

Corrigendum No. 1 : Supply, Installation, Commissioning and Maintenance of Servers & Storage Solution

IT Cloud Solutions/FY:2025-26/RFP/1371 Dated: 05/08/2025

Sl. No	RFP Page No	RFP Clause No	Existing Clause	Revised Clause
1	173	6.5 Service Level Agreement	The Service Provider shall execute Data Processing Agreement on the format attached as Appendix-B to this RFP. < This term is applicable where the activities for which selection of Vendor/ outsourcing of activities involve access/sharing/transfer of Personal Data/PII of EU/UK NRI customers. STRIKE OFF, IF NOT APPLICABLE.>	The clause stands deleted
2	207	Annexure-B Data Processing Agreement	Data Processing Agreement	The annexure stands deleted

3	86	P Common Specifications - Queries specifically with respect to Category M Servers / 4. Point	<p>For all the categories of the servers mentioned above i.e. from Category 1 to Category 12, the bidder must comply with the specifications below</p> <p>4. Should provide unified management suite that can monitor, configure and manage all the servers from the OEM dashboard deployed in the data center. Required Licenses has to be provided</p>	<p>For all the categories of the servers mentioned from Category 1 to Category 11, the bidder must comply with the specifications below</p> <p>4. Should provide unified management suite that can monitor, configure and manage all the servers from the OEM dashboard deployed in the data center. Required Licenses has to be provided</p> <p>For Category 12 servers, Management suite may be provided separately.</p>
4	84	Rack server Category 12, 4, GPU	Each Node must be configured with Nvidia 8 x B200 180 GB GPUs (SXM) connected via Nvidia Nvlink with NV Switch. Solution should come with all required licenses (including Nvidia AI enterprise / equivalent) for GPU slicing with VMware, Nvidia enterprise tech support, training, Inferencing etc.	Each Node must be configured with Nvidia 8 x B300 288 GB GPUs (SXM) connected via Nvidia Nvlink with NV Switch. Solution should come with all required licenses (including Nvidia AI enterprise / equivalent) for GPU slicing with VMware, Nvidia enterprise tech support, training, Inferencing etc. The GPU must support air cooling technology. Solutions requiring liquid cooling will not be accepted.
5	65	Appendix-C Technical specifications	To qualify in the Technical Evaluation, a Bidder must comply with all the requirements as listed in the table below. Bidder(s) must submit their response in yes or no only, any compliance with qualified statement shall be treated as non-compliance	To qualify in the Technical Evaluation, a Bidder must comply with all the requirements as listed in the table below. Bidder(s) must submit their response in yes or no only, any compliance with qualified statement shall be treated as non-compliance. The Bank may ask for official datasheets with respect to the technical compliance requirements mentioned in Appendix-C. The bidder shall furnish the same as and when required. In case bidder is not able to submit datasheet or compliance with the publicly available documents,

				bank may take suitable decision including disqualification of the bids.
6	97	N.Storage, functional requirements - 62	The Storage array must provide capability for thin and thick provisioning of LUNs along with automatic space reclamation technology	The Storage array must provide capability for thin provisioning of LUNs along with automatic space reclamation technology.
7		Rack server Category 1, 5, 65 Memory	On Day One (with 1.5 TB installed), the memory must operate at a minimum effective speed of 4800 MT/s. After upgrading to 2 TB, the effective memory speed must not fall below 4800 MT/s. A maximum acceptable degradation from 5600 MT/s to 4800 MT/s is permitted due to system design or memory controller constraints.	For Category 1 and Category 2 Servers only: On Day One (with 1.5 TB installed), the memory must operate at a minimum effective speed of 4800 MT/s. After upgrading to 2 TB, the effective memory speed must not fall below 4400 MT/s.
8		Rack server Category 1, 10, Enterprise class NVMe SSD 66 Disk	1 x 4 TB NVMe or higher enterprise class disk	For Category 1 Servers only: 1 x 7.68 TB NVMe or higher enterprise class disk
9		Common : Technical Specifications/Requirements / 3. 86 Operating System	Should be Compatible with Latest Windows server, Red Hat Linux/Openshift and VMware ESXi Server version 8.0 U3/VCF 5.2.x and all later/upgraded/higher versions. Also, the supplied hardware should support all version upgrades coming in next 7 years. If hardware supplied by selected OEM is not compatible with these releases during 7 years from date of commissioning, bidder need to replace hardware with compatible VMware, Windows server, Red Hat Linux/Openshift release without any additional cost to the Bank.	For Category 1 to Category 11 Should be Compatible with Latest and upcoming Windows server, Red Hat Linux/Openshift and VMware ESXi Server version 8.0 U3/VCF 5.2.x and all later/upgraded/higher versions. Also, the supplied hardware should support all version upgrades coming in next 7 years. If hardware supplied by selected OEM is not compatible with these releases during 7 years from date of commissioning, bidder need to replace hardware with compatible Latest and upcoming Windows Servers, VMware, Red Hat Linux/Openshift release without any additional cost to the Bank. For Category 12

				Should be Compatible with Latest and upcoming Red Hat Linux/Openshift andVMware ESXi Server version 8.0 U3/VCF 5.2.x and all later/upgraded/higher versions. Also, the supplied hardware should support all version upgrades coming in next 7 years. If hardware supplied by selected OEM is not compatible with these releases during 7 years from date of commissioning, bidder need to replace hardware with compatible latest and upcoming VMware, Red Hat Linux/Openshift release without any additional cost to the Bank. In case the server is yet to be certified, bidder must provide certification document for the proposed product within 1 year from the date of PO. If the same is not provided within stipulated time, bank may recover cost of such servers from the PBG.
10	102	Appendix-C Technical & Functional Specifications O. Brocade SAN Switch and Line Card: 7.	7. All FC ports for currently being procured should able to support 8/16/32 Gbps auto-sensing Fibre Channel ports.	7. All FC ports being procured should be able to support 8/16/32 Gbps auto-sensing Fibre Channel ports in case of 32 Gbps SFP and 16/32/64 Gbps auto-sensing Fibre Channel ports in case of 64 Gbps SFP.
11	104	Appendix-C Technical & Functional Specifications O. Brocade SAN Switch and Line Card: 31. AMC and Warranty	31. Five years Warranty and 2 years AMC - 24x7 comprehensive onsite support from OEM with maximum 2 hours response time with 6 hours Call to Resolution, Highest Level of Proactive and Reactive support covering Half yearly Firmware analysis, and Proactive Health analysis, Dedicated Account Manager.	31. Five years Warranty and 2 years AMC - 24x7 comprehensive onsite support from OEM with maximum 2 hours response time with 6 hours Call to Resolution, Highest Level of Proactive and Reactive support covering Half yearly Firmware analysis, and Proactive Health analysis.

	New 12 Clause	New Clause	New Clause	The storage bidder shall be responsible for providing and installing all required cabling between the storage system, SAN switches, and up to the servers. The exact cabling lengths may vary depending on the server placement within the data center/rack layout. The bidder must take these variations into account and factor the necessary lengths, quantities, and types of cables into their proposal. The approximate count of servers to be connected will be around 250 per site
13	75	Rack server Category 6, 8,Enterprise class Internal SSD Disk	2 x 480 GB M2 SSD drives or higher	2 x 480 GB M2 SSD/NVMe drives or higher
14	66	Rack server Category 1, 9,Enterprise class Internal SSD Disk	1 x 960 GB M2 SSD drives or higher	1 x 960 GB M2 SSD/NVMe drives or higher
15	84	Category M GPU Nodes / 6. Memory	Should provide Advanced Memory Protection features like multi-bit error correction, memory mirroring, and memory spare for higher reliability.	Should provide Advanced Memory Protection features like multi-bit error correction, memory mirroring, and memory spare or Advanced Memory Protection features like Advanced Memory Device Correction (AMDC) and post-package repair (PPR) capability for higher reliability or equivalent technology
16	3	Last date and time for Bid submission	Up to 17:00 on 05/09/2025	Up to 17:00 on 08/09/2025
17	3	Date and Time of opening of Technical Bids	17:30 on 05/09/2025	17:30 on 08/09/2025

18	87	7. Homogenous Make and Model	Uniform Server Make (Brand): All servers quoted and supplied must be of the same make (brand) to ensure uniformity in deployment, support, and maintenance.	Uniform Server Make (Brand): All servers quoted and supplied must be of the same make (brand) to ensure uniformity in deployment, support, and maintenance except for Category 12 Servers i.e. Category 12 servers can be from different make/brand.
19	60-61		<p><u>Bidder's Project Experience for Servers:</u> The bidder must have successfully executed/completed supply of enterprise grade servers, over the last five years i.e. the current financial year and the last five financial years with following project cost: -</p> <p>a) Three similar completed project costing not less than the Rs. 100 Cr.</p> <p>Or Two similar completed project costing not less than the Rs. 125 Cr</p> <p>Or One similar completed project costing not less than the Rs. 200 Cr</p> <p>b. At least one client references in BFSI/PSU/Govt Sector for supply of enterprise grade servers etc of any make in above mentioned period.</p>	<p><u>Bidder's Project Experience for Servers:</u> The bidder must have successfully executed/completed supply of enterprise grade servers, over the last five years i.e. the current financial year and the last five financial years with following project cost: -</p> <p>a) Three similar (Combined) completed project costing not less than the Rs. 50 Cr.</p> <p>Or Two similar (Combined) completed project costing not less than the Rs. 70 Cr</p> <p>Or One similar completed project costing not less than the Rs. 100 Cr</p> <p>b. At least one client references in BFSI/PSU/Govt Sector for supply of enterprise grade servers etc of any make in above mentioned period.</p> <p>For meeting the eligibility criteria under this RFP, the bidder may cite and submit proof of having executed similar projects either within the country or outside the country. Projects executed in both domestic and international locations shall be considered valid for eligibility evaluation.</p>
20	61		<p><u>Bidder's Project Experience for Storage:</u></p> <p>a. The bidder must have successfully</p>	<p><u>Bidder's Project Experience for Storage:</u></p> <p>a. The bidder must have successfully</p>

			<p>executed/completed supply of enterprise grade storage, over the last five years i.e. the current financial year and the last five financial years:</p> <p>- a) Three similar completed project costing not less than the Rs. 80 Cr Or Two similar completed project costing not less than the Rs. 100 Cr Or One similar completed project costing not less than the Rs. 160 Cr</p> <p>b. At least one client references in BFSI/PSU/Govt Sector for supply of enterprise grade IT equipment such as servers or storage or network equipment etc. of any make in above mentioned period.</p>	<p>executed/completed supply of enterprise grade storage, over the last five years i.e. the current financial year and the last five financial years:</p> <p>- a) Three similar (Combined) completed project costing not less than the Rs. 40 Cr Or Two similar (Combined) completed project costing not less than the Rs. 50 Cr Or One similar completed project costing not less than the Rs. 80 Cr</p> <p>b. At least one client references in BFSI/PSU/Govt Sector for supply of enterprise grade IT equipment such as servers or storage or network equipment etc. of any make in above mentioned period.</p> <p>For meeting the eligibility criteria under this RFP, the bidder may cite and submit proof of having executed similar projects either within the country or outside the country. Projects executed in both domestic and international locations shall be considered valid for eligibility evaluation.</p>
21	88-89	N. Storage: IOPS, Throughput and Latency	<p>6. Each individual storage system must provide a minimum of 30 million IOPS using a 8KB block size, 100% Random read hit as validated through an official datasheet or vendor web link. Accordingly, the total performance capacity per site for all storage system (DC and DR) must be no less than 120 million IOPS (SI along with OEM need to perform the test onsite after delivery with enterprise level IO test tool as part of acceptance of the solution).</p>	<p>6. Each individual storage system must provide a minimum of 30 million IOPS using a 8KB block size, 100% Random read hit or 312GB/s Through Put using 256KB Random Read Cache Hit as validated through an official datasheet or vendor web link. Accordingly, the total performance capacity per site for all storage system (DC and DR) must be no less than 120 million IOPS or 1248 GB/s Throughput (SI along with OEM need to perform the test onsite after</p>

				delivery with enterprise level IO test tool as part of acceptance of the solution).
23	NA	Other Terms and Penalties Appendix-L	New Clause for Storage Solution.	If the OEM releases a new model of the proposed storage solution within the two-year validity period, the bidder shall supply the latest model, if asked by bank for any subsequent storage orders placed after the initial quantity mentioned in purchase order at same cost as discovered during in this RFP.

24. Revised Price Bid

Servers

Table – A (Servers)

Sr. No.	Item	Quantity	Rate per item	Amount in Rs.	Proportion to Total Cost of A (in %age) #
1.	Category 1	132			

2.	Category 2	391			
3.	Category 3 (a)	22			
4.	Category 3 (b)	37			
5.	Category 4	18			
6.	Category 5	8			
7.	Category 6	8			
8.	Category 7	15			
9.	Category 8	61			
10.	Category 9	78			
11.	Category 10	4			
12.	Category 11	16			
13.	Category 12	10			
14.	Infiniband switch/Network Switch (Per Port lossless 400 Gbps connectivity for GPU-to-GPU networking using an NVIDIA certified switch)	2			
15.	Comprehensive warranty for Products mentioned in items above (Sr. No 1 to 14) for Five years from the go live date.				
16.	Comprehensive Annual maintenance cost for Products mentioned in items above (Sr. No 1 to 14) for Two years (This cost should be in the range of 8% to 12 % p.a. of the Product cost.)				
17.	Installation and Commissioning				

18.	Nvidia AI Enterprise License for 7 years	80			
Total (1 to 18) = 'A'*					
42 U Rack^		1			
48 U Rack^		1			
IPDU^		1			

Storage

Table – B (Storage Solution & Manpower)

Sr. No.	Item	Quantity	Rate per item	Amount in Rs.	Proportion to Total Cost of B (in %age) #
1.	NVME SSD storage (TLC) with all software, license	20 PB	Per Peta Byte cost		
2.	Controllers for 20 PB of NVME SSD storage (TLC) with all software, license.	Qty. to be filled by bidder	Per controller		
3.	64 Gb Cisco 48 port SAN Switch Modules with fully populated 32 Gb SFP including all software, license.	1			
4.	64 Gb Cisco 48 port SAN Switch Modules with fully populated 64 Gb SFP including all software, license.	1			
5.	Brocade 512 port SAN Switch Chassis with required hardware and software license.	2			

6.	Brocade 384 port SAN Switch Chassis with required hardware and software license.	2			
7.	64 Gb Brocade 48 port SAN Switch Modules with fully populated 32 Gb SFP including all software, license.	1			
8.	64 Gb Brocade 48 port SAN Switch Modules with fully populated 64 Gb SFP including all software, license.	1			
9.	64 Gb Brocade 64 port SAN Switch Modules with fully populated 32 Gb SFP including all software, license.	1			
10.	64 Gb Brocade 64 port SAN Switch Modules with fully populated 64 Gb SFP including all software, license.	1			
11.	Cisco 768 port SAN Switch Chassis with required hardware and software license	2			
12.	Cisco 384 port SAN Switch Chassis with required hardware and software license	2			
13.	Comprehensive warranty for Products mentioned in items above (Sr. No 1 to 12) for Five years from the go live date.				
14.	Comprehensive Annual Maintenance Cost for mentioned in items above (Sr. No 1 to 12) for 2 years (This cost should be in the range of 8% to 12 % p.a. of the Product cost.)				

15.	Installation and Commissioning				
16.	OEM Storage L3 Resource cost for seven years	2			
17.	Bidder Storage L3 Resource cost for seven years	2			
18.	Bidder Storage L2 Resource cost for seven years	4			
Total (1 to 18) = 'B' **					
42 U Rack [^]	1				
48 U Rack [^]	1				
IPDU [^]	1				

The 'Proportion to Total Cost' percentage mentioned here will have to be maintained in the final price quote also by the successful Bidder. The percentage should be mentioned in two decimal places. Variation in the final price should not exceed +/- 5%. See illustration at the end.

* This will be the Total Cost of Ownership (TCO)/Total Project Cost for Servers and should be quoted in the reverse auction.

** This will be the Total Cost of Ownership (TCO)/Total Project Cost for Storage Solution & Manpower and should be quoted in the reverse auction.

[^] Bidder is required to quote the prices for these items, the orders will be placed as per requirement.