

Corrigendum Number 3 : RFP/1264				
PROCUREMENT, INSTALLATION, COMMISSIONING AND MAINTENANCE OF STORAGE SOLUTION				
Sl. No	RFP Page No	RFP Clause No	Existing Clause	Revised Clause
1	63	4. Number of Racks	17. The proposed solution should accommodate in maximum 630U (maximum 18 racks size i.e. 35U X 18) at each site.	17. The proposed solution should accommodate in maximum 630U (maximum 18 racks size i.e. 35U X 18) at each site. Bidder should try to accommodate the solution in given number of racks, in case the solution mandatorily requires additional racks, upto 20% extra racks may per permitted.
2	64	6. Architecture & Processing power	Architecture & Processing power : Data Integrity 28. Each controller operating in an active- active cluster environment should have mirroring support for the system's write cache must be battery protected with unwritten data in write cache protected for up to 72 hours in event of power failure. Data integrity must be retained in any case.	Architecture & Processing power : Data Integrity 28. Each controller operating in an active- active cluster environment should have mirroring support for the system's write cache must be battery protected or by any other technology with unwritten data in write cache protected for up to 72 hours in event of power failure. Data integrity must be retained in all cases of power failure either via cache battery or any other equivalent technology.
3	64	6. Architecture & Processing power	LAN Port 1 :30. Each controller must have minimum 4 (2 primary and 2 secondary) x 10 Gbps fiber LAN ports or minimum 2 (1 primary and 1 secondary) 25 Gbps or higher fiberLAN ports dedicated for serving iscsi and NFS.	For production storage (Category -1) LAN Port 1 :30. Each controller must have minimum 4 (2 primary and 2 secondary) x 10 Gbps fiber LAN ports or minimum 2 (1 primary and 1 secondary) 25 Gbps or higher fiberLAN ports dedicated for serving iscsi and NFS. For non-production storage only(Category 2): LAN Port 1 :30. Each controller must have minimum 2 (1 primary and 1 secondary) x 10 Gbps fiber LAN ports or minimum 2 (1 primary and 1 secondary) 25 Gbps or higher fiberLAN ports dedicated for serving data replication
4	64	6. Architecture & Processing power	LAN Port 2 :31. Each controller must have minimum 4 (2 primary and 2 secondary) x 10 Gbps fiber LAN ports or minimum 2 (1 primary and 1 secondary) 25 Gbps or higher fiber LAN ports dedicated for serving data replication.	For production storage (Category -1) LAN Port 2 :31. Each controller must have minimum 4 (2 primary and 2 secondary) x 10 Gbps fiber LAN ports or minimum 2 (1 primary and 1 secondary) 25 Gbps or higher fiber LAN ports dedicated for serving data replication. For non-production storage only(Category 2): LAN Port 2 :31. Each controller must have minimum 2 (1 primary and 1 secondary) x 10 Gbps fiber LAN ports or minimum 2 (1 primary and 1 secondary) 25 Gbps or higher fiberLAN ports dedicated for serving data replication
5	65	6. Architecture & Processing power	Connectivity between HA Pairs :34. Scale out architecture should have at least 100 Gbps bandwidth per controller for backend interconnect switches / InfiniBand switches / pci-e based multilane connectivity between all HA pair. It is required for quick migration of datastore from One HA pair to another HA pair.	For Production Storage(Category 1) Connectivity between HA Pairs :34. Scale out architecture should have at least 100 Gbps bandwidth per controller for backend interconnect switches / InfiniBand switches / pci-e based multilane connectivity between all HA pair. It is required for quick migration of datastore from One HA pair to another HA pair. For Non Production Storage(Category 2) Connectivity between HA Pairs :34. Scale out architecture should have at least 50 Gbps bandwidth per controller for backend interconnect switches / InfiniBand switches / pci-e based multilane connectivity between all HA pair. It is required for quick migration of datastore from One HA pair to another HA pair.
6	65	7. Cache Requirements	Cache Requirements -Data Integrity :37. The storage should dynamically allocate Read Cache and Write Cache from the available cache to accommodate the I/O. The storage architecture should provide battery backup to the entire write cache in case of a disaster i.e. Data in cache should be protected against unexpected power failures for 72 hours of time.	Cache Requirements -Data Integrity :37. The storage should dynamically allocate Read Cache and Write Cache from the available cache to accommodate the I/O. The storage architecture should provide battery backup/alternate technology to the entire write cache in case of a disaster i.e. Data in cache should be protected against unexpected power failures for 72 hours of time. Data integrity must be retained in all cases of power failure either via cache battery or any other technology.
7	62	2. Security - Encryption	The Proposed solution should provide self-encrypting drives and Data Encryption at Rest that are AES256, FIPS 140 - 2 and other industry leading encryption algorithm or standards compliant. The proposed encryption should not impact performance.	The Proposed solution should provide self-encrypting drives or Data Encryption at Rest that are AES256, FIPS 140 - 2 and other industry leading encryption algorithm or standards compliant. The proposed encryption should not impact performance.
8	68	Spares	69. System must have capability to designate global hot spares that can automatically be used to replace a failed disk/drive	69. System must have capability to designate global hot spares or Reserve Space Capacity that can automatically be used to replace a failed disk/drive
9	73	Ports	Two Load Balancers of 25Gbps x 4 throughput should be provided for each Cluster Data Center in HA mode	Each Cluster Data Center must provide high availability and support a throughput of 25 Gbps x 4 per load balancer. While the default requirement specifies two external third-party load balancers in HA mode to achieve this, solutions that leverage built-in load balancing mechanisms without external load balancers may also be considered. Such solutions must demonstrate equivalent or superior throughput (25 Gbps x 4 per site) and high availability through internal mechanisms.
10	61	4. Number of Racks- Controllers	Number of Racks Controller s *7. The proposed solution model should have at least 40+40 (PR+DR) Storage Controllers or maximum 10% more at each site in scale out architecture on day one which should be divided in not more than 4 storage clusters per site."	Number of Racks Controller s *7. The proposed solution model should have at least 40+40 (PR+DR) Storage Controllers or maximum 10% more at each site in scale out architecture on day one which should be divided in not more than 6 storage clusters per site.
11	73	Object Storage	Object Storage must support encryption of all object data, at rest	Object Storage must support encryption of all object data, at rest with FIPS 140-2 encryption or higher version.
12	5	Bank Guarantee	Rs 3,00,00,000/- (Rs Five Crore only	Overall Bank Gurantee amount will be Rs 3,00,00,000/-. If bank gives order in multiple phases, then bank guarantee will be pro rata based on Order Value. For Instance if order value is 40% of the discovered cost, the bank gurantee will 40% of Rs 3,00,00,000/-.