

## Annexure 10 : Bill of Material - Instructions

BILL OF MATERIAL	
S.No.	Guidelines
I	<b>Summary of Total Cost</b>
1	The Bidder is expected to quote the costs for all items required for fully complying with the requirements of the RFP and the corrigendum's in the respective sections of the price bid. The prices for the respective sections would be deemed to include all components required to successfully utilise the solution.
2	Bank is not responsible for any arithmetic errors in the commercial bid details sheet committed by the shortlisted bidders, however, if there are any computational errors the Bank will evaluate the Bid as per provisions contained under RFP document.
3	The Bidder is expected to specify the type of licences along with the details with respect to quantity, rate, etc., wherever applicable.
4	In case the Bidder includes/combines any line item as part of any other line item in the commercial bid, then this has to be clearly mentioned in the description indicating the line item which contains the combination
5	The Bidder has to quote for each line item. If any line item is part of the solution proposed in the RFP response, it has to be referenced. If it is not applicable, then the Bidder has to mention Not Applicable (NA).
6	The Bidder is expected to quote unit price in Indian Rupees (without decimal places) for all components (hardware, software etc.) and services on a fixed price basis, as per the commercial Bid inclusive of all costs. GST(Goods and Services Taxes) shall be payable as per applicable structure laid down under GST Law. The Bank will not pay any other taxes, cost or charges.
7	The Bidder may insert additional line items as applicable based on the solution offered in the respective tabs
8	<b>The Bidders should quote as per the format of Bill of Material ONLY and a masked replica of the Bill of Material should be enclosed in the technical bid.</b>
9	Bidder is required to cover component by component licensing details for each of the software components proposed to the Bank.
10	<b>The <u>masked</u> Bill of Materials which would be submitted as part of the Technical Bill of Material should contain "XX" for ALL the corresponding commercial values that will be present in the unmasked Bill of Material that will be part of the Commercial submission.</b>
11	All amounts in the Bill of Material should be in INR
12	The Bidder should to the extent possible stick to the same structure of the Bill of Material. Hence the Bank does not expect the bidders to delete necessary rows.
II	<b>Software Licenses</b>
1	The Bidder has to quote for each line item. If any line item is part of the solution proposed in the RFP response, it has to be referenced. If it is not applicable, then the Bidder has to mention Not Applicable (NA).
2	The Bidder can insert additional line items as applicable based on the solution offered in the various tabs
3	The license type has to be clearly described in the description column
4	The Bidder shall provide the maintenance (Warranty, AMC & ATS) for a period of five years beginning from the date of acceptance test procedure signoff. The Warranty period for the components should be for the first three years for hardware and 1 year for software, for which the cost should be factored in the Product cost and AMC / ATS shall be factored for the subsequent 2 years for hardware and 4 years for software, respectively.
III	<b>Server Equipment at DC, DRC as per RFP</b>
1	The Bidder is required to supply implement and maintain the hardware & associated software required for the solution.
2	If the sizing is found inadequate and causes any performance issues, then the Bidder must provide additional hardware as necessary at no additional cost to the bank.
V	<b>Installation &amp; Commissioning, Implementation</b>
1	Bidder shall comply to the Installation & commissioning, implementation scope provided in the RFP
2	Bidder shall provide the solution wise implementation cost. Each solution implementation should include all the costs associated with the complete implementation of the solution covering all the the locations & implementation of associated components like software etc.
3	Activities and functions to be undertaken for installation and implementation of the licensed software should be as per the RFP
VI	<b>AMC, ATS &amp; Others, FM</b>
1	Bidder is expected to provide a detailed break up of all products and services that are under the scope of facilities management as part of the technical bid, in the technical bill of materials i.e. the above format is expected to be replicated for each item to be covered under the scope of facilities management.
2	The Bidder has to note that the AMC cost will begin post the warranty period of 3 years for hardware and warranty of the hardware will begin after hardware acceptance sign off
3	The ATS costs for the Production DC & DR have to be quoted separately
4	Bidders must note that any Warranty pertaining to Hardware and Software/Applications that extends beyond the contract period due to the Hardware/Software/Applications supply towards the terminal years of the contract must be provided and supported by the Bidder without any additional cost to the bank.
5	The Bidder needs to provide facility management services as per the scope of the RFP
6	The facilities management function should be carried out from the Bank's premises.

**Annexure 10 : Bill of Material - Summary****Summary Of Costs**

<b>Sr. No.</b>	<b>Description</b>	<b>Amount (INR)</b>
<b>A</b>	<b>Hardware Product Cost</b>	
<b>B</b>	<b>Software Product Cost</b>	
<b>C</b>	<b>Installation cost</b>	
<b>D</b>	<b>AMC , ATS Cost</b>	
<b>E</b>	<b>Facility Management - People deployment Cost</b>	
<b>F</b>	<b>Training Cost</b>	
	<b>Total Cost of Ownership (TCO) (A+B+C+D+E+F)</b>	

**Note:**

1. All the costs mentioned in all costing sheets need to flow correctly on to this summary sheet
2. Vendor to make sure that the arithmetic computation and the value flow between the sheets are correct. Bank will not be responsible for any computation error by the vendor
3. The prices quoted by the Vendor shall include all costs such as, taxes, levies, cess, excise and custom duties, instalation, insurance etc. that need to be incurred except for Service Tax, VAT, local entry taxes/ octroi wherever applicable that need to be incurred on
4. All the cost should be in Indian Rupees

Annexure 10 : Bill of Material - Hyper Converged Infrastructure

AI Hardware Cost																	
Sr. No	Items	Year 1			Year 2			Year 3			Year 4			Year 5			Total Amount
		Quantity	Rate (INR)	Amount	Quantity	Rate (INR)	Amount	Quantity	Rate (INR)	Amount	Quantity	Rate (INR)	Amount	Quantity	Rate (INR)	Amount	
<b>1.0 Datacenter (DC)</b>																	
1	All flash HCI node with 2 Sockets, 28 Cores/CPU, 1 TB RAM, 2* 800GB WI 12 SAS 10 DWPD Cache Tier and 12*1.92TB 12G SAS 1DWPD SSD Capacity Tier , 2*16 GB SD Cards, 6*10 Gig Network Ports as per Annexure 1.1	8															
2	All flash HCI Node with 2 Sockets, 28 Cores/CPU, 768 GB RAM, 2* 800GB WI 12G SAS 10 DWPD Cache Tier and 12*1.92TB 12G SAS 1DWPD SSD Capacity Tier , 6*10 Gig Network Ports as per Annexure 1.1	20															
3	HCI node with 1 Socket , 28 Cores/CPU, 256 GB RAM, 2* 800GB WI 12G SAS and 8*960GB RI SAS 1 DWPD , 2* 16 GB SD Cards, 6*10 Gig Network Ports as per Annexure 1.1	4															
4	Enterprise Network Attached Storage (NAS) (400 TB Usable) as per Annexure 1.2 along with required Software.	1															
5	TOR (Top of the Rack) L3 Switch with 24x10/25 Gbps and 4x40 Gbps uplink alongwith required stacking cables. ( Note:- Bidder has to quote the number of devices required for the proposed solution with min. above configuration)																
6	Any other (Please specify)																
<b>Hardware Product Cost at DC</b>																	
<b>2.0 Disaster Recovery Center(DRC)</b>																	
1	All flash HCI node with 2 Sockets, 28 Cores/CPU, 1 TB RAM, 2* 800GB WI 12 SAS 10 DWPD Cache Tier and 12*1.92TB 12G SAS 1DWPD SSD Capacity Tier , 2*16 GB SD Cards, 6*10 Gig Network Ports as per Annexure 1.1	8															
2	All flash HCI Node with 2 Sockets, 28 Cores/CPU, 768 GB RAM, 2* 800GB WI 12G SAS 10 DWPD Cache Tier and 12*1.92TB 12G SAS 1DWPD SSD Capacity Tier , 6*10 Gig Network Ports as per Annexure 1.1	12															
3	HCI node with 1 Socket , 28 Cores/CPU, 256 GB RAM, 2* 800GB WI 12G SAS and 8*960GB RI SAS 1 DWPD , 2* 16 GB SD Cards, 6*10 Gig Network Ports as per Annexure 1.1	4															
4	Enterprise Network Attached Storage (NAS) (400 TB Usable) as per Annexure 1.2 along with required Software.	1															
5	TOR (Top of the Rack) L3 Switch with 24x10/25 Gbps and 4x40 Gbps uplink alongwith required stacking cables. ( Note:- Bidder has to quote the number of devices required for the proposed solution with min. above configuration)																
6	Any other (Please specify)																
<b>Hardware Product Cost at DRC</b>																	
<b>Total Hardware Cost</b>																	

**Annexure 10 : Bill of Material - Software**

<b>BI Software Cost</b>													
Sr. No.	Items	Quantity	Year 1		Year 2		Year 3		Year 4		Year 5		Total Amount
			Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount	
<b>1.0 Datacenter (DC)</b>													
1	Red Hat Enterprise Linux Server, Premium (Physical or Virtual Nodes)	51											
2	Red Hat Enterprise Linux High Availability Subscription (Physical or Virtual Nodes)	4											
3	Microsoft Windows Server 2019 or higher Datacenter Edition (WinSvrDCCore SINGL LicSAPk OLP 2Lic NL CoreLic Qlfd-SKU 9EA-00124) with 2 year software assurance.	420											
4	VMware vCloud Suite Standard	60											
5	vCenter Standard	1											
6	VMWare Site recovery manager Enterprise (25 VMs Pack)	4											
7	HCI & SDN Software to be quoted as per the RFP Specifications												
8	<i>Any other (Please specify)</i>												
<b>Software Cost at DC</b>													
<b>2.0 Disaster Recovery Centre</b>													
1	Red Hat Enterprise Linux Server, Premium (Physical or Virtual Nodes)	30											
2	Microsoft Windows Server 2019 or higher Datacenter Edition (WinSvrDCCore SINGL LicSAPk OLP 2Lic NL CoreLic Qlfd-SKU 9EA-00124) with 2 year software assurance.	308											
3	VMware vCloud Suite Standard	44											
4	vCenter Standard	1											
5	HCI & SDN Software to be quoted as per the RFP Specifications												
6	<i>Any other (Please specify)</i>												
<b>Software Cost at DRC</b>													
<b>Total Software Product Cost</b>													

**Note:-**  
software license mentioned is for TCO calculation purpose. Actual requirement will be shared by Bank with the successful bidder

## Annexure 10 : Bill of Material - Installation

<u>C] Installation cost at DC &amp; DRC</u>								
Sr. No.	Application Name	Description	Year 1	Year 2	Year 3	Year 4	Year 5	Total Amount
			Amount	Amount	Amount	Amount	Amount	
<b>1.0 Datacenter</b>								
1	Hyper Converged Infrastructure and related components Installation	Implementation services for Hyper Converged Infrastructure and related equipments at DC						
2	Storage Installation	Implementation services for Storage Equipments at DC						
3	Software Installation	Implementation services for Software Installation						
4	<i>Any other, pls specify</i>							
<b>SUB TOTAL 1 - DC Installation Cost</b>								
<b>2.0 Disaster Recovery Center</b>								
1	Hyper Converged Infrastructure and related components Installation	Implementation services for Hyper Converged Infrastructure and related equipments at DRC						
2	Storage Installation	Implementation services for Storage Equipments at DRC						
3	Software Installation	Implementation services for Software Installation						
4	<i>Any other, pls specify</i>							
<b>SUB TOTAL 2 - DRC Installation Cost</b>								
<b>Total Installation cost at DC &amp; DRC</b>								

**Note:-**

1. The installation cost should include all the costs - - installation, configurations, people deployed cost, traveling, stay expense, migration from the existing infrastructure to new infrastructure, any standby equipments required to minimize the downtime and any other expense that would be required to meet the implementation
2. The prices quoted by the Vendor shall include all costs such as, taxes, levies, cess, excise and custom duties, installation, insurance etc. that need to be incurred except for Service Tax, VAT and local entry taxes / octroi wherever applicable that need to be incurred on actuals.
3. All the formulas & arithmetical calculations will be Vendor's responsibility.

Annexure 10 : Bill of Material - AMC ATS

**DI AMC & ATS of Hyper Converged Infrastructure and NAS Storage and related components at DC & DRC**

Sr. No.	Application Name	Description	Details on AMC/ATS	Year 2			Year 3			Year 4			Year 5			Total Amount
				Quantity	Rate (INR)	Amount	Quantity	Rate (INR)	Amount	Quantity	Rate (INR)	Amount	Quantity	Rate (INR)	Amount	
<b>1.0 Datacenter</b>																
1	Hyper Converged Infrastructure AMC	AMC of Hyper Converged Infrastructure equipment at DC														
2	Storage Equipment AMC	AMC of Storage Equipments at DC														
3	TOR Switch AMC	AMC of Ethernet Switch at DC														
4	Software ATS	ATS of Software solution at DC														
5	<i>Any other, pls specify</i>															
<b>SUB TOTAL 1 - DC AMC &amp; ATS Cost</b>																
<b>2.0 Disaster Recovery Center</b>																
1	Hyper Converged Infrastructure AMC	AMC of Hyper Converged Infrastructure equipment at DRC														
2	Storage Equipment AMC	AMC of Storage Equipments at DRC														
3	TOR Switch AMC	AMC of Ethernet Switch at DRC														
4	Software ATS	ATS of Software solution at DRC														
5	<i>Any other, pls specify</i>															
<b>SUB TOTAL 2 - DRC AMC &amp; ATS Cost</b>																
<b>Total AMC &amp; ATS Cost at DC &amp; DRC</b>																

**Note:-**

1. All the proposed Hardware products should come with 3 years warranty. Post expiry of warranty the Vendor should provide the comprehensive AMC cost for subsequent 2 years.
2. All the proposed Software products should come with 1 years comprehensive Support . Post expiry of Support the Vendor should provide the comprehensive ATS cost for subsequent 4 years.
3. The prices quoted by the Vendor shall include all costs such as, taxes, levies, cess, excise and custom duties, installati on, insurance etc. that need to be incurred except for Service Tax, VAT and local entry taxes / octroi wherever applicable that need to be incurred on actuals. The prices quoted will also include transportation to respect ive sites, insurance till delivery at the bank’s site. The equipment would be supplied and delivered at Bank’s premises
3. All the formulas & arithmatcal calculations will be Vendor's responsibility.



**F) Training of solutions deployed by the Bidder:**

Training Type (Both Pre & Post Implementation)	Expected number of personnel in each batch	Number of Batches	Rate (per batch)	Total Amt (INR)
Hyperconverged infrastructure Solution and NAS Solution ( Preimplementation)	5	1		
Hyperconverged infrastructure Solution and NAS Solution ( Post implementation)	5	1		
<b>TOTAL TRAINING COST</b>				