

- (a) Supply, Installation and Maintenance of Hardware (Chassis, Server etc.) and related Software Licenses required for applications hosted in Virtualization Environment  
(b) Shifting of Existing IT Infrastructure and Re-Configuration as per Bank's requirement

**Clarifications**

S. No.	Page#/ Clause No.	Section/Point	Details Provided in RFP	Query / Changes Requested	Response to Query / Remarks from Bank
1.	Page No. 14/ Section 1.2	SCOPE OF THE PROJECT	Install and configure the VMware licenses provided as part of this bid.	Should there be PSO component included for the architecting and designing and deployment of the migration and consolidation plan for the above points ?	The architecting, designing, deployment activities for consolidation/migration of Intel workloads has to be performed by the System Integrator. However, VMware Technical Account Manager may be consulted for review of the proposed plan for migration/consolidation. Further VMware Technical Account Manager should be involved for reviewing the activities during migration/consolidation phase. Please refer point no. 1 in amendment corrigendum.
2.	Page No. 15/ Section 1.13	SCOPE OF THE PROJECT	Design and deploy solution which will not impact VMs during shifting of hardware from DR sites of IB and Allahabad Bank		
3.	Page No. 15/ Section 1.14	SCOPE OF THE PROJECT	VM Migration from evacuating datacentre a.All Active VMs running on Evacuating datacenter should be migrated to new target site before Hardware shifting using vSphere Replication		
4.	Page No. 15/ Section 1.17	SCOPE OF THE PROJECT	VMware SRM and vSphere replication should be deployed and configured for migration and protection		
5.	Page No. 15/ Section 1.10	SCOPE OF THE PROJECT	The laying of Fiber cables, rack cable dressing and labelling should be done neatly without any financial implications	Please confirm the Scope of Fibre Cable laying , is this to be done with in the rack , inter rack cabling etc.	Laying of fibre cables (for SAN Networking) will not be in the scope of the bidder. Bank will lay the cables from the SAN switches/directors to the Rack (LIU). Cabling (Ethernet/SAN) inside the Rack will be in the scope of the bidder. However, the SFPs/QSFPs at the server side has to be provided by the bidder. Please refer point no. 2 in amendment corrigendum.
6.				Rack cable dressing has to be done for the Supplied devices or this has to be done for the all the racks available at the location. Request to share the quantity to be considered for this	Rack cabling (inside the rack) activity may be required for all the IT Infrastructure involved in the current project. The details of the IT Infrastructure which is available



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				activity.	with bank and will form part of the project will be shared with the bidders before reverse auction.
7.	Page No. 16/ Section 1.16	ELIGIBILITY CRITERIA	The Bidder should have supplied minimum of 20 Intel processor based servers of the make quoted in the bid to Banks/ Financial Institutions/ Government Organizations in India in any one of the last three financial years.	Requesting you to modify the clause as " The Bidder should have supplied minimum of 20 Intel processor based servers of the make quoted in the bid to Banks/ Financial Institutions/ Government Organizations in India in any one of the last three financial years.	Please refer point no. 3 in amendment corrigendum.
8.				We request the Bank to amend this clause as follows: The Bidder should have supplied minimum of 20 Intel processor based servers of tshe make quoted in the bid to Banks/ Financial Institutions/ Government Organizations in India in last three financial years. (Total of last three years >= 20)	
9.				Request to amend the clause as "The Bidder should have supplied minimum of 20 Intel processor based servers of the any make /brand quoted in the bid to Banks/ Financial Institutions/ Government Organizations in India in each of the last three financial years. OR The Bidder should have supplied minimum of 20 Intel processor based servers of the make quoted in the bid to Banks/ Financial Institutions/ Government Organizations in India in each of the last two out of three financial years.	

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10.				Bidders who are registered as MSME units with NSIC and have a valid NSIC certificate, Bank may at its own discretion relax the provisions of prior experience. This relaxation will be subject to compliance of the bid with all the other terms and conditions of this RFP, Bidder's profile evaluation through client references and Technical evaluation of the proposed model of the Solution/Hardware.	
11.				Request to amend "The Bidder should have supplied minimum of 20 Intel processor based servers of the make quoted in the bid to Banks/ Financial Institutions/ Government Organizations in India in each of the last three financial years..or The Bidder should have supplied minimum of 20 Intel processor based servers to Banks/ Financial Institutions/ Government Organizations in India in each of the last three financial years.	
12.				The Annual turnover should be more than Rs. 60 crores for each of the last three financial years. (2017-18, 2018-19, 2019-20)	
13.	Page No. 16/ Section 1.16	ELIGIBILITY CRITERIA	The Annual turnover should be more than Rs. 150 crores for each of the last three financial years. (2017-18, 2018-19, 2019-20)	Bidders who are registered as MSME units with NSIC and have a valid NSIC certificate, Bank may at its own discretion relax the provisions of turnover clause. This relaxation will be subject to compliance of the bid with all the other terms and conditions of this RFP, bidder's profile evaluation through client references and Technical evaluation of the	Please refer point no. 4 in amendment corrigendum.



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14.				proposed model of the Solution/Hardware. We request the Bank to amend this clause as follows: The Annual turnover should be more than Rs. 70 crores for each of the last three financial years. (2017-18, 2018-19, 2019-20)	
15.	Page No. 16/ Section 1.16	ELIGIBILITY CRITERIA	Vendor should have implemented VMware vCloud Suite environment with minimum 10 nodes in last two financial years (2018-19, 2019-20).	Vendor should have implemented VMware vCloud Suite environment with minimum 6 nodes in last two financial years (2018-19, 2019-20). We request the Bank to drop this clause.	Please refer point no. 5 in amendment corrigendum.
16.					
17.	Page No. 16/ Section 1.16	ELIGIBILITY CRITERIA	The bidder should be an Authorized reseller of Hardware, Microsoft, VMware and Arcserve for supplying license and authorized by OEMs to quote for this project.	We request the Bank to amend this clause as follows: The bidder/ partner should be an Authorized reseller of Hardware, Microsoft, VMware and Arcserve for supplying license and authorized by OEMs to quote for this project.	Please adhere to tender terms and conditions
18.	Page No. 16/ Section 1.16	ELIGIBILITY CRITERIA	The bidder should have service center in Chennai. The Postal Address of the service center along with proof of address should be provided with the bid.	We request the Bank to amend this clause as follows: The bidder should have service center in Chennai. The Postal Address of the service center along with proof of address should be provided with the bid. Or Bidder will open a service centre within 60 days of start of the project.	Please adhere to tender terms and conditions
19.	Page No. 16/ Section 1.15	SERVICES FROM VMWARE	Implementation: Services should be taken from VMware during design and implementation phase. Also, expertise of OEM should be taken while shifting of workloads from Lucknow & Hyderabad to Chennai & Mumbai	Request the bank to confirm if VMware Professional services is mandatory to undertake end to end Design , deployment and migration for the project 3. "Expertise of OEM should be taken while shifting of workloads..."	The architecting, designing, deployment activities for consolidation/migration of Intel workloads has to be performed by the System Integrator. However, VMware Technical Account Manager may be consulted for review of the proposed plan

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			respectively	“ , request clarity of scope & expectation from VMware PSO.	for migration/consolidation. Further VMware Technical Account Manager should be involved for reviewing the activities during migration/consolidation phase. Please refer point no. 1 in amendment corrigendum.
20.	Page No. 16/ Section 1.15	SERVICES FROM VMWARE	<ol style="list-style-type: none"> <li>1. Onsite Health Check and Audit of VMWare environment</li> <li>2. Environmental Stability - Optimize operations by providing best practices and performing periodic health checks for VMware Infrastructure</li> <li>3. Automated data collection tool VMW infrastructure, inventory, configuration &amp; utilization and provide quarterly trend forecast of utilization.</li> <li>4. Provide vulnerability analysis and remediation for VMware Products</li> <li>5. Provide guidance and procedure for upgrades for VMware Products</li> <li>6. Skills gaps, training, Roadmap awareness of VMware Products</li> <li>7. Improved management of support requests - Issue coordination, escalation and resolution</li> <li>8. Vendor should provide TAM Service one day a week minimum post completion of implementation phase</li> </ol>	<ol style="list-style-type: none"> <li>1.Needs to be made sub-points under point. 9 under sub heading TAM services.</li> <li>2.Need confirmation on Duration of TAM services</li> </ol>	<p>VMware TAM services has to be provided for 1 day per week during the whole contract period.</p> <p>Please refer point no. 1 in amendment corrigendum.</p>



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21.	Page No. 20/ Section 2.3	PATENT RIGHTS	The Supplier shall indemnify the purchaser against all third-party claims of infringement of patent, trademark or industrial design rights arising from use of the Goods or any part thereof.	We request that provisions related to Patent rights be restricted to Third party indemnification claims arising from infringement of IPR in respect of the Services provided by Bidder.	Please adhere to the tender terms and conditions. However, the clause is applicable for the goods and services provided by the bidder in the current RFP.
22.	Page No. 20/ Section 2.4	PROJECT MILESTONE AND TIME LINE	<ul style="list-style-type: none"> <li>Total time for Delivery and Installation for hardware should not exceed ten (10) Weeks from the date of Purchase Order.</li> <li>The Software licenses are to be delivered within one (1) week after all the hardware have been installed at the respective sites and are ready for software installation and configuration.</li> <li>Post Installation and configuration of VMware environment as per Bank's requirement. IT Infrastructure to be shifted and re-configured as per Bank's scope in four (4) weeks. List of IT equipment to be shifted will be shared with bidder who will qualify against the eligibility criteria of this project.</li> </ul>	<ul style="list-style-type: none"> <li>* Total time for Delivery and Installation for hardware should not exceed Twelve (12) Weeks from the date of Purchase Order.</li> <li>* The Software licenses are to be delivered within one (1) week after all the hardware have been installed at the respective sites and are ready for software installation and configuration.</li> <li>* Post Installation and configuration of VMware environment as per Bank's requirement. IT Infrastructure to be shifted and re-configured as per Bank's scope in Six (8) weeks. List of IT equipment to be shifted will be shared with bidder who will qualify against the eligibility criteria of this project.</li> </ul>	Please refer point no. 6 in amendment corrigendum.
23.				We request bank team amend this clause as from the date of acceptance or 12 weeks from the date of purchase order to complete the delivery & installation.	
24.				Request to issue Separate purchase order for software after delivery of Hardware	
25.				Request to amend "Delivery Date & Installation Date Total time for Delivery of hardware should not	



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				<p>exceed 6-8 Weeks from the date of Purchase Order. Installation should not exceed 4-6 weeks from the date of delivery</p> <p>The Software licenses are to be delivered within one (1) week after all the hardware have been installed at the respective sites and are ready for software installation and configuration. Post Installation and configuration of VMware environment as per Bank's requirement. IT Infrastructure to be shifted and re-configured as per Bank's scope in four (4) weeks. List of IT equipments to be shifted will be shared with bidder who will qualify against the eligibility criteria of this project.</p>	
26.	Page No. 20/ Section 2.4	PROJECT MILESTONE AND TIME LINE	The Software licenses are to be delivered within one (1) week after all the hardware have been installed at the respective sites and are ready for software installation and configuration.	Is there a time schedule to complete the design , deploy , validation of VMware products ? What is the time schedule to complete the VM migration ?	Design related activities has to be completed before delivery of the IT Infrastructure at the respective sites.
27.	Page No. 20/ Section 2.5	WARRANTY/ ANNUAL MAINTENANCE CONTRACT (AMC)	Microsoft SQL Enterprise software licenses should have the Software Assurance of 6 Years (2 + 2 +2 Years) from the original equipment manufacturer (OEM) from the date of delivery of software to the bank.	Request to remove MS SQL enterprise from the AMC /ATC for 3rd and 5th year	Please refer point no. 24 in amendment corrigendum.
28.			Software should be provided with 6 years support except Microsoft Windows Datacenter	Request to change order placement for one year and subsequently release for additional 5 years AMC /ATS every year	

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29.	Page No. 20/ Section 2.5	WARRANTY/ ANNUAL MAINTENANCE CONTRACT (AMC)	--	Bank to kindly confirm that warranty, support, AMC/ATS conditions in respect of products/software supplied will be as per the OEM/OSD warranty terms and conditions and Bidder being an authorized reseller, will pass on such warranties "as-is", to the Bank. All implied warranties are hereby excluded. All patches, upgrades, bug fixes, preventive maintenance will be provided by the OEM	Please adhere to the tender terms and conditions
30.	Page No. 21/ Section 2.6	MAINTENANCE AND SUPPORT	99% up time to be maintained, calculated on a 24*7 basis per month for all equipment supplied. The penalty applicable for every 0.1 % drop in uptime is 0.1% of the cost of complete solution. The same would be deducted from the AMC/ATS charges payable during the contract period. In case, the penalty amount is more than amount payable by bank towards ATS/AMC, bank reserves the right to invoke the performance security submitted by the successful bidder.	We request this to be amended to 0.1% of the cost of the Yearly AMC	Please refer point no. 7 in amendment corrigendum.
31.				Request to Cap the Penalty to 10% of AMC Charges	
32.				Requesting bank team to cap this penalty at 5% maximum for the respective year AMC charges.	
33.	Page No. 21/ Section 2.6	MAINTENANCE AND SUPPORT	Software implementation and maintenance including 24*7*365 onsite support on call basis. The response time from OEM for any call logged should be within two hours.	Is the Bank expecting the OEM onsite support?	OEM onsite support is required for all the hardware related maintenance activities. However, for software related activities, successful bidder has to provide onsite support by L3 level engineer and co-ordinate with OEM for resolution of issues. During critical software related issues due to which bank may face major downtime, OEM onsite support is expected.



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34.	Page No. 21/ Section 2.7	INSURANCE	The supplier should also insure the goods in Indian Territory for the invoice value under Storage cum Erection policy till three months from the date of delivery. Any damage happen to the equipment due to non-availability of storage cum erection policy, the supplier has to bear the losses	On delivery of Goods, ownership of the same passes on to the Bank. Bidder is not permitted to insure an item bidder does not own. We request that the Insurance post delivery, must be borne by the bank	Please adhere to the tender terms and conditions. Insurance will be borne by bank, post-installation and configuration of the IT Infrastructure.
35.	Page No. 21/ Section 2.9	PAYMENT TERMS/ Payment for Hardware	<ul style="list-style-type: none"> <li><b>On Delivery:</b> Seventy (70)% of the price of the Hardware delivered will be paid within 30 days of submission of Invoice copy and Proof of delivery duly counter signed by the Bank's Representative, Original/Copy of Transit Insurance Policy and Original of Storage cum erection policy.</li> <li><b>On Installation &amp; Configuration:</b> Twenty (20)% of the price of the Hardware delivered and installed will be paid on submission of Installation Certificate duly counter-signed by the Bank's Representative</li> <li><b>On Shifting &amp; Reconfiguration:</b> Ten (10)% of the price of the Hardware delivered and installed will be paid on completion of shifting and reconfiguration activities ( as per scope provided by the Bank). Payment will be released on</li> </ul>	<p>Request to amend the clause as Payment for Hardware:</p> <p>*On Delivery: Seventy(70)% of the price of the Hardware delivered will be paid within 30 days of submission of Invoice copy and Proof of delivery duly counter signed by the Bank's Representative, Original/Copy of Transit Insurance Policy and Original of Storage cum erection policy.</p> <p>* On Installation &amp; Configuration: Twenty Five (25)% of the price of the Hardware delivered and installed will be paid on submission of Installation Certificate duly counter-signed by the Bank's Representative</p> <p>* On Shifting &amp; Reconfiguration: Five (5%) of the price of the Hardware delivered and installed will be paid on completion of shifting and reconfiguration activities ( as per scope provided by the Bank). Payment will be released on submission of sign-off certificate duly counter-signed by the Bank's Representative</p>	Please refer point no. 8 in amendment corrigendum.
36.				We request bank team to change this payment terms as 80% against delivery.	

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37.			submission of sign-off certificate duly counter-signed by the Bank's Representative	We request bank team to change this payment terms as 10% against Installation & configuration.	
38.			<ul style="list-style-type: none"> <li><b>On Delivery:</b> Eighty (80) % of the price of the software delivered will be paid within 15 days of submission of Invoice copy and Proof of delivery duly counter signed by the Bank's Representative.</li> </ul>	We request bank team amend this clause as 90% against delivery.	
39.	Page No. 22/ Section 2.9	PAYMENT TERMS/ Payment for Software	<ul style="list-style-type: none"> <li><b>On Installation &amp; Configuration:</b> Twenty (20)% of the price of the software delivered and installed will be paid on submission of Installation Certificate duly counter-signed by the Bank's Representative</li> </ul>	We request bank team amend this clause as 10% against software Installation & Configuration.	Please adhere to the tender terms and conditions
40.			<ul style="list-style-type: none"> <li><b>Implementation Services:</b> 100% of the Cost will be paid post implementation sign off by the bank post shifting of the equipment and reconfiguration</li> </ul>	We request 50% to be paid in advance as VMware will request advance payments. 50% can be paid on completion	Please adhere to tender terms and conditions. VMware scope is limited to consultancy from the TAM aligned for Indian Bank.
41.	Page No. 22/ Section 2.9	PAYMENT TERMS/ Payment for Services from VMware	<ul style="list-style-type: none"> <li><b>Onsite Health Checkup:</b> Payment for TAM Services will be annually in advance post implementation period of the project</li> </ul>	We request bank team to amend this clause as 50% along with the purchase order acceptance & 50% against the implementation services.	Please refer point no. 9 in amendment corrigendum.
42.				Should VMware include PSO for the design deployment of the project?	The architecting, designing, deployment activities for consolidation/migration of Intel workloads has to be performed by the System Integrator. However, VMware Technical Account Manager may be consulted for review of the proposed plan



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					for migration/consolidation. Further VMware Technical Account Manager should be involved for reviewing the activities during migration/consolidation phase.
43.	Page No. 22/ Section 2.9	PAYMENT TERMS/ Subsequent AMC Payment	<ul style="list-style-type: none"> <li>Subsequent SA Payment for Microsoft SQL Enterprise software licenses for 4 years (3rd, 4th, 5th and 6th year) will be made at the beginning of 3rd year and 5th year respectively.</li> <li>Subsequent ATS/AMC Payment for 2nd, 3rd, 4th, 5th and 6th year for VMware and Arcserve software licenses will be made annually in advance.</li> <li>Post warranty, AMC for the hardware supplied will be payable annually in arrears viz. for 4th, 5th and 6th year.</li> </ul>	We request this to be amended to Yearly in advance as all OEMs will request the same with Bidder	Please refer point no. 10 in amendment corrigendum.
44.				Requesting You to modify the clause as "Post warranty, AMC for the hardware supplied will be payable annually in Advance for 4th, 5th and 6th year."	
45.				We request bank team to amend this clause as Annually in advance.	
46.	Page No. 22/ Section 2.10	LIQUIDATED DAMAGES	If the Supplier fails to deliver/install any or all of the Goods or to perform the Services within the period(s) specified in the Contract, the Bank shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to 0.50% of the Invoice price of Goods & services for each week or part thereof of delay until actual delivery or performance, up to a	We request bank team to cap this clause @ 5% maximum.	Please adhere to the tender terms and conditions

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			maximum deduction of 10%. If the goods are not delivered/installed in time, the Bank may consider termination of the contract.		
47.	Page No. 24/ Section 2.13	TERMINATION FOR DEFAULT	--	Kindly confirm that the Bank may only terminate if at the end of the 30days Bidder is unable to remedy the breach. Further termination shall not affect our rights already accrued under the contract for payment of Goods or Services already provided before the date of termination	Please adhere to the tender terms and conditions
48.	Page No. 24/ Section 2.15	TERMINATION FOR CONVENIENCE	--	Requesting you to delete the clause	Please adhere to the tender terms and conditions
49.	Page No. 24/ Section 2.15	TERMINATION FOR CONVENIENCE	--	Kindly confirm that the Bank may only terminate if at the end of the 30days Bidder is unable to remedy the breach. Further termination shall not affect our rights already accrued under the contract for payment of Goods or Services already provided before the date of termination	Please adhere to the tender terms and conditions
50.	Page No. 24/ Section 2.15	TERMINATION FOR CONVENIENCE	--	For the purpose of clarity, we request adding the following clause in continuation to the clause on Termination for Convenience. In case of termination for convenience, Bank shall also agree to pay, at a minimum besides invoices for services availed till date of termination: (i) costs for performing or supplying deliverables as at the date of the termination notice; and (iii) costs that may be incurred by Successful	Please adhere to the tender terms and conditions

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				bidder, which it is unable to mitigate or recover.	
51.	Page No. 24/ Section 2.15	TERMINATION FOR CONVENIENCE	--	Please confirm that if AMC has already begun/will begin within 30 days of receiving notice for that particular year, the same will be paid for in Full	Please adhere to the tender terms and conditions
52.	Page No. 27/ Section 2.20	INDEMNITY CLAUSE	--	We request that provisions related to Indemnity be restricted to Third party indemnification claims arising from infringement of IPR in respect of the Services provided by Bidder	Please adhere to the tender terms and conditions. However, the clause is applicable for the goods and services provided by the bidder in the current RFP.
53.	Page-36, Part-1, Clause-1	Technical Specifications/Blade Chassis	--	Kindly confirm the revision of the clause: Supplier's aggregate liability under the contract shall be limited to a maximum of 50% the annual contract value. This limit shall not apply to third party claims for a) IP Infringement indemnity related to Bidder services. b) Bodily injury (including Death) and damage to real property and tangible property caused by Supplier's gross negligence. For the purpose for the section, contract value at any given point of time, means the aggregate value of the purchase order placed by bank on the Supplier that gave rise to claim, under this tender. Neither party shall be shall be liable for indirect, special and consequential loss and damages including but not limited to loss of profit, anticipated savings, loss of data, loss of business.	Please adhere to the tender terms and conditions

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54.	Page-36, Part-1, Clause-1	Technical Specifications/Blade Chassis	--	Please add this clause: Chassis should support aggregation of multiple enclosures to consolidate data center network connection, reduce hardware and scale network bandwidth with reduction in components simplifying fabric management at scale while consuming fewer ports at the data center aggregation layer. The proposed modules should be internal to the chassis	Please adhere to the tender terms and conditions
55.	Page-36, Part-1, Clause-1	Technical Specifications/Blade Chassis	Blade Chassis Based Solution	1. Solution Approach based on Blade Chassis is an legacy approach. We recommend Indian Bank to consider <b>integrated systems approach</b> which provides better performance, better consolidation, better integration, better availability, ease of management, better support, not only at Infrastructure layer but also at Hypervisor and VM Layer 2. Blade Server Specifications favours only few OEMs which will limit the number of OEMs participating in the RFP and hence it creates an unfair competition. We request Indian Bank to remove Blade Chassis Specifications and allow bidders to quote for latest technology based innovative solutions which can be a best fit for proposed technology stack catering to Indian Bank requirements	Presently, Bank is in process of consolidation of IT infrastructure for Intel environment due to recent amalgamation. However, such consolidation happens rarely (once in 5-6 years). Since, Bank has a clear requirement of 1000+ cores at each of the site, it is proposed go for Blade-Chassis architecture where core/memory density offered is comparatively more than the traditional rack server architecture and also offers monetary and operational savings in terms of less requirement of Ethernet and fiber ports. The hardware maintenance activities are also comparatively less complex in the proposed architecture.  Majority of the OEMs viz. Dell, HPE, Cisco etc. provide the Chassis-Blade server infrastructure. The blade server is coming with latest generation of processor and latest technology and in no way can be
56.	Page-36, Part-1, Clause-1	Technical Specifications/Blade Chassis/Form Factor	Blade Chassis to house at least 8 blade servers and maximum 14 blade servers.	Please amend the clause as "Blade Chassis or Racked Solution to house at least 25 servers Per Rack or higher with or Without Blade Chassis Including the Network and Storage	



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				Infrastructure for the Integrated System	considered as legacy systems.  In view of above, Bank has opted for the proposed architecture instead of the rack server architecture. Hence, we request you to adhere to the terms and conditions provided in the tender document.  To handle the growth due to new workloads in future may be fulfilled by procuring additional rack servers/blade servers (not restricted to any OEM) and the same will be added to the existing virtualisation environment.
57.	Page-36, Part-1, Clause-1	Technical Specifications/Blade Chassis/Form Factor	Blade Chassis to house at least 8 blade servers and maximum 14 blade servers.	Blade Chassis to house minimum of 8 blade servers or maximum of 14 blade servers	Please adhere to the tender terms and conditions. For ensuring wider participation, bank has already kept that the chassis quoted should house minimum 8 blade servers. However, an upper cap of 14 has been kept so that chassis level redundancy can be ensured
58.				Blade Chassis proposed should be of latest generation to house at least 8 blade servers to maximum 12 blade servers.	Please adhere to the tender terms and conditions
59.	Page-36, Part-1, Clause-1	Technical Specifications/Blade Chassis/ Chassis Connectivity	The Chassis must have Server Side 10/25 Gig Ethernet and 32 Gig Fiber Channel Redundant Connectivity  The Enclosure should have at least 2 Nos of redundant network switches with at least 8 x 10/25 Gig uplink ports	The Enclosure should have at least 2 Nos of redundant network switches with at least 8 x 10/25 Gig uplink ports per Module, Up-linkable to the Data Centre Switch.  The Enclosure should have at least 2 Nos. of redundant Fiber Channel switches each having	Please refer point no. 12 in amendment corrigendum.

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			per Module, Up-linkable to the Data Centre Switch.  The Enclosure should have at least 2 Nos. of redundant Fibre Channel switches each having minimum 2 external QSFP port (each having 4 ports of 32 Gbps). The fiber cable to connect the Chassis to the SAN Director has to be provided by the bidder.	minimum 2 external QSFP port (each having 4 ports of 32 Gbps). The fiber cable to connect the Chassis to the SAN Director has to be provided by the bidder.  The Chassis must have Server Side 10/25 Gig Ethernet and 32 Gig Fiber Channel Redundant Connectivity  Or Single management fabric solution can be proposed with facilitating 8x 32GB FC SAN uplinks and 8x 10G or 25G uplinks. Switch level redundancy can be achieved at site level ( On all chassis ). Server side 25G Unified ports.	
60.				Please remove the existing 3 line items and add the following in lieu of that The chassis must have redundant converged modules capable to support 100Gb per port, configured with minimum 8 *10Gb uplinks & 4*32Gbps FC uplinks per Chassis. Proposed modules should support non-blocking architecture	
61.				The Enclosure/solution should have at least 2 Nos of redundant network/converged switches with at least 8 x 10/25 Gig uplink ports per Module, Up-linkable to the Data Centre Switch.  The Enclosure/solution should have at least 2 Nos. of redundant Fiber Channel/converged switches each having minimum 2 external	





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				QSFP port (each having 4 ports of 32 Gbps). The fiber cable to connect the Chassis to the SAN Director has to be provided by the bidder	
62.				1. Integrated Systems based on Rack Server Infrastructure provides required Network Infrastructure with complete redundancy upto 100Gbps redundant Internode connectivity and upto 10/25Gbps redundant connectivity External to the Data center Network. These systems also offer 16/32Gbps redundant FC connection per each Node. 2. Hence we request to amend the clause as "The Chassis/Rack Integrated Appliance must have Server Side 25/100 Gig Ethernet and 16/32 Gig Fiber Channel redundant Connectivity"	
63.				1. Integrated Systems are built on 100 Gbps Converged Network and offer upto 100Gbps Internode east west traffic. these systems also offer 16/32Gbps redundant connections directly to your SAN Network for the North-South Data Movement. Customer may also have upto 40Gbps ISCSI based connections to Internal/ External Storage systems. 2. We request bank to amend the clause as "The Enclosure / Rack appliance should have at least 2 Nos. of redundant Fibre Channel connections per node each having minimum 16/32 Gbps Fiber channel bandwidth or upto 40Gbps ISCSI bandwidth to the Internal or External Storage. The cables required to connect to the External SAN Network should	



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				be provided by the bidder"	
64.	Page-37, Part-1, Clause-1	Technical Specifications/Blade Chassis/Ports	Chassis should support for a minimum of 1 Nos of USB 3.0 Ports or Higher	1. Integrated systems with Rack server Infrastructure provide Dedicated Management ports thru secure connections on Management servers interfacing between Compute Server and the External Network. USB port on the Chassis may lead to Security vulnerabilities. 2. OEM / Solution Specific. Please remove this clause	USB port may be required during firmware upgrade/troubleshooting activities as external USB drives/DVD drives containing data collection tools or recent firmware are to be plugged directly in Chassis. Additionally, all the major server OEMs viz. Dell, HPE, Cisco, etc. provide the said functionality. Hence, it is not OEM specific.
65.	Page-37, Part-1, Clause-1	Technical Specifications/Blade Chassis/ Midplane	Chassis should have a passive mid plane for providing connectivity of the Shared resources to the Compute Nodes in a highly Reliable Manner.	All Devices in Integrated Appliance Infrastructure are redundant and active devices and has no single point of failure. We request Indian Bank to propose No Single point of Failure for all Active components in the Solution	Please adhere to the tender terms and conditions.
66.	Page-37, Part-1, Clause-1	Technical Specifications/Blade Chassis/ Power Modules	Enclosure should be fully populated with hot pluggable power supplies of highest capacity available and supported by the Blade Enclosure. Power Supplies should support N+N as well as N+ 1 redundancy without any Performance impact on the Servers when the Blade enclosure is fully populated with all the Blade Servers (without CPU Throttling), where N should be greater than 1. PDUs to be provided by the OEM as per the requirement. Power Supplies should be the Platinum Power Supplies	Enclosure / Integrated System should have Redundant PDUs / Redundant Power supplies (N+N) with required capacity to handle the power requirements of fully configured / fully blown setup. We request Indian Bank allows us to quote with this better approach	As per Bank's tender specifications, Power supplies supporting N+N redundancy are acceptable to the Bank.

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67.	Page-37, Part-1, Clause-1	Technical Specifications/Blade Chassis/ Chassis Management Module	Solution should provide management capabilities to manage controlling Power, Fan Management, Chassis and Compute node initialization, Switch Management, Resource discovery and Inventory Management, Resource Alerts and monitoring Management, Chassis and Compute Node Power Management and Security policy management and Role-based access control. Should have Hot Pluggable & Redundant Chassis Management Modules. Support simultaneous remote access for different servers in the Enclosure	Integrated Systems don't have the concept of Chassis and hence Chassis management modules are not relevant for the solution. However, any solution should have dedicated Management Infrastructure to manage and Monitor the complete solution including compute Network and storage infrastructure of the integrated systems or Blade Solution. We request you to amend the clause as "proposed solution should have dedicated Management Infrastructure to manage and Monitor the complete solution including compute Network and storage infrastructure of the integrated systems or Blade Solution."	Please adhere to the tender terms and conditions
68.	Page-37, Part-1, Clause-1	Technical Specifications/Blade Chassis/ Support for Multiple Platform	Should provide support for multiple platforms in x86 Servers within the same enclosure	Please do clarify on this requirement in detailed	The chassis should support multiple x86 based Intel chipsets. Also, chassis should support blade servers with different processor and memory configuration.
69.	Page-37, Part-1, Clause-1	Technical Specifications/Blade Chassis/ Cooling	Chassis should be supplied with Fan Modules and all the slots for fan module should be populated.	As we are requesting for allowing Rack Integrated Systems request you to amend the clause as "All components of the solution should have sufficient cooling thru Fans or Fan Modules populated"	As Bank is not looking for Rack server architecture, the clause is not amended.
70.	Page-37, Part-1, Clause-1	Technical Specifications/Blade Chassis/ Management	Complete GUI with view of the Individual blade Chassis, multiple Chassis in a rack, blade servers, power consumption at chassis level and Blade Level. Management-Comprehensive web enabled system management tools that monitor the system health,	Each OEM has their own way of managing, monitoring and troubleshooting proposed infrastructure. Hence we request to amend the below clause "Common Management Tool with comprehensive management and monitoring capabilities for all blades/servers in the proposed solution"	The requirement is for monitoring the servers proposed to be procured with Chassis. Hence no change is proposed.

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			environment, critical action etc., With its own data engine to store Status Reports, Alerts and Error Notifications.		
71.	Page-38, Part-1, Clause-2	Technical Specifications/Blade Server/ Processor	Intel® Xeon® Platinum – 8380HL, 2.90 GHz, 38.50 MB cache, 28 Cores	Requested to amend processor model between below two -  Intel® Xeon® Platinum – 8280, 2.90 GHz, 38.50 MB cache, 28 Cores Intel® Xeon® Platinum – 6258R, 2.70 GHz, 38.50 MB cache, 28 Cores	Please refer point no. 13 in amendment corrigendum.
72.				Though Intel had launched this CPU, as of today, OEM are still in the process of adopting this CPU into their portfolio. We request you to allow bidders to quote for Cascade Lake based Platinum 24 Cores @ 2.4 GHz or above. Note: Bidders will quote the qty of servers and licenses as per the proposed solution	
73.				Intel Gold 6258R CPU (2.7 Ghz/ 28 core, 38.5 MB L3 cache)	
74.				Intel® Xeon® Platinum – 8380HL, 2.90 GHz, 38.50 MB cache, 28 Cores or Intel Xeon Platinum - 8280L, 2.7 GHz, 28 Cores or higher	
75.	Page-38, Part-1, Clause-2	Technical Specifications/Blade Server/ DIMM Slots	16 or Higher	24 DIMM slots	Please adhere to the tender terms and conditions
76.	Page-38, Part-1, Clause-2	Technical Specifications/Blade Server/ Memory Configuration	The System has to be supplied with at least 1024 GB RDIMM/LRDIMM (operating @2400 MHz or higher) using 64 GB DDR4 Modules	The System has to be supplied with at least 1024 GB RDIMM/LRDIMM (operating @2933 MHz or higher) using 64 GB RDIMM Modules	Please adhere to the tender terms and conditions
77.				The System has to be supplied with at least 1024 GB RDIMM/LRDIMM (operating @2400	Please adhere to the tender terms and conditions

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				MHz or higher) using 64 GB DDR4 Modules. Please add the following clause: It should support Intel Persistent Memory	
78.	Page-38, Part-1, Clause-2	Technical Specifications/Blade Server/ SCSI Controllers	Integrated Hardware RAID Controller to supports RAID 0, 1.	Integrated Hardware RAID Controller to supports RAID 0, 1. Optional if M.2 SSDs offered with RAID 1	Please adhere to the tender terms and conditions
79.	Page-38, Part-1, Clause-2	Technical Specifications/Blade Server/ Disk Drives	2 x 480 GB, 12 Gbps hot-plug SSD Disk Drive	2 x 480 GB, 12 Gbps hot-plug SSD Disk Drive or 2 x M.2 SSDs with RAID 1	Please refer point no. 14 in amendment corrigendum.
80.				OEM Specific Clause. We request Indian Bank to amend this clause as "2 x 1.2 TB 12 Gbps hot-plug SAS Disk Drive	
81.				Please amend as follows 2 x 480 GB 6Gbps hot-plug SSD Disk Drive	
82.	Page-38, Part-1, Clause-2	Technical Specifications/Blade Server/ Ethernet Adapter & Fiber Channel HBA Connectivity	Server should be configured with redundant Fiber (32 Gbps) & Ethernet port (10/25 Gig) with support for load balancing & failover. Additional NIC dedicated for Remote Management. There should be scope, in case Bank decides to increase the NIC/Fiber ports per blade / chassis.	Server should be configured with redundant Fiber (32 Gbps) & Ethernet port (10/25 Gig) with support for load balancing & failover. Additional interface for Remote Management. There should be scope, in case Bank decides to increase the NIC/Fiber ports per blade / chassis.	Please refer point no. 15 in amendment corrigendum.
83.				the proposed Integrated Sytems solution is better with redundant 100 Gbps Connectivity for Networking and internal Storage Redudant 16/32 Gbps FC ports. hence we request Indian Bank to amend the clause as "Server should be configured with redundant Fiber (32 Gbps) & Ethernet port (10/25 Gig) or higher with support for load balancing & failover"	It is clarified that any higher configuration is accepted.
84.				Please amend the clause as follows The server should provide minimum of 40 Gbps of bandwidth with Converged network	Please adhere to the tender terms and conditions. Additionally, Please refer point no. 14 in amendment corrigendum.



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				adapter dual port card	
85.	Page-38, Part-1, Clause-2	Technical Specifications/Blade Server/ Ports	At least One (1) USB 3.0 connector or higher for security key devices and USB drive keys	OEM / Solution Specific. Please remove this clause	It is clarified that even the USB port available with Chassis can be mapped to blade servers.
86.	Page-38, Part-1, Clause-2	Technical Specifications/Blade Server/ Expansion Slots	Minimum of 2 PCI-e based x8/x16 slots supporting Ethernet/FC adapters	Please amend the clause as follows Minimum of 3 PCI-e based x16 slots supporting Converged/ Ethernet/FC adapters	Please refer point no. 16 in amendment corrigendum.
87.				Requested to remove this clause as it is not relevant for current request blade architecture	
88.	Page-39, Part-1, Clause-2	Technical Specifications/Blade Server/ OS Support	Windows Server 2016 or Latest Windows Server Operating System, SUSE Enterprise Linux 10 and Higher, RHEL Linux 7 and higher, VMWARE ESXi latest edition	1. Since the RFP asks for Virtualised Solution, OS Support for bare metal blade server / node is unnecessary. 2. Requesting for VMware is OEM Specific and creates a unfair competition. Hence we request to allow bidders to quote for equivalent "Enterprise level Hypervisors compatible to host the Windows Server 2016 or Latest Windows Server Operating System, SUSE Enterprise Linux 10 and Higher, RHEL Linux 7 and higher"	Bank has already made considerable investment in the current virtualization technology provider, thus will continue with the same technology and procure additional licenses for fulfilling the requirement. Additionally, multiple existing servers are being disposed off by the Bank due to ageing and the SW licenses mapped to those servers are being reutilised. The adoption of new virtualisation technology will force Bank to pay additional cost.
89.	Page-39, Part-1, Clause-3	Technical Specifications/Rack Server/ Processor	Intel® Xeon® Gold –5215 2.50 GHz, 13.75 MB cache, HT, 10 Cores	We don't have 10 Core 2.5 GHz CPU. Please allow us to quote with intel Xeon Gold 16 Core @ 2.3 GHz CPU	Any increase in no. of physical CPUs will in turn increase all the Software licenses cost associated with this server. Hence, the same is not accepted.
90.	Page-40, Part-1, Clause-3	Technical Specifications/Rack Server/ HDD Required	The System should be supplied with 2 nos. of 600 GB SAS 12gbps and should be configured in RAID 10 with hot spare	600 GB HDDs are older generation and industry had adopted 1.2 TB and above as standard HDDs. We request you to allow to quote for higher HDDs and amend the clause as "The System should be supplied with 2 nos.	Please adhere to the tender terms and conditions

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				of 600 GB SAS 12gbps or higher and should be configured in RAID 10 with hot spare"	
91.				The System should be supplied with 2 nos. of 600 GB SAS 12gbps and should be configured in RAID 1	Please refer point no. 17 in amendment corrigendum.
92.	Page-40, Part-1, Clause-3	Technical Specifications/Rack Server/ PCI Slot Compatibility	6 PCI-Express 3.0 Slots or Higher.	6 PCIe Slots will force bidder to quote for 2RU Rack Server, whereas required configuration can be supported by 1 RU based Server. We request Indian Bank to amend this clause as "4 PCI-Express 3.0 Slots or Higher"	The PCIe slots are proposed so as to take care of the future expansion needs.
93.	Page-40, Part-1, Clause-3	Technical Specifications/Rack Server/ Network	2 nos. of 10/25 Gig dual port Ethernet card with Trans-receiver and 5 m FCoE cables	We understand that here FCoE means Fiber Cable for Ethernet connectivity and not FCoE technology/protocol. Please clarify	Yes FCoE means Fiber Cable for Ethernet Connectivity
94.	Page-40, Part-1, Clause-3	Technical Specifications/Rack Server/ Ports	4 or more USB 2.0/3.0 Ports to be supported	4 USB ports for a Server is unprecedented for Enterprise class server requirement. We request you to please change it to 2 USB Ports	Please adhere to the tender terms and conditions
95.	Page-40, Part-1, Clause-3	Technical Specifications/Rack Server/ OS Support	Windows Server 2016 or Latest Windows Server Operating System, SUSE Enterprise Linux 10 and Higher, RHEL Linux 7 and higher, VMWARE ESXi latest edition	We request Indian Bank to ask/specify the operating System certification which is required to run the proposed workloads. We don't support Suse Linux and RHEL on baremetal.	Please adhere to the tender terms and conditions as the servers may be utilized for application running of any of the said OS.
96.	Page-40, Part-1, Clause-3	Technical Specifications/Rack	Rack should be same make as that of Chassis/server make i.e. OEM make	We request you to remove this clause. As it is limiting us to offer core components requested	Please refer point no. 19 in amendment corrigendum.
97.				Request to remove this point	
98.	Page-40, Part-1, Clause-3	Technical Specifications/Rack	One number Earthing Kit, One number Cable Manager Horizontal 1U	One number Earthing Kit, One number Cable Manager Horizontal 1U or Self grounding rack	Please refer point no. 20 in amendment corrigendum.
99.	Page-40, Part-1, Clause-3	Technical Specifications/Rack	Copper based Electrical Grounding / Earthing Strip	We request you to remove this clause.	Please refer point no. 21 in amendment corrigendum.
100.	Page-40, Part-1, Clause-3	Technical Specifications/Rack	The bidder should provide 4 (four) nos. of Power Distribution Units (PDU) - PDU	The bidder should provide 4 (four) nos. of Power Distribution Units (PDU) - PDU should	Please refer point no. 22 in amendment corrigendum.





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			should have a 32A MCB, a neon Indicator, 8 x IEC C13 Sockets (5 A / 15 A) and at least 3.0 meter cable for connection to the external power source	have a 32A MCB, a neon Indicator, 8 x IEC C13 Sockets (5 A / 15 A)  Or  Bidder should provide a minimum of 16 x IEC 13 or IEC 19 sockets per PDU. Two PDUs per the rack. Required sockets selection should be basis on solution requirement and at least 3.0 meter cable for connection to the external power source.	
101.	Page-40, Part-1, Clause-3	Technical Specifications/Rack	Compliance to EIA-310-D standard	Compliance to EIA-310-D standard Or EIA-310-E Standard	Please refer point no. 23 in amendment corrigendum.
102.	Page-40, Part-1, Clause-3	Technical Specifications/Rack	--	We request you to confirm available voltage at Distribution Units. (3 Phase or Single Phase.)	Vendor will be allowed for a site survey, after being found qualified against the terms and conditions of the tender
103.	Page-40, Part-1, Clause-3	Technical Specifications/Software Bill of Materials	vCloud Suite standard with 6 years ATS	1. OEM Specific Clause. RFP is favouring only one OEM and hence its creates a unfair competition leading to unfair commercial advantage to specific OEM which may result in additional investment for Indian Bank. Allowing all Enterprise Class private Cloud solutions which can host the required OS Support (Windows, Suse, Redhat, Oracle Linux etc) will lead to better TCO. 2.the proposed solution should come bundled with Server Nodes, Internal Storage, 100 Gbps Converged Network with Software defined capabilities, Private Cloud orchestration and management (IaaS with Self Service Capabilities), Virtualisation Software Suite, Management solution Suite (Complete	Please adhere to the tender terms and conditions. Bank has already made considerable investment in the current virtualization technology provider, thus will continue with the same technology and procure additional licenses for fulfilling the requirement. Additionally, multiple existing servers are being disposed off by the Bank due to ageing and the SW licenses mapped to those servers are being reutilised. The adoption of new virtualisation technology will force Bank to pay additional cost.
104.			SRM Enterprise with 6 years ATS		
105.			SRM Standard to Enterprise upgradation with 6 years ATS		
106.			Upgradation of vSphere 6 standard to vCloud Suite Standard with 6 years ATS*		
107.			Upgradation of vSphere with Operations Management Enterprise Plus to vCloud Suite Standard with 6 years ATS*		



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				Hardware & Software Stack), DR Automation Solution Suite, Dockers based Containers solution, tools to migrate VMware to proposed virtualisation solution etc. 3. proposed solution should save costs in CAPEX and OPEX for Indian bank for hosting the same infrastructure when compared to Specific OEM solution (VMWare) we Request Bank to consider the above Functionalities and software capabilities instead of Specifying the OEM Specific Software Bill of material	
108.	Page-40, Part-1, Clause-3	Technical Specifications/Software Bill of Materials	ATS	Needs to be changed to Production SnS 24X7 Support for all products	Yes, 24X7 Support required for all products
109.	Page-40, Part-1, Clause-3	Technical Specifications/Software Bill of Materials	Upgradation of vSphere with Operations Management Enterprise Plus to vCloud Suite Standard with 6 years ATS*	Needs to change to Upgradation of vSphere enterprise plus to vCloud Suite Standard since vSphere with Operations Management Enterprise Plus is EOL now and the products have automatically split into. vSphere ent+ and VROPS standard. The straightforward upgrade path is vSphere enterprise plus to vCloud Suite Standard	Please adhere to the tender terms and conditions
110.	Page-40, Part-1, Clause-3	Technical Specifications/Software Bill of Materials	--	Need clarity of scope & scale expected from VMware PSO wrt implementation, upgrades, migrations. Requirements of customizations etc.	The architecting, designing, deployment activities for consolidation/migration of Intel workloads has to be performed by the System Integrator. However, VMware Technical Account Manager may be consulted for review of the proposed plan for migration/consolidation. Further VMware Technical Account Manager should be involved for reviewing the

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					activities during migration/consolidation phase.
111.	Page-47, Part-2, Clause-3	Commercial Bid/Service from VMware	Format	This should be changed to VMware TAM service	Please refer point no. 1 in amendment corrigendum
112.	Page-47, Part-2, Clause-4	Commercial Bid/Summary	Format	What is IService?	The same may be read as "Services"
113.	Page-63, Annexure-VIII	MANUFACTURERS' AUTHORIZATION FORM	Format	Request to add bidder not to quote for the products which has been already declared end of sale or to be declared end of sale in next 36 months	Please adhere to the tender terms and conditions
114.	Page-69, Annexure-X	CHECKLIST FOR DOCUMENTS TO BE SUBMITTED BY THE BIDDER	The bidder should be an Authorized reseller of Hardware, Microsoft, VMware and Arcserve for supplying license and authorized by OEMs to quote for this project. Copy of partnership certificate from OEM.	Requesting You to modify the clause as " Copy of partnership certificate from OEM or Authorization letter from OEM .	Please adhere to the tender terms and conditions
115.	--	--	Additional Queries	SAN Storage is not part of the RFP so asked blade chassis and servers will connect to existing SAN storage using SAN switches asked in Blade chassis so please share details of existing SAN storage(Make, Model, Connectivity etc) which will be connected to the asked infra in this RFP	The details will be shared with bidders found qualified after bid evaluation
116.	--	--	Additional Queries	Is storage configuration also part of scope? Will Volumes/LUNs be available from Bank to mount to VMs which will get migrated or created on new proposed Infra <b>OR</b> bidder has to reconfigure the existing storage to create Volumes/LUNs and mount it to VMs?	Storage configuration is not in the scope of the bidder.

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117.	--	--	Additional Queries	For Proposed Vmware Suite and Arcserve Backup solution, Infra/Compute/Storage is not mentioned in the RFP to run Management consoles. So please confirm that the same infra will be provided by Bank or Bidder has to arrange hardware to deploy proposed VMware/Arcserve Solution as Management nodes?	The Rack servers proposed in the RFP are for hosting Arc Serve Backup solution. The IT Infrastructure requirement for hosting Vmware Management tools has been factored in the proposed solution by bank.
118.	--	--	Additional Queries	Reconfiguration scope of of existing infra is not mentioned in RFP so please share the same	The details will be shared with bidders found qualified after bid evaluation
119.	--	--	Additional Queries	Detailed Scope for Vmware cloud implementation, Vmware SRM implementation and Arcserve Backup software is not mentioned clearly so please specify the same	The details will be shared with bidders found qualified after bid evaluation
120.	--	--	Additional Queries	Please share passive cable length required to connect new rack components with existing rack components (From new proposed servers to existing switches) so the bidder can accommodate OR <b>allow bidder to do site survey to understand the passive cabling work</b>	The bidders whose bids are found qualified against the terms and conditions of the tender will be provided an opportunity to visit bank's Data Center and DR Site for understanding the passive cabling work.
121.	--	--	Additional Queries	Is the customer will share power load details as per existing UPS installed on both sites? Please confirm	Rated power for the equipment has to be provided by the bidder.
122.	--	--	Additional Queries	Please share bandwidth details between old and new sites where replication is required. Also share total data size which will get migrated as per the scope.	The details will be shared with bidders found qualified after bid evaluation

