



UCO BANK

Department of Information Technology

**Request for Proposal (RFP) for Supply, Installation and Maintenance of Hardware,  
Operating Systems and Database Licenses for various Projects/Applications**

**RFP Ref No.: UCO/DIT/3076/2021-22 Date: 30.10.2021**

**Amendments, Addendums and Corrigendum's**

**Part-I**

**3. Eligibility Criteria**

Clause No	Existing Clause	Modified Clause
5	<p>The bidder should have 3 years' experience of supply, installation, commission and maintenance of at least 30 Rack mounted servers, 1 SAN Storage &amp; 1 SAN Switch in any BFSI/ Government Organization/PSU.</p> <p>Copy of purchase order/s and reference letters/ Certificates clearly mentioning that the bidder has supplied, installed, commissioned and maintained at least, 10 Rack mounted servers and SAN Storage and from when they are being maintained by the bidder. The enclosed Purchase Orders &amp; Reference letters/ Certificates to be enclosed should bear following details of the signatory:</p> <ol style="list-style-type: none"><li>1.Signature &amp; Seal</li><li>2.Name &amp; Designation</li><li>3.Date of issuance</li></ol>	<p>The bidder should have 3 years' experience of supply, installation, commissioning and maintenance of at least 30 Rack mounted servers, 1 SAN Storage &amp; 1 SAN Switch in any BFSI/ Government Organization/PSU <b>during the last 5 financial years.</b></p> <p><b>Copy of purchase order/s (POs) and reference letters/ Certificates clearly mentioning that the bidder has supplied, installed, commissioned and maintained at least 30 Rack mounted servers, 1 SAN Storage &amp; 1 SAN Switch and from when they are being maintained (multiple POs/references can be submitted).</b></p> <p>The enclosed Purchase Orders &amp; Reference letters/ Certificates should bear following details of the signatory:</p> <ol style="list-style-type: none"><li>1.Signature &amp; Seal</li><li>2.Name &amp; Designation</li><li>3.Date of issuance</li></ol>

## ANNEXURE – E

### Minimum Technical Specification for Rack Server-Type-V

Sl. No	Item	Existing Specification	Revised Specification
4	CPU	Minimum Intel Xeon gold 32 Core CPU @ Minimum 32.3 GHz clock speed or higher	Minimum Intel Xeon gold 32 Core CPU @ Minimum <b>2.3 GHz</b> clock speed or higher

## Annexure-K

### Minimum technical requirement for SAN (Storage Area Network)

Sl. No	Existing Specification	Revised Specification
37	Minimum of 8 x 16-Gbit ports per trunk, Minimum 16 ports scalable up to 24 ports. Each port should be 16 Gbps with auto sensing support for 8 Gbps. must have in-built diagnostics, power on self-test, command level diagnostics, online and offline diagnostics capabilities, support online- firmware upgrades, <b>must have redundant Control Units</b> , Power supply, Fan Assembly and all the components shall be Hot Swappable, etc.	Minimum of 8 x 16-Gbit ports per trunk, Minimum 16 ports scalable up to 24 ports. Each port should be 16 Gbps with auto sensing support for 8 Gbps. must have in-built diagnostics, power on self-test, command level diagnostics, online and offline diagnostics capabilities, support online- firmware upgrades, Power supply, Fan Assembly and all the components shall be Hot Swappable, etc.

## Part – IV Scope of Work

### Revised requirements

#### I. Hardware:

Sl. No.	Hardware/Software/ Licenses	Kolkata		Bangalore	
		No. of. Server	Specification	No. of. Server	Specification
1	Type-I Server	4	Annexure-A	4	Annexure-A
2	Type-II Server	5	Annexure-B	1	Annexure-B
3	TYPE-III Server	1	Annexure-C	1	Annexure-C
4	TYPE-IV Server	2	Annexure-D	1	Annexure-D
5	TYPE-V Server	2	Annexure-E	1	Annexure-E
6	TYPE-VI Server	1	Annexure-F	0	Annexure-F
7	TYPE-VII Server	3	Annexure-G	0	Annexure-G
8	TYPE-VIII Server	2	Annexure-H	1	Annexure-H
9	TYPE-IX Server	1	Annexure-I	1	Annexure-I
10	TYPE-X Server	3	Annexure-IA	1	Annexure-IA
11	42U Server Rack	2	Annexure-J	1	Annexure-J
12	16 KVM Monitor	2	NA	1	NA
13	Storage Space to accommodate additional requirement.	20 TB (Usable Space)- Annexure-K		25 TB (Usable Space)- Annexure-K	
14	<b>FC Switch 24 Port with necessary cables and accessories</b>	2		2	

**\* Quantity mentioned is indicative only and actual requirement may vary as per actual requirement.**

#### II. Software Licenses:

SOFTWARE REQUIREMENTS**				
Sl. No	OS Specification	Server Type	No of Servers	No of Licenses (to be mentioned by the bidder)
1	Windows Server 2019 Standard Edition down gradable to Windows Server 2012	Type-I to Type-X except Type-VII	32	
2	Windows Server 2019 Data Center Edition down gradable to Windows Server 2012	Type-VII	3	
3	MS SQL Server 2012 Standard edition	Type-V	3	

4	MS SQL Server 2016 Enterprise edition	Type-I	2	
5	MS SQL Server 2016 Standard edition	Type-VIII	3	
6	MS SQL Server 2017 Enterprise edition	Type-III	2	

**\*\* Quantity mentioned is indicative only and actual requirement may vary as per Licensing policy/Actual requirement of the Bank at the time of deployment.**

**[ Note: The SQL server should be downgradable in desired DB (database) version. The license requirement is based on core of server. The type & numbers of servers for which DB license are required is mentioned in commercial BOM. Based on that bidder need to quantify the license quantity.]**



**Technical Bill of Material**

Proposed Hardware / Software shall be delivered at Bank's Centers as mentioned in Purchase Order.

<b>HARDWARE REQUIREMENTS</b>				
<b>Sl. No</b>	<b>Line Item</b>	<b>Make/Model (to be mentioned by the bidder)</b>	<b>Description (to be mentioned by the bidder)</b>	<b>Total Quantity</b>
1	Type-I Server			8
2	Type-II Server			6
3	TYPE-III Server			2
4	TYPE-IV Server			3
5	TYPE-V Server			3
6	TYPE-VI Server			1
7	TYPE-VII Server			3
8	TYPE-VIII Server			3
9	TYPE-IX Server			2
10	Type-X Server			4
11	42U Server Rack			3
12	16 KVM Monitor			3
13	SAN Storage-1 ( 20 TB)			1
14	SAN Storage-2 ( 25 TB)			1
15	<b>FC Switch 24 Port with necessary cables and accessories</b>			4

<b>SOFTWARE REQUIREMENTS**</b>				
<b>Sl. No</b>	<b>OS Specification</b>	<b>Server Type</b>	<b>No of Servers</b>	<b>No of Licenses (to be mentioned by the bidder)</b>
1	Windows Server 2019 Standard Edition down gradable to Windows Server 2012	Type-I to Type-X except Type-VII	32	
2	Windows Server 2019 Data Center Edition down gradable to Windows Server 2012	Type-VII	3	
3	MS SQL Server 2012 Standard edition	Type-V	3	
4	MS SQL Server 2016 Enterprise edition	Type-I	2	
5	MS SQL Server 2016 Standard edition	Type-VIII	3	
6	MS SQL Server 2017 Enterprise edition	Type-III	2	

**\*The quantity mentioned above is only indicative and may change at the time of issuance of Purchase Order to the L-1 bidder.**

**Minimum Technical Specification for Rack Server Type-I**

Sl. No.	Item	Specification for Servers-Type-I	Offered Specification	Complied (Y)
1	Make	Bidder to specify		
2	Model	Bidder to specify		
3	Form Factor	Maximum 4U Rack form factor with sliding rails to fit into industry standard 19" Server Rack		
4	CPU	Minimum Single <b>Intel Xeon gold 8 Core</b> CPU @ Minimum 3.6 GHz clock speed or higher		
5	Chipset	Latest Intel chipset supporting above processor		
6	Motherboard	OEM make Server class motherboard		
7	Disk Drives	<b>Minimum 4 x 960 GB, SSD Drive</b>		
8	Controller	Integrated RAID Controller with support for RAID 1		
9	Raid	<b>Raid 1,1+0,0,5,6</b>		
10	Cache	Minimum 24 MB L3 Cache		
11	USB PORT	2 USB 2.0 ports. Keyboard, Mouse shall be supported with the same USB.		
12	Cooling Fans	Redundant hot swap and redundant cooling fans		
13	DVD-ROM	DVD Writer (Internal/External)		
14	RAM	<b>64 GB</b> (1600 MHz or Higher ) DDR4 Should be upgradable upto 256 GB		
15	Bus Slots	Minimum of 2 PCI expansions/Mezzanine 09 Bus Slots expansions. Bus slots should support for Dual/Quad Gigabit, Dual 10Gbps for increased bandwidth and additional network port requirements.		
16	Diagnostics	Pre Failure Notification for all active and important components like processors, Memory, Hard drives, etc. and automatic calls logging.		
17	Security	Power-on password, administrator password.		
18	OS Support	Windows Server 2019 (Standard Edition) 64 bit down gradable to or windows server 2012, RHEL 7.3 or higher.		
19	EXPANSION SLOTS	Minimum 2 nos of PCI express slots, out of which one ports to be kept free and 2 for HBA cards.		
20	Systems Management and Diagnostics	Standard management features by Server OEM only. Vendor should provide unified management suite that can monitor and manage all the servers deployed by vendor at delivery site using a single console. The server should come with systems management software to provide update		

		management, configuration management, patch management and virtualization management.		
21	Certification and industry standards compliant	1. Certified for Microsoft Windows		
		2. The offered server model should certified for at-least two of the following three certificates (UL, FCC, ROHS)		
22	POWER SUPPLY	Redundant Power Supply with necessary power cables/cords		
23	Delivery	All the necessary tools & tackles licenses, cables / connectors for Ethernet / Fiber / USB / Power etc. required for making the system operational shall be provided by the bidder.		
24	Warranty	3 year onsite warranty with 2 Years AMC with 99.98% uptime calculated on quarterly basis. Offered server should carry direct warranty from OEM (24 x 7 call logging with 6 hours call to resolution cycle) and the same should be substantiated by necessary supporting document.		
25	Industrial Standard Compliance	ACPI 2.0 Compliant, PCI 2.0 or higher Compliant, WOL Support, MS Logo Certification, USB 2.0 Support.		
26	Network Port	Servers should have minimum 2 nos. of 1 GBPS (RJ45) copper network port		
27		Minimum 2 nos., of 10 GBPS Fiber network port. Server should be populated with 10G Fiber module from day one		
26	HBA's <b>minimum</b> 2x16 Gbps Fiber dual port HBA card (Multipathing and load sharing)			

**\* Any line item given above, if not complied, will entail rejection of the bid.**

**Minimum Technical Specification for Rack Server-Type-II**

Sl. No.	Item	Specification for Servers-Type-II	Offered Specification	Complied (Y)
1	Make	Bidder to specify		
2	Model	Bidder to specify		
3	Form Factor	Maximum 4U Rack form factor with sliding rails to fit into industry standard 19" Server Rack		
4	CPU	Minimum Single <b>Intel Xeon gold 8 Core</b> CPU @ Minimum 3.6 GHz clock speed or higher		
5	Chipset	Latest Intel chipset supporting above processor		
6	Motherboard	OEM make Server class motherboard		
7	Disk Drives	<b>Minimum 4 x 960 GB, SSD Drive</b>		
8	Controller	Integrated RAID Controller with support for RAID 1		
9	Raid	Raid 1, 0, 1+0, 5,6		
10	Cache	Minimum 24 MB L3 Cache		
11	USB PORT	2 USB 2.0 ports. Keyboard, Mouse shall be supported with the same USB.		
12	Cooling Fans	Redundant hot swap and redundant cooling fans		
13	DVD-ROM	<b>DVD Writer (Internal/External)</b>		
14	RAM	Minimum <b>128 GB</b> (1600 MHz or Higher ) DDR4 Should be upgradable upto 512GB		
15	Bus Slots	Minimum of 2 PCI expansions/ Mezzanine 09 Bus Slots expansions.		
		Bus slots should support for Dual/Quad Gigabit, Dual 10Gbps for increased bandwidth and additional network port requirements.		
16	Diagnostics	Pre Failure Notification for all active and important components like processors, Memory, Hard drives, etc. and automatic calls logging.		
17	Security	Power-on password, administrator password.		
18	OS Support	Windows Server 2019 (Standard Edition) 64 bit down gradable to or windows server 2012, RHEL 7.3 or higher.		
19	EXPANSION SLOTS	Minimum 2 no.s of PCI express slots, out of which one ports to be kept free and 2 for HBA cards.		
20	Systems Management	Standard management features by Server OEM only. Vendor should provide unified management suite that		



	and Diagnostics	can monitor and manage all the servers deployed by vendor at delivery site using a single console. The server should come with systems management software to provide update management, configuration management, patch management and virtualization management.		
21	Certification and industry standards compliant	1. Certified for Microsoft Windows		
		2. The offered server model should certified for at-least two of the following three certificates (UL, FCC, ROHS)		
22	POWER SUPPLY	Redundant Power Supply with necessary power cables/cords		
23	Delivery	All the necessary tools & tackles licenses, cables / connectors for Ethernet / Fiber / USB / Power etc. required for making the system operational shall be provided by the bidder.		
24	Warranty	3 year onsite warranty with 2 Years AMC with 99.98% uptime calculated on quarterly basis. Offered server should carry direct warranty from OEM (24 x 7 call logging with 6 hours call to resolution cycle) and the same should be substantiated by necessary supporting document.		
25	Industrial Standard Compliance	ACPI 2.0 Compliant, PCI 2.0 or higher Compliant, WOL Support, MS Logo Certification, USB 2.0 Support.		
26	Network Port	Servers should have minimum 2 nos. of 1 GBPS (RJ45) copper network port		
27		Minimum 2 nos., of 10 GBPS Fiber network port. Server should be populated with 10G Fiber module from day one		
28	HBA's	<b>minimum</b> 2x16 Gbps Fiber HBA card (Multipathing and load sharing)		

\* Any line item given above, if not complied, will entail rejection of the bid.

**Minimum Technical Specification for Rack Server-Type-III**

Sl. No	Item	Specification for Servers-Type-III	Offered Specification	Complied (Y)
1	Make	Bidder to specify		
2	Model	Bidder to specify		
3	Form Factor	Maximum 4U Rack form factor with sliding rails to fit into industry standard 19" Server Rack		
4	CPU	Minimum <b>Intel Xeon gold/ AMD EPYC 32 Core</b> CPU @ 2.3 GHz clock speed or higher		
5	Chipset	Latest Intel/ AMD chipset supporting above processor		
6	Motherboard	OEM make Server class motherboard		
7	Disk Drives	<b>Minimum 4 x 960 GB, SSD Drive</b>		
8	Controller	Integrated RAID Controller		
9	Raid	<b>Raid 1, 0, 1+0, 5,6</b>		
10	Cache	Minimum 24 MB L3 Cache or higher		
11	USB PORT	2 USB 2.0 ports. Keyboard, Mouse shall be supported with the same USB.		
12	Cooling Fans	Redundant hot swap and redundant cooling fans		
13	DVD-ROM	<b>DVD Writer (Internal/External)</b>		
14	RAM	Minimum <b>512 GB</b> (1600 MHz or Higher ) DDR4 Should be upgradable up to 512GB		
15	Bus Slots	Minimum of 2 PCI expansions/ Mezzanine 09 Bus Slots expansions. Bus slots should support for Dual/Quad Gigabit, Dual 10Gbps for increased bandwidth and additional network port requirements.		
16	Diagnostics	Pre Failure Notification for all active and important components like processors, Memory, Hard drives, etc. and automatic calls logging.		
17	Security	Power-on password, administrator password.		
18	OS Support	Windows Server 2019 (Standard Edition) 64 bit down gradable to or windows server 2012, RHEL 7.3 or higher.		
19	EXPANSION SLOTS	Minimum 2 nos of PCI express slots, out of which one ports to be kept free and 1 for HBA cards.		
20	Systems Management and Diagnostics	Standard management features by Server OEM only. Vendor should provide unified management suite that can monitor and manage all the servers deployed by vendor at delivery site using a single console. The server should come with systems management software to provide update		

		management, configuration management, patch management and virtualization management.		
21	Certification and industry standards compliant	1. Certified for Microsoft Windows		
		2. The offered server model should certified for at-least two of the following three certificates (UL, FCC, ROHS)		
22	POWER SUPPLY	Redundant Power Supply with necessary power cables/cords		
23	Delivery	All the necessary tools & tackles licenses, cables / connectors for Ethernet / Fiber / USB / Power etc. required for making the system operational shall be provided by the bidder.		
24	Warranty	3 year onsite warranty with 2 Years AMC with 99.98% uptime calculated on quarterly basis. Offered server should carry direct warranty from OEM (24 x 7 call logging with 6 hours call to resolution cycle) and the same should be substantiated by necessary supporting document.		
25	Industrial Standard Compliance	ACPI 2.0 Compliant, PCI 2.0 or higher Compliant, WOL Support, MS Logo Certification, USB 2.0 Support.		
26	Network Port	Servers should have minimum 2 nos. of 1 GBPS (RJ45) copper network port		
27		Minimum 2 nos., of 10 GBPS Fiber network port. Server should be populated with 10G Fiber module from day one		
28	HBA's <b>minimum</b>	2x16 Gbps Fiber HBA card (Multipathing and load sharing)		

\* Any line item given above, if not complied, will entail rejection of the bid.

**Minimum Technical Specification for Rack Server-Type-IV**

Sl. No	Item	Specification for Servers-Type-IV	Offered Specification	Complied (Y)
1	Make	Bidder to specify		
2	Model	Bidder to specify		
3	Form Factor	Maximum 4U Rack form factor with sliding rails to fit into industry standard 19" Server Rack		
4	CPU	Minimum <b>Intel Xeon gold 16 Core</b> CPU @ Minimum 3.1 GHz clock speed or higher		
5	Chipset	Latest Intel chipset supporting above processor		
6	Motherboard	OEM make Server class motherboard		
7	Disk Drives	<b>Minimum 4 x 960 GB, SSD Drive</b>		
8	Controller	Integrated RAID Controller		
9	Raid	<b>Raid 1, 0, 1+0, 5,6</b>		
10	Cache	Minimum 24 MB L3 Cache or higher		
11	USB PORT	2 USB 2.0 ports. Keyboard, Mouse shall be supported with the same USB.		
12	Cooling Fans	Redundant hot swap and redundant cooling fans		
13	DVD-ROM	<b>DVD Writer (Internal/External)</b>		
14	RAM	Minimum <b>64 GB</b> (1600 MHz or Higher ) DDR4 Should be upgradable up to 512GB		
15	Bus Slots	Minimum of 2 PCI expansions/ Mezzanine 09 Bus Slots expansions.		
		Bus slots should support for Dual/Quad Gigabit, Dual 10Gbps for increased bandwidth and additional network port requirements.		
16	Diagnostics	Pre Failure Notification for all active and important components like processors, Memory, Hard drives, etc. and automatic calls logging.		
17	Security	Power-on password, administrator password.		
18	OS Support	Windows Server 2019 (Standard Edition) 64 bit down gradable to or windows server 2012, RHEL 7.3 or higher.		
19	EXPANSION SLOTS	Minimum 2 nos of PCI express slots, out of which one ports to be kept free and 1 for HBA cards.		
20	Systems Management and Diagnostics	Standard management features by Server OEM only. Vendor should provide unified management suite that can monitor and manage all the servers deployed by vendor at delivery site using a single console. The server should come with systems management software to provide update		

		management, configuration management, patch management and virtualization management.		
21	Certification and industry standards compliant	1. Certified for Microsoft Windows		
		2. The offered server model should certified for at-least two of the following three certificates (UL, FCC, ROHS)		
22	POWER SUPPLY	Redundant Power Supply with necessary power cables/cords		
23	Delivery	All the necessary tools & tackles licenses, cables / connectors for Ethernet / Fiber / USB / Power etc. required for making the system operational shall be provided by the bidder.		
24	Warranty	3 year onsite warranty with 2 Years AMC with 99.98% uptime calculated on quarterly basis. Offered server should carry direct warranty from OEM (24 x 7 call logging with 6 hours call to resolution cycle) and the same should be substantiated by necessary supporting document.		
25	Industrial Standard Compliance	ACPI 2.0 Compliant, PCI 2.0 or higher Compliant, WOL Support, MS Logo Certification, USB 2.0 Support.		
26	Network Port	Servers should have minimum 2 nos. of 1 GBPS (RJ45) copper network port		
27		Minimum 2 nos., of 10 GBPS Fiber network port. Server should be populated with 10G Fiber module from day one		
28	HBA's <b>minimum</b>	2x16 Gbps Fiber HBA card (Multipathing and load sharing)		

\* Any line item given above, if not complied, will entail rejection of the bid.

## Minimum Technical Specification for Rack Server-Type-V

Sl. No	Item	Specification for Servers-Type-V	Offered Specification	Complied (Y)
1	Make	Bidder to specify		
2	Model	Bidder to specify		
3	Form Factor	Maximum 4U Rack form factor with sliding rails to fit into industry standard 19" Server Rack		
4	CPU	Minimum <b>Intel Xeon gold 32 Core</b> CPU @ Minimum <b>2.3 GHz</b> clock speed or higher		
5	Chipset	Latest Intel chipset supporting above processor		
6	Motherboard	OEM make Server class motherboard		
7	Disk Drives	<b>Minimum 4 x 960 GB, SSD Drive</b>		
8	Controller	Integrated RAID Controller		
9	Raid	<b>Raid 1, 0, 1+0, 5,6</b>		
10	Cache	Minimum 24 MB L3 Cache or higher		
11	USB PORT	2 USB 2.0 ports. Keyboard, Mouse shall be supported with the same USB.		
12	Cooling Fans	Redundant hot swap and redundant cooling fans		
13	DVD-ROM	<b>DVD Writer (Internal/External)</b>		
14	RAM	Minimum <b>128 GB</b> (1600 MHz or Higher ) DDR4 Should be upgradable up to 512GB		
15	Bus Slots	Minimum of 2 PCI expansions/ Mezzanine 09 Bus Slots expansions.		
		Bus slots should support for Dual/Quad Gigabit, Dual 10Gbps for increased bandwidth and additional network port requirements.		
16	Diagnostics	Pre Failure Notification for all active and important components like processors, Memory, Hard drives, etc. and automatic calls logging.		
17	Security	Power-on password, administrator password.		
18	OS Support	Windows Server 2019 (Standard Edition) 64 bit down gradable to or windows server 2012, RHEL 7.3 or higher.		
19	EXPANSION SLOTS	Minimum 2 nos of PCI express slots, out of which one ports to be kept free and 1 for HBA cards.		
20	Systems Management and Diagnostics	Standard management features by Server OEM only. Vendor should provide unified management suite that can monitor and manage all the servers deployed by vendor at delivery site using a single console. The server should come with systems management software to provide update		

		management, configuration management, patch management and virtualization management.		
21	Certification and industry standards compliant	1. Certified for Microsoft Windows		
		2. The offered server model should certified for at-least two of the following three certificates (UL, FCC, ROHS)		
22	POWER SUPPLY	Redundant Power Supply with necessary power cables/cords		
23	Delivery	All the necessary tools & tackles licenses, cables / connectors for Ethernet / Fiber / USB / Power etc. required for making the system operational shall be provided by the bidder.		
24	Warranty	3 year onsite warranty with 2 Years AMC with 99.98% uptime calculated on quarterly basis. Offered server should carry direct warranty from OEM (24 x 7 call logging with 6 hours call to resolution cycle) and the same should be substantiated by necessary supporting document.		
25	Industrial Standard Compliance	ACPI 2.0 Compliant, PCI 2.0 or higher Compliant, WOL Support, MS Logo Certification, USB 2.0 Support.		
26	Network Port	Servers should have minimum 2 nos. of 1 GBPS (RJ45) copper network port		
27		Minimum 2 nos., of 10 GBPS Fiber network port. Server should be populated with 10G Fiber module from day one		
28	HBA's <b>minimum</b>	2x16 Gbps Fiber HBA card (Multipathing and load sharing)		

**\* Any line item given above, if not complied, will entail rejection of the bid.**

## Minimum Technical Specification for Rack Server-Type-VI

Sl. No	Item	Specification for Servers-Type-VI	Offered Specification	Complied (Y)
1	Make	Bidder to specify		
2	Model	Bidder to specify		
3	Form Factor	Maximum 4U Rack form factor with sliding rails to fit into industry standard 19" Server Rack		
4	CPU	Minimum <b>Intel Xeon gold 16 Core</b> CPU @ 3.1 GHz clock speed or higher		
5	Chipset	Latest Intel chipset supporting above processor		
6	Motherboard	OEM make Server class motherboard		
7	Disk Drives	<b>Minimum 4 x 960 GB, SSD Drive</b>		
8	Controller	Integrated RAID Controller		
9	Raid	<b>Raid 1, 0, 1+0, 5,6</b>		
10	Cache	Minimum 24 MB L3 Cache or higher		
11	USB PORT	2 USB 2.0 ports. Keyboard, Mouse shall be supported with the same USB.		
12	Cooling Fans	Redundant hot swap and redundant cooling fans		
13	DVD-ROM	<b>DVD Writer (Internal/External)</b>		
14	RAM	Minimum <b>256 GB</b> (1600 MHz or Higher ) DDR4 Should be upgradable up to 512GB		
15	Bus Slots	Minimum of 2 PCI expansions/ Mezzanine 09 Bus Slots expansions.		
		Bus slots should support for Dual/Quad Gigabit, Dual 10Gbps for increased bandwidth and additional network port requirements.		
16	Diagnostics	Pre Failure Notification for all active and important components like processors, Memory, Hard drives, etc. and automatic calls logging.		
17	Security	Power-on password, administrator password.		
18	OS Support	Windows Server 2019 (Standard Edition) 64 bit down gradable to or windows server 2012, RHEL 7.3 or higher.		
19	EXPANSION SLOTS	Minimum 2 nos of PCI express slots, out of which one ports to be kept free and 1 for HBA cards.		
20	Systems Management and Diagnostics	Standard management features by Server OEM only. Vendor should provide unified management suite that can monitor and manage all the servers deployed by vendor at delivery site using a single console. The server should come with systems		



		management software to provide update management, configuration management, patch management and virtualization management.		
21	Certification and industry standards compliant	1. Certified for Microsoft Windows		
		2. The offered server model should certified for at-least two of the following three certificates (UL, FCC, ROHS)		
22	POWER SUPPLY	Redundant Power Supply with necessary power cables/cords		
23	Delivery	All the necessary tools & tackles licenses, cables / connectors for Ethernet / Fiber / USB / Power etc. required for making the system operational shall be provided by the bidder.		
24	Warranty	3 year onsite warranty with 2 Years AMC with 99.98% uptime calculated on quarterly basis. Offered server should carry direct warranty from OEM (24 x 7 call logging with 6 hours call to resolution cycle) and the same should be substantiated by necessary supporting document.		
25	Industrial Standard Compliance	ACPI 2.0 Compliant, PCI 2.0 or higher Compliant, WOL Support, MS Logo Certification, USB 2.0 Support.		
26	Network Port	Servers should have minimum 2 nos. of 1 GBPS (RJ45) copper network port		
27		Minimum 2 nos., of 10 GBPS Fiber network port. Server should be populated with 10G Fiber module from day one		
28	HBA's <b>minimum</b>	2x16 Gbps Fiber HBA card (Multipathing and load sharing)		

\* Any line item given above, if not complied, will entail rejection of the bid.

## Minimum Technical Specification for Rack Server-Type-VII

Sl. No	Item	Specification for Servers-Type-VII	Offered Specification	Complied (Y)
1	Make	Bidder to specify		
2	Model	Bidder to specify		
3	Form Factor	Maximum 4U Rack form factor with sliding rails to fit into industry standard 19" Server Rack		
4	CPU	Minimum <b>Intel Xeon gold 32 Core</b> CPU @ Minimum 2.3 GHz clock speed or higher		
5	Chipset	Latest Intel chipset supporting above processor		
6	Motherboard	OEM make Server class motherboard		
7	Disk Drives	<b>Minimum 4 x 960 GB, SSD Drive</b>		
8	Controller	Integrated RAID Controller		
9	Raid	<b>Raid 1, 0, 1+0, 5,6</b>		
10	Cache	Minimum 24 MB L3 Cache or higher		
11	USB PORT	2 USB 2.0 ports. Keyboard, Mouse shall be supported with the same USB.		
12	Cooling Fans	Redundant hot swap and redundant cooling fans		
13	DVD-ROM	<b>DVD Writer (Internal/External)</b>		
14	RAM	Minimum <b>256 GB</b> (1600 MHz or Higher ) DDR4 Should be upgradable up to 512GB		
15	Bus Slots	Minimum of 2 PCI expansions/ Mezzanine 09 Bus Slots expansions.		
		Bus slots should support for Dual/Quad Gigabit, Dual 10Gbps for increased bandwidth and additional network port requirements.		
16	Diagnostics	Pre Failure Notification for all active and important components like processors, Memory, Hard drives, etc. and automatic calls logging.		
17	Security	Power-on password, administrator password.		
18	OS Support	Windows Server 2019 (Standard Edition) 64 bit down gradable to or windows server 2012, RHEL 7.3 or higher.		
19	EXPANSION SLOTS	Minimum 2 nos of PCI express slots, out of which one ports to be kept free and 1 for HBA cards.		
20	Systems Management and Diagnostics	Standard management features by Server OEM only. Vendor should provide unified management suite that can monitor and manage all the servers deployed by vendor at delivery site using a single console. The server should come with systems management software to provide update		

		management, configuration management, patch management and virtualization management.		
21	Certification and industry standards compliant	1. Certified for Microsoft Windows		
		2. The offered server model should certified for at-least two of the following three certificates (UL, FCC, ROHS)		
22	POWER SUPPLY	Redundant Power Supply with necessary power cables/cords		
23	Delivery	All the necessary tools & tackles licenses, cables / connectors for Ethernet / Fiber / USB / Power etc. required for making the system operational shall be provided by the bidder.		
24	Warranty	3 year onsite warranty with 2 Years AMC with 99.98% uptime calculated on quarterly basis. Offered server should carry direct warranty from OEM (24 x 7 call logging with 6 hours call to resolution cycle) and the same should be substantiated by necessary supporting document.		
25	Industrial Standard Compliance	ACPI 2.0 Compliant, PCI 2.0 or higher Compliant, WOL Support, MS Logo Certification, USB 2.0 Support.		
26	Network Port	Servers should have minimum 2 nos. of 1 GBPS (RJ45) copper network port		
27		Minimum 2 nos., of 10 GBPS Fiber network port. Server should be populated with 10G Fiber module from day one		
28	HBA's <b>minimum</b>	2x16 Gbps Fiber HBA card (Multipathing and load sharing)		

\* Any line item given above, if not complied, will entail rejection of the bid.

**Minimum Technical Specification for Rack Server-Type-VIII**

Sl. No	Item	Specification for Servers-Type-VIII	Offered Specification	Complied (Y)
1	Make	Bidder to specify		
2	Model	Bidder to specify		
3	Form Factor	Maximum 4U Rack form factor with sliding rails to fit into industry standard 19" Server Rack		
4	CPU	Minimum <b>Intel Xeon gold 16 Core</b> CPU @ Minimum 3.1 GHz clock speed or higher		
5	Chipset	Latest Intel chipset supporting above processor		
6	Motherboard	OEM make Server class motherboard		
7	Disk Drives	<b>Minimum 4 x 960 GB, SSD Drive</b>		
8	Controller	Integrated RAID Controller		
9	Raid	<b>Raid 1, 0, 1+0, 5,6</b>		
10	Cache	Minimum 24 MB L3 Cache or higher		
11	USB PORT	2 USB 2.0 ports. Keyboard, Mouse shall be supported with the same USB.		
12	Cooling Fans	Redundant hot swap and redundant cooling fans		
13	DVD-ROM	<b>DVD Writer (Internal/External)</b>		
14	RAM	Minimum <b>128 GB</b> (1600 MHz or Higher ) DDR4 Should be upgradable up to 512GB		
15	Bus Slots	Minimum of 2 PCI expansions/ Mezzanine 09 Bus Slots expansions. Bus slots should support for Dual/Quad Gigabit, Dual 10Gbps for increased bandwidth and additional network port requirements.		
16	Diagnostics	Pre Failure Notification for all active and important components like processors, Memory, Hard drives, etc. and automatic calls logging.		
17	Security	Power-on password, administrator password.		
18	OS Support	Windows Server 2019 (Standard Edition) 64 bit down gradable to or windows server 2012, RHEL 7.3 or higher.		
19	EXPANSION SLOTS	Minimum 2 nos of PCI express slots, out of which one ports to be kept free and 1 for HBA cards.		
20	Systems Management and Diagnostics	Standard management features by Server OEM only. Vendor should provide unified management suite that can monitor and manage all the servers deployed by vendor at delivery site using a single console. The server should come with systems management software to provide update		

		management, configuration management, patch management and virtualization management.		
21	Certification and industry standards compliant	1. Certified for Microsoft Windows		
		2. The offered server model should certified for at-least two of the following three certificates (UL, FCC, ROHS)		
22	POWER SUPPLY	Redundant Power Supply with necessary power cables/cords		
23	Delivery	All the necessary tools & tackles licenses, cables / connectors for Ethernet / Fiber / USB / Power etc. required for making the system operational shall be provided by the bidder.		
24	Warranty	3 year onsite warranty with 2 Years AMC with 99.98% uptime calculated on quarterly basis. Offered server should carry direct warranty from OEM (24 x 7 call logging with 6 hours call to resolution cycle) and the same should be substantiated by necessary supporting document.		
25	Industrial Standard Compliance	ACPI 2.0 Compliant, PCI 2.0 or higher Compliant, WOL Support, MS Logo Certification, USB 2.0 Support.		
26	Network Port	Servers should have minimum 2 nos. of 1 GBPS (RJ45) copper network port		
27		Minimum 2 nos., of 10 GBPS Fiber network port. Server should be populated with 10G Fiber module from day one		
28	HBA's <b>minimum</b>	2x16 Gbps Fiber HBA card (Multipathing and load sharing)		

**\* Any line item given above, if not complied, will entail rejection of the bid.**

**Minimum Technical Specification for Rack Server-Type-IX**

Sl. No	Item	Specification for Servers-Type-IX	Offered Specification	Complied (Y)
1	Make	Bidder to specify		
2	Model	Bidder to specify		
3	Form Factor	Maximum 4U Rack form factor with sliding rails to fit into industry standard 19" Server Rack		
4	CPU	Minimum <b>Intel Xeon gold / AMD EPYC 16 Core</b> CPU @ 3.1 GHz clock speed or higher		
5	Chipset	Latest Intel/ AMD chipset supporting above processor		
6	Motherboard	OEM make Server class motherboard		
7	Disk Drives	<b>Minimum 4 x 960 GB, SSD Drive</b>		
8	Controller	Integrated RAID Controller		
9	Raid	<b>Raid 1, 0, 1+0, 5,6</b>		
10	Cache	Minimum 24 MB L3 Cache or higher		
11	USB PORT	2 USB 2.0 ports. Keyboard, Mouse shall be supported with the same USB.		
12	Cooling Fans	Redundant hot swap and redundant cooling fans		
13	DVD-ROM	<b>DVD Writer (Internal/External)</b>		
14	RAM	Minimum <b>256 GB</b> (1600 MHz or Higher ) DDR4 Should be upgradable up to 512GB		
15	Bus Slots	Minimum of 2 PCI expansions/ Mezzanine 09 Bus Slots expansions. Bus slots should support for Dual/Quad Gigabit, Dual 10Gbps for increased bandwidth and additional network port requirements.		
16	Diagnostics	Pre Failure Notification for all active and important components like processors, Memory, Hard drives, etc. and automatic calls logging.		
17	Security	Power-on password, administrator password.		
18	OS Support	Windows Server 2019 (Standard Edition) 64 bit down gradable to or windows server 2012, RHEL 7.3 or higher.		
19	EXPANSION SLOTS	Minimum 2 nos of PCI express slots, out of which one ports to be kept free and 1 for HBA cards.		
20	Systems Management and Diagnostics	Standard management features by Server OEM only. Vendor should provide unified management suite that can monitor and manage all the servers deployed by vendor at delivery site using a single		

		console. The server should come with systems management software to provide update management, configuration management, patch management and virtualization management.		
21	Certification and industry standards compliant	1. Certified for Microsoft Windows		
		2. The offered server model should certified for at-least two of the following three certificates (UL, FCC, ROHS)		
22	POWER SUPPLY	Redundant Power Supply with necessary power cables/cords		
23	Delivery	All the necessary tools & tackles licenses, cables / connectors for Ethernet / Fiber / USB / Power etc. required for making the system operational shall be provided by the bidder.		
24	Warranty	3 year onsite warranty with 2 Years AMC with 99.98% uptime calculated on quarterly basis. Offered server should carry direct warranty from OEM (24 x 7 call logging with 6 hours call to resolution cycle) and the same should be substantiated by necessary supporting document.		
25	Industrial Standard Compliance	ACPI 2.0 Compliant, PCI 2.0 or higher Compliant, WOL Support, MS Logo Certification, USB 2.0 Support.		
26	Network Port	Servers should have minimum 2 nos. of 1 GBPS (RJ45) copper network port		
27		Minimum 2 nos., of 10 GBPS Fiber network port. Server should be populated with 10G Fiber module from day one		
28	HBA's <b>minimum</b>	2x16 Gbps Fiber HBA card (Multipathing and load sharing)		

\* Any line item given above, if not complied, will entail rejection of the bid.

**Minimum Technical Specification for Rack Server Type-X**

Sl. No.	Item	Specification for Servers-Type-X	Offered Specification	Complied (Y)
1	Make	Bidder to specify		
2	Model	Bidder to specify		
3	Form Factor	Maximum 4U Rack form factor with sliding rails to fit into industry standard 19" Server Rack		
4	CPU	Minimum Single <b>Intel Xeon gold / AMD EPYC 8 Core</b> CPU @ 3.6 GHz clock speed or higher		
5	Chipset	Latest Intel/ AMD chipset supporting above processor		
6	Motherboard	OEM make Server class motherboard		
7	Disk Drives	<b>Minimum 4 x 960 GB, SSD Drive</b>		
8	Controller	Integrated RAID Controller with support for RAID 1		
9	Raid	<b>Raid 1,1+0,0,5,6</b>		
10	Cache	Minimum 24 MB L3 Cache		
11	USB PORT	2 USB 2.0 ports. Keyboard, Mouse shall be supported with the same USB.		
12	Cooling Fans	Redundant hot swap and redundant cooling fans		
13	DVD-ROM	DVD Writer (Internal/External)		
14	RAM	<b>64 GB</b> (1600 MHz or Higher ) DDR4 Should be upgradable upto 256 GB		
15	Bus Slots	Minimum of 2 PCI expansions/Mezzanine 09 Bus Slots expansions.		
		Bus slots should support for Dual/Quad Gigabit, Dual 10Gbps for increased bandwidth and additional network port requirements.		
16	Diagnostics	Pre Failure Notification for all active and important components like processors, Memory, Hard drives, etc. and automatic calls logging.		
17	Security	Power-on password, administrator password.		
18	OS Support	Windows Server 2019 (Standard Edition) 64 bit down gradable to or windows server 2012, RHEL 7.3 or higher.		
19	EXPANSION SLOTS	Minimum 2 nos of PCI express slots, out of which one port to be kept free and 1 for HBA card.		
20	Systems Management and Diagnostics	Standard management features by Server OEM only. Vendor should provide unified management suite that can monitor and manage all the servers deployed by vendor at delivery site using a single console. The server should come with systems		



		management software to provide update management, configuration management, patch management and virtualization management.		
21	Certification and industry standards compliant	1. Certified for Microsoft Windows		
		2. The offered server model should certified for at-least two of the following three certificates (UL, FCC, ROHS)		
22	POWER SUPPLY	Redundant Power Supply with necessary power cables/cords		
23	Delivery	All the necessary tools & tackles licenses, cables / connectors for Ethernet / Fiber / USB / Power etc. required for making the system operational shall be provided by the bidder.		
24	Warranty	3 year onsite warranty with 2 Years AMC with 99.98% uptime calculated on quarterly basis. Offered server should carry direct warranty from OEM (24 x 7 call logging with 6 hours call to resolution cycle) and the same should be substantiated by necessary supporting document.		
25	Industrial Standard Compliance	ACPI 2.0 Compliant, PCI 2.0 or higher Compliant, WOL Support, MS Logo Certification, USB 2.0 Support.		
26	Network Port	Servers should have minimum 2 nos. of 1 GBPS (RJ45) copper network port		
27		Minimum 2 nos., of 10 GBPS Fiber network port. Server should be populated with 10G Fiber module from day one		
26	HBA's <b>minimum</b> 2x16 Gbps Fiber dual port HBA card (Multipathing and load sharing)			

**\* Any line item given above, if not complied, will entail rejection of the bid.**

**Annexure – XVIII**  
**Masked Commercial Bid**

(Amount in Rs.)

Sl. No.	Item Description	Make and Model	Quantity (x)	Unit Price (Y)	GST%	GST Amount	Total Unit Price Z=(X*Y)
	(1)		(2)	(3)	(4)	(5)	(6)
<b>A.HARDWARE</b>							
1.	Type-I Server		8	XXXX	XXXX	XXXX	XXXX
2.	Type-II Server		6	XXXX	XXXX	XXXX	XXXX
3.	TYPE-III Server		2	XXXX	XXXX	XXXX	XXXX
4.	TYPE-IV Server		3	XXXX	XXXX	XXXX	XXXX
5.	TYPE-V Server		3	XXXX	XXXX	XXXX	XXXX
6.	TYPE-VI Server		1	XXXX	XXXX	XXXX	XXXX
7.	TYPE-VII Server		3	XXXX	XXXX	XXXX	XXXX
8.	TYPE-VIII Server		3	XXXX	XXXX	XXXX	XXXX
9.	TYPE-IX Server		2	XXXX	XXXX	XXXX	XXXX
10.	TYPE-X Server		4	XXXX	XXXX	XXXX	XXXX
11.	42U Server Rack		3	XXXX	XXXX	XXXX	XXXX
12.	16 KVM Monitor		3	XXXX	XXXX	XXXX	XXXX
13.	SAN Storage-1 ( 20 TB)		1	XXXX	XXXX	XXXX	XXXX
14.	SAN Storage-2 ( 25 TB)		1	XXXX	XXXX	XXXX	XXXX
15.	<b>FC Switch 24 Port with necessary cables and accessories</b>		4	XXXX	XXXX	XXXX	XXXX
<b>SUB TOTAL (A)</b>				XXXX	XXXX	XXXX	XXXX

<b>B.SOFTWARE LICENSE</b>							
Sl No	Item Description	No of Servers	No of Licenses (to be mentioned by the bidder)	Unit Price (Y)	GST%	GST Amount	Total Unit Price Z=(X*Y)
16.	Windows Server 2019 Standard Edition down gradable to Windows Server 2012	32	XXXX	XXXX	XXXX	XXXX	XXXX
17.	Windows Server 2019 Data Center Edition down gradable to Windows Server 2012	3	XXXX	XXXX	XXXX	XXXX	XXXX
18.	MS SQL Server 2012 Standard edition	3	XXXX	XXXX	XXXX	XXXX	XXXX
19.	MS SQL Server 2016 Enterprise edition	2	XXXX	XXXX	XXXX	XXXX	XXXX

20.	MS SQL Server 2016 Standard edition	3	xxxx	xxxx	xxxx	xxxx	xxxx
21.	MS SQL Server 2017 Enterprise edition	2	xxxx	xxxx	xxxx	xxxx	xxxx
<b>SUB TOTAL (B)</b>				xxxx	xxxx	xxxx	xxxx
<b>Note: (i) Bidder should quote price of licenses by specifying no of licenses based on "List of Servers for calculation of required number of Licenses "</b> <b>(ii) Bank will decide the actual quantity based on requirement.</b>							

<b>C. AMC</b>								
SI No	Item Description	Quantity (x)	Unit Price (Y)		GST%	GST Amount	Total Unit Price Z=(X*Y)	
			4 <sup>th</sup> Yr	5 <sup>th</sup> Yr				
22.	Type-I Server	8	xxx x	xxxx	xxxx	xxxx	xxxx	
23.	Type-II Server	6	xxx x	xxxx	xxxx	xxxx	xxxx	
24.	TYPE-III Server	2	xxx x	xxxx	xxxx	xxxx	xxxx	
25.	TYPE-IV Server	3	xxx x	xxxx	xxxx	xxxx	xxxx	
26.	TYPE-V Server	3	xxx x	xxxx	xxxx	xxxx	xxxx	
27.	TYPE-VI Server	1	xxx x	xxxx	xxxx	xxxx	xxxx	
28.	TYPE-VII Server	3	xxx x	xxxx	xxxx	xxxx	xxxx	
29.	TYPE-VIII Server	3	xxx x	xxxx	xxxx	xxxx	xxxx	
30.	TYPE-IX Server	2	xxx x	xxxx	xxxx	xxxx	xxxx	
31.	TYPE-X Server	4	xxx x	xxxx	xxxx	xxxx	xxxx	
32.	42U Server Rack	3	xxx x	xxxx	xxxx	xxxx	xxxx	
33.	16 KVM Monitor	3	xxx x	xxxx	xxxx	xxxx	xxxx	
34.	SAN Storage-1 ( 20 TB)	1	xxx x	xxxx	xxxx	xxxx	xxxx	
35.	SAN Storage-2 ( 25 TB)	1	xxx x	xxxx	xxxx	xxxx	xxxx	
36.	FC Switch 24 Port with necessary cables and accessories	4	xxx x	xxxx	xxxx	xxxx	xxxx	
	<b>SUB TOTAL (C)</b>							

#### D. ATS

	Item Description	No of Servers	No of Licenses (to be mentioned by the bidder)	Unit Price (Y)				GST%	GST Amount	Total Unit Price $Z=(X*Y)$
				2 <sup>nd</sup> d Yr	3 <sup>rd</sup> d Yr	4 <sup>th</sup> h Yr	5 <sup>TH</sup> Yr			
37.	Windows Server 2019 Standard Edition down gradable to Windows Server 2012	32		XX XX	XX XX	XX XX	XXX X	XXXX	XXXX	XXXX
38.	Windows Server 2019 Data Center Edition down gradable to Windows Server 2012	3		XX XX	XX XX	XX XX	XXX X	XXXX	XXXX	XXXX
39.	MS SQL Server 2012 Standard edition	3		XX XX	XX XX	XX XX	XXX X	XXXX	XXXX	XXXX
40.	MS SQL Server 2016 Enterprise edition	2		XX XX	XX XX	XX XX	XXX X	XXXX	XXXX	XXXX
41.	MS SQL Server 2016 Standard edition	3		XX XX	XX XX	XX XX	XXX X	XXXX	XXXX	XXXX
42.	MS SQL Server 2017 Enterprise edition	2		XX XX	XX XX	XX XX	XXX X	XXXX	XXXX	XXXX
	<b>SUB TOTAL (D)</b>									

#### E. Summary Table

Total Cost of Ownership of Table-A (Hardware)	XXXX
Total Cost of Ownership of Table-B (Software License)	XXXX
Total Cost of Ownership of Table-C (AMC)	XXXX
Total Cost of Ownership of Table-D (ATS)	XXXX
Total Cost of Ownership [Total of A+B+C+D] (in figures)	XXXX
Total Cost of Ownership [Total of A+B+C+D] (in words)	XXXX

#### **Note:**

- We hereby confirm that quotes mentioned in this commercial bid is strictly as per the format in RFP.
- We also confirm that the above mentioned rates are accurate. In case of any anomalies in the calculation for arriving at TCO, the Bank will have the right to rectify the same as mentioned in the commercial evaluation process clause no. 2.3 and it will be binding upon our company.
- We have ensured that the price information is filled in the Commercial Offer at appropriate column without any typographical or arithmetic errors. All fields have been filled in correctly.

- We have not added or modified any clauses / statements / recordings / declarations in the commercial offer, which is conditional and / or qualified or subjected to suggestions, which contain any deviation in terms & conditions or any specification.
- We have understood that in case of non-adherence to any of the above, our offer will be summarily rejected.

**Company Seal**

**Authorized Signatory**

**Date**

**Name & Designation:**

**Note:**

- In case of discrepancy between figures and words, the amount in words shall prevail.
- Present Rate of tax, if applicable, should be quoted in respective columns. The Bank will pay the applicable taxes for the above mentioned tax type ruling at the time of actual delivery of service/implementation and resultant billing. However, no other tax type will be paid. The Octroi / Entry Tax will be paid extra, wherever applicable on submission of actual tax receipt.
- Bank has discretion to keep any of the line item mentioned above as optional as per Bank's requirement.
- Please note that any commercial offer which is conditional and / or qualified or subjected to suggestions will also be summarily rejected. This offer shall not contain any deviation in terms & condition or any specifications, if so such offer will be summarily rejected.
- All prices should be quoted in **Indian Rupees (INR)** only.
- The TCO (Total Cost of Ownership) will be exclusive of GST. However, the GST and other applicable taxes will be paid as per actuals at the time of resultant billing.
- **Bank will not communicate with OEM / OSD for any queries.**
- The quantity mentioned above is only indicative and may change at the time of issuance of Purchase Order.

**Annexure- XIX**  
**Commercial Bid**

**(Amount in Rs.)**

Sl. No.	Item Description	Make and Model	Quantity (x)	Unit Price (Y)	GST%	GST Amount	Total Unit Price Z=(X*Y)
	(1)		(2)	(3)	(4)	(5)	(6)
<b><u>A.HARDWARE</u></b>							
1.	Type-I Server		8				
2.	Type-II Server		6				
3.	TYPE-III Server		2				
4.	TYPE-IV Server		3				
5.	TYPE-V Server		3				
6.	TYPE-VI Server		1				
7.	TYPE-VII Server		3				
8.	TYPE-VIII Server		3				
9.	TYPE-IX Server		2				
10.	TYPE-X Server		4				
11.	42U Server Rack		3				
12.	16 KVM Monitor		3				
13.	SAN Storage-1 ( 20 TB)		1				
14.	SAN Storage-2 ( 25 TB)		1				
15.	<b>FC Switch 24 Port with necessary cables and accessories</b>		4				
<b>SUB TOTAL (A)</b>							

<b><u>B.SOFTWARE LICENSE</u></b>							
SI No	Item Description	No of Servers	No of Licenses (to be mentioned by the bidder)	Unit Price (Y)	GST%	GST Amount	Total Unit Price Z=(X*Y)
16.	Windows Server 2019 Standard Edition down gradable to Windows Server 2012	32					
17.	Windows Server 2019 Data Center Edition down gradable to Windows Server 2012	3					
18.	MS SQL Server 2012 Standard edition	3					
19.	MS SQL Server 2016 Enterprise edition	2					

20.	MS SQL Server 2016 Standard edition	3					
21.	MS SQL Server 2017 Enterprise edition	2					
<b>SUB TOTAL (B)</b>							
<b>Note: (i) Bidder should quote price of licenses by specifying no of licenses based on "List of Servers for calculation of required number of Licenses "</b> <b>(ii) Bank will decide the actual quantity based on requirement.</b>							

<b>C. AMC</b>							
	Item Description	Quantity (x)	Unit Price (Y)		GST%	GST Amount	Total Unit Price Z=(X*Y)
			4 <sup>th</sup> Yr	5 <sup>th</sup> Yr			
22.	Type-I Server	8					
23.	Type-II Server	6					
24.	TYPE-III Server	2					
25.	TYPE-IV Server	3					
26.	TYPE-V Server	3					
27.	TYPE-VI Server	1					
28.	TYPE-VII Server	3					
29.	TYPE-VIII Server	3					
30.	TYPE-IX Server	2					
31.	TYPE-X Server	4					
32.	42U Server Rack	3					
33.	16 KVM Monitor	3					
34.	SAN Storage-1 ( 20 TB)	1					
35.	SAN Storage-2 ( 25 TB)	1					
36.	FC Switch 24 Port with necessary cables and accessories	4					
<b>SUB TOTAL (C)</b>							

D. ATS										
	Item Description	No of Servers	No of Licenses (to be mentioned by the bidder)	Unit Price (Y)				GST%	GST Amount	Total Unit Price Z=(X*Y)
				2 <sup>nd</sup> Yr	3 <sup>rd</sup> Yr	4 <sup>th</sup> Yr	5 <sup>TH</sup> Yr			
37.	Windows Server 2019 Standard Edition down gradable to Windows Server 2012	32								
38.	Windows Server 2019 Data Center Edition down	3								

	gradable to Windows Server 2012									
39.	MS SQL Server 2012 Standard edition	3								
40.	MS SQL Server 2016 Enterprise edition	2								
41.	MS SQL Server 2016 Standard edition	3								
42.	MS SQL Server 2017 Enterprise edition	2								
<b>SUB TOTAL (D)</b>										

<b>E. Summary Table</b>	
<b>Total Cost of Ownership of Table-A (Hardware)</b>	
<b>Total Cost of Ownership of Table-B (Software License)</b>	
<b>Total Cost of Ownership of Table-C (AMC)</b>	
<b>Total Cost of Ownership of Table-D (ATS)</b>	
<b>Total Cost of Ownership [Total of A+B+C+D] (in figures)</b>	
<b>Total Cost of Ownership [Total of A+B+C+D] (in words)</b>	

**Note:**

- We hereby confirm that quotes mentioned in this commercial bid is strictly as per the format in RFP.
- We also confirm that the above mentioned rates are accurate. In case of any anomalies in the calculation for arriving at TCO, the Bank will have the right to rectify the same as mentioned in the commercial evaluation process clause no. 2.3 and it will be binding upon our company.
- We have ensured that the price information is filled in the Commercial Offer at appropriate column without any typographical or arithmetic errors. All fields have been filled in correctly.
- We have not added or modified any clauses / statements / recordings / declarations in the commercial offer, which is conditional and / or qualified or subjected to suggestions, which contain any deviation in terms & conditions or any specification.
- We have understood that in case of non-adherence to any of the above, our offer will be summarily rejected.

**Company Seal**

**Date**

**Name & Designation:**

**Note:**

**Authorized Signatory**

- In case of discrepancy between figures and words, the amount in words shall prevail.
- Present Rate of tax, if applicable, should be quoted in respective columns. The Bank will pay the applicable taxes for the above mentioned tax type ruling at the time of actual



delivery of service/implementation and resultant billing. However, no other tax type will be paid. The Octroi / Entry Tax will be paid extra, wherever applicable on submission of actual tax receipt.

- Bank has discretion to keep any of the line item mentioned above as optional as per Bank's requirement.
- Please note that any commercial offer which is conditional and / or qualified or subjected to suggestions will also be summarily rejected. This offer shall not contain any deviation in terms & condition or any specifications, if so such offer will be summarily rejected.
- All prices should be quoted in **Indian Rupees (INR)** only.
- The TCO (Total Cost of Ownership) will be exclusive of GST. However, the GST and other applicable taxes will be paid as per actuals at the time of resultant billing.
- **Bank will not communicate with OEM / OSD for any queries.**
- The quantity mentioned above is only indicative and may change at the time of issuance of Purchase Order.





**UCO Bank**  
**Honours Your Trust**

**NOTICE TO THE BIDDERS**

**04.12.2021**

**Sub: Extension of Bid Submission date in respect of “Request for Proposal (RFP) for Supply, Installation and Maintenance of Hardware, Operating Systems and Database Licenses for various Projects/Applications; RFP Ref. No: UCO/DIT/3076/2021-22 Date: 30.10.2021”.**

The last date for submission of bid documents for “Request for Proposal (RFP) for Supply, Installation and Maintenance of Hardware, Operating Systems and Database Licenses for various Projects/Applications” which was scheduled on **06.12.2021** is hereby extended **upto 14.12.2021 (4:00 P.M.)**. Technical bids will be opened on **14.12.2021 at 4:30 P.M.**

All other terms and conditions of the above RFP & subsequent pre-bid responses / addendum / corrigendum will remain unchanged.

**Department of Information Technology**  
**Head Office, Kolkata**