

Amendment-1 to “RFP 01/2018-19 dated 12/04/2018 for Supply, Installation, Integration and Maintenance of Servers and Other Items”

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

Sl. No.	Page No.	Clause No.	Existing	Amended
a.	23	40. Security Deposit / Performance Bank Guarantee:	40.6. The security deposit / bank guarantee will be returned to the bidder on completion of Warranty Period.	40.6. The security deposit / bank guarantee will be returned to the bidder on completion of Contract Period (if contracted) ✓
b.	41	Annexure-3 Eligibility Criteria Declaration Criteria no. d	<u>Eligibility Criteria:</u> The Bidder should have positive Net Worth as on 31/03/2017. <u>Documents to be submitted:</u> The Bidder must produce a certificate from the Company's Chartered Accountant to this effect.	<u>Eligibility Criteria:</u> The Bidder should have positive Net Worth as on 31/03/2017 or as on 30/09/2017. <u>Documents to be submitted:</u> The Bidder must produce a certificate from the Company's Chartered Accountant to this effect. ✓
c.	50-63	<u>Annexure-10</u>	<u>Technical Specification of Servers and Other Items</u>	Amended Annexure-10(Technical Specification of Servers and Other Items) is attached as Annexure. ✓
d.	64-66	<u>Annexure-11</u>	<u>Scope of Work</u>	Kindly refer the Amended Annexure-11(Scope of Work) is attached as Annexure. ✓
e.	74-78	<u>Annexure- 18</u>	<u>Bill of Material</u>	Amended Annexure-18(Bill of Material) is attached as Annexure attached as Annexure. ✓

f. Requirement Details (clause no. 7 on page no. 9):

7.1 Bank invites sealed offers ('Conformity to Eligibility Criteria', 'Technical Proposal' and 'Commercial Bid (Indicative)') for Supply, Installation, Integration and Maintenance of Servers and Other Items for various Branches/Offices of the Bank as per the Terms & Conditions, Technical Specifications and Scope of Work described elsewhere in this document. The brief description of Servers & Other Items is furnished in following tables:

Sl. No.	Item Details	Existing Quantity	Amendment Quantity
a.	Servers and Other Items as per Annexure-10	66 Servers (35 in DC and 31 in DRC)	66 Servers (35 in DC and 31 in DRC)
b.	Standard 42 U Racks	6 Nos. (3 in DC and 3 in DRC)	6 Nos. (3 in DC and 3 in DRC)
c.	Windows Server 2016 Standard OS down gradable to 2012	28 Server License (Each server is having maximum 16 Core)	28 Server License (Each server is having maximum 16 Core) ✓
d.	Windows Server 2016 Standard OS down gradable to 2012	6 Server License (Each server is having 2 processor with 16 Core each)	6 Server License (Each server is having 2 processor with 16 Core each) ✓
e.	RHEL 7.0 Enterprise Server Operating Systems	13 No.s of Server License	13 No.s of Server License ✓
f.	RHEL 7.2 Enterprise Server Operating Systems	5 No.s of Server License	7 No.s of Server License ✓
g.	Linux CentOS	2 No.s of Server License	Requirement stands deleted ✓



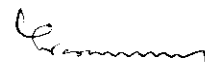
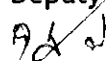
g. Payment Terms (clause no. 29 on page no. 27):

49.1 Payment schedule will be as under:

Sl. No.	Payment Stages	Existing Clause		Amended Clause	
		Percentage of Payment	Condition/Remarks	Percentage of Payment	Condition/Remarks
a.	Delivery	50%	On delivery of all Hardware & Software items on production of relevant documents. Please note that Originals of invoices (plus One Copy) reflecting GST, GSTIN, State Code, State Name, Taxes & Duties, Proof of delivery duly signed by Bank officials of the respective Branch/office and Manufacturer's / Supplier's Warranty Certificate should be submitted while claiming payment in respect of orders placed.	60%	On delivery of all Hardware & Software items on production of relevant documents. Please note that Originals of invoices (plus One Copy) reflecting GST, GSTIN, State Code, State Name, Taxes & Duties, Proof of delivery duly signed by Bank officials of the respective Branch/office and Manufacturer's / Supplier's Warranty Certificate should be submitted while claiming payment in respect of orders placed.
b.	Installation, configuration & commissioning	50%	50% of the total cost will be released after successful installation, configuration & commissioning of Hardware & Software items supplied as per Scope of Work. The vendor has to submit installation reports duly signed by the Bank officials of the respective Branch/offices, while claiming payment. The invoice and installation report should contain the product serial number of the items supplied.	40%	40% of the total cost will be released after successful installation, configuration & commissioning of Hardware & Software items supplied as per Scope of Work. The vendor has to submit installation reports duly signed by the Bank officials of the respective Branch/offices, while claiming payment. The invoice and installation report should contain the product serial number of the items supplied.

All the other Instructions and Terms & Conditions of the above RFP remain unchanged. Please take note of the above Amendments while submitting your response to the subject RFP.

Date: 25/04/2018
Place: Bengaluru


Deputy General Manager




Annexure-10 (Amended)
Technical Specification of Servers and Other Items

SUB: RFP for Supply, Installation, Integration and Maintenance of Servers and Other Items.
Ref: Your RFP 01/2018-19 dated 12/04/2018

Note:	
1.	The Bidder shall specifically mention the make and model of the items offered for all the requirements in terms of RFP without fail, failing which the Bid is liable for rejection.
2.	If the Bidder feels that certain features offered are superior to what has been specified by the Bank, it shall be highlighted separately. Information regarding any modification required in the proposed configuration to meet the intent of the specifications and state-of-the-art technology shall be provided. However, the Bank reserves the right to accept the modifications / superior features suggested/offered.
3.	The Bidder shall provide all other required equipments and services, whether or not explicitly mentioned in this RFP, to ensure the intent of specification, completeness, operability, maintainability and upgradability.
4.	The selected bidder shall own the responsibility to demonstrate that the products offered are as per the specification/performance stipulated in this RFP and as committed by the bidder either at site or in bidder's work site without any extra cost to the Bank.

A. Technical Specifications of Server (4 Nos. at DC and 4 Nos. at DRC):

1. Technical Specifications of Server (2 Nos. at DC and 2 Nos. at DRC)

Sl. No.	Particulars	Detailed Configuration	Bidder's Compliance (Yes/No)
1.	Mention Make and Model		
2.	Processors	2*Intel® Xeon® Gold 6134 Processor (24.75M Cache, 3.20 GHz with minimum 8 Core with suitable cache & turbo frequency or higher)	
3.	Chipset	Suitable Server Class Motherboard and Chipset	
4.	RAM	512 GB RDIMM and upgradable up to at least 1TB	
5.	HDD	Minimum usable 960 GB SSD Disk in RAID 1	
6.	HDD Type	SSD Disks with minimum 3 DWPD	
7.	Raid	RAID controller with minimum 1GB cache	
8.	HDD Bays	2.5" backplane with up to 8 drives.	
9.	NIC	Minimum 4 Nos of 10Gbps SFP+ Ports for Network Connectivity (required to connect active - active connectivity to 10GBASE-SR SFP Module in Bank Network Switch (Nexus 7009/7010) for Virtualization network traffic)	
10.	FC HBA	Minimum 2 Nos of 16Gbps FC Host Bus Adapters (HBA) Ports for SAN Connectivity (required to connect active - active connectivity with proposed San Switch to create VM from proposed Storage)	
11.	Form Factor	Maximum 2U	
12.	USB	Minimum 1 Ports	
13.	Certification	Certified for Windows Server 2012 R2 or later Certified for Redhat Linux 6 or later Certified for Oracle Linux Release 6 or later	
14.	OS Support & Hypervisor Support	All Kind of x86 & x86_64 OS (Redhat, SUSE, Windows Server 2012 R2 or later, etc). Hypervisor Support (ESXI, Hyper-V, KVM etc)	
15.	Drivers /	Required drivers and cables to be provided	



	Accessories		
16.	Remote Management	Server configuration Management with dedicate network port connectivity	
17.	Others	Required Cables has to be provided by the vendor.	

2. Technical Specifications of Server (2 Nos. at DC and 2 Nos. at DRC):

Sl. No.	Particulars	Detailed Configuration	Bidder's Compliance (Yes/No)
1.	Mention Make and Model		
2.	Processors	2*Intel® Xeon® Gold 6134 Processor (24.75M Cache, 3.20 GHz with minimum 8 Core with suitable cache & turbo frequency or higher)	
3.	Chipset	Suitable Server Class Motherboard and Chipset	
4.	RAM	512 GB RDIMM and upgradable up to at least 1TB	
5.	HDD	Minimum usable 960 GB SSD Disk in RAID 1	
6.	HDD Type	SSD Disks with minimum 3 DWPD	
7.	Raid	RAID controller with minimum 1GB cache	
8.	HDD Bays	2.5" backplane with up to 8 drives.	
9.	NIC	Minimum 6 Nos of 10Gbps SFP+ Ports for Network Connectivity (required to connect active - active connectivity to 10GBASE-SR SFP Module in Bank Network Switch (Nexus 7009/7010) for Virtualization network traffic)	
10.	FC HBA	Minimum 2 Nos of 16Gbps FC Host Bus Adapters (HBA) Ports for SAN Connectivity (required to connect active - active connectivity with proposed San Switch to create VM from proposed Storage)	
11.	Form Factor	Maximum 2U	
12.	USB	Minimum 1 Ports	
13.	Certification	Certified for Windows Server 2012 R2 or later Certified for Redhat Linux 6 or later Certified for Oracle Linux Release 6 or later	
14.	OS Support & Hypervisor Support	All Kind of x86 & x86_64 OS (Redhat, SUSE, Windows Server 2012 R2 or later, etc). Hypervisor Support (ESXI, Hyper-V, KVM etc)	
15.	Drivers / Accessories	Required drivers and cables to be provided	
16.	Remote Management	Server configuration Management with dedicate network port connectivity	
17.	Others	Required Cables has to be provided by the vendor.	

B. Technical Specifications of Database Servers (1 No. at DRC)

Sl. No.	Particulars	Detailed Configuration	Bidder's Compliance (Yes/No)
1.	Mention Make and Model		
2.	Processor	Intel® Xeon® Silver 4112 Processor (4 Core, 2.60 GHz Base Frequency, 8.25 L3 Cache) or higher Should be scalable to 2 CPUs socket	
3.	Chipset	Suitable Server Class Motherboard and Chipset	



4.	RAM	Minimum 64 GB DDR4 RAM and upgradable up to at least 128 GB	
5.	HDD	Minimum usable capacity of 2.4 TB in RAID 5 Configuration.	
6.	HDD Type	SSD Disks with minimum 3 DWPD	
7.	Raid	RAID controller with minimum 1 GB cache	
8.	HDD Bays	2.5" backplane for minimum 6 drives.	
9.	NIC	Minimum 2 Nos. of Dedicated 1 Gbps Ethernet adapter and 2 meters CAT 6 Cable	
10.	USB	Minimum 1 Port	
11.	FC HBA	Minimum 2 Nos of 16Gbps FC Host Bus Adapters (HBA) Ports for SAN Connectivity (required to connect active - active connectivity with proposed San Switch to create VM from proposed Storage)	
12.	Remote Management	Dedicate port connectivity	
13.	Form Factor	Rack Server up to 2U	
14.	OS Support & Hypervisor Support	All Kind of x86 & x86_64 OS (Windows 2016 Server Standard edition or later). Hypervisor Support (ESXI, Hyper-V, KVM etc)	
15.	Certification	a) Certified for Windows Server 2016 or later b) Certified for Redhat Linux 6 or Later c) Certified for Oracle Linux release 6 or later d) IPv6	
16.	Drivers/ Accessories/ Others	Required Installation Media, Kit, downloadable drivers and cables to be provided.	
17.	Software Compatibility	.net Framework 4.5 and above	

C. Technical Specifications Server (2 No. at DC and 2 Nos. at DRC):

1. Technical Specifications Server (1 No. at DC and 1 Nos. at DRC):

Sl. No.	Particulars	Detailed Configuration	Bidder's Compliance (Yes/No)
1.	Mention Make and Model		
2.	Processor	Intel® Xeon® Silver 4116 Processor (minimum 12 Core, 2.10 GHz Base Frequency, 16.5 MB L3 Cache) or higher Should be scalable to 2 CPUs socket	
3.	Chipset	Suitable Server Class Motherboard and Chipset	
4.	RAM	Minimum 64 GB DDR4 RAM and upgradable up to at least 128 GB	
5.	HDD	Minimum usable capacity of 4 TB in RAID 5 Configuration	
6.	HDD Type	SSD Disks with minimum 3 DWPD	
7.	Raid	RAID controller with minimum 1 GB cache	
8.	NIC	Minimum 3 Nos. of Dedicated 1 Gbps Ethernet adapter and 2 meters CAT 6 Cable	
9.	USB	Minimum 1 Port	
10.	Remote Management	Dedicate port connectivity	
11.	Form Factor	Rack Server up to 2U	
12.	Operating	NA	



	System		
13.	Certification	IPv6	
14.	Drivers/ Accessories/ Others	Required Installation Media, Kit, downloadable drivers and cables to be provided.	
15.	Compatibility	Server should be compatible with Checkpoint setup(GAiA and Secure Platform R77 and R80) https://www.checkpoint.com/support-services/hcl/	

2. Technical Specifications Server (1 No. at DC and 1 Nos. at DRC):

Sl. No.	Particulars	Detailed Configuration	Bidder's Compliance (Yes/No)
1.	Mention Make and Model		
2.	Processor	Intel® Xeon® Silver 4116 Processor (minimum 12 Core, 2.10 GHz Base Frequency, 16.5 MB L3 Cache) or higher Should be scalable to 2 CPUs socket	
3.	Chipset	Suitable Server Class Motherboard and Chipset	
4.	RAM	Minimum 64 GB DDR4 RAM and upgradable up to at least 128 GB	
5.	HDD	Minimum usable capacity of 2 TB in RAID 5 Configuration	
6.	HDD Type	SSD Disks with minimum 3 DWPD	
7.	Raid	RAID controller with minimum 1 GB cache	
8.	NIC	Minimum 3 Nos. of Dedicated 1 Gbps Ethernet adapter and 2 meters CAT 6 Cable	
9.	USB	Minimum 1 Port	
10.	Remote Management	Dedicate port connectivity	
11.	Form Factor	Rack Server up to 2U	
12.	Operating System	NA	
13.	Certification	IPv6	
14.	Drivers/ Accessories/ Others	Required Installation Media, Kit, downloadable drivers and cables to be provided.	
15.	Compatibility	Server should be compatible with Checkpoint setup(GAiA and Secure Platform R77 and R80) https://www.checkpoint.com/support-services/hcl/	

D. Technical Specifications of Server (2 No. at DC and 2 No. at DRC):

1. Technical Specifications of Application Server (1 No. at DC and 1 No. at DRC):

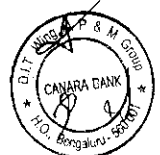
Sl. No.	Particulars	Detailed Configuration	Bidder's Compliance (Yes/No)
1.	Mention Make and Model		
2.	Processor	Intel® Xeon® Silver 4114 Processor (8 Core, 2.20 GHz Base Frequency, 13.75 L3 Cache) or higher Should be scalable to 2 CPUs socket	



3.	Chipset	Suitable Server Class Motherboard and Chipset	
4.	RAM	Minimum 64 GB DDR4 RAM and upgradable up to at least 128 GB	
5.	HDD	Minimum usable capacity of 2*600 GB in 10k RPM RAID 1 Configuration	
6.	HDD Type	SSD Disks with minimum 3 DWPD	
7.	Raid	RAID controller with minimum 1 GB cache	
8.	NIC	Minimum 2 Nos. of Dedicated 1 Gbps Ethernet adapter and 2 meters CAT 6 Cable	
9.	USB	Minimum 1 Port	
10.	Remote Management	Dedicate port connectivity	
11.	Form Factor	Rack Server up to 2U	
12.	OS Support	RHEL 7.2 and later	
13.	Certification	IPv6	
14.	Drivers/ Accessories/ Others	Required Installation Media, Kit, downloadable drivers and cables to be provided.	

2. Technical Specifications of Database Server (1 No. at DC and 1 No. at DRC):

Sl. No.	Particulars	Detailed Configuration	Bidder's Compliance (Yes/No)
1.	Mention Make and Model		
2.	Processor	Intel® Xeon® Silver 4114 Processor (8 Core, 2.20 GHz Base Frequency, 13.75 L3 Cache) or higher Should be scalable to 2 CPUs socket	
3.	Chipset	Suitable Server Class Motherboard and Chipset	
4.	RAM	Minimum 64 GB DDR4 RAM and upgradable up to at least 128 GB	
5.	HDD	Minimum usable capacity of 10*900 GB in 15k RPM RAID 1 Configuration	
6.	HDD Type	SSD Disks with minimum 3 DWPD	
7.	Raid	RAID controller with minimum 1 GB cache	
8.	NIC	Minimum 2 Nos. of Dedicated 1 Gbps Ethernet adapter and 2 meters CAT 6 Cable	
9.	USB	Minimum 1 Port	
10.	Remote Management	Dedicate port connectivity	
11.	Form Factor	Rack Server up to 2U	
12.	OS Support	Windows Server 2012 or above.	
13.	Certification	IPv6	
14.	Drivers/ Accessories/ Others	Required Installation Media, Kit, downloadable drivers and cables to be provided.	



E. Technical Specifications of Application & Database Servers (3 Nos. at DC and 3 Nos. at DRC)

Sl. No.	Particulars	Detailed Configuration	Bidder's Compliance (Yes/No)
1.	Mention Make and Model		
2.	Processor	2 X Intel Xeon Gold 6130 Processor (16 Core, 2.10 GHz Base Frequency, 22 MB L3 Cache) or higher	
3.	Chipset	Suitable Server Class Motherboard and Chipset	
4.	RAM	Minimum 128 GB DDR4 2666 or higher upgradable to 768 GB	
5.	HDD	Minimum usable capacity of 2TB in RAID 5 Configuration.	
6.	HDD Type	SSD Disks with minimum 3 DWPD	
7.	Raid	RAID 5 controller with minimum 1 GB cache	
8.	HDD Bays	2.5 backplane for minimum 6 drives.	
9.	NIC	Minimum 2 Nos. of Dedicated 1 Gbps Ethernet adapter and 2 meters CAT 6 Cable	
10.	USB	Minimum 2 Port	
11.	FC HBA	Minimum 2 Nos of 16Gbps FC Host Bus Adapters (HBA) Ports for SAN Connectivity (required to connect active - active connectivity with proposed San Switch to create VM from proposed Storage)	
12.	Remote Management	Dedicate port connectivity	
13.	Form Factor	Rack Server up to 3U	
14.	OS Support & Hypervisor Support	All Kind of x86 & x86_64 OS (Windows 2016 Server Standard edition or later, etc). Hypervisor Support (ESXI, Hyper-V, KVM, OVM etc)	
15.	Certification	a) Certified for Windows Server 2016 or later b) IPv6	
16.	Drivers/ Accessories/ Others	Required Installation Media, Kit, downloadable drivers and cables to be provided.	
17.	Software Compatibility	.net Framework 4.5 and above	

F. Technical Specifications of Servers (7 Nos. at DC and 5 Nos. at DRC):

1. Technical Specifications of Application and Web Server (2 Nos. at DC and 4 Nos. at DRC)

Sl. No.	Particulars	Detailed Configuration	Bidder's Compliance (Yes/No)
1.	Mention Make and Model		
2.	Processor	Intel® Xeon® Silver 4110 Processor (8 Core, 2.10 GHz Base Frequency, 11 MB L3 Cache) or higher Should be scalable to 2 CPUs socket	
3.	Chipset	Suitable Server Class Motherboard and Chipset	
4.	RAM	Minimum 32 GB DDR4 RAM and upgradable up to at least 128 GB	
5.	HDD	Minimum usable capacity of 1 TB in RAID 5 Configuration.	
6.	HDD Type	SSD Disks with minimum 3 DWPD	
7.	Raid	RAID controller with minimum 1 GB cache	



8.	HDD Bays	2.5" backplane for minimum 6 drives.	
9.	NIC	Minimum 2 Nos. of Dedicated 1 Gbps Ethernet adapter and 2 meters CAT 6 Cable	
10.	USB	Minimum 2 Port	
11.	FC HBA	Minimum 2 Nos of 16Gbps FC Host Bus Adapters (HBA) Ports for SAN Connectivity (required to connect active - active connectivity with proposed San Switch to create VM from proposed Storage)	
12.	Remote Management	Dedicate port connectivity	
13.	Form Factor	Rack Server up to 2U	
14.	OS Support & Hypervisor Support	All Kind of x86 & x86_64 OS (RHEL 7.0 or latest compatible). Hypervisor Support (ESXI, Hyper-V, KVM etc)	
15.	Certification	a) RHEL Server 7.0 or later b) IPv6	
16.	Drivers/ Accessories/ Others	Required Installation Media, Kit, downloadable drivers and cables to be provided.	
17.	Software Compatibility	Java 1.8	

2. Technical Specifications UAT Application and Web Server (4 nos. at DC)

Sl. No.	Particulars	Detailed Configuration	Bidder's Compliance (Yes/No)
1.	Mention Make and Model		
2.	Processor	Intel® Xeon® Silver 4112 Processor (4 Core, 2.60 GHz Base Frequency, 8.25 L3 Cache) or higher Should be scalable to 2 CPUs socket	
3.	Chipset	Suitable Server Class Motherboard and Chipset	
4.	RAM	Minimum 32 GB DDR4 RAM and upgradable up to at least 128 GB	
5.	HDD	Minimum usable capacity of 1 TB in RAID 5 Configuration.	
6.	HDD Type	SSD Disks with minimum 3 DWPD	
7.	Raid	RAID controller with minimum 1 GB cache	
8.	HDD Bays	2.5" backplane for minimum 6 drives.	
9.	NIC	Minimum 2 Nos. of Dedicated 1 Gbps Ethernet adapter and 2 meters CAT 6 Cable	
10.	USB	Minimum 2 Port	
11.	FC HBA	Minimum 2 Nos of 16Gbps FC Host Bus Adapters (HBA) Ports for SAN Connectivity (required to connect active - active connectivity with proposed San Switch to create VM from proposed Storage)	
12.	Remote Management	Dedicate port connectivity	
13.	Form Factor	Rack Server up to 2U	
14.	OS Support & Hypervisor Support	All Kind of x86 & x86_64 OS (RHEL 7.0 or latest compatible). Hypervisor Support (ESXI, Hyper-V, KVM etc)	
15.	Drivers/ Accessories/ Others	a) RHEL Server 7.0 or later b) IPv6	



16.	Certification	Required Installation Media, Kit, downloadable drivers and cables to be provided.	
17.	Software Compatibility	Java 1.8	

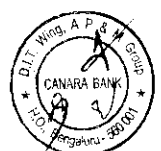
3. Technical Specifications Reporting Server (1 no. at DC and 1 no. in DRC)

Sl. No.	Particulars	Detailed Configuration	Bidder's Compliance (Yes/No)
1.	Mention Make and Model		
2.	Processor	Intel® Xeon® Gold 6130 Processor (16 Core, 2.10 GHz Base Frequency, 22 MB L3 Cache) or higher Should be scalable to 2 CPUs socket	
3.	Chipset	Suitable Server Class Motherboard and Chipset	
4.	RAM	Minimum 32 GB DDR4 RAM and upgradable up to at least 128 GB	
5.	HDD	Minimum usable capacity of 2 TB in RAID 5 Configuration.	
6.	HDD Type	SSD Disks with minimum 3 DWPD	
7.	Raid	RAID controller with minimum 1 GB cache	
8.	HDD Bays	2.5" backplane for minimum 6 drives.	
9.	NIC	Minimum 2 Nos. of Dedicated 1 Gbps Ethernet adapter and 2 meters CAT 6 Cable	
10.	USB	Minimum 2 Port	
11.	FC HBA	Minimum 2 Nos of 16Gbps FC Host Bus Adapters (HBA) Ports for SAN Connectivity (required to connect active - active connectivity with proposed San Switch to create VM from proposed Storage)	
12.	Remote Management	Dedicate port connectivity	
13.	Form Factor	Rack Server up to 2U	
14.	OS Support & Hypervisor Support	All Kind of x86 & x86_64 OS (RHEL 7.0 or latest compatible). Hypervisor Support (ESXI, Hyper-V, KVM etc)	
15.	Drivers/ Accessories/ Others	a) RHEL Server 7.0 or later b) IPV6	
16.	Certification	Required Installation Media, Kit, downloadable drivers and cables to be provided.	
17.	Software Compatibility	Java 1.8	

G. Technical Specifications of Servers (9 Nos. at DC and 6 Nos. at DRC):

1. Technical Specifications of Application and Web Server (4 Nos. at DC and 4 Nos. at DRC):

Sl. No.	Particulars	Detailed Configuration	Bidder's Compliance (Yes/No)
1.	Mention Make and Model		
2.	Processor	Intel® Xeon® Silver 4110 Processor (8 Core, 2.10 GHz Base Frequency, 11 MB L3 Cache) or higher Should be scalable to 2 CPUs socket	



3.	Chipset	Suitable Server Class Motherboard and Chipset	
4.	RAM	Minimum 64 GB DDR4 RAM and upgradable up to at least 128 GB	
5.	HDD	Minimum usable capacity of 1 TB in RAID 5 Configuration.	
6.	HDD Type	SSD Disks with minimum 3 DWPD	
7.	Raid	RAID controller with minimum 1 GB cache	
8.	HDD Bays	2.5" backplane for minimum 6 drives.	
9.	NIC	Minimum 2 Nos. of Dedicated 1 Gbps Ethernet adapter and 3 meters CAT 6 Cable	
10.	USB	Minimum 2 Ports	
11.	FC HBA	Minimum 2 Nos of 16Gbps FC Host Bus Adapters (HBA) Ports for SAN Connectivity (required to connect active - active connectivity with proposed San Switch to create VM from proposed Storage)	
12.	Remote Management	Dedicate port connectivity	
13.	Form Factor	Rack Server up to 2U	
14.	OS Support	All Kind of x86 & x86_64 OS (Windows 2016 Server Standard edition or later, etc).	
15.	Certification	a) Certified for Windows Server 2016 or later b) IPv6	
16.	Drivers/Accessories / Others	Required Installation Media, Kit, downloadable drivers and cables to be provided.	
17.	Software Compatibility	.net Framework 4.5 and above IIS 8.0 and above	

2. Technical Specifications Database Servers (2 nos. at DC and 2 Nos. at DRC):

Sl. No.	Particulars	Detailed Configuration	Bidder's Compliance (Yes/No)
1.	Mention Make and Model		
2.	Processor	Intel® Xeon® Silver 4110 Processor (8 Core, 2.10 GHz Base Frequency, 11 MB L3 Cache) or higher Should be scalable to 2 CPUs socket	
3.	Chipset	Suitable Server Class Motherboard and Chipset	
4.	RAM	Minimum 128 GB DDR4	
5.	HDD	Minimum usable capacity of 2 TB in RAID5 Configuration.	
6.	HDD Type	SSD Disks with minimum 3 DWPD	
7.	Raid	RAID controller with minimum 1 GB cache	
8.	HDD Bays	2.5" backplane for minimum 6 drives.	
9.	NIC	Minimum 2 Nos. of Dedicated 1 Gbps Ethernet adapter and 3 meters CAT 6 Cable	
10.	USB	Minimum 2 Ports	
11.	FC HBA	Minimum 2 Nos of 16Gbps FC Host Bus Adapters (HBA) Ports for SAN Connectivity (required to connect active - active connectivity with proposed San Switch to create VM from proposed Storage)	
12.	Remote Management	Dedicate port connectivity	





13.	Form Factor	Rack Server up to 2U	
14.	OS Support	RHEL 7.2 and higher	
15.	Drivers/Accessories/Others	a) Certified for RHEL 7.2 or later b) IPv6	
16.	Certification	Required Installation Media, Kit, downloadable drivers and cables to be provided.	
17.	Software Compatibility	Oracle 11 g and higher	

3. Technical Specifications Application & Web Servers for UAT (1 no. at DC and 1 no. in DRC)

Sl. No.	Particulars	Detailed Configuration	Bidder's Compliance (Yes/No)
1.	Mention Make and Model		
2.	Processor	Intel® Xeon® Silver 4112 Processor (4 Core, 2.60 GHz Base Frequency, 8.25 L3 Cache) or higher Should be scalable to 2 CPUs socket	
3.	Chipset	Suitable Server Class Motherboard and Chipset	
4.	RAM	Minimum 64 GB DDR4	
5.	HDD	Minimum usable capacity of 500 GB in RAID5 Configuration.	
6.	HDD Type	SSD Disks with minimum 3 DWPD	
7.	Raid	RAID controller with minimum 1 GB cache	
8.	HDD Bays	2.5" backplane for minimum 6 drives.	
9.	NIC	Minimum 2 Nos. of Dedicated 1 Gbps Ethernet adapter and 3 meters CAT 6 Cable	
10.	USB	Minimum 2 Ports	
11.	FC HBA	Minimum 2 Nos of 16Gbps FC Host Bus Adapters (HBA) Ports for SAN Connectivity (required to connect active - active connectivity with proposed San Switch to create VM from proposed Storage)	
12.	Remote Management	Dedicate port connectivity	
13.	Form Factor	Rack Server up to 2U	
14.	OS Support	All Kind of x86 & x86_64 OS (Windows 2016 Server Standard edition or later, etc).	
15.	Drivers/Accessories/Others	a) Certified for Windows Server 2016 or later b) IPv6	
16.	Certification	Required Installation Media, Kit, downloadable drivers and cables to be provided.	
17.	Software Compatibility	.net Framework 4.5 and above IIS 8.0 and above	



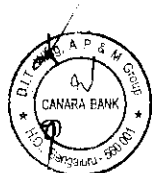
4. Technical Specifications Database Server for UAT (1 no. at DC)

Sl. No.	Particulars	Detailed Configuration	Bidder's Compliance (Yes/No)
1.	Mention Make and Model		
2.	Processor	Intel® Xeon® Silver 4112 Processor (4 Core, 2.60 GHz Base Frequency, 8.25 L3 Cache) or higher Should be scalable to 2 CPUs socket	
3.	Chipset	Suitable Server Class Motherboard and Chipset	
4.	RAM	Minimum 64 GB DDR4	
5.	HDD	Minimum usable capacity of 500 GB in RAID5 Configuration.	
6.	HDD Type	SSD Disks with minimum 3 DWPD	
7.	Raid	RAID controller with minimum 1 GB cache	
8.	HDD Bays	2.5" backplane for minimum 6 drives.	
9.	NIC	Minimum 2 Nos. of Dedicated 1 Gbps Ethernet adapter and 3 meters CAT 6 Cable	
10.	USB	Minimum 2 Ports	
11.	FC HBA	Minimum 2 Nos of 16Gbps FC Host Bus Adapters (HBA) Ports for SAN Connectivity (required to connect active - active connectivity with proposed San Switch to create VM from proposed Storage)	
12.	Remote Management	Dedicate port connectivity	
13.	Form Factor	Rack Server up to 2U	
14.	OS Support	RHEL 7.2 and higher	
15.	Drivers/ Accessories/ Others	a) Certified for RHEL 7.2 or later b) IPv6	
16.	Certification	Required Installation Media, Kit, downloadable drivers and cables to be provided.	
17.	Software Compatibility	Oracle 11 g and higher	

H. Technical Specifications of Server (4 Nos. at DC and 4 Nos. at DRC):

1. Technical Specifications of Application Server (2 Nos. at DC and 2 Nos. at DRC):

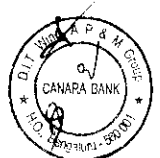
Sl. No.	Particulars	Detailed Configuration	Bidder's Compliance (Yes/No)
1.	Mention Make and Model		
2.	Processor	Intel® Xeon® Silver 4110 Processor (8 Core, 2.10 GHz Base Frequency, 11MB L3 Cache) or higher Should be scalable to 2 CPUs socket	
3.	Chipset	Suitable Server Class Motherboard and Chipset	
4.	RAM	Minimum 32 GB DDR4 RAM and upgradable up to at least 128 GB	
5.	HDD	Minimum usable capacity of 1 TB in RAID 5 Configuration.	
6.	HDD Type	SSD Disks with minimum 3 DWPD	
7.	Raid	RAID controller with minimum 1 GB cache	



8.	HDD Bays	2.5" backplane for minimum 6 drives.	
9.	NIC	Minimum 2 Nos. of Dedicated 1 Gbps Ethernet adapter and 2 meters CAT 6 Cable	
10.	USB	Minimum 1 Port	
11.	FC HBA	Minimum 2 Nos of 16Gbps FC Host Bus Adapters (HBA) Ports for SAN Connectivity (required to connect active - active connectivity with proposed San Switch to create VM from proposed Storage)	
12.	Remote Management	Dedicate port connectivity	
13.	Form Factor	Rack Server up to 2U	
14.	OS Support & Hypervisor Support	All Kind of x86 & x86_64 OS (Windows 2012 Server Standard edition or later, etc). Hypervisor Support for virtualization.	
15.	Certification	a) Certified for Windows Server 2012 R2 or later b) IPv6	
16.	Drivers/ Accessories/ Others	Required Installation Media, Kit, downloadable drivers and cables to be provided.	
17.	Software Compatibility	.net Framework 4.5 and above	

2. Technical Specifications Web Server (2 nos. at DC and 2 Nos. at DR)

Sl. No.	Particulars	Detailed Configuration	Bidder's Compliance (Yes/No)
1.	Mention Make and Model		
2.	Processor	Intel® Xeon® Silver 4110 Processor (8 Core, 2.10 GHz Base Frequency, 11MB L3 Cache) or higher Should be scalable to 2 CPUs socket	
3.	Chipset	Suitable Server Class Motherboard and Chipset	
4.	RAM	Minimum 32 GB DDR4 RAM and upgradable up to at least 128 GB	
5.	HDD	Minimum usable capacity of 1 TB in RAID 5 Configuration.	
6.	HDD Type	SSD Disks with minimum 3 DWPD	
7.	Raid	RAID controller with minimum 1 GB cache	
8.	HDD Bays	2.5" backplane for minimum 6 drives.	
9.	NIC	Minimum 2 Nos. of Dedicated 1 Gbps Ethernet adapter and 2 meters CAT 6 Cable	
10.	USB	Minimum 1 Port	
11.	FC HBA	Minimum 2 Nos of 16Gbps FC Host Bus Adapters (HBA) Ports for SAN Connectivity (required to connect active - active connectivity with proposed San Switch to create VM from proposed Storage)	
12.	Remote Management	Dedicate port connectivity	
13.	Form Factor	Rack Server up to 2U	
14.	OS Support & Hypervisor Support	All Kind of x86 & x86_64 OS (Windows 2012 Server Standard edition or later, etc). Hypervisor Support for virtualization.	



15.	Certification	a) Certified for Windows Server 2012R2 or later b) IPv6	
16.	Drivers/ Accessories/ Others	Required Installation Media, Kit, downloadable drivers and cables to be provided.	
17.	Software Compatibility	.net Framework 4.5 and above	

I. Technical Specifications of Servers (4 Nos. at DC and 4 Nos. at DR):

1. Technical Specifications of Application Server (2 Nos. at DC and 2 Nos. at DRC):

Sl. No.	Particulars	Detailed Configuration	Bidder's Compliance (Yes/No)
1.	Mention Make and Model		
2.	Processor	Intel® Xeon® Silver Processor 4110 (8 Core, 2.10 GHz Base Frequency, 8.0 GT/s, 11MB L3 Cache) or higher Should be scalable to 2 CPUs socket	
3.	Chipset	Suitable Server Class Motherboard and Chipset	
4.	RAM	Minimum 64 GB DDR4 RAM and upgradable up to at least 128 GB	
5.	HDD	Minimum usable capacity of 1 TB in RAID 5 Configuration.	
6.	HDD Type	SSD Disks with minimum 3 DWPD	
7.	Raid	RAID controller with minimum 1 GB cache	
8.	HDD Bays	2.5" backplane for minimum 6 drives.	
9.	NIC	Minimum 2 Nos. of Dedicated 1 Gbps Ethernet adapter and 2 meters CAT 6 Cable	
10.	USB	Minimum 1 Port	
11.	FC HBA	Minimum 2 Nos of 16Gbps FC Host Bus Adapters (HBA) Ports for SAN Connectivity (required to connect active - active connectivity with proposed San Switch to create VM from proposed Storage)	
12.	Remote Management	Dedicate port connectivity	
13.	Form Factor	Rack Server up to 2U	
14.	OS Support & Hypervisor Support	All Kind of x86 & x86_64 OS (Windows 2016 Server Standard edition or later, etc). Hypervisor Support (ESXI, Hyper-V, KVM etc)	
15.	Certification	a) Certified for Windows Server 2016 or later b) IPv6	
16.	Drivers/ Accessories/ Others	Required Installation Media, Kit, downloadable drivers and cables to be provided.	
17.	Software Compatibility	.net Framework 4.5 and above	



2. Technical Specifications Web Server (2 nos. at DC and 2 Nos. at DR)

Sl. No.	Particulars	Detailed Configuration	Bidder's Compliance (Yes/No)
1.	Mention Make and Model		
2.	Processor	Intel® Xeon® Silver Processor 4110 (8 Core, 2.10 GHz Base Frequency, 8.0 GT/s, 11MB L3 Cache) or higher Should be scalable to 2 CPUs socket	
3.	Chipset	Suitable Server Class Motherboard and Chipset	
4.	RAM	Minimum 32 GB DDR4 and upgradable up to at least 128 GB	
5.	HDD	Minimum usable capacity of 250 GB in RAID 0 Configuration.	
6.	HDD Type	SSD Disks with minimum 3 DWPD	
7.	Raid	RAID controller with minimum 1 GB cache	
8.	HDD Bays	2.5" backplane for minimum 6 drives.	
9.	NIC	Minimum 2 Nos. of Dedicated 1 Gbps Ethernet adapter and 2 meters CAT 6 Cable	
10.	USB	Minimum 1 Port	
11.	FC HBA	Minimum 2 Nos of 16Gbps FC Host Bus Adapters (HBA) Ports for SAN Connectivity (required to connect active - active connectivity with proposed San Switch to create VM from proposed Storage)	
12.	Remote Management	Dedicate port connectivity	
13.	Form Factor	Rack Server up to 2U	
14.	OS Support & Hypervisor Support	All Kind of x86 & x86_64 OS (Windows 2012 Server Standard Edition or later, etc). Hypervisor Support (ESXI, Hyper-V, KVM etc)	
15.	Drivers/ Accessories/ Others	a) Certified for Windows Server 2012 or later b) IPv6	
16.	Certification	IIS 8.0 and above, IE8 and above, .net Framework 4.5 and above	

J. Technical Specifications Standard 42U Racks (3 nos. at DC and 3 Nos. at DR):

Sl. No.	Detailed Configuration	Bidder's Compliance (Yes/No)
1.	Mention Make and Model	
2.	Enclosure with additional Shock pallet and loading ramps.	
3.	4 interior vertical posts with unthreaded square hole openings.	
4.	Massive front to rear ventilation capacity.	
5.	3000 lb stationary/2250 lb rolling load capacity.	
6.	Locking, removable, reversible front and rear doors.	
7.	Locking, removable side panels keyed alike with doors.	
8.	PDU (primary and redundant) with minimum 20 sockets in each PDU for every Rack.	
9.	Complete shipping and assembling should be taken care by the successful Bidder.	



K. Technical Specifications of Operating Software Items (only Paper License):

Sl. No.	Software/Operating System	Particulars	Bidder's Compliance (Yes/No)
1.	Windows Server 2016 Standard OS down gradable to 2012	28 Server License (Each server is having maximum 16 Core)	
2.	Windows Server 2016 Standard OS down gradable to 2012	6 Server License (Each server is having 2 processor with 16 Core each)	
3.	RHEL 7.0 Enterprise Server Operating Systems	13 No.s of Server License	
4.	RHEL 7.2 Enterprise Server Operating Systems	7 No.s of Server License	

Date

Signature with seal

Name :

Designation :



Amended Annexure-11
Scope of Work

SUB: RFP for Supply, Installation, Integration and Maintenance of Servers and Other Items.
Ref: Your RFP 01/2018-19 dated 12/04/2018

Sl. No.	Scope of Work	Bidder's Compliance (Yes/No)
1.	The activities mentioned in the scope of work is for entire project tenure and the configuration as per the technical and other specifications of the Servers & Other Items must be functional and installed from the day one.	
2.	The Bidder must provide published SPECint_rate2006 for the offered hardware.	
3.	Prior to configuration and Integration, the bidder needs to study the existing setup at our DIT Wing, Bangalore and prepare detailed implementation plan. On approval of the same by Bank, Server Installation & Configuration to be carried out.	
4.	Bidder's has to install/re-install the operating systems software in the servers asked in the RFP.	
5.	The Bidder should attend to re-installation of Servers due to any reason like OS up gradation in Servers etc. as a part of Warranty/AMC.	
6.	The Bidder has to do code/firmware upgrade in Servers as and when required by the Bank during the Warranty and AMC period.	
7.	The bidder has to configure the existing backup infrastructure (Microfocus Dataprotector) agents in the proposed server for database backup if required.	
8.	The bidder has to configure OS backup.	
9.	Hardware and Software installation and configuration for the entire set up to be handled by the qualified/experienced personnel only.	
10.	All necessary cables and other accessories required for successful installation of the hardware items as per the Scope of Work to be supplied by the Bidder and the cost of the same to be added along with the respective Hardware items while quoting.	
11.	The Bidder should setup the partition as required by the Bank. The details of the setup will be provided during the setup to the successful bidder.	
12.	All patch update, firmware update and patch management to be taken care and setup with confirmation as required.	
13.	The Bidder shall conform the integrity of the software supplied i.e. the software is free from bugs, malware, covert channels in code etc.	
14.	Bidder has to install /re-install the operating system (if required), other software in the servers and support the same during warranty and AMC period without any extra cost to the Bank.	
15.	Bidder has to do Clustering/re-clustering (if required), without any extra cost to the Bank.	
16.	Bidder must generate and provide a complete holistic report before handover to ensure 100% serviceability of delivered solution.	
17.	Bidder should comply with the IS security policy of the bank.	
18.	Bidder must provide detail architecture of the provided solution along Installation and Administration guide which must include High level Design (HLD) and Low Level Design (LLD).	
19.	Bidder is responsible if any new firmware or code/update/upgrade should be informed to the bank within seven days (7 days) of the release and provide the upgrade solution (software) within one month (1 month) of such releases without any cost to the bank during the period of contract.	
20.	Bank will not provide any remote session like Team Viewer, WebEx etc for any kind of installation, bug fixing, update and upgrade in entire project tenure.	



21.	The bidder shall supply along with each item all the related documents, Software Licenses loaded in the configuration Management Solution and Other Items without any additional cost. The documents shall be in English. These will include but not restricted to User Manual, Operation Manual, Other Software and Drivers etc.	
22.	All related documents, manuals, catalogues and information furnished by the bidder shall become the property of the Bank.	
23.	The Proposed Solution must support ACL for /HTTP /HTTPS /FTP /SSH /SMTP /SNMP etc.	
24.	Propose solutions should have secure, authorize and privileged based access for Server management console.	
25.	The bidder has to provide Server Hardening	
26.	8*7*365 Onsite support.	
27.	The proposed server should able to	
a.	Integration with Event & Syslog Management	
b.	Integration with SIEM Solution	
c.	Integration with Event correlation engine tools	
d.	Integration with in-house Auto ticketing tool	
e.	Integration with market available auto ticketing tool	
f.	Integration with any ITSM tool	
g.	Integration with configuration management tool	
28.	The bidder must coordinate with the application owner for successful installation.	
29.	The bidder should Supply, installation, configuration of proposed servers and other hardware & accessories, commissioning and maintenance of the same hardware & accessories of specified configuration for Biometric Login Solution at identified location.	
30.	Bank will specify the location for supply and installation of servers & other related hardware / software at the time of placing purchase order to the successful bidder. Bank may change the locations at a future date. The selected Bidder should take responsibility for dismantling, shifting to new location and reinstallation at the new location on the mutually agreed cost.	
31.	The supplier has to ensure on-site support for resolving all Hardware, OS (Operating Systems) & other software related issues, including reinstallation of OS and other software, during warranty and AMC (Annual Maintenance Contract)/ATS (Annual Technical Support) period (or such other extended period as per the contract terms and paid maintenance will commence only thereafter).	
32.	The accessories (including cables, rack mounting kit, Power strip in the rack etc.,) required for the installation and configuration of the equipment should also be specified and supplied by the Bidder. Bank will not arrange for the same.	
33.	Bidder should specify various infrastructure requirements, which need to be provided for commissioning and smooth functioning of the equipment. This will include site requirements, power, cooling, UPS, environmental conditions, illumination, etc.	
34.	Bidder should provide comprehensive on-site warranty of 3 years for hardware and AMC of 2 year as per TCO.	
35.	All the parts of items would be covered under comprehensive warranty/AMC/ATS. If there is any gap between Bank's requirement and OEM Warranty/AMC/ATS then it will be the responsibility of bidder to fill up the gap.	
36.	Bidder has to carryout hardening of OS (Operating System), patch management activity and other configuration on OS, software, etc., as per the requirement of the bank or Audit of the bank during the warranty/AMC/ATS period as per Bank's requirement. Bidder has to undertake BIOS, OS, etc. upgrade wherever the requirement is felt by bank (during Warranty/AMC/ATS). Bank conducts VA & PT	



	(Vulnerability Assessment & Penetration Testing) and Information security audit on quarterly basis. The vendor/supplier needs to comply with the findings of the VA & PT in terms of the hardware/OS provided to the Bank.	
37.	The Bidder will provide the hardware as per Annexure-10, in case at the time of delivery if the same model is not available then the bidder may supply the latest available higher same model at no extra cost. The new offered model should be comparable as per Annexure -10 specifications. The bank's prior permission is needed if the bidder is supplying new hardware at the time of delivery.	
38.	Bidder has to guarantee minimum uptime of 99.90% and should be ready to execute service level agreement for the same.	
39.	Bidder should undertake to provide maintenance support during warranty and post warranty period for equipment's and spare parts should be available for a minimum period of 5 years. Comprehensive annual maintenance contract has to be entered into separately with the bank. The bidder shall provide support services for 8x7 days with 4 hrs. problem resolution commitment time unless specified otherwise	
40.	Any additional requirement regarding hardware and software, after awarding the contract will not be entertained by the Bank. The Bidder shall be responsible for the same.	

Date

Signature with seal

Name :

Designation :



Amended Annexure- 18
Bill of Material

SUB: RFP for Supply, Installation, Integration and Maintenance of Servers and Other Items.
Ref: Your RFP 01/2018-19 dated 12/04/2018

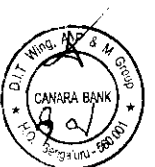
Notes

1. These details should be on the letter head of Bidder and each & every page should be signed by an Authorised 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 & Software Items

[Amount in Rs.]

Sl. No.	Item Details	Cost Price				AMC/ATS (as per Table D)*				Quantity	Total Cost with 3 Years Warranty and 2 Years AMC/ATS (Incl. of tax)	
		Unit Price with 3 years Comprehensive onsite warranty and support (Excl. of Tax) for Hardware & Software	Tax for Column A		Unit Price with 3 years Comprehensive onsite warranty and support (Incl. of Tax) for Hardware & Software	2 years AMC/ ATS charges per unit after warranty period (Excl. of Tax)	Tax for Column E		Total AMC/ ATS per unit for 2 years (incl. of tax)			Unit Cost with 3 Years Warranty and 2 Years AMC/ATS (incl. of tax)
		A	B % of tax	C= Tax Amt	D= A+C	F	F% of Tax	G= Tax Amt	H=E+ G	I=D+H	J	K= (IxJ)
1.	Server and Other Items as per Annexure-10-A(1)										4	
2.	Server and Other Items as per Annexure-10-A(2)										4	
3.	Server and Other Items as per Annexure-10(B)										1	
4.	Server and Other Items as per Annexure-10-C(1)										2	
5.	Server and Other Items as per Annexure-10-C(2)										2	
6.	Server and Other Items as per Annexure-10-D(1)										2	
7.	Server and Other Items as per Annexure-10-D(2)										2	
8.	Server and Other Items as per Annexure-10-E										6	
9.	Server and Other Items as per Annexure-10-F(1)										6	
10.	Server and Other Items as per										4	



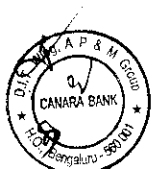
11.	Annexure-10-F(2) Server and Other Items as per Annexure-10-F(3)												2
12.	Server and Other Items as per Annexure-10-G(1)												8
13.	Server and Other Items as per Annexure-10-G(2)												4
14.	Server and Other Items as per Annexure-10-G(3)												2
15.	Server and Other Items as per Annexure-10-G(4)												1
16.	Server and Other Items as per Annexure-10-H(1)												4
17.	Server and Other Items as per Annexure-10-H(2)												4
18.	Server and Other Items as per Annexure-10-I(1)												4
19.	Server and Other Items as per Annexure-10-I(2)												4
20.	Standard 42U Racks as per Annexure-10 (J)						****	****	****	****			6
21.	Total cost (total of column k of rows 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19 and 20)												

*Year wise breakup of AMC charges should be furnished in Table-D.

Table -B
Price details of Operating Systems Software

[Amount in Rs.]

Sl. No.	Item Details	Cost Price				ATS/Subscription Charges ** (as per Table E)				Total Cost per unit with 5 Year ATS (Incl. of tax)	Qty	Total Cost (Incl. of tax)
		Unit Price with First 3 years ATS (Excl. of Tax)	Tax for Column A		Unit Price Incl. of tax	2 years ATS/Subscription charges per item (Excl. of Tax)	Tax for Column E		2 years ATS/Subscription charges per item (Incl. of Taxes)			
			B % of tax	C Tax Amt.			D=A+C	F-% of Tax				
A	B	C	D=A+C	E	F-% of Tax	G-Tax Amt	H=E+G	I =D+H	J	K=(IxJ)		
1.	Windows Server 2016 Standard OS down gradable to 2012 as per Annexure-10-K(1)				****	****	****	****			28	



2.	Windows Server 2016 Standard OS down gradable to 2012 as per Annexure-10-K(2)					****	****	****	****		6	
3.	RHEL 7.0 Enterprise Server Operating Systems as per Annexure-10-K(3)										13	
4.	RHEL 7.2 Enterprise Server Operating Systems as per Annexure-10-K(4)										7	
5.	Total cost (Total of Column k of rows 1, 2, 3 and 4)											

**Year wise breakup of AMC charges should be furnished in Table-E.

Table-C
Total Cost of Ownership for 5 Years

[Amount in Indian Rupees]

Sl. No.	Details	Total Cost of Ownership [inclusive of tax]
A	Total Cost of Hardware & Software Items as per Table-A [Column K]	
B	Total Cost for Operating Systems Software as per Table-B [Column K]	
C	Total Cost of Ownership [Sum of A and B]	

Table -D
Post Warranty AMC Calculation Table for Unit Quantity for Table-A

[Amount in Indian Rupees]

Sl. No.	Description	Post Warranty AMC Charges year wise***					Total AMC for 2 Years (Incl. of Tax) f=c+e
		4 th Year AMC Charge (Excl. of tax) a	5 th Year AMC Charge (Excl. of tax) b	Total AMC for 2 Years (Excl. of Tax) c=a+b	Tax % d	Tax in Amt. e	
1.	Server and Other Items as per Annexure-10-A(1)						
2.	Server and Other Items as per Annexure-10-A(2)						
3.	Server and Other Items as per Annexure-10(B)						
4.	Server and Other Items as per Annexure-10-C(1)						
5.	Server and Other Items as per Annexure-10-C(2)						
6.	Server and Other Items as per Annexure-10-D(1)						
7.	Server and Other Items as per Annexure-10-D(2)						
8.	Server and Other Items as per Annexure-10-E						
9.	Server and Other Items as per Annexure-10-F(1)						
10.	Server and Other Items as per Annexure-10-F(2)						



11.	Server and Other Items as per Annexure-10-F(3)						
12.	Server and Other Items as per Annexure-10-G(1)						
13.	Server and Other Items as per Annexure-10-G(2)						
14.	Server and Other Items as per Annexure-10-G(3)						
15.	Server and Other Items as per Annexure-10-G(4)						
16.	Server and Other Items as per Annexure-10-H(1)						
17.	Server and Other Items as per Annexure-10-H(2)						
18.	Server and Other Items as per Annexure-10-I(1)						
19.	Server and Other Items as per Annexure-10-I(2)						

***The Charges mentioned in column 'c' of Table-D should tally with the charges mentioned under Column 'E' of Table-A. The Charges mentioned in column 'f' of Table-D should tally with the charges mentioned under Column 'H' of Table-A.

Table-E
Calculation Table for Post Warranty ATS / Subscription Charges for Software Items for Table-B
[Amount in Rs.]

Sl. No.	Description	Post Warranty ATS Charges year wise****					
		4 th Year	5 th Year	Total ATS/ Subscription for 2 Years (Excl. of Tax)	Tax %	Tax in Amt.	Total ATS/ Subscription for 2 Years (Incl. of Tax)
		ATS/ Subscription Charge (Excl. of tax)	ATS/ Subscription Charge (Excl. of tax)				
a	b	c=a+b	d	e	f=c+e		
1.	RHEL 7.0 Enterprise Server Operating Systems as per Annexure-10-K(3)						
2.	RHEL 7.2 Enterprise Server Operating Systems as per Annexure-10-K(4)						

**** The Charges mentioned in column 'c' of Table-E should tally with the charges mentioned under Column 'E' of Table-B. The Charges mentioned in column 'f' of Table-E should tally with the charges mentioned under Column 'H' of Table-B.

Undertaking

- i. Bill of material is submitted on the letter head and is signed by an Authorised Signatory with Name and Seal of the Company.
- ii. We confirm that we have gone through RFP clauses, subsequent amendments and replies to pre-bid queries (if any) and abide by the same.
- iii. 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.
- iv. 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.
- v. We are agreeable to the payment schedule as per "Payment Terms" of the RFP.

Date

Signature with seal
Name :
Designation :

