

## Responses to Pre Bid Queries -2 - IT Cloud Solutions/FY:2024-25/RFP/1314 Dated: 31/03/2025

Sr No	RFP Page no	RFP Clause no	Existing clause Details	Clarification Sought	Bank Response
1	57	Appendix-B Bidder's Eligibility Criteria	Client references and contact details (email/ landline/ mobile) of customers for whom the Bidder has executed similar projects in India. (Start and End Date of the Project to be mentioned) in the past (At least 2 client references of <b>total 5 Peta Bytes</b> are required)	Query: For 5PB reference. Out of two, for one customer, our PO references are for upgrade (only capacity in one PO. Both capacity and controllers for 2nd PO)  We request bank to clarify if the same will be accepted	No Change, as per RFP  The same may be accepted
2	57	Appendix-B Bidder's Eligibility Criteria	At least 2 Client references along with contact details (email/ landline/ mobile) with install base of minimum 10 Peta Bytes storage total in India of the storage OEM, whose products being proposed as part of this RFP	Clarification Sought: We understand, here the PO references to be provide are for the OEM and not bidder PO. Where in, PO copies provided by OEM (direct order or some other bidder) will be attached.  Kindly confirm or clarify.	No Change, as per RFP  The OEM order reference may be from SI or OEM directly.
3	61	7	Area: Number of Racks Particulars: Controllers  7. The proposed solution model should have at least 80+80 (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 8 storage clusters per site.	Different vendor have different technologies to meet the performance and the contoller count per cluster. since bank has already defined the number of controllers required per cluster, Limiting to 8 cluster would be OEM specific. where a particular OEM has an advantage. There should not be any limit to the cluster count as long we are meeting the number of controller count, performance and rack space criteria. We request Bank to remove the number of cluster count or increase the cluster count to 12.	No Change, as per RFP
4	62	5	Area: Performance Particulars: Disk Size  5. Maximum size of each NVMe storage drive should be less than 30.xx TB with TLC or QLC drives.	Since Bank is asking for huge capacity, we feel using 30TB drives will lead to longer re-build time and in case of multiple drive failure there are chances of RAID groups going to de-grade mode which might leads to higher latency, impact in the performance and chance of data loss. Hence, we request bank to limit the drive size to 15.xx TB or lesser like production storage.	No Change, as per RFP
5	62	7	Area: Number of Racks Particulars: Controllers  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.	Different vendor have different technologies to meet the performance and the contoller count per cluster. since bank has already defined the number of controllers required per cluster, Limiting to 4 cluster would be OEM specific. where a particular OEM has an advantage. There should not be any limit to the cluster count as long we are meeting the number of controller count, performance and rack space criteria. We request Bank to remove the number of cluster count or increase the cluster count to 6.	Please refer Corrigendum No. 1
6	64	17	Area: Number of Racks  17. The proposed solution should accommodate in maximum 630U (maximum 18 racks size i.e. 35U X 18) at each site.	We request bank to clarify if 630U limited to production storage and non production only at each site or total of all sites	Please refer Corrigendum No. 1
7	65	28	Area: Architecture & Processing power Particulars: 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.	Use of battery is a legacy way as the battery may be damaged with time. The technology has evolved over the period and now there are better ways to meet the data integrity. 72 Hours battery backup is OEM specific request bank to change this clause with Must have either Cache battery backup or better technology for fully automatic de- stage of cache to disks during power failure to prevent possible data loss	No Change, as per RFP Invalid query
8	65	29	Particulars: FC Ports  29. Each controller Storage solution must have minimum 8 (4 primary and 4 Secondary) 32Gbps SAN FC ports dedicated for serving SAN requests of Host. Additionally, these ports should also support NVMe over fabric protocol	We request bank to clarify if each controller with primary 4 and secondary 4 refer to the HA pair or single controller.	No Change, as per RFP,  Invalid Query
9	65	30	Particulars: 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 fiber LAN ports dedicated for serving iscsi and NFS.	We request bank to clarify if each controller requires 4 ports of 10 Gbps / 2 ports of 25 Gbps each for iSCSI and NFS, which is almost 80 – 10Gbps /40 – 25Gbps ports per cluster for Production Storage as per banks calculation . Since bank has already asked for almost 160 FC Ports of 32 Gbps per cluster these LAN ports requirement seems to be very high and favouring single vendor . Hence, we request bank to please share the workload would be running on NFS and iSCSI or reduce the number of ports recruitment to 4 ports of 10Gbps or 2 ports of 25 Gbps per HA pair.	No Change, as per RFP

10	65	31	<p>Particulars: LAN Port 2</p> <p>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.</p>	<p>We request bank to clarify if each controller requires 4 ports of 10 Gbps / 2 ports of 25 Gbps each for replication, which is almost 80 – 10Gbps /40 – 25Gbps ports per cluster for production stoarge only dedicated for replication, as per banks calculation. Where in bank is considering only 60% of capacity for replication. Hence ports requirement for replication seems to be very high and favouring single vendor . Hence, we request bank to please reduce the number of ports requirement to 4 ports of 10Gbps or 2 ports of 25 Gbps per HA pair.</p>	No Change, as per RFP
11	66	34	<p>Particulars: Connectivity between HA Pairs</p> <p>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.</p>	<p>We request bank to clarify the need of 100Gbps bandwidth, which is OEM specific and helping particular vendor , Request bank either change and reduce the bandwidth to 50Gbps per controller as it is sufficient for data migration or please share the sizing for 100 Gbps bandwidth requirements per controller for backend connectivity.</p>	No Change, as per RFP
12	67	37	<p>Area: Cache Requirements Particulars: Data Integrity</p> <p>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.</p>	<p>Use of battery is a legacy way as the battery may be damaged with time. The technology has evolved over the period and now there are better ways to meet the data integrity. 72 Hours battery backup is OEM specific request bank to change this clause with Must have either Cache battery backup or better technology for fully automatic de- stage of cache to disks during power failure to prevent possible data loss</p>	No Change, as per RFP Invalid query
13		57 Eligibility SI # 7	<p>Client references and contact details (email/ landline/ mobile) of customers for whom the Bidder has executed similar projects in India. (Start and End Date of the Project to be mentioned) in the past (At least 2 client references of total 5 Peta Bytes are required)</p>	<p>Request SBI to change to : Client references and contact details (email/ landline/ mobile) of customers for whom the Bidder has executed similar projects in India. (Start and End Date of the Project to be mentioned) in the past (At least 2 PO references of total 4 Peta Bytes are required for new PO or augmentation PO)</p>	No Change, as per RFP
14		57 Eligibility SI # 8	<p>At least 2 Client references along with contact details (email/ landline/ mobile) with install base of minimum 10 Peta Bytes storage total in India of the storage OEM, whose products being proposed as part of this RFP.</p>	<p>Request SBI to change to : At least 2 PO references along with contact details (email/ landline/ mobile) with install base of minimum 4 Peta Bytes or above of storage total in India. These storage POs can be of same or similar OEM products being proposed as part of this RFP.</p>	No Change, as per RFP
15	19	11.i.	<p>Bids must be submitted online on GeM portal by the date and time mentioned in the “Schedule of Events” of this RFP.</p>	<p>Both the Clauses are contradictory therfore it is requested to please clarify the online bid submission process / portal.</p>	Please refer Corrigendum No. 1
16	3	1.7	<p>Address for submission of Bids is <a href="https://etender.sbi">https://etender.sbi</a></p>	<p>Kindly Clarify</p>	Please refer Corrigendum No. 1
17		57 Bidder's Eligibility . 7	<p>Client references and contact details (email/ landline/ mobile) of customers for whom the Bidder has executed similar projects in India. (Start and End Date of the Project to be mentioned) in the past (At least 2 client references of total 5 Peta Bytes are required)</p>	<p><b>This clause is restrictive in nature, Therefore, for wider participation it is requested to amend this clause as mentioned below:</b></p> <p>Client references and contact details (email/ landline/ mobile) of customers for whom the Bidder has executed similar projects in India. (Start and End Date of the Project to be mentioned) in the past (At least 2 client references of supply of storage solutions)</p>	No Change, as per RFP