shares a land border with India, I will provide evidence for valid registration by the competent authority, otherwise GIL/End user Dept. reserves the right to take legal action on us.

(Signature)
Authorized Signatory of **M/s <<Name of Company>>**

On letterhead of OEM

Sub : Undertaking as per Office Memorandum No.: F. No.6/18/2019-PPD dated 23.07.2020 published by Ministry of Finance, Dept. of Expenditure, Public Procurement division

Ref: Bid Number: _____

Dear Sir,

I have read the clause regarding restriction on procurement from a bidder of a country which shares a land border with India. I certify that our quoted product and our company are not from such a country, or if from such a country, our quoted product and our company have been registered with competent authority. I hereby certify that these quoted product and our company fulfills all requirements in this regard and is eligible to be considered for procurement for Bid number_____.

No.	Item Category	Quoted Make & Model

In case I'm supplying material from a country which shares a land border with India, I will provide evidence for valid registration by the competent authority; otherwise GIL/End user Dept. reserves the right to take legal action on us.

(Signature)
Authorized Signatory of **M/s <<Name of Company>>**