

**DEPARTMENT OF INFORMATION TECHNOLOGY
CORPORATE OFFICE**

2nd Floor, Commercial Complex, National Games Village
Koramangala, Bengaluru – 560 047
Tel: 080-25705785, EPABX: 25705825-27
Fax: 25705800, 25705790



Ref. No: LT 42315/CO: DIT/Clarifications-RFP- 285- Blade Servers/sra

Date: 05/01/2019

To,
All participating Bidders.

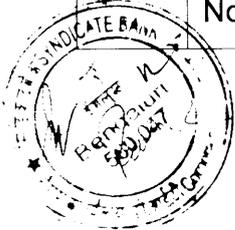
Sub: Clarifications/Modifications for RFP 285 - for Supply, Installation, Commissioning and Maintenance of Blade servers with adequate number of chassis / enclosures, along with required storage, software licenses with 3 years AMC after Warranty period of 3 years for Data Centre, Mumbai and DR Site at Bangalore.

Ref No.: RFP 285/CO: DIT/Blade_Server Date: 05/12/2018

Sl. No.	Clause No & Page No	RFP Terms	Bidders Request Clarifications and Amendments	Banks reply
1	Schedule of requirements - Mandatory Items/ Page 4	vi. Windows 2012 R2 Datacentre Edition OS License (64 bit) & Red Hat Linux Enterprise Server to run 10 Virtual Servers at each site (Alternatively, bidder may propose virtualisation software licenses capable of supporting 70 Virtual servers and 98 Virtual servers at DC and DRS locations respectively with windows 2012 R2 standard edition licenses for the virtual machines & 10 Virtual servers and 14 Virtual servers at each site with Red Hat Linux Operating system)	<p>Please specify the underline virtualization software of all servers. Confirm on no. of windows 2012 R2 and RHEL enterprise licenses required</p> <p>Need more clarity on the statement. Does it mean the Bidder can propose only the Virtualization software instead of Windows and RHEL OS if the virtualization software supports the mentioned criteria of supporting required number of Virtual servers. If Bidder is supplying Windows and RedHat Operating system licenses, do we also need to include Software assurance for 6 years period.</p>	<p>- Bidder can propose either of the option:</p> <p>1) For Windows 2012 R2 Datacenter edition a) 10 DC and 14 DRS Windows 2012 R2 Datacenter edition b) 10 DC and 14 DRS RHEL OS</p> <p>2) For virtualization software a) 70 DC and 98 DRS Windows 2012 R2 Standard Edition b) 10 DC and 14 DRS RHEL OS</p>



			<p>1. Please be noted Windows 2012 R2 is no longer available and the present version of OS is windows 2019.</p> <p>2. Why both Windows and Redhat OS are required ?</p> <p>3. Please Clarify per physical server how many virtual instances will be created ?</p> <p>4. Please give the clear break up of No. of VM server in each Blade server?</p> <p>5. How many VM's to be created with windows and redhat?</p> <p>6. Please clarify if there any migration of App and DB to be done?</p> <p>Please clarify the licenses need to supply or available with bank also with regards to the datacenter edition Window 2012 is end of life. Are you looking for the windows and linux license as an OS for the virtual machine?</p>	<p>- Windows 2012 OS is required for solution</p> <p>- Both Windows and RHEL is required for VM, which may depend on application requirement</p> <p>- Total number of VMs required for solution is already mentioned above</p> <p>- Application and database migration is not in scope for this solution</p> <p>- Application used by bank is qualified to work with Windows 2012 OS.</p>
2	Clause 1 Background, Page 4.	The Bank intends to procure Blade Servers for its Data Centre, Mumbai and DR-site Bangalore for various critical applications.	Please share the complete postal address of DC and DR site.	Details will be provided to successful bidders
3	Schedule of requirements - Mandatory Items/ Page 5	Centralized virtual machine management software for above virtualization which should cater to minimum of 15 Blade Servers (With DR Support during fail over) as per Technical Specifications mentioned in Annexure –I	It is advised to have dedicated Virtual management software at both DC and DR location.	Virtual management software should be provided for both DC and DR locations but should manage blade servers centrally at respective location
4	Note 6, Page No. 5	6. Bidder may propose lesser number of cores per blade. However, the total number of	Please share the clarity on number of processors and respective cores per processor	Bidder may propose lesser or higher number of cores per blade.



		cores shall be 440 Processors (dual core) or more with 5120 GB Memory or more at DC and 616 Processors (dual core) or more with 7168 GB Memory or more at DRS by increasing the number of blades (will be considered as 10 units at DC and 14 units at DRS only)		However, the total number of cores shall be 440 Processors (dual core) or more with 5120 GB Memory or more at DC and 616 Processors (dual core) or more with 7168 GB Memory or more at DRS by increasing/decreasing the number of blades (will be considered as 10 units at DC and 14 units at DRS only)
5	Eligibility Criteria 2 /Page No 5	The Bidder should be a profit making company and should have earned Net profit in at least one out of three preceding Financial Years and Operating profit during remaining Financial years as per the audited Financial Statements and having Net worth of ₹04.00 Crore.	The Bidder should be a profit-making company and should have earned Net profit in at least one out of three preceding Financial Years and Operating profit during remaining Financial years as per the audited Financial Statements	RFP Terms stands
6	Eligibility Criteria 3 /Page No 5	The bidder should have an average turnover of at least ₹08.00 Crore during the last 3 financial years.	The bidder should have an average turnover of at least 05.00 Crore during the last 3 financial years.	RFP Terms stands
7	Eligibility Criteria 5 /Page No 6	Bidder should have supplied at least 15 nos. of the model offered or immediate previous or equivalent model to any Public Sector Bank/ PSU/ Financial Institution/Govt. Departments	1. We request Bank to amend the term as follows Bidder/OEM should have supplied at least 15 no's of the model offered or immediate previous , rack servers to any Public Sector Bank/PSU/Financial	1, 2, 3, 5, 6, 7: RFP Terms stand 4. The reference is for the Blade servers model



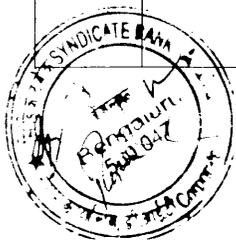
		<p>during last three years put together.</p>	<p>Institution/Govt department during last 3 years put together.</p> <ol style="list-style-type: none"> 2. We request Bank to amend the term as follows Bidder/OEM should have supplied at least 15 no's of the model offered or immediate previous , rack servers to any Public Sector Bank/PSU/Financial Institution/Govt. department during last 3 years put together. 3. We request the Bank to modify the clause and allow the bidder to show references of any servers (make and model) implemented in the last 3 years. 4. We understand that it is for 15 numbers of blade servers. 5. a. Request you to make it OEM/Bidder for the said criteria. b. or Request you to change it as any server model of 15 Qty. instead of same model or immediate previous. 6. Bidder/OEM should have supplied at least 15 nos. of the model offered or immediate previous or equivalent model to any Public Sector Bank/ PSU/ Financial Institution/Govt. Departments during last three years put together. 7. We request the bank to amend this clause as multiple OEM blade chasi solution to Bank. As we are large SI we represent multiple Compute OEM such as DELL,HP, Lenevo and have supplied their solution based on the most competitive 	
--	--	--	--	--



			<p>solution as per requirement. Thus please consider our submission of multiple OEM blade chasi solution to Bank.</p>	
8	<p>Eligibility Criteria 6 /Page No 6</p>	<p>OEM should have supplied at least 15 nos. of the model offered or immediate previous to any Public Sector Bank/ PSU/ Financial Institution/Govt. Departments during last three years put together.</p>	<p>Clarification on 15 no's supply criteria</p> <p>Clarification on 15 nos. of blade servers supplied or combinations of everything?</p> <p>REMOVE, Since Previous Point Combines both bidder and OEM</p> <p>Request the bank to help us understand why the same Model need to be supplied. Is there any dependency on existing specific OEM blade chasi currently installed at bank and we need to offer integration to the new blade solution being purchased.</p>	<p>RFP Terms is clear and stands. The offered model is in reference to Blade server.</p>
9	<p>4) Scope of Work a. Delivery, Installation and maintenance Pg No. 7, ii.</p>	<p>ii. The bidder is responsible for supply and delivery, transportation, transit insurance, storage and installation, insurance up to acceptance by the bank, installation and commissioning of solution at sites including integration, acceptance testing, documentation, warranty, annual maintenance.</p>	<p>Since Title of ownership of goods supplied under this contract will be passed on to the Bank on delivery of goods at the site, Insurance can be provided till the goods are delivered at the Bank's premises.</p> <p>OEM/Vendor are also responsible to delivery of all the equipment as per RFP. Kindly change to The bidder/OEM is responsible for supply and delivery, transportation, transit insurance, storage and installation, insurance up to acceptance by the bank, installation and commissioning of solution at sites including integration, acceptance testing, documentation, warranty, annual :maintenance.</p>	<p>RFP Term Stands</p>



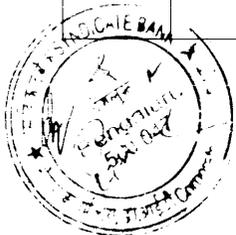
10	4) Scope of Work a. Delivery, Installation and maintenance Pg No. 8, vi.	vi. The bidder has to configure the virtualization software with full features as per the requirement of the Bank and also provide on-site support during the Contract Period.	Please specify the virtualization software with quantity	Virtualization software should be of enterprise class and should cater compute and storage mentioned in RFP
11	4) Scope of Work a. Delivery, Installation and maintenance Pg No. 8, ix.	ix. If any particular Hardware is becoming out of order for technical reasons for more than three times in a month and for two consecutive months, the Bank may ask the bidder to replace the hardware and bidder should replace the same with another new hardware at no additional cost to the Bank.	Warranty is provided by the OEM it is OEM responsibility to change/replace the out of order hardware, Bidder may provide the labour support, but the hardware replacement should be done by OEM. Kindly change the clause to If any particular Hardware is becoming out of order for technical reasons for more than three times in a month and for two consecutive months, the Bank may ask the bidder/OEM to replace the hardware and bidder should replace the same with another new hardware at no additional cost to the Bank.	RFP Term stands
12	4) Scope of Work a. Delivery, Installation and maintenance Pg No. 8, x.	x. Bidder shall conduct preventive maintenance (including but not limited to inspection, testing, satisfactory execution of all diagnostics, cleaning and removal of dust and dirt from the interior and exterior of the Equipment and necessary repairing of the Equipment) at such intervals (minimum once in a quarter) as may be necessary from time to time to ensure that the equipment is in efficient running condition so	The Datacenter where the IT equipment are hosted has to be a controlled environment and dust free. Any Electro static charges during cleaning and removal of dust and dirt from the interior and exterior of the Equipment can cause the electronics inside the servers to malfunction.	RFP Term is clear



		as to ensure trouble free functioning.		
13	4) Scope of Work a. Delivery, Installation and maintenance Page No. 8, xv.	xv. Support be made available at call within one hour during warranty & AMC period.	Request department to provide at least 3 hours' time to support during warranty and AMC period	RFP Terms stand
14	b. Warranty and AMC Page No 8 & 9, i. ii.	i. The Products supplied by the bidder shall carry minimum 36 months Comprehensive on-site warranty covering total equipment from the date of installation. The bidder shall provide 36 months onsite comprehensive AMC post the warranty period. Warranty and AMC terms & conditions shall cover the total equipment, including spare replacements along with OS, system software, licenses etc. procured from the bidder, with maintenance (Minimum 24/7 support) by FAX, email, and telephone and onsite support, if any. Warranty and AMC terms shall also cover the task of configuring/re-configuring operating system/ software, other hardware/software resources, Operating System Hardening, Loading of the other system software procured either from the bidder or any other vendor, Hard	We request to provide confirm PO for 6 year to freeze prices for 4th, 5th & 6th year. In absence of confirm PO for 6 year, Bidder shall not be bound to provide support at the same price and T&Cs. Prices and terms & condition will be subject to revision and shall be mutually agreed after 3 year of comprehensive warranty" Since Bidder is not an OEM, warranties will be passed as received from OEM. Warranty shall start from the date of delivery as; Bidder will "pass-through" any and all warranties and indemnities received from the OEM or licensor of the products and, to the extent, granted by such OEM or licensor, the Customer shall be the beneficiary of such manufacturer's or licensor's warranties and indemnities. Further, it is clarified that Bidder shall not provide any additional warranties and indemnities with respect such products Request to remove or provide details of other hardware/software. Loading of the other system software procured from any other	RFP Term is Clear RFP Term is clear RFP Term stands



		<p>Disk Configuration, Performance tuning, Loading & configuring operating system updates, integrating with the other hardware procured by the bank and any other tasks related to Hardware & System Software Management.</p> <p>ii. In the case of authorized/ channel partners, Warranty shall also include the cost for the back to back arrangement with OEM for maintenance of spares, providing support services, updates, if any required. Terms of Service Level Agreement, if any, are to be specified.</p>	<p>vendor. Integrating with the other hardware procured by the bank.</p>	
<p>15</p>	<p>Warranty and AMC Page 9 , ii</p>	<p>ii. In the case of authorized/ channel partners, Warranty shall also include the cost for the back to back arrangement with OEM for maintenance of spares, providing support services, updates, if any required. Terms of Service Level Agreement, if any, are to be specified.</p>	<p>Amendment Required as follows In the case of authorized/ channel partners, Warranty and AMC shall also include the cost for the back to back arrangement with OEM for maintenance of spares, providing support services, updates, if any required. Terms of Service Level Agreement, if any, are to be specified.</p>	<p>RFP term is modified as: ii. In the case of authorized/ channel partners, Warranty and AMC shall also include the cost for the back to back arrangement with OEM for maintenance of spares, providing support services, updates, if any required. Terms of Service Level Agreement, if any, are to be specified.</p>



<p>16</p>	<p>Payment Terms, Clause 5 Page 10</p>	<p>Payment Terms i) First instalment of Seventy (70) % of the Contract price of the goods along with 100% applicable taxes, shall be paid on delivery and successful installation and commissioning and upon submission of the following documents: ... ii) Final instalment of Thirty (30) % of the Contract Price of the Goods shall be paid 30 days after successful working and upon submission of the following documents.</p>	<p>We request below payment terms: i) First instalment of Eighty (80) % of the Contract price of goods along with 100% applicable taxes, shall be paid on delivery at Bank's site. li) Second instalment of Ten (10) % of the Contract price of the goods along with 100% applicable taxes, shall be paid on successful installation and commissioning ii) Final instalment of Ten (10) % of the Contract price of the goods shall be paid 30 days after successful working.</p> <p>Request Bank to consider and release 80% of the contract value along with 100% applicable taxes against supply and commissioning. Request Bank to consider and release 20% of the Contract Price after 30 days of successful working and upon submission of the following documents.</p> <p>First instalment of Eighty (80) % of the Contract price of the goods along with 100% applicable taxes, shall be paid on delivery and successful installation and commissioning and upon submission of the following documents... Final instalment of Twenty (20) % of the Contract Price of the Goods shall be paid 30 days after successful working and upon submission of the following documents. First Installment 90%, Final Installment 10%.</p>	<p>RFP Terms stand</p>
-----------	--	--	---	------------------------



			<p>Request you to make payment of 90% of the contract price of the goods against supply and installation. Please provide more details on commissioning word however we request you to remove the word from the clause since it creates issues at the time of providing signoff and payments release.</p> <p>Requesting to change: (i)70% on delivery of all the products with documents proof;(ii)30% after completion of installation and commissioning with 30 days working period.</p>	
17	Payment Terms, Clause 5 Page 10	Payment Terms:	<p>Please clarify Acceptance criteria for releasing Payment.</p> <p>We request that "Products/Services and/or deliverables shall be deemed to be fully and finally accepted by the bank in the event when Bank has not submitted its acceptance or rejection response in writing to bidder within 15 days from the date of installation/commissioning or when Bank uses the Deliverable in its business, whichever occurs earlier. It is further clarified that any payment linked with acceptance will be released by the Bank"</p>	RFP Terms stand
18	Delivery Period, Page 11	<p>6) Delivery Period:</p> <p>The Bank reserves the right to stagger the deliveries depending upon the readiness of sites at locations. The Selected Bidder shall inform the readiness of the Servers for the purpose of pre-</p>	<p>1 . Need more clarity on Stagger delivery part of it. if it is required it should clearly mentioned in the PO and it cannot go beyond 1 month for complete material delivery. Please clarify in detail Pre-shipment testing?</p> <p>2 .It is difficult to make it server operational</p>	<p>1.RFP Terms stand. With regards to testing, it shall be post-delivery inspection.</p> <p>RFP Terms is modified as:</p>

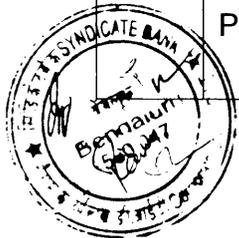


		<p>shipment testing in writing well in advance.</p> <p>The Servers should be made operational within 6 weeks from the date of acceptance of work order/ s. In case of delivery of Equipment to States where Road Permit is required for transportation of goods, it is the responsibility of Bidders to provide the same making all the arrangements required in advance. However, Bank will provide any letter, if required by the Bidders for carrying out the task.</p> <p>The Bank reserves the right for inspection of Servers either Pre or Post-delivery.</p>	<p>within 6 weeks since server delivery itself will take so much of time hence request you to provide at least 10 weeks of duration to make it operational basis genuine reason.</p> <p>We request to increase the timeline as: The Servers should be made operational within 8-10weeks from the date of acceptance of work order/ s. In case of delivery of Equipment to States where Road Permit is required for transportation of goods, it is the responsibility of Bidders to provide the same making all the arrangements required in advance. However, Bank will provide any letter, if required by the Bidders for carrying out the task.</p> <p>Request Bank to provide minimum 8 weeks delivery time from the date of acceptance of work order.</p> <p>Please amend it to the date of delivery, Site readiness and Delivery for the hardware will take 6 weeks and to do power on we request for additional 2 weeks considering site readiness.</p> <p>Requesting to change: 10-12 weeks for completion of the project for the operational.</p>	<p>"....The Servers should be made operational within 8 weeks from the date of acceptance of work order/ s...."</p>
<p>19</p> 	<p>Clause 8, Page No. 11, Tripartite Agreement</p>	<p>Selected Bidder and OEM(s) shall enter into Tripartite Agreement with Bank within Fifteen (15) Days from the acceptance of the</p>	<p>Since the format of the Agreement is not shared prior to submission of RFP, it will be onerous on the Bidder to agree to the same upfront. Kindly remove the 7 days' deadline</p>	<p>The RFP Term is modified as: "..Selected Bidder and</p>

		<p>Purchase Order. The format of the Tripartite Agreement shall be shared with the selected bidder along with PO.</p> <p>The SI, OEM and bank has to enter into a tripartite agreement for Service Support as per the terms and conditions of the RFP and covering the scope of work and technical requirements.</p>	<p>for execution of the Tripartite Agreement. Bidder will agree to the Agreement format subject to mutual discussion and adherence to agreed terms of RFP.</p> <p>Request you to provide the content involved in the agreement for our legal to validate.</p>	<p>OEM(s) shall enter into Tripartite Agreement with Bank within Fifteen (15) Days from the date of receiving the agreement format by the selected bidder..."</p>
<p>20</p>	<p>6) Delivery Period:Page 11</p>	<p>The Servers should be made operational within 6 weeks from the date of acceptance of work order/ s. In case of delivery of Equipment to States where Road Permit is required for transportation of goods, it is the responsibility of Bidders to provide the same making all the arrangements required in advance. However, Bank will provide any letter, if required by the Bidders for carrying out the task.</p>	<p>Request amendment as follows The Servers should be made operational within 8 weeks from the date of delivery and issue of acceptance of work orders to carry out installation activity. In case of delivery of Equipment to States where Road Permit is required for transportation of goods, it is the responsibility of Bidders to provide the same making all the arrangements required in advance. However, Bank will provide any letter, if required by the Bidders for carrying out the task.</p> <p>We understand that bank will provide 8 weeks for supply and delivery of the BOM, and post-delivery bank will issue work order to carry out installation and commissioning? kindly confirm on our understanding</p> <p>Request Bank to change it to : The Servers should be made operational within 8 weeks from the date of acceptance of work order/ s.</p>	<p>Please refer point 18</p>



21	Liquidated Damages, Page 11	For any delay, over and above time lines from the date of acceptance of Purchase Order, LD @ 0.5% per week subject to a maximum of 10% contract value with applicable GST on LD amount will be levied and recovered from the final payment due. GST applicable to LD amount shall also be recovered.	Request Bank to consider maximum penalty cap of 5%. Request you to limit the Maximum percentage to 5%. Request bank to change it to: Liquidated Damages at the rate of 5% per annum of the PBG amount shall be levied for the delayed period in submitting PBG. 18% GST shall be applicable on penalties, LDs, etc. Request Bank to change it to: For any delay, over and above time lines from the date of acceptance of Purchase Order, LD @ 0.2% per week subject to a maximum of 5% contract value with applicable GST on LD amount will be levied and recovered from the final payment due. GST applicable to LD amount shall also be recovered.	RFP Terms stand
22	9) Service Level Agreements (SLAs), Page 11	Penalty for not maintaining of Uptime of 99.50% will be ₹1,000/- for every 0.01% deviation.	Request Bank to reduce ₹ 200/- penalty for not maintaining of uptime of 99.50% for every 0.01% deviation	RFP Term Stands
23	Blade Server and Storage Maintenance: Page 12	On lodgment of complaint, service should be provided and rectification of reported problem within two hour from the time of reporting the complaint. In case of failure of the selected bidder, Bank will levy a penalty of ₹500/-	Request Amendment on the following clause On lodgment of complaint, service should be provided and rectification of reported problem within two hour from the time of reporting the complaint. In case of failure of the selected bidder, Bank will levy a penalty of 500/- per day per unit each time for such failure in	RFP Term is modified as: "On lodgment of complaint, response should be provided within 2 hours and rectification of reported problem within 48



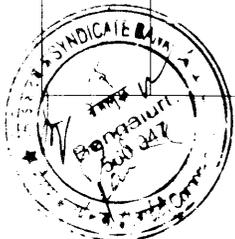
		<p>per day per unit each time for such failure in addition to Uptime Penalty as mentioned above, subject to a maximum of 10% of the contract value.</p>	<p>addition to Uptime Penalty as mentioned above, subject to a maximum of 5% of the contract value.</p> <p>2Hr can be response time and not the resolution time. Bank to change the clause.</p> <p>Request Bank to change the penalty clause: On lodgment of complaint, service should be provided and rectification of reported problem within two hour from the time of reporting the complaint. In case of failure of the selected bidder, Bank will levy a penalty of ₹200/- per day per unit each time for such failure in addition to Uptime Penalty as mentioned above, subject to a maximum of 5% of the contract value.</p> <p>The issue or reported problem cannot be addressed within two hours but within two hours response can be done. Resolution is directly proportion to the severity of the problem. Industry standard response time is 4 hours, hence request you to amend the wordings accordingly.</p>	<p>hours from the time of reporting the complaint. In case of failure of the selected bidder, Bank will levy a penalty of ₹500/- per day per unit each time for such failure in addition to Uptime Penalty as mentioned above, subject to a maximum of 10% of the contract value".</p>
<p>24</p>	<p>11 Bid Security, I, Page 12.</p>	<p>i. The Bidder shall furnish, as part of its Bid, a Bid Security for an amount of ₹12,00,000/- (Rupees Twelve Lakhs Only) in the form of a Bank Guarantee (BG) issued by a Scheduled Commercial Bank in India other than Syndicate Bank in the format enclosed (Annexure-</p>	<p>Request Bank to change EMD clause: i. The Bidder shall furnish, as part of its Bid, a Bid Security for an amount of ₹5,00,000/- (Rupees Five Lakhs Only) in the form of a Bank Guarantee (BG) issued by a Scheduled Commercial Bank in India other than Syndicate Bank in the format enclosed (Annexure-D), to be valid for a period of six</p>	<p>RFP terms stand</p>



		D), to be valid for a period of six months from the last date for submission of Bid Document, along with the Bid Documents.	months from the last date for submission of Bid Document, along with the Bid Documents	
25	15) Other important term and conditions , Page 17 , i.	Bidder has to provide onsite support by deputing experienced engineers for all types of service and hardware/software maintenance calls during 3 years warranty period & also during AMC period of 3 years on post warranty without any extra cost to the Bank.	Is bank expecting dedicated resident engineer support? Or whenever support call is raised engineer to visit the site and provide support	Our RFP Term stands. Dedicated resident engineer support is not requested by Bank. Training is required to be given to Bank staff for managing the system to carryout day-to-day operations.
26	15) Other important term and conditions, Page 17 , ii.	The Supplier will accomplish preventive and breakdown maintenance activities regularly at least once in a quarter to ensure that all hardware execute without defect or interruption as per the above condition.	Request bank to redefine preventive maintenance yearly once, instead of quarterly once.	RFP Term Stands
27	5 TERMINATION FOR DEFAULT, Page No. 18	The Bank, without prejudice to any other remedy for breach of contract, by giving 30 days written notice of default sent to the Bidder and if the Bidder fails to cure the default within the notice period, may terminate this Contract in whole or in part: i. If the Bidder fails to upgrade any or all of the Software within the period(s) specified in the Contract or within any extension thereof	Please confirm In the event of termination of contract without assigning appropriate reasons, Bank will be liable to make payment of all reasonable termination fee covering any upfront charges incurred / irrevocable towards the provisions of services already ordered by the Bank.	No termination fee will be paid. Payment will be made for the services availed by the bank up to the termination.



		<p>granted by the Bank.</p> <p>ii. If the bidder fails to perform any other obligation(s) under the Contract.</p> <p>iii. If the bidder is not providing after sales and maintenance services and the calls are not attended for three or more occasions the Bank is at liberty to terminate the contract by giving 30 days' notice.</p> <p>iv. Delay in Implementation of the Project beyond the specified periods.</p> <p>v. Non satisfactory performance of the Project during implementation.</p> <p>vi. Failure to upgrade the project as per the requirements of the Bank.</p> <p>vii. Serious discrepancies noted in the implementation of the project.</p> <p>viii. Breaches in the terms and conditions of the Order.</p> <p>ix. Non satisfactory performance of the Project in terms of affecting the Core Systems of the Bank</p> <p>The Bank reserves its right to cancel the entire / unexecuted part of Purchase Order at any time by without assigning appropriate reasons in the event</p>		
--	--	--	--	--



		<p>of one or more of the above conditions:</p> <p>In addition to the cancellation of purchase order, the Bank reserves its right to invoke the Performance Bank Guarantee given by the bidder.</p>		
28	6 EFFECT OF TERMINATION , iv, Page No. 18	<p>iv. The Bank shall make such prorated payment for services rendered by the bidder and accepted by the Bank at the sole discretion of the Bank in the event of termination, provided that the bidder is in compliance with its obligations till such date. However, no payment for "costs incurred, or irrevocably committed to, up to the effective date of such termination" will be admissible. There shall be no termination compensation payable to the bidder.</p>	Dimension data: any termination for cause shall be subject to at least 90 days cure period.	RFP Terms stand
29	Annexure A, Cl. 7(ii), p.19	<p>ii. Selected Bidder shall keep the Bank, its Successors, Assignees and Administrators fully indemnified and harmless against loss or liability, claims actions or proceedings, if any, that may arise from whatsoever nature caused to the Bank through the action of its employees, agents, contractors, subcontractors etc.</p>	This is very broad in scope as any action of the employees/agents can result in claims. Kindly remove this sentence.	RFP terms stand



30	Annexure A, Cl. 7(iii), p.20	iii. The indemnification is only a remedy for the Bank. The Selected Bidder is not absolved from its responsibility of complying with the statutory obligations as specified above. Indemnity would be limited to court awarded damages and shall exclude indirect, consequential and incidental damages. However, indemnity would cover damages, loss or liabilities suffered by the Bank arising out of claims made by its customers and/or regulatory authorities.	If claims made by customers are taken into consideration for indemnity, Bidder is exposed to consequential and indirect damages – not limit to such exposure. Kindly avoid this.	RFP Term stands
31	Annexure A, Cl. 8(iii), p.20	Such liability of the Selected Bidder will be restricted to the actual amount of the Contract	Please confirm that the restriction covers all liabilities under the Contract without any exceptions.	RFP Terms stand
32	19 OWNERSHIP, GRANT AND DELIVERY, i, Page 23	i. The Bidder shall procure and provide a non-exclusive, non-transferable, perpetual license to the Bank for all the software to be provided as a part of this project. The use of software by bidders on behalf of the Bank would be considered as use thereof by the Bank and the software should be assignable / transferable to any successor entity of the Bank.	Please specify the software details	Applicable to all software offered by the bidder
33	CONTRACT RE-NEGOTIATION	ii. The Bank shall have the option of purchasing the equipment from third-party suppliers, in case such equipment is available at a lower	As this bids are participated with technically complied OEM, and final prices are based on revise auction outcomes which will be L1. Given this conditions bank will avail the	RFP Terms stand



	Page 23 , Clause 21, ii,iii	price and the bidder's offer does not match such lower price. Notwithstanding the foregoing, the bidder shall continue to have the same obligations as contained in this RFP except in relation to such equipment procured from third-party suppliers. iii. As aforesaid the Bank would procure the equipment from the third party only in the event that the equipment was available at more favorable terms in the industry, and secondly, The Equipment procured here from third parties is functionally similar, so that the bidder can maintain such equipment. The modalities under this right to re-negotiate /re-procure shall be finalized at the time of contract finalization.	competitive prices. Request bank to remove the clauses ii and iii	
34	Bid Security Form, Page 28.	Format of Bid Security	Our Bank is Mizuho Bank which is a Japanese Bank. They do not process the EMD according to the Bid Security Format. Hence we request Syndicate Bank to allow us to modify some words without changing the meaning of the BG.	The format should be in the format mentioned in the RFP
35	Technical Compliance A. Blade Servers - Point 9, Ethernet	2 Redundant 1/ 10 Gbps ports capable of virtualization	Request to modify as: Ethernet Interface / Converged Network Adaptor (CNA) 2 Redundant 1/10 Gbps ports Capable of Virtualization or Converged Network Adaptor	Accepted.



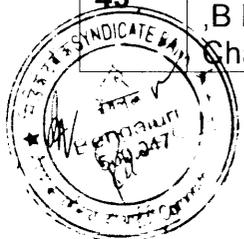
	Interface- Page No 33		of 40 Gbps capable of carrying both Ethernet and Fiber Channel traffic.	
36	Technical Compliance Blade Chassis/ Enclosure - Form Factor Page No 33	Chassis should house at least 14 blade servers	We would like to convey that the blade servers are dying technology and leading technology vendors and analyst like Gartner have accepted this fact. And also have discontinued Magic Quadrant for blade servers as there is more and more acceptability for modular servers. Hence requesting you to consider Modular server as an alternate option.	RFP terms stands
37	Technical Compliance Blade Chassis -I/O modules/Page No 33	b) The Chassis should have Server side 10 Gbps Ethernet connectivity and 8 Gbps Fiber Channel connectivity or FCoE 10 G, redundant per Blade.	Clarification - 10 gbps ethernet connectivity to be on copper or optical interface. The 16Gbps Fibre Channel Ports are available, much faster than the 8Gbps - Kindly change the clause to Fibre Channel HBA connectivity - Dual port 16Gbps Fiber Channel connectivity	10 Gbps ethernet connectivity over optical interface
38	Technical Compliance Blade Server - CPU/Page No 33	Latest Intel series processor with 22 Core processor or equivalent, 2.20 GHz or above (with minimum 55 MB cache memory) and TDP 145W or less. Should have minimum two processor sockets.	Clarification - Availability of 55 MB cache memory as it is not available with 22 core processor. In latest intel Scalable processor family 22 core CPU doesn't have with 55MB cache memory, change to CPU of 22 core 2.1GHz with minimum 30MB cache. The latest intel processor with 22 cores comes with 2.1ghz & 30 mb cache. Bank is requested to change the asked clock speed to 2.1GHz to meet the asked 22 cores cpu requirement.	RFP Term modified as: Latest Intel series processor with 22 Core processor or equivalent, 2.10 GHz or above (with minimum 30 MB cache memory) and TDP 145W or less. Each blade should have minimum two processor sockets.



<p>39</p>	<p>Page 33, Annexure I ,A blade servers, Point No. 2, CPU</p>	<p>Latest Intel series processor with 22 Core processor or equivalent, 2.20 GHz or above (with minimum 55 MB cache memory) and TDP 145W or less. Should have minimum two processor sockets.</p>	<p>The latest intel processor with 22 cores comes with 2.1ghz & 30 mb cache. Bank is requested to change the asked clock speed to 2.1GHz to meet the asked 22 cores cpu requirement.</p> <p>Can we increase the no. of core per server and reduce the no. of blade?</p> <p>Please share the switching infra for the Blade server connectivity. Please share the details of existing storage if available Please share if migration is required from existing storage. Please share the existing virtualized environment with hypervisor details if any. The latest intel processor with 22 cores comes with 2.1ghz & 30 mb cache. Bank is requested to change the asked clock speed to 2.1GHz to meet the asked 22 cores cpu requirement.</p>	<ul style="list-style-type: none"> - Bidder can quote processor with less/more number of cores. - Cache and frequency should be equal to or greater than as mentioned in RFP - Total number of core for solution should match as mentioned in RFP - Switch infra will be shared to successful bidder - Storage details will be shared to successful bidder - Storage migration is not in scope of this project - Virtualization environment details will be shared to successful bidder
<p>40</p>	<p>Page 33, Annexure I ,A blade servers, Point No. 3, Memory</p>	<p>Each module should not be less than 128 GB DDR 4 RAM ECC upgradeable up to 512 GB Should have total 512 GB memory (4x128 GB)</p>	<p>Bank is requested to change the dimm size to 64gb. With 64 gb modules, the scalability of 512gb can still be met by all of the OEM's. 128gb dimms are usually lesser in demand and have higher lead times by odm's which may result in delay in overall delivery and upgrade timelines.</p> <p>Bank is requested to change the dimm size to 64gb. With 64 gb modules, the scalability of 512gb can still be met by all of the OEM's.</p>	<ul style="list-style-type: none"> - Accepted - If the DIM provided is 64GB then total memory of 512 shall be achieved by 64GBX8DIMMs. - However, the provision should be available to scale the memory up to 1024 GB per Blade server. - Blade server should



			128gb dimms are usually lesser in demand and have higher lead times by odm's which may result in delay in overall delivery and upgrade timelines.	view total memory as single unit.
41	Page 33, Annexure I ,A blade servers, Point No. 8, Disk Controllers	Redundant SAS controller for SAS HDD & integrated hardware RAID controller to support Raid 0,1	Blade servers have limited pci-e slots and cannot support external sas controller. Bank is requested to amend this clause and include only the integrated hardware raid controller.	RFP terms stands
42	Page 33, Annexure I ,A blade servers, Point No. 10, Fibre Channel HBA connectivity	Dual port 8Gbps Fiber Channel capable of virtualization	<p>Bank is requested to consider 16gbps instead of 8 gbps.</p> <p>Request to modify as: Dual port 8 Gbps Fiber Channel capable of Virtualization or Converged Network Adaptor of 40 Gbps capable of carrying both Ethernet and Fiber Channel traffic.</p> <p>The latest technology in Server connectivity is CNA which is there in the market for the last 10 years and is extremely stable and scalable. Hence request the Bank to consider CNA solution as well.</p> <p>The 16Gbps Fibre Channel Ports are available, much faster than the 8Gbps - Kindly change the clause to Fibre Channel HBA connectivity - Dual port 16Gbps Fiber Channel capable of virtualization</p>	Dual port 8 Gbps (minimum) Fiber Channel capable of virtualization
43	pg 33, Annexure I ,B Blade Chassis/Enclos	Chassis should house at least 14 blade servers	Table in page no. 4 of the rfp mentions minimum 8 blades per chassis but here it asks for 14 blades per chassis. Bank is requested to amend the clause to "Chassis should	- Chassis should house at least 8 blade servers - All hardware mentioned in solution i.e. blade



	ure, Point No. 1, Form Factor		house at least 8 blade servers" Request to modify as: Adequate number of Chassis / Enclosures should be provided to house the quantity of Blade Servers required in this RFP. Restricting the quantity of Blades to any specific value will restrict participation of capable vendors. Hence request you to kindly consider the change.	server including chassis, SAN Switch, SAN Storage should get fits into single industry standard size rack
44	pg 33,Annexure I ,B Blade Chassis/Enclosure, Point No. 2, I/O modules C	c) Every chassis should be configured with 4 x 10G uplink to Bank's Core Switch and 4 x 8G uplink to Bank's existing SAN Switches.	Please provide the details of existing SAN switches to ensure compatibility.	- SAN Switch details will be shared to successful bidder
45	pg 33,Annexure I ,B Blade Chassis/Enclosure, Point No. 3, Midplane	Chassis should have a midplane with no single point of failure	Bank is requested to remove this clause. A midplane presence or absence does not bring any single point of failure to the chassis. Instead midplane limits the i/o and expansion capabilities of the Chassis. Request to modify as: Chassis should have a midplane robust architecture with no single point of failure. Different OEMs have different architecture, some have Midplane, some have Backplane etc. specifying one architecture will make it very restrictive. Hence request you to change the line more generic without compromising the result.	Bidder can propose alternative to midplane but with no single point of failure



46	Pg 34,Annexure I ,B Blade Chassis/Enclosure, Point No. 4, Power Supply Modules	Redundant Power supply should be provided in the chassis and should have hot pluggable capability. Power supply should meet the Energy 80 Plus certification or CSCI certification	Change to Redundant Power supply should be provided in the chassis and should have hot pluggable capability. Power supply should meet the Energy 80 Plus certification or CSCI certification	Change to Redundant Power supply should be provided in the chassis and should have hot pluggable capability. Power supply should meet the Energy 80 Plus certification or CSCI certification
47	pg 33,Annexure I ,B Blade Chassis/Enclosure, Point No. 10, DVD-RW	The DVD-RW should have 8x or more Read/Write one per chassis or can be provided via IP KVM switch across all Chassis and servers	Request to modify as: The DVD-RW should have 8x or more Read/Write one per chassis or can be provided via IP KVM switch / External Server across all Chassis and servers. Request you to kindly include an option of External Server to provide the DVD-RW functionality.	RFP terms stands
48	Page No. 34, Blade Chassis/Enclosure, Point No. 14, Cables	Sufficient number of cables required should be provided	Please specify the cable type , CAT6 /CAT6A and Fiber cables with quantity and length	All hardware mentioned in solution i.e. blade server including chassis, SAN Switch, SAN Storage should get fits into single industry standard size rack. Cables should be provided with sufficient number and length to meet this requirement
49	Page No. 34, Blade Chassis/Enclosure, Point No. 12, KVM	Rack Mountable foldable TFT Monitor, Key Board & KVM Switch capable of connecting & monitoring the complete blade chassis & all the blades in the	Mention the number of port required for KVM Switch	Number of ports are mentioned in section B : Blade Chassis/Enclosure, Point No. 13



		chassis or KVM over IP functionality to be provided		
50	Page 34, C Sanswitch, 2 Ports	SAN Switch should be configured with atleast 16 * 8 Gbps FC SAN Ports with 16 Transceiver Modules	<p>The bank has requested for 8Gbps Switches, OEM's have already released 32Gbps FC SAN Switches. Request the bank to consider the SAN Switches Speed of at least 16Gbps. Secondly, the No of Servers on the DR Site is 14, which will not leave many additional ports on the SAN Switch. REquest the bank to consider atleast 24 Ports FC SAN Switch.</p> <p>Can we propose 16G SAN switch capable to handle 8G port speed. The bank has requested for 8Gbps Switches, OEM's have already released 32Gbps FC SAN Switches. Request the bank to consider the SAN Switches Speed of at least 16Gbps. Secondly, the No of Servers on the DR Site is 14, which will not leave many additional ports on the SAN Switch. Request the bank to consider at least 24 Ports FC SAN Switch.</p> <p>Request to modify as: SAN Switch should be configured with atleast 16 * 8 Gbps FC SAN ports with 16 Tranceiver modules. The same Switch should also support 16 & 32 Gbps of FC speeds in future.</p> <p>Servers are coming up with higher speeds for the SAN connectivity and hence restricting to very low bandwidth for Server connectivity will not be very scalable from future perspective. Additional Point: Switch should support advanced analytics capabilities such as</p>	<ul style="list-style-type: none"> - Bidder can propose high bandwidth switches - Switch should be scalable up to 24 ports



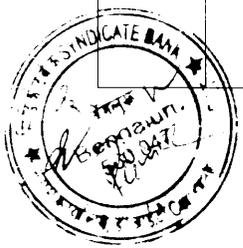
			<p>Exchange Completion Time (ECT), Disk Access Latency (DAL), IOPS measurement. This will help the Bank in measuring the end to end latency and congestion in both Server and Storage.</p> <p>Additional Point: Management & Monitoring software should be provided along with SAN Switch. Management & Monitoring of SAN infrastructure is very critical for having a complete view of the DC.</p> <p>Fibre Channel Port with 16Gbps is available - Kindly change the clause to SAN Switch should be configured with atleast 16 * 16 Gbps FC SAN Ports with 16 Transceiver Modules</p>	
<p>51</p>	<p>Page 34, C Sanswitch, 4 Cables</p>	<p>Appropriate LC-LC cables with sufficient length</p>	<p>Request bank to define the cable length based on the location where server and san switches are positioned in the DC and DR . Dimension Data: Request the bank to specify the length. The cables have to be ordered in advance and we would need the length in order to offer prices.</p> <p>Please specify MM or SM type cables with length. The cables have to be ordered in advance and we would need the length in order to offer prices.</p> <p>Request the bank to specify the length. The cables have to be ordered in advance and we would need the length in order to offer prices.</p>	<p>All hardware mentioned in solution i.e. blade server including chassis, SAN Switch, SAN Storage should get fits into single industry standard size rack. Cables should be provided with sufficient number and length to meet this requirement</p>



52	Technical Compliance - Expandable Capacity/Page No 35	At least 100 TB Capacity using all flash storage disks(SSD)	Whether requirement is for Native all flash or Hybrid storage with all flash drives.	Native all flash storage
53	Technical Compliance - Ports/Page No 35	Support 8 Gbps FC ports, 1 Gbps iSCSI ports, 10 Gbps iSCSI ports, 10 Gbps FCoE ports	Clarification- No of ports required for each type of port Request to remove FCoE. Data replication can be carried out using FC or iSCSI ports that is available. Hence FCoE is not required. Change to Support 16 Gbps FC ports, 1 Gbps iSCSI ports, 10 Gbps iSCSI ports, 10 Gbps FCoE ports	RFP Terms stands
54	pg 35,Annexure I, San Storage , Point No.4, RAID	RAID 5 configuration with atleast 2 hot spares	Spare drives are offered as percentage of overall usable capacity or as a percentage of total drives. In the current form the vendor will only offer 2 drives. Request the bank to amend the clause as " the Storage configuration should be offered with at least one spare drive for every 30 drives. "	Disk Size: 2.5 TB RAID Type: RAID 5 Each group should have 7+1 disk i.e. one spare drive for every 7 disk
55	pg 35,Annexure I, San Storage , Point No.5, RAID Support	Solution should support 1, 5, 6, 10	Request to remove RAID 1. Enhanced raid technology like Raid 10 is available. Hence Raid 1 is not required.	RFP Terms stands
56	pg 35,Annexure I, San Storage , Point No.7, Architecture	FC, iSCSI, FCoE & NAS Multi-controller architecture with SAN and NAS integration	Virtual environments require integration over FC SAN or iSCSI. Request the bank to ammend the clause to reflect the requirement. Request the bank to ammend the clause as "The Stoage array should support Dual active-Active controller architecture and should be able to access the LUNs directly from both teh controllers simultaneously for better	FC & iSCSI Multi-controller architecture with SAN integration



			<p>performance. The architecture should support FC and iSCSI simultaneously."</p> <p>Fujitsu: Since FCoE is mentioned as an option for server specification. Please mention that FCoE as an option for storage as well.</p> <p>Request to change to Dual controller architecture. The Requested requirement on capacity and the associated performance can be met by a Dual controller with very high scalability in capacity and performance.</p>	
57	pg 35,Annexure I, San Storage , Point No.10, Cache	Min 32 GB cache per controller	<p>Latest Generation storage arrays require cache for offering data services. Request the bank to consider 64GB Cache per controller in order to offer better data services.</p>	Bidder can propose cache more than 32 GB
58	pg 35,Annexure I, San Storage , Point No.12, Ports	Support 8 Gbps FC ports, 1 Gbps iSCSI ports, 10 Gbps iSCSI ports, 10 Gbps FCoE ports	<p>Bank is requested to specify the number of ports of each type to be available on the storage system.</p> <p>Current generation Storage arrays support 16Gbps FC, 10Gbps iSCSI, 25Gbps iSCSI Ports. FCOE Ports are no longer offered and supported by most OEM's and not adopted much by the industry. Request the bank to make the changes to the Ports.</p> <p>The current Specification does not specify how many ports are to be configured. Request the bank to request for the Required no of Ports. It is recommended that the storage array should be offered with at least 8 x</p>	<p>Bidder should provide ports compatible to blade chassis I/O module. However each port throughput shall be minimum 8Gbps for SAN and 10Gbps (Fiber-down gradable to 1Gbps) /1Gbps (Copper - Only used for Management IP) for Ethernet.</p>



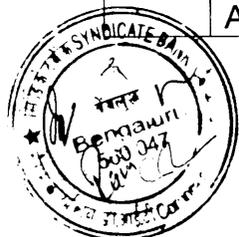
			<p>16Gbps FC ports, 8 x 10Gbps iSCSI Ports for replication and for iSCSI connectivity.</p> <p>Since FCoE is mentioned as an option for server specification. Please mention that FCoE as an option for storage as well.</p> <p>Please specify the number of ports required with speed and protocol support.</p>	
59	pg 35,Annexure I, San Storage , Point No.13, Licenses	Storage replication license and snapshot license. All licences that need to configure SAN Storage along with SAN switch need to be provided from day 1	<p>Bank to confirm that it is "Asynchronous replication between DC and DR sites with ~5ms latency" (since the distance between the sites is more than 50km). Request the bank to specify the required licenses for configuration and management to be specified. The Storage array should be configured with Software license for replication, Snapshot, Clones, Performance management for the entire array capacity. "</p> <p>Request the bank to specify the required licenses for configurations and management to be specified. The Storage array should be configured with Software licenses for replication, Snapshot, Clones, Performance management for the entire array capacity.</p>	<p>- Asynchronous replication between DC and DRS</p> <p>- Licenses are required for full capacity of proposed storage</p>
60	E. Virtual machine management software, Point 2, Page 35	The virtualization management solution must enable private container of resources like compute, memory etc. , which could be allocated to different project teams with or without quotas enabled	<p>What does "private container" term means? Is it normal Virtual machine or Containers (Dockers, Linux containers, etc.)</p>	<p>Pooling of compute, storage etc. into a single module to make provision for Virtual machines</p>



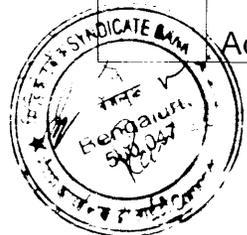
61	E. Virtual machine management software, Point 4, Page 35	The virtualization management must have role based access and capability of providing software defined networking/network virtualization for at least one of the Hypervisors	Please elaborate on the software defined networking part. Does this mean the capability to create software NIC, Switches and distributed switches? Or are we looking at a Software Defined Networking platform with advanced networking services like routing, firewall, load balancer etc. ? Virtualization management software should allow configuring each virtual machine with one or more virtual NICs. Each of those network interfaces can have its own IP address and even its own MAC address, must support NIC teaming for load sharing and redundancy.	Solution should provide capability of network virtualization
62	E. Virtual machine management software, Point 6, Page 36	Monitoring management solution must be able to deeply monitor roles like AD, DNS, DHCP, file server. This has to provide deep roles monitoring and not only basic monitoring of operating system	Please clarify "Deep roles monitoring" as it's a generic statement. Or please modify this clause as Virtualization management software should provide integration with Active Directory and other Microsoft services and should provide monitoring capabilities through native or 3rd party plug-ins/ agents. Please modify this clause as Virtualization software should provide integration with Active Directory and other Microsoft services and should provide monitoring capabilities through native or 3rd party plug-ins/ agents.	RFP Terms stands
63	E. Virtual machine management software, Point 7, Page 36	Monitoring management solution must have capability of creating custom rules and monitors for custom applications of bank if required	This is a generic statement. Please define the custom applications and the scope of parameters that needs to be monitored.	RFP Terms stands



64	Additional Clause for Warranty		Bidder confirms that all goods delivered are subject to the warranties provided by the OEM. Please note that insofar as is legally and contractually permissible, Bidder will pass onto, resell, or assign to Bank all the third party warranties. Kindly acknowledge and confirm this understanding.	Bidder is responsible for ensuring warranty and AMC of items supplied as per RFP terms.
65	Additional Point		The RFP does not talk about any performance number w.r.t IOPS. Request to share the workload characteristics like Random to Seq IO ratio, w.r.t read write ratio, Application block size, etc.	The storage should provide minimum 1L IOPS with a block size of 8K and 70:30 Read/Write ratio for <1ms response time
67	Additional Point		Virtualization software should support live Virtual Machine migration with enhanced CPU compatibility and without the need for shared storage option. Virtualization software should have the provision to provide zero downtime, zero data loss and continuous availability for the applications running in virtual machines in the event of physical host failure, without the cost and complexity of traditional hardware or software clustering solutions. This option should be supported for up to 4 virtual CPU per virtual machine.	Virtualization software should support live Virtual Machine migration from one host to another during planned downtime as well as in the event of host failure
69	Additional Point		The solution should manage anti-virus and anti-malware policies for virtualized environments with the same management interfaces used to secure physical infrastructure	Query not considered



70	Additional Point	Virtualization software should provide proactive High availability capability that utilizes server health information and migrates VMs from degraded hosts before problem occurs	Query not considered
71	Additional Point	Virtualization software should provide abilities to offload specific storage operations to compliant storage hardware thereby performing these operations faster and consuming less CPU, memory, and storage fabric bandwidth	Query not considered
72	Additional Point	Virtualization software should provide VM-level encryption protects unauthorized data access both at-rest and in-motion	Query not considered
73	Additional Point	Virtualization software should provide abilities to offload specific storage operations to compliant storage hardware thereby performing these operations faster and consuming less CPU, memory, and storage fabric bandwidth	Query not considered
74	Additional Point	The solution should provide in-built enhanced host-level packet capture tool which will provide functionalities like SPAN, RSPAN, ERSPAN and will capture traffic at uplink, virtual switch port and virtual NIC level. It should also be able to capture dropped packets and trace the path of a packet with time stamp details	Query not considered
75	Additional Point	The solution should provide a "Latency Sensitivity" setting in a VM that can be tuned to help reduce virtual machine latency. When the Latency sensitivity is set to high the hypervisor will try to reduce latency in the	Query not considered



			virtual machine by reserving memory, dedicating CPU cores and disabling network features that are prone to high latency.	
76	Additional Point		Virtualization software shall also natively have feature to enable live migration of virtual machines between servers in a cluster, across clusters as well as as long distances from one site to another (up to 100 milliseconds round trip time) with no disruption to users or loss of services, eliminating the need to schedule application downtime or business downtime.	Query not considered
77	Additional Point		Servers : Please provide the processor speed of Blade Chassis servers based on the Application requirements	Query not considered
78	Additional Point		Do we have to integrate with the existing Blade Chassis setup or a Green Field deployment?	No
79	Additional Point		Please provide the details on Web , Apps and DB Layer Archiecture ?	Details will be provided to successful bidders
80	Additional Point		Is any cluster creation, between Web,Apps and DB tier environment ?	Will be discussed with successful bidder
81	Additional Point		Is Web Tier is in DMZ or Non DMZ Zone?	Banks is having different network zones which includes MZ, WAN, DMZ
82	Additional Point		Storage : Green Field Deployment or Brown Field Deployment . Any existing storage data integration, data Migration ?	No data migration
83	Additional Point		Is any Replication scope i.e. Storage based or Host replication? Assumption customer will have the respective replication licenses?	Already discussed in Annexure I, San Storage, Point No.12 in the RFP.
84	Additional Point		The Latest Microsoft Operating system licenses version is Window 2016/2017 ? Is	Solution should provide Windows 2012 R2 OS and OS should be



			any OS version upgrade ? The existing ask is for MS Window 2012 R2..	upgradable to Windows Server 2016 as and when requested by the Bank. Cost of upgradation should be borne by the Bidder.
85	Additional Point		Is Any backup environment? In the new setup or the existing environment? If yes, Please provide the details	No
86	Additional Point		We assume that the customer will provide the respective latest Licenses (Database , OS) as per the requirements	- OS licenses along with support and subscription need to be provided along with solution - DB licenses are not part of solution
87	Additional Point		Kindly mention the required RPO/RTP for the replication between DC & DR Please clarify storage replication is active-active or active passive. Is bank expecting any RPO RTO.	Proposed solution should support asynchronous replication for incremental data update with synchronization period of less than 60 seconds to achieve RPO of less than four minute.
88	Additional Point		Mention the type of replication Between the DC & DR, Do we need to propose the storage based replication or virtualization based replication, the point is not clear. Kindly clarify	Storage Based licenses

Note: All other Terms and conditions of RFP will remain the same. Last date for submission of bid documents in **Online Mode** has been extended up to **16/01/2019 by 16.00 hours** and Last Date & Time for submission of Physical Documents (**Offline Mode**) has been extended up to **18/01/2019 by 16.00 hours**.

Yours faithfully,


Chief Information Officer

