सूचना प्रौद्योगिकी विभाग
केन्द्रीय कार्यालय

सेंट्रल बैंक ऑफ इंडिया
सेन्ट्रल बैंक ऑफ़ इंडिया
Central Bank of India
1911 से आपके लिए "केंद्रित"   "CENTRAL" TO YOU SINCE 1911

DEPT. OF INFORMATION TECHNOLOGY
CENTRAL OFFICE

Date: 24.01.2024

Corrigendum 3

This is in reference to Tender No CO:DIT:PUR:2023-24:394 RFP for "Supply, Implementation and Maintenance of Private Cloud Infrastructure, Backup Solution, and Supporting Applications in the Bank". Please find attached the Corrigendum 3.

The last date for bid submission has been extended to 02.02.2024 up to 3.00 PM

The technical bids will be opened on 02.02.2024 at 3.30 PM

(ARUP)
Chief Manager - Admin

प्लॉट नं. 26, सेक्टर 11, बेलापुर रेल्वे स्टेशन च्या समोर, सी.बी.डी. बेलापुर, नवी मुंबई - 400 614 • दूरध्वनी : 6712 3585, 6712 3584

प्लॉट नं. 26, सेक्टर 11, बेलापुर रेल्वे स्टेशन के सामने, सी.बी.डी. बेलापुर, नवी मुंबई - 400 614 • दूरध्वनी : 6712 3585, 6712 3584

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Dated 24.01.2024

CORRIGENDUM-3

(Tender Reference No. CO/DIT/PUR/2023-24/394)

In reference to the Request for Proposal (RFP) Document for RFP for Supply, Implementation and Maintenance of Private Cloud Infrastructure, Backup Solution, and Supporting Applications in the Bank, Tender reference no. CO/DIT/PUR/2023-24/394 dated 21.11.2023, all interested bidders are hereby informed that the Changes/Clarifications/Revisions/Addendum as per Corrigendum are to be taken into account for bid submission. Bidders are requested to note and comply accordingly. **The last date of bid submission is extended from 24/01/2024 to 02/02/2024 by 15:00 hrs.**

S.N.O	RFP Point No.	RFP Technical specification	Bidder Query	Bank's Response
1	Private Cloud Hardware, Revised_ Annexure – 12 Minimum Technical Specificati on	2 x Quad Port 10/25GbE (Total 8 Ports of 10G/25G) NIC cards with Transceivers . SFP provided in the solution should be OEM make.	Request to modify the clause as "(Total 8 Ports of 10G/25G) NIC cards with Transceivers". 1*Quad Port + 2*Dual Port	Bidders have to provide 8 ports of 10G/25G NIC cards with Transceivers. SFP provided in the solution should be OEM make.
2	Private Cloud Hardware, Revised_ Annexure – 12 Minimum Technical Specificati on	Each Rack servers should have minimum Storage Capacity of 61.44 TB of NVMe Mixed use Gen4 or higher drives in the server and at least six Disk slots should be free in each server for future expansion. 32 DDR4/DDR5 DIMM slots to be provided. Memory to be provided with 4800MT/s modules. 8 DDR4/DDR5 DIMM slots should be free after populating 1.5 TB RAM in each Server.	Our Compliant Hardware can only accommodate (Latest Generation Intel/AMD) of all leading x86 Hardware Makes: CISCO/HPE/DELL with a maximum of 10 drives of All NVME Server model (configured with Mixed Use Capacity drive of 6.4TB or Read Performance capacity Drive of 7.68TB/15.36TB), basis which we request the bank to modify the clause as follows: "Each Rack servers should have minimum Storage Capacity of 61.44 TB of NVMe Mixed Drive Gen4" OR "Each Rack servers should have minimum Storage Capacity of 61.44 TB of NVMe Gen4 or higher drives in the server and atleast six Disk slots should be free in each server for future expansion. OR	Each Rack server should have minimum Storage Capacity of 60 TB NVME of 1 or better Data Writes per Day (DWPD), Gen4 or higher disk drives and at least six Disk slots should be free in each server for future expansion. 24/32 DDR4/DDR5 DIMM slots to be provided. Memory to be provided with 4800MT/s modules. 8 DDR4/DDR5 DIMM slots should be free

			"Each Rack servers should have minimum Storage Capacity of 51.2 TB of NVMe Mixed Drive Gen4 or higher drives in the server and atleast six Disk slots should be free in each server for future expansion. OR Each Rack servers should have minimum Storage of 8 x 7.68 TB (capacity of 61.44 TB) Enterprise NVMe Read Intensive Gen4 NVMe in the server and at least 16 Disk slots should be free in each server for future expansion. OR Latest AMD based servers from various OEMs, support 24 DDR5 DIMM Slots with 4800MT/s. 24/32 DDR4/DDR5 DIMM slots to be provided. Memory to be provided with 4800MT/s modules. 8 DDR4/DDR5 DIMM slots should be free after populating 1.5 TB RAM in each Server.	after populating 1.5 TB RAM in each Server.
3	Object Storage, Revised_ Annexure – 12 Minimum Technical Specificati on	The full Object Storage Solution must be commissioned in a single 42U rack with Power Consumption not more than 18 KVA at DC and in DRC. The capacity of the Disk installed in Object Storage Appliance should not be more than 16TB.	Request you to change drive size with 16 TB or 18 TB. This will not impact performance & ensure available solution will be commissioned in a single 42U rack. Reason for ask : In midst of discussion we recently got to know 16TB HDD will not be available and if we use 12TB drive the rack space requirement will increase by 10Ucompared to 42U that has been asked in tender .	No Change in specifications however the full object storage solution should be deployed preferably in one Rack but not more than two Rack.
4	Private Cloud Hardware, Revised_ Annexure – 12 Minimum Technical Specificati on	33 Rack Servers each with 2 Processor 32 Cores and 1.5 TB RAM	We request for change in release Corrigendum as our proposed solution with OEM- Oracle would not qualify with their Private Cloud Appliance (PCA). We request Bank to look at overall specifications and have a solution that gives better TCO and performance. Bidders must propose minimum 2200 x86 Cores, 26TB DDR5 4800 RDIMMs memory usable for VM resources per site •Storage should be configured with minimum 2PB raw with high performance	No change

			7.68 TB SAS-3 SSDs and high capacity disk spindles •Integrated Networking – Redundant high-speed Switches with minimum 36p and 10/25/40/100 Gbps for internal communication between the Compute and Storage hardware components	
5	Private Cloud Software , Revised_An nexure – 12 Minimum Technical Specification , Software Defined Storage, Point 1	Maintain primary working set copy of active data on the Local node/cluster as VM's are hosted in order to provide high IOPS and low latency. Proposed Solution must be proposed for faster reads and write for Business critical Apps.	Replace local and keep it distributed for worst case scenario of node failure and as per design best practices	No change
6	Private Cloud Software , Revised_An nexure – 12 Minimum Technical Specification , Software Defined Storage, Point 1	Solution licenses should be transferrable to hardware in case of hardware EOL & EOS or non-availability. Adding of Memory or Disks should not incur any additional software licenses, cache drives.	Remove DISK	Solution licenses should be transferrable to hardware in case of hardware EOL & EOS or non-availability. Adding of Memory should not incur additional cost for any additional software licenses, cache drives.
7	RESPONSI BILITY MATRIX Sl. No. 3, Revised_A nnexure – 12 Minimum Technical Specificati on,	OEM will do the installation, configuration and operationalization of the supplied hardware and software 1) FCIP Router 2) Orchestration DR Drill Management Tool 3) TOR Switches	OEM / OEM Solution Certified Engineers will do the installation, configuration and operationalization of the supplied hardware and software 1) FCIP Router 2) Orchestration DR Drill Management Tool 3) TOR Switches	No change