



**Corrigendum-8 to GeM Bid ref. no GEM/2024/B/4915191 dated 04/05/2024 for Selection of vendor for Supply, Installation, Configuration, Implementation and Maintenance of 500 Nos. of Servers and other IT Infra Components in Canara Bank.**

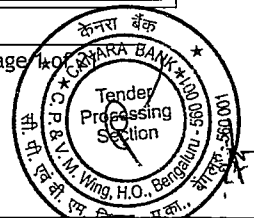
**It is decided to amend the following in respect of the above RFP:**

**a. GeM bid document (Bid End date/ Bid Opening Date, Page no. 1 of 8):**

Description	Existing details	Amended details
Bid End Date/Time	15/07/2024, 15:00:00	<u>25/07/2024, 15:00:00</u>
Bid opening Date/Time	15/07/2024, 15:30:00	<u>25/07/2024, 15:30:00</u>

**b.**

Sl. No	Section/Annexure/Appendix of GeM Bid	Clause No.	Existing Clause	Amended Clause
1.	GeM bid document GEM/2024/B/4915191 dated 04/05/2024	EMD Detail	EMD Amount- Rs.7,50,00,000/-	EMD Amount- <u>Rs.5,00,00,000/-</u>
2.	Annexure-2 Pre-Qualification Criteria	Sl.no 6.	Pre-Qualification Criteria: The bidder should have yearly average turnover of 300 Crores in India for the last three financial years 2020-2021, 2021-2022, 2022-2023 from their Indian operation as per the audited Financial Statements. This must be the individual company turnover and not of any group of companies.	Pre-Qualification Criteria: The bidder should have yearly average turnover of <u>250</u> Crores in India for the last three financial years 2020-2021, 2021-2022, 2022-2023 from their Indian operation as per the audited Financial Statements. This must be the individual company turnover and not of any group of companies.
3.	Annexure-9 Technical Specifications Table-G Storage Technical Specifications: (Object Storage 2.5PB Usable Space: DC -1, DRC -1)	27. Remote Replication	2-way replication. (It should support both synchronous and Asynchronous replication without any data loss)	<u>2-way replication. (It should support Asynchronous replication without any data loss)</u>
4.	Annexure-9 Technical Specifications Table-G	34. Multi-cloud	1. Offered storage shall provide the following features: • Shall Support writing data to any Cloud (Amazon S3,	<u>1. Offered storage shall provide the following features:</u> • <u>Shall Support writing data to any Cloud (Amazon</u>





	Storage Technical Specifications: (Object Storage 2.5PB Usable Space: DC -1, DRC -1)		<p>Google Cloud Storage, Microsoft Azure, Wasabi) via a single S3 API.</p> <ul style="list-style-type: none"> <li>• Shall have Open-Source interface allows developers to quickly test compatibility.</li> <li>• Shall Preserves native format of the data on any Cloud for providing the ability to read data directly on the public Clouds.</li> <li>• Shall support Replicating one to many so that a given bucket can be replicated/copied to several private and public Cloud targets.</li> <li>• Shall support Lifecycle data to any Cloud for automatic transition and expiration of data based on criteria.</li> <li>• Shall have GUI Web interface to manage multi-cloud environment.</li> </ul> <p>2. In case vendor doesn't support above features natively then vendor shall provision the complete cloud automation suite in their bid and shall provide the complete documentation in the bid.</p>	<p><u>S3, Google Cloud Storage, Microsoft Azure, Wasabi) via a single S3 API.</u></p> <ul style="list-style-type: none"> <li>• <u>Shall have Open-Source interface allows developers to quickly test compatibility.</u></li> <li>• <u>Shall Preserves native format of the data on any Cloud for providing the ability to read data directly on the public Clouds.</u></li> <li>• <u>Shall support Replicating one to many so that a given bucket can be replicated/copied to several private and public Cloud targets.</u></li> </ul>
5.	Annexure-9 Technical Specifications Table-H Storage Technical Specifications: (Enterprise Block Storage 2.0PB Usable Space: DC -2, DRC -2)	7. Memory & Cache	Minimum 512 GB Cache per controller, Cache should be dynamically allocated for reads and writes without any fixed allocation.	<u>Minimum 2 TB of Cache across storage,</u> Cache should be dynamically allocated for reads and writes without any fixed allocation.





6.	Annexure-9 Technical Specifications Table-H Storage Technical Specifications: (Enterprise Block Storage 2.0PB Usable Space: DC -2, DRC -2)	31. Capacity Efficiency features	Offered storage array should support thin provisioning It should also support inline data reduction (deduplication & compression) for maximizing flash storage capacity The array should offer the flexibility to enable / disable the data reduction on Global level or any other granular.	Offered storage array should support thin provisioning It should also support inline data reduction (deduplication & compression) for maximizing flash storage capacity <u>The array should offer the capability to enable the data reduction on Global level or any other granular.</u>
7.	Annexure-9 Technical Specifications Table-H Storage Technical Specifications: (Enterprise Block Storage 2.0PB Usable Space: DC -2, DRC -2)	11. Scalability	Each storage up to 4PB (Scale UP) and 4 Controllers (Scale Out) DIP (data in-place) upgrade capability. All disk should be accessible to all the controllers.	Each storage up to 4PB (Scale UP) and 4 Controllers (Scale Out) DIP (data in-place) upgrade capability. <u>All disks should be accessible to the corresponding node/controller pairs within the storage/array.</u>
8.	Annexure-16 Bill of Material	Entire Annexure	Existing Annexure	Amended Annexure-16 Bill of Material attached to this Corrigendum.

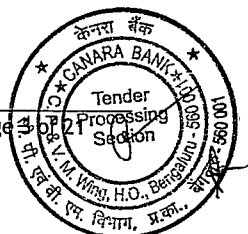
All the other instructions and terms & conditions of the above RFP shall remain unchanged.

Please take note of the above amendments while submitting your response to the subject RFP

Date: 15/07/2024

Place: Bengaluru

Deputy General Manager





Amended Annexure-16  
Bill of Material

SUB: Supply, Installation, Configuration, Implementation and Maintenance of 500 Nos. of Servers and other IT Infra Components in Canara Bank

Ref: GEM/2024/B/4915191 dated 04/05/2024.

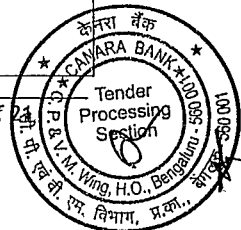
Notes

1. These details should be on the letter head of Bidder and each & every page should be signed by an Authorized Signatory with Name and Seal of the Company.
2. Please be guided by RFP terms, subsequent amendments and replies to pre-bid queries (if any) while quoting.
3. Do not change the structure of the format nor add any extra items.
4. No counter condition/assumption in response to commercial bid will be accepted. Bank has a right to reject such bid.

Table - A  
Price details of Hardware Items

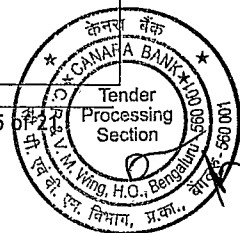
[Amount in Indian Rupees]

Sl. No.	Item Details	Unit Price with Three years Comprehensive onsite warranty and support (Excl. of Taxes)	Qty.	Total Cost Price with Three years Comprehensive onsite warranty and support (Excl. of Taxes)	Tax for Column c		Total Cost Price with Three years Comprehensive onsite warranty and support (Incl. of Taxes)
		a		c=a*b	% of Tax	Tax Amt.	f=c+e
1.	Servers With 64 core and approx. 2 TB Memory and Minimum 3.5 TB SSD usable space Local Disk with RAID 10 and minimum 900GB SSD usable space local Disk with RAID1 as mentioned in Tech Spec (Amended Annexure-9)		80				
2.	Servers With 64 core and 512 GB Memory and 3.5 TB SSD usable space Local Disk with RAID 10 as		28				



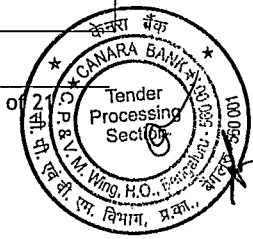


Sl. No.	Item Details	Unit Price with Three years Comprehensive onsite warranty and support (Excl. of Taxes)	Qty.	Total Cost Price with Three years Comprehensive onsite warranty and support (Excl. of Taxes)	Tax for Column c		Total Cost Price with Three years Comprehensive onsite warranty and support (Incl. of Taxes)
		a		c=a*b	% of Tax	Tax Amt.	f=c+e
	and minimum 900GB SSD usable space local Disk with RAID1 as mentioned in Tech Spec (Amended Annexure-9)						
3.	Servers With 32 core and 1 TB Memory and 3.5 TB SSD usable space Local Disk with RAID 10 and minimum 900GB SSD usable sace local Disk with RAID1 as mentioned in Tech Spec (Amended Annexure-9)		100				
4.	Servers With 32 core and 256GB Memory and 3.5 TB SSD Local Disk with RAID 10 and minimum 900GB SSD usable space local Disk with RAID1 as mentioned in Tech Spec (Amended Annexure-9)		54				
5.	Servers with 16 core and 512GB Memory and 3.5 TB SSD usable space Local Disk with RAID 10 and minimum 900GB SSD usable space local Disk with RAID1 as mentioned in Tech Spec (Amended Annexure-9)		226				
6.	Servers With 16 core and 256GB Memory and 3.5 TB SSD usable space Local Disk with RAID 10 and minimum 900GB SSD usable space		4				



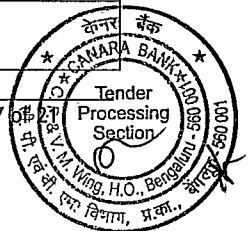


Sl. No.	Item Details	Unit Price with Three years Comprehensive onsite warranty and support (Excl. of Taxes)	Qty.	Total Cost Price with Three years Comprehensive onsite warranty and support (Excl. of Taxes)	Tax for Column c		Total Cost Price with Three years Comprehensive onsite warranty and support (Incl. of Taxes)
		a		c=a*b	% of Tax	Tax Amt.	f=c+e
	local Disk with RAID1 as mentioned in Tech Spec (Amended Annexure-9)						
7.	Servers With 32 core and 1 TB Memory and 7.5 TB NVME SSD usable Local Disk with RAID 10 and minimum 900GB SSD usable space local Disk with RAID1 as mentioned in Tech Spec (Amended Annexure-9)		4				
8.	Servers With 32 core and 1 TB Memory and 34 TB NVME SSD usable Local Disk with RAID 10 and minimum 900GB SSD usable space local Disk with RAID1 as mentioned in Tech Spec (Amended Annexure-9)		4				
9.	Server Rack for placing Servers, storage, Library and SAN and Network switches and as per Technical Specification (Amended Annexure-9)		50				
10.	PDU for the supplied RACKS and as per Technical Specification (Amended Annexure-9)		100				
11.	SAN Director (48*3=144 FC SAN ports with 16&32Gbps SFP) and as		4				



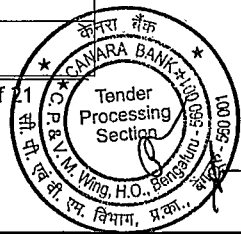


Sl. No.	Item Details	Unit Price with Three years Comprehensive onsite warranty and support (Excl. of Taxes)	Qty.	Total Cost Price with Three years Comprehensive onsite warranty and support (Excl. of Taxes)	Tax for Column c		Total Cost Price with Three years Comprehensive onsite warranty and support (Incl. of Taxes)
		a		c=a*b	% of Tax	Tax Amt.	f=c+e
	per Technical Specification (Amended Annexure-9)						
12.	SAN Switches (32G SAN with 96 port) Switch and as per Technical Specification (Amended Annexure-9)		8				
13.	SAN Switches (32G SAN with 48 port) Switch and as per Technical Specification (Amended Annexure-9)		2				
14.	Object Storage of 2.5PB Usable Space and as per Technical Specification (Amended Annexure-9)		2				
15.	Enterprise Block Storage of 2.0PB Usable Space and as per Technical Specification (Amended Annexure-9)		4				
16.	Tape Library with 40 Tape Drives and 250 Free slots and as per Technical Specification (Amended Annexure-9)		2				
17.	LTO-9 Stand Alone Tape Drive and as per Technical Specification (Amended Annexure-9).		2				
18.	48 Gig Ethernet ports and 2 x 10G SFP+ for uplink on single chassis		14				





Sl. No.	Item Details	Unit Price with Three years Comprehensive onsite warranty and support (Excl. of Taxes)	Qty.	Total Cost Price with Three years Comprehensive onsite warranty and support (Excl. of Taxes)	Tax for Column c		Total Cost Price with Three years Comprehensive onsite warranty and support (Incl. of Taxes)
		a		c=a*b	% of Tax	Tax Amt.	f=c+e
	TOR Switch as per Technical Specification (Amended Annexure-9)						
19.	48 fixed 10-G BASE-T ports and 6 fixed 40/100-Gbps QSFP+ ports for uplink with fully populated transceivers connectivity on single chassis TOR switch as per Technical Specification (Amended Annexure-9)		24				
	48 x 25-Gbps fiber downlink ports and 6 x 100-Gbps Quad Small Form-Factor Pluggable 28 (QSFP28) uplink ports with fully populated transceivers on single chassis TOR Switch as per Technical Specification (Amended Annexure-9)		4				
20.							
21.	Distribution Switches in High availability with required capacity to connect all supplied access switches with dual uplink of 10/40/100 Gbps in active-active mode for redundancy and load sharing as per Technical Specification (Amended Annexure-9)		8				
22.	Total Cost for Hardware (Sum of Sl. No. 1 to 21)						





**Table - B**  
**Price details of Software/License Items (Perpetual)**

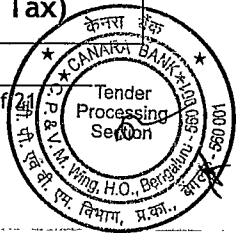
[Amount in Indian Rupees]

Sl. No.	Item Details	Unit Cost with lifetime support (Excl. of Tax)	Qty.	Total Cost with lifetime support (Excl. of Tax)	Tax for Column c		Total Cost with lifetime support (Incl. of Tax)
					% of Tax	Tax Amt.	
		a	b	c=a*b	d	e	f=c+e
1.	Windows 2022 Data Centre Edition 16 Corepack with standard support		160				
2.	Windows 2022 Standard Centre Edition 16 Core pack with standard support		187				
3.	Microsoft SQL 2022 standard edition two core pack with standard support		156				
Sl. No.	Item Details	Unit Cost with first year support (Excl. of Tax)	Qty.	Total Cost with first year support (Excl. of Tax)	Tax for Column c		Total Cost with first year support (Incl. of Tax)
					% of Tax	Tax Amt.	
		a	b	c=a*b	d	e	f=c+e
4.	IBM WebSphere ND 9.5 PVU.		17920				
5.	Total Cost for Software/Licenses (Sum of Sl. No. 1 to 4)						

**Table - C**  
**Price details of Software/License Items (Subscription based Licenses)**

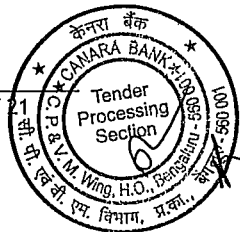
[Amount in Indian Rupees]

Sl. No.	Item Details	Unit Price with support for 5 Years (Excl. of Tax)	Qty.	Total Cost with support for 5 Years (Excl. of Tax)	Tax for Column c		Total Cost with support for 5 Years (Incl. of Tax)
					% of Tax	Tax Amt.	





		a	B	c=a*b	d	e	f=c+e
1.	RHEL 9 Virtual DataCentre with premium support		20				
2.	RHEL 9 with premium support		150				
3.	RHEL 9 High Availability with premium support - X86 machines		30				
4.	RedHat OpenShift Container Platform Plus- RHCOS latest version subscription with premium support		3				
5.	RedHat OpenShift Container Platform Plus- RHCOS latest version subscription with standard support		3				
6.	Apache Tomcat Enterprise Edition with support - instance base		5				
7.	Managed File Transfer Solution core based		16				
8.	File Sync Software instance base with support		50				
9.	Backup Software instance based with support		500				
10.	Jboss Enterprise Application Platform (16 core Pack) with premium support		2				
11.	Jboss Enterprise Application Platform (16 core Pack) with standard support		1				
12.	Jboss web server (16 core Pack) with premium support		2				
13.	Jboss web server (16 core Pack) with standard support		1				
14.	Total Cost (Sum of Sl. No. 1 to 13)						





**Table - D**  
**Price details of Linear Tape Open Cartridges (5000 nos.)**

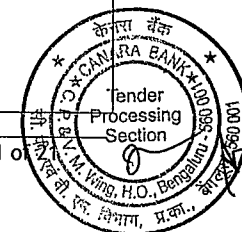
[Amount in Indian Rupees]

Sl. No.	Requirement Details	Unit Price (Excl. of Tax)	Quantity	Total Cost Price (Excl. of Tax)	Tax for Column C		Total Price (Incl. of Tax)
		a	b	c=a*b	% of Tax	Tax Amt.	f=c+e
1.	LTO-7 standard tapes with customized barcodes		200				
2.	LTO-8 standard tapes with customized barcodes		3800				
3.	LTO-9 standard tapes with customized barcodes		800				
4.	LTO-9 Cleaning Cartridges with customized barcodes		200				
5.	Total cost for 5000 Linear Tape Open Cartridges (Sum of Sl. No. 1 to 4)						

**Table - E**  
**AMC /ATS Cost for Hardware/Software/Licenses for 2 Years on post warranty**

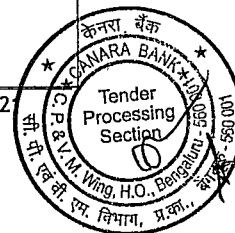
[Amount in Indian Rupees]

[Amount in Indian Rupees]								
Sl. No.	Item Details	Cost for AMC for 2 years (Excl. of Tax)		Qty.	Total AMC Cost (Excl. of Tax)	Tax for Column d		Total AMC Cost (Incl. of Tax)
		4 <sup>th</sup> Year	5 <sup>th</sup> Year			% of Tax	Tax Amt.	
		a	b			c	d=(a+b)*c	
A.	Hardware							
1.	Servers With 64 core and approx. 2 TB Memory and Minimum 3.5 TB SSD usable space Local Disk with RAID 10 and minimum 900GB SSD usable space local Disk with			80				



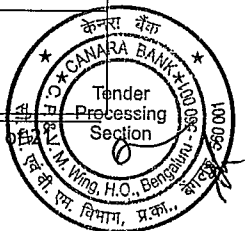


Sl. No.	Item Details	Cost for AMC for 2 years (Excl. of Tax)		Qty.	Total AMC Cost (Excl. of Tax),	Tax for Column d		Total AMC Cost (Incl. of Tax)
		4 <sup>th</sup> Year	5 <sup>th</sup> Year			% of Tax	Tax Amt.	
		a	b			e	f	
	RAID1 as mentioned in Tech Spec (Amended Annexure-9)							
2.	Servers With 64 core and 512 GB Memory and 3.5 TB SSD usable space Local Disk with RAID 10 and minimum 900GB SSD usable space local Disk with RAID1 as mentioned in Tech Spec (Amended Annexure-9)			28				
3.	Servers With 32 core and 1 TB Memory and 3.5 TB SSD usable space Local Disk with RAID 10 and minimum 900GB SSD			100				
	usable space local Disk with RAID1 as mentioned in Tech Spec (Amended Annexure-9)							
4.	Servers with 16 core and 512GB Memory and 3.5 TB SSD usable space Local Disk with RAID 10 and minimum 900GB SSD usable space local Disk with RAID1 as mentioned in Tech Spec (Amended Annexure-9)			226				
5.	Servers With 32 core and 256GB Memory and 3.5 TB SSD Local Disk with RAID 10 and minimum 900GB SSD usable			54				



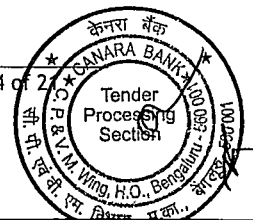


Sl. No.	Item Details	Cost for AMC for 2 years (Excl. of Tax)		Qty.	Total AMC Cost (Excl. of Tax)	Tax for Column d		Total AMC Cost (Incl. of Tax)
		4 <sup>th</sup> Year	5 <sup>th</sup> Year			% of Tax	Tax Amt.	
		a	b			e	f	
	space local Disk with RAID1 as mentioned in Tech Spec (Amended Annexure-9)							
6.	Servers With 16 core and 256GB Memory and 3.5 TB SSD usable space Local Disk with RAID 10 and minimum 900GB SSD usable space local Disk with RAID1 as mentioned in Tech Spec (Amended Annexure-9)			4				
7.	Servers With 32 core and 1 TB Memory and 7.5 TB NVME SSD usable Local Disk with RAID 10 and minimum 900GB SSD usable space local Disk with RAID1 as mentioned in Tech Spec (Amended Annexure-9)			4				
8.	Servers With 32 core and 1 TB Memory and 34 TB NVME SSD usable Local Disk with RAID 10 and minimum 900GB SSD usable space local Disk with RAID1 as mentioned in Tech Spec (Amended Annexure-9)			4				
9.	Server Rack for placing Servers, storage, Library and SAN and Network switches and			50				



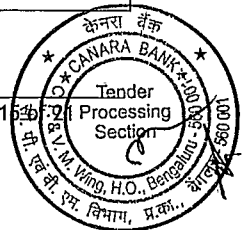


Sl. No.	Item Details	Cost for AMC for 2 years (Excl. of Tax)		Qty.	Total AMC Cost (Excl. of Tax)	Tax for Column d		Total AMC Cost (Incl. of Tax)
		4 <sup>th</sup> Year	5 <sup>th</sup> Year			% of Tax	Tax Amt.	
		a	b			e	f	
	as per Technical Specification (Amended Annexure-9)				$d=(a+b)*c$			$g=(d+f)$
10.	PDU for the supplied RACKS and as per Technical Specification (Amended Annexure-9)			100				
11.	SAN Director (48*3=144 FC SAN ports with 16&32Gbps SFP) and as per Technical Specification (Amended Annexure-9)			4				
12.	SAN Switches (32G SAN with 96 port) Switch and as per Technical Specification (Amended Annexure-9)			8				
13.	SAN Switches (32G SAN with 48 port) Switch and as per Technical Specification (Amended Annexure-9)			2				
14.	Object Storage of 2.5PB Usable Space and as per Technical Specification (Amended Annexure-9)			2				



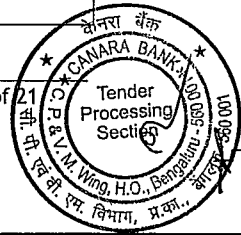


Sl. No.	Item Details	Cost for AMC for 2 years (Excl. of Tax)		Qty.	Total AMC Cost (Excl. of Tax)	Tax for Column d		Total AMC Cost (Incl. of Tax)
		4 <sup>th</sup> Year	5 <sup>th</sup> Year			% of Tax	Tax Amt.	
		a	b			e	f	
				C	d=(a+b)*c			g=(d+f)
15.	Enterprise Block Storage of 2.0PB Usable Space and as per Technical Specification (Amended Annexure-9)			4				
16.	Tape Library with 40 Tape Drives and 250 Free slots and as per Technical Specification (Amended Annexure-9)			2				
17.	LTO-9 Stand Alone Tape Drive and as per Technical Specification (Amended Annexure-9)			2				
18.	48 Gig Ethernet ports and 2 x 10G SFP+ for uplink on single chassis TOR Switch as per Technical Specification (Amended Annexure-9)			14				
19.	48 fixed 10-G BASE-T ports and 6 fixed 40/100-Gbps QSFP+ ports for uplink with fully populated transceivers connectivity on single chassis TOR switch as per Technical Specification (Amended Annexure-9)			24				





Sl. No.	Item Details	Cost for AMC for 2 years (Excl. of Tax)		Qty.	Total AMC Cost (Excl. of Tax)	Tax for Column d		Total AMC Cost (Incl. of Tax)
		4 <sup>th</sup> Year	5 <sup>th</sup> Year			% of Tax	Tax Amt.	
		a	b			e	f	
20.	48 x 25-Gbps fiber downlink ports and 6 x 100-Gbps Quad Small Form-Factor Pluggable 28 (QSFP28) uplink ports with fully populated transceivers on single chassis TOR Switch as per Technical Specification (Amended Annexure-9)			4				
21.	Distribution Switches in High availability with required capacity to connect all supplied access switches with dual uplink of 10/40/100 Gbps in active-active mode for redundancy and load sharing as per Technical Specification (Amended Annexure-9)			8				
B.	Software							
Sl. No.	Item Details	ATS cost for 4 years (Excl. of Tax)		Qty.	Total AMC Cost (Excl. of Tax)	Tax for Column c		Total AMC Cost (Incl. of Tax)
		a	b			% of Tax	Tax Amt.	
22.	Support charge for IBM WebSphere ND 9.5 PVU			17920				
23.	Total Cost for AMC for Hardware/Software/Licenses (Sum of Sl. No. 1 to 22)							

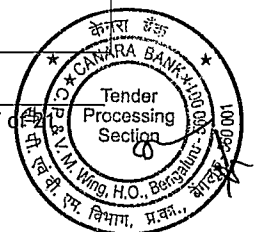




**Table - F**  
**One-time Implementation charges**

[Amount in Indian Rupees]

Sl. No.	Item Details		Unit Price (Excl. of Tax)	No. of Units	Total Price (Excl. of Tax)	Tax for Column c		Total Price (Incl. of Tax)
			a	b	c=a*b	% of Tax d	Tax Amt. e	f=c+e
1.	Servers Installation and Configurations with OS	Per Server		500				
2.	Managed file transfer solution Implementation	Per Site		2				
3.	Backup Software implementation	Per server		500				
4.	Jboss server implementation	Per Server		3				
5.	Apache Tomcate server implementation	Per Server		5				
6.	MSSQL Setup installation per server with cluster configuration (for 24 Servers - in 2 node cluster)	Per server		24				
7.	RHCOS Setup installation and configuration for three cluster (Three nodes in one Cluster)	Per Cluster		3				
8.	Installation of TOR switches	Per Switch		42				
9.	Installation of Distribution Switches	Per Switch		8				
10.	Implementation charges for SAN Director with ISL	Per Director		4				
11.	Implementation charges for SAN switch with ISL	Per Switch		10				
12.	Object Storage implementation Cost	Per storage		2				
13.	Block Storage Implementation Cost	Per storage		4				
14.	Rack and PDU implementation	Per Rack		50				



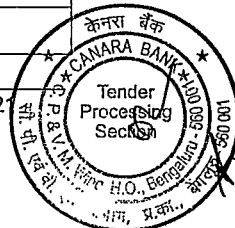


Sl. No.	Item Details		Unit Price (Excl. of Tax)	No. of Units	Total Price (Excl. of Tax)	Tax for Column c		Total Price (Incl. of Tax)
			a			% of Tax	Tax Amt.	
				b	c=a*b	d	e	f=c+e
15.	Tape Library implementation cost	Per Library		2				
16.	Total Cost for Optional Items (Sum of Sl. No. 1 to 15)							

**Table - G (Optional)**  
**Price details of Optional Items for 5 Years**

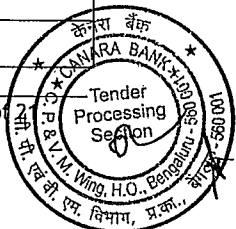
[Amount in Indian Rupees]

Sl. No.	Item Details (All items should be compatible with the proposed hardware of this project)	Unit Price (Excl. of Tax)	Tax for Column a		Total Price (Incl. of Tax)
			% of Tax	Tax Amt.	
		a	b	C	d=a+c
1.	<u>One 1.92 TB SSD</u>				
2.	<u>One 960 GB SSD</u>				
3.	<u>One CPU of 8 core with 2.7Ghz or above and 22 MB L3 Cache or higher</u>				
4.	<u>One CPU of 16 core with 2.7Ghz or above and 32 MB L3 Cache or higher</u>				
5.	<u>One CPU of 32 core with 2.7Ghz or above and 32 MB L3 Cache or higher</u>				
6.	<u>One CPU of 64 core with 2 Ghz or above and 32 MB L3 Cache or higher</u>				
7.	<u>One Memory Stick of 32 GB DDR5 DIMM with Minimum 2933 MHz or higher</u>				
8.	<u>One Memory Stick of 64 GB DDR5 DIMM with Minimum 2933 MHz or higher</u>				
9.	<u>One Memory Stick of 96 GB DDR5 DIMM with Minimum 2933 MHz or higher</u>				
10.	<u>One Memory Stick of 128 GB DDR5 DIMM with Minimum 2933 MHz or higher</u>				
11.	Object Storage per TB Cost				
12.	Block Storage per TB Cost				
13.	Block Storage per controller cost				





Sl. No.	Item Details <u>(All items should be compatible with the proposed hardware of this project)</u>	Unit Price (Excl. of Tax)  a	Tax for Column a		Total Price (Incl. of Tax)  d=a+c
			% of Tax  b	Tax Amt.  c	
14.	Object Storage per controller cost				
15.	One FC Card with minimum 1 number of 32 Gbps FC ports in each card				
16.	One Network Cards, each equipped with at least two 10-gigabit network ports				
17.	One Network Cards, each equipped with at least two 1-gigabit network ports				
18.	<u>San Director- One unit of 32G SFP Module</u>				
19.	<u>San Director- One unit of 64G SFP Module</u>				
20.	<u>San Switch- One unit of 32G SFP Module</u>				
21.	<u>San Switch- One unit of 64G SFP Module</u>				
22.	<u>San Switch- One unit of Long Wave 32G SFP Module</u>				
23.	<u>San Switch- One unit of Long Wave 64G SFP Module</u>				
24.	SAN Director per Blade Cost				
25.	SAN Director Blade Cost with fully populate SFP				
26.	CAT 6 UTP Copper Cable length of 3 mtrs				
27.	CAT 6 UTP Copper Cable length of 5 mtrs				
28.	CAT 6 UTP Copper Cable length of 7 mtrs				
29.	CAT 6 UTP Copper Cable length of 10 mtrs				
30.	CAT 6 UTP Copper Cable length of 15 mtrs				
31.	CAT 7 UTP Copper Cable length of 3 mtrs				
32.	CAT 7 UTP Copper Cable length of 5 mtrs				
33.	CAT 7 UTP Copper Cable length of 7 mtrs				
34.	CAT 7 UTP Copper Cable length of 10 mtrs				
35.	CAT 7 UTP Copper Cable length of 15 mtrs				
36.	CAT 7 UTP Copper Cable length of 25 mtrs				





Sl. No.	Item Details <u>(All items should be compatible with the proposed hardware of this project)</u>	Unit Price (Excl. of Tax)	Tax for Column a		Total Price (Incl. of Tax)
			% of Tax	Tax Amt.	
		a	b	C	d=a+c
37.	Fiber cables Cable length OM4 of 5 mtrs				
38.	Fiber cables Cable length OM4 of 10 mtrs				
39.	Fiber cables Cable length OM4 of 15 mtrs				
40.	Fiber cables Cable length OM4 of 20 mtrs				
41.	Fiber cables Cable length OM4 of 25 mtrs				
42.	Fiber cables Cable length OM4 of 30 mtrs				
43.	Total Cost for Optional Items (Sum of Sl. No. 1 to 42)				

The cost mentioned in column “a” of Table-F will be the fixed price for 5 years (i.e., Unit Price mentioned will be fixed for the entire contract period). Bank may procure the above items mentioned in Table-F with the same cost for the entire contract period.

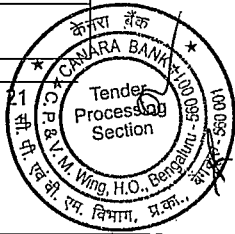
The items brought during the contract period should be co-terminus with the base hardware.

Bank may issue Purchase order(s) to procure items mention in Table-G as per the necessary quantities as and when required by the Bank during the initial purchase or during the entire Contract Period. However, the bidder has to provide the optional items at the same cost mentioned in the Table-G.

**Table - H**  
**Total Cost of the Hardware, Software and optional items for 5 Years**

[Amount in Indian Rupees]

Sl. No.	Requirement Details	Total Cost of the Hardware, Software and optional items for 5 Years (Incl. of Taxes)
1.	Total cost of Table-A (Price details of Hardware Items for three year warranty period)	
2.	Total cost of Table-B (Price details of Software/License Items (Perpetual))	
3.	Total cost of Table-C (Price details of Software/License Items (Subscription based))	
5.	Total cost of Table-D (Price details of Linear Tape Open Cartridges)	





6.	Total cost of Table-E (Two year contract for AMC /ATS Cost for Hardware/Software/Licenses)	
7.	Total cost of Table-F (One-time Implementation charges)	
8.	Total cost of Table-G (Price details of Optional Items for 5 Years)	
9.	Total Cost of Ownership for 5 Years (Sum of Sl. No. 1 to 8)	

**Declaration:**

- Bill of material is submitted on the letter head and is signed by an Authorized Signatory with Name and Seal of the Company.
- We confirm that we have gone through RFP clauses, subsequent amendments and replies to pre-bid queries (if any) and abide by the same.
- We have not changed the structure of the format nor added any extra items. We note that any such alternation will lead to rejection of Bid.
- We agree that no counter condition/assumption in response to commercial bid will be accepted by the Bank. Bank has a right to reject such bid.
- We are agreeable to the payment schedule as per "Payment Terms" of the RFP.

Date:

Place:

Authorized signatory

Name:

Designation:

Company seal:

