

CORRIGENDUM DATED – 06-05-2024
PROCUREMENT, SUPPLY, INSTALLATION,
COMMISSIONING AND MAINTENANCE OF SERVERS SWITCH, BACKUP DEVICES,
SOFTWARE LICENSES ETC. RFP NO. SBI PAYMENTS/VM/2024-25/01

Sr. No	RFP Page No	RFP Clause No	Existing Clause					Amended Clause						
1	54, 71, 77	In page 54 - PRICE PROPOSAL/ COMMERCIAL BID In page 71 - Annexure-C In page 77 - Annexure-F	S R N O	DESCRIPTION	QTY/ SYS	Ra te per ite m	Amo u nt in Rs.	Am ou nt in wor d	S R N O	DESCRIPTION	QT Y/ SY S	Rate per item	Amount in Rs.	Amount in word
			1	Server Requirement -1 - Server Configuration as per Exhibit -1	4				1	Server Requirement -1 - Server Configuration as per Exhibit -1	6			
			2	Server Requirement -2 - Server Configuration as per Exhibit -2	4				2	Server Requirement -2 - Server Configuration as per Exhibit -2	4			
			3	Server Requirement -3 - Server Configuration as per Exhibit -3	4				3	Server Requirement -3 - Server Configuration as per Exhibit -3	6			
			4	MS SQL Server 2022 License	9				4	MS SQL Server 2022 - Standard Edition License	11			
			5	Antivirus License	18				5	Antivirus License - Trend Micro Deep Security	40			
			6	Microsoft Windows Server 2022 License	8				6	Microsoft Windows Server 2022 License	20			
			7	Windows Server 2022 Datacenter License	5				7	Windows Server 2022 Datacenter License	6			

8	SIEM License	18			
9	Vmware License	3			
10	PIM License - MFA per user	1			
11	ACCESS SW - L2 switch- Cisco Catalyst 9200	3			
12	Backup Agent Lic & Tape - Veeam	18			
i	Sub-Total(1+2+3+4+5+6+7+8+9+10+11+12)				
ii	Installation/ Commissioning				
iii	Comprehensive warranty for Products mentioned in items above for 5 year from the go live date.				
iv	Comprehensive annual maintenance for Products mentioned above for 5year,after the end of comprehensive warranty.				
Grand Total (i + ii + iii + iv)					

8	Vmware License - VMware vSphere Foundation VVF offering and CPU configuration is 2 CPU * 24 Core	6			
9	PIM License - Iraje - for 10 users and 40 servers - Subscription basis	1			
10	ACCESS SW - L2 switch- Cisco Catalyst 9200 Model number - C9200-48T-4G with 4 port uplink Module. Part No. - C9200-NM-4X	3			
11	Veeam Data Platform Advanced Universal Subscription License. Includes Enterprise Plus Edition features. 10 instance pack.	2			
12	SAN Storage- 200TB(As per specification in Exhiit-7)	1			
13	SAN Switch(As per specification in Exhiit-8)	2			
14	Tape Library with magazines to hold 48 Cartridges(As per Technical specification in Exhibit-6)	1			
i	Sub-Total(1+2+3+4+5+6+7+8+9+10+11+12+13+14)				
ii	Installation/ Commissioning				
iii	Comprehensive warranty and AMC for Products mentioned in items above for 5 years from the go live date.				
Grand Total (i + ii + iii)					

2	59, 62, 65	Server - 1, Server-2 and Server-3	Front bays: Up to 4 x 3.5-inch SAS/SATA (HDD/SSD) max 80 TB Up to 8 x 2.5-inch SAS/SATA/NVMe (HDD/SSD) max 122.88 TB Up to 10 x 2.5-inch SAS/SATA/NVMe (HDD/SSD) max 153.6 TB	Front bays: Up to 10 x 2.5-inch SAS/SATA/NVMe (HDD/SSD) max 153.6 TB
3	60, 62, 66	Server - 1, Server-2 and Server-3	1 x Dedicated iDRAC Ethernet port	1 x Dedicated iDRAC Ethernet port or any equivalent port
4	74	Description of Deliverables	As per Bill of Material, with 5 year warranty And 5 year AMC	As per Bill of Material, with 5 year warranty and AMC. Bidders' Responsibility: Bidders are responsible for ensuring that all components required for the data center setup are not only installed but also functioning correctly. Cost Inclusion: If there are any additional components needed for the proper functioning of the requested equipment, the cost of these components can be added to the cost of respective component for which additional component is added. This ensures that the total cost reflects all necessary elements for the setup. Bill of Materials (BOM): Along with the bid, bidders should also provide a detailed breakdown of the Bill of Materials (BOM). This breakdown should include all components, their individual costs, and any additional costs for components required for proper functioning. In essence, bidders must ensure everything works as it should, and any extra costs for additional components should be clearly outlined in the bid's Bill of Materials.

5 68 **Exhibit-4** has been added for the Bifurcation of Devices quantities for Mumabi/ Chennai location wise

Exhibit-4
Colocation wise bifurcation for the delivery, equipment to be Delivered to DC and DR colocation as per count mentioned in the Exhibit-4

S R N O	DESCRIPTION	Tota l Qua ntity	Mumba i	Chenn ai
1	Server Requirement -1 - Server Configuration as per Exhibit -1	6	4	2
2	Server Requirement -2 - Server Configuration as per Exhibit -2	4	4	0
3	Server Requirement -3 - Server Configuration as per Exhibit -3	6	4	2
4	MS SQL Server 2022 - Standard Edition License	11	11	0
5	Antivirus License - Trend Micro Deep Security	40	40	0
6	Microsoft Windows Server 2022 License	20	20	0
7	Windows Server 2022 Datacenter License	6	6	0
8	Vmware License - VMware vSphere Foundation VVF offering and CPU configuration is 2 CPU * 24 Core	6	6	0
9	PIM License - Iraje - for 10 users and 40 servers - Subscription basis	1	1	0

1 0	ACCESS SW - L2 switch- Cisco Catalyst 9200 model number - C9200-48T-4G	3	2	1
1 1	Veeam Data Platform Advanced Universal Subscription License. Includes Enterprise Plus Edition features. 10 instance pack. 5 Years Subscription Upfront Billing & Production (24/7) Support (Refer specification Exhibit -5)	2	2	0
1 2	SAN Storage- 200TB(As per specification in Exhiit-7)	1	1	0
1 3	SAN Switch(As per specification in Exhiit-8)	2	2	0
1 4	Tape Library with magazines to hold 48 Cartridges(As per Technical specification in Exhibit-6)	1	1	0

Exhibit-6

Technical Specifications for Tape Library

S.No	Parameter	Essential / Desirable	Specifications
1	Make	Essential	To be mentioned by vendor/ OEM. OEM of quoted product should be reputed organization with offices and service centres in major cities of India.
2	Capacity	Essential	1. Offered Tape Library shall support Native data capacity of 5 PB (uncompressed) using LTO-9 Technology when fully scaled up. 2. Should be offered with 40 Cartridge slots and should be scalable to 280 slots as and when required in future. 4. The offered Tape Library must be reliable & robust

6 Exhibit-6 has been added for Technical Specifications for Tape Library

						and OEM should commit comprehensive support guarantee during warranty and AMC period.	
				3	Tape Drive Architecture	Essential	1. Offered LTO-9 drive in the Library shall confirm to the Data rate matching technique for higher reliability.
				4	Speed	Essential	Offered LTO-9 drive shall support 300MB/sec in Native mode.
				5	Encryption	Essential	Offered Library must support encryption through existing Backup solution so as to keep all the encrypted keys in a safe and redundant fashion.
				6	Management	Essential	Tape Library shall provide web based remote management.
				7	Barcode Reader and Mail slots	Essential	1. Tape library shall support Barcode reader and mail slot. 2. Tape Library shall be offered with 5 mail slots and shall be scalable to 30 slots when fully populated.
				8	Power Supply	Essential	Power Supply Regulatory - BIS (India)
				9	OS features	Essential	Supported OS Systems Below mentioned or Latest <ul style="list-style-type: none"> • Microsoft Windows Server 2016 • Microsoft Windows Server 2012 R2 • RHEL 7.4, 7.3, 6.9 (32/64 bit) • SLES 13, SLES 12 (x86-64)

10	Protocols and certificates	Essential	<p>Protocol and Certification Support</p> <ul style="list-style-type: none"> • IPv4, IPv6 and Dual Stack Mode (no USGv6 certification) • DNS / DNSv6 • SMTP (Simple Mail Transport Protocol) v1, v2 and v3 • Active Directory • TLS 1.0 – 1.2 (only SSL or TLS encryption can bet set – not both) • Network Time Protocol NTP • RoHS • REACH • Regulatory EMI Electro Magnetic Interference
11	Other Features	Essential	<ol style="list-style-type: none"> 1. Tape Library shall have GUI Panel 2. Shall be rack mountable. 3. Should be supplied with redundant power supply 4. Tape Library should predict and prevent failures by generating alerts through email or notification through backup software. If possible it should suggest service action through backup software or email. 5. Offered tape library shall have dual FC port drives to connect to the existing SAN switches. 6. The Tape Library should support Hardware & Software Compression as much as possible as per industry standards. 7. Vendor should visit site and check actual requirement and quote accordingly.
12	Accessories	Essential	Tape Library should be supplied with rack mounting kit, power cables, FC patch cords

7
Exhibit-7 has been added for Technical Specifications for Disk Based Backup Target Storage

Exhibit-7
Technical Specifications for Disk Based Backup Target Storage

S.No.	Parameter	Essential / Desirable	Specifications
1	Make	Essential	To be mentioned by vendor/ OEM. OEM of quoted product should be reputed organization with offices and service centres in major cities of India.
	Capacity	Essential	200TB Usable capacity
2	Architecture	Essential	Proposed Storage should have Dual-active controllers
3	Controller Replacement	Essential	Proposed storage should have Hot Swappable controllers
4	Memory	Essential	Proposed storage should have 16GB or Higher Memory per controller
5	Deployment	Essential	Proposed storage should have capability to be deployed as Native block-level SAN or DAS
6	Data Encryption	Essential	Proposed storage should have capability to support Data At Rest Encryption with Internal Key Manager
7	Performance	Essential	Proposed Storage should have capability to support up to 12GB/s Sequential Read & 10GB/s Sequential Write throughput or higher
8	Backend Connectivity	Essential	Supports 12Gb SAS backend for rapid capacity expansion.
9	Drive Type	Essential	Proposed storage should have capability to SSD drives
10	Data Tiering	Essential	Proposed storage should have capability to Tier Data when multiple drive types are used

11	Drive Protection	Essential	Distributed erasure coding to reduce rebuild times in case drive failure. Minimum two drive failure tolerance required
12	Data Replication	Desirable	Support for Asynchronous replication
13	Storage Management	Essential	Proposed storage should have user interface for easy to provision and manage from anywhere, anytime with an intelligent, HTML5 web-based GUI.
14	Power Supply		Proposed storage should have dual power supply
15	Licenses	Essential	Proposed storage solution should have all-inclusive licenses

Exhibit-8

Technical Specifications for Fibre Channel SAN Switch

S.No.	Parameter	Essential/Desirable	Specifications
1	Make	Essential	To be mentioned by vendor/ OEM. OEM of quoted product should be reputed organization with offices and service centres in major cities of India.
	Switch Qty	Essential	2 nos of SAN Switch required for redundancy
2	Ports Required	Essential	Each SAN Switch with 24 x 32G Ports with Optics included and Licenses enabled
3	Future Scalability	Essential	Should scale to minimum 48 ports of 32G / 16G FC
4	Power Supply	Essential	Proposed Switch should include dual, hot-swappable power supplies
5	Payload Supported	Essential	Switch should support maximum 2112 Bytes Payload

Exhibit-8 has been added for Technical Specifications for Fibre Channel SAN Switch

8

