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### CORRIGENDUM 1

### RFP FOR SUPPLY, INSTALLATION, IMPLEMENTATION AND MAINTENANCE OF HYPER-CONVERGED INFRASTRUCTURE & ADD ON COMPONENTS.

Sr.No	Page No.	Clause No.	Existing RFP Clause	Amended Clause
1	51	MINIMUM TECHNICAL SPECIFICATION (FOR EACH NODE) - (6. Disks Requirement)	The Proposed Solution should support inline Dedup and compression from Day one. All Flash Configuration - Useable Storage should be as below after inline de-dup and compression Each Node in Cluster- 25 TB (in both cases, each disk will be of minimum 15k RPM speed)	The Proposed Solution should support inline Deduplication and compression from Day one.  All Flash Configuration - Bidder/OEM while sizing the solution should ensure that Bank gets usable storage space of 25 TB in each node of HCI clusters.
2	49	MINIMUM TECHNICAL SPECIFICATION (FOR EACH NODE) - (25. Certification and Compliances)	Microsoft Windows Server, Hyper-V, VMWare, Red Hat Enterprise Linux(RHEL), Acropolis Hypervisor etc.	Microsoft Windows Server, Hyper-V, VMWare Hypervisor/ Acropolis Hypervisor, Red Hat Enterprise Linux(RHEL).
3	55	Software defined Storage, Point 11	The software defined storage solution should support Data Locality	The software defined storage solution should support Data Locality/ Data Distribution/ data striping. There should not be any Data Loss even in any case of multiple failures of nodes or storage disks.
4	50	Hardware Specifications, X-86,Annex XI	Intel Cascade Lake Processors with Minimum 24 Core, Minimum Base frequency 2.40GHz, Minimum Turbo Boost frequency 3.10 GHz, Minimum <u>L3 Cache 36MB</u>	Intel Cascade Lake Processors with Minimum 24 Core, Minimum Base frequency 2.40GHz, Minimum Turbo Boost frequency 3.10 GHz, Minimum <u>L3 Cache 35.75 MB</u>
5	55	Software defined Storage, Point 12	Should be Hardware independent to provide flexibility of choosing hardware from any server manufacturer.	This Clause Stands Deleted.
6	48	TECHNICAL SPECIFICATIONS, Hyper Converged Infrastructure Specification , Point 07	The HCI solution must ensure High Availability and it should in no way affect/degrade the production services & usable resources to the end user application hence HCI solution should be proposed in N+1 configuration, even if one node	The HCI solution must ensure High Availability and it should in no way affect/degrade the production services & usable resources to the end user application hence HCI solution should be proposed in N+1 configuration, even if one node

			fails, the remaining nodes should provide user application the specified number of usable physical cores, usable RAM & usable storage capacity as mentioned. There should not be any Data Loss in any case.					fails, the remaining nodes should provide user application the specified number of usable physical cores, usable RAM & usable storage capacity as mentioned. There should not be any Data Loss in any case of failure. Any failure should not lead to shutting down of whole HCI cluster. The solution should support Single button/click non-disruptive rolling upgrades of HCI software and Hardware.				
7	56	TOR SWITCH TECHNICAL SPECIFICATION	Sl.No.	Part No.	Description (Minimum)		Sl. No.	Part No.	Description (Minimum)			
				Minimum Ports	48 x 10GBASE-T ports and 4 uplink ports of 10G & 2 uplink ports of 40G		1	Minimum Ports	48 x 10GBASE-T ports and 4 uplink ports of 10G & 2 uplink ports of 40G			
			2	Software	latest Version		2	Software	latest Version			
			3	Accessory Kit	3K/9K Fixed Accessory Kit		3	Power Cord	AC Power Cord - 250V, 10A , India			
			4	Fan	3K/9K Single Fan, port side intake airflow		4	Other	Any other software/ Hardware needed to run the cluster			
			5	Power Supply Unit	Nexus NEBs AC 500W PSU - Port Side Intake		5	Optical Cable	40GBASE QSFP Active Optical Cable, 5 meter			
			6	Power Cord	AC Power Cord - 250V, 10A , India				&			
			7	Lan License	LAN Enterprise License				10GBASE SFP+ Active Optical Cable, 5 meter			
			8	Optical Cable	100GBASE QSFP Active Optical Cable, 5 meter		6	SFP Module	10GBASE-LR SFP Module and 40GBASE QSFP			
			9	Adapter	QSFP to SFP10G adapter							
			10	SFP Module	10GBASE-LR SFP Module							
			11	Other	Any other software/ Hardware needed to run the cluster							
8	38	Eligibility Criteria ( Point 11)	The bidder should have minimum 5 L2 resources in its own organization with the criteria as desired in RFP. - List of staff members and their qualification details / copy of certificates to be submitted on the organization letter head along with undertaking. (to be signed by authorized person of the company)					The bidder should have minimum two (02) L2 resources in its own organization with the criteria as desired in RFP. - List of staff members and their qualification details / copy of certificates to be submitted on the organization letter head along with undertaking. (to be signed by authorized person of the company)				

9	11	SCOPE OF WORK: Cluster Configuration	96 Cores, 2.6 TB RAM & 50 TB Storage with all other hardware including accessories & software components required for HCI Solution with minimum <u>1,00,000 IOPS</u> (Input/Output Operations Per Second) Per Node at 8k block size and response time less than 2 millisecond.	96 Cores, 2.6 TB RAM & 50 TB Storage with all other hardware including accessories & software components required for HCI Solution with minimum <u>50,000 IOPS</u> (Input/Output Operations Per Second) Per Node at 8k block size and response time less than 2 millisecond.
10	37	ELIGIBILITY CRITERIA : ANNEXURE-III, Sl. No. 2	OEM must be present in Gartner Leaders Magic Quadrant in the Gartner's Magic Quadrant report dated 02-January 2019 for Hyper Converged Infrastructure.	OEM must be present in Gartner Leaders Magic Quadrant in the Gartner's Magic Quadrant report dated 02-January 2019 for Hyper Converged Infrastructure.  HCI OEM who fall under Make In India guidelines issued by Ministry of Electronics and Information Technology are exempted from this eligibility clause subject to providing valid documentary evidence.
11	52	HYPERVISOR Technical Specifications, Sl. No. 2	The bidder shall propose Hypervisor technology from vendors placed in the leader's quadrant in the Gartner 'Magic Quadrant for x86 Server Hypervisor' report	Mentioned Clause Stands Deleted.
12	58	ANNEXURE-XII, Table-A, Sr. No. 9, Column ( Multiplication Factor (b) )	1	10
13	37	ELIGIBILITY CRITERIA : ANNEXURE-III, Sl. No. 5	The bidder should have Support center in Delhi/NCR & Mumbai.	The bidder should have Service Support centers in Delhi/NCR & Mumbai. OEM of proposed hardware of HCI Solution should have at least one Service Support center in India. Also, OEM of proposed hardware of HCI Solution must have minimum 5 Spare warehouses/Logistic Centers in India. Bidder & OEM has to provide Undertaking with Full details separately (Contact person Name, Address, Contact Number etc.) for same. Bank reserves the right to visit these sites, if required.