



PASCHIM BANGA GRAMIN BANK

HEAD OFFICE: Natabar Paul Road, Chatterjee Para More, Tikiapara, Howrah- 711 101

Phone No.: 2667-0052/6078/9327/9961, Fax No: 2667-0051/9589

CORRIGENDUM TO THE RFP SELECTION OF SYSTEM INTEGRATOR FOR MIGRATION OF CORE BANKING SOLUTION FROM FINACLE 7.0.18 TO FINACLE 10.2.25 INCLUDING SUPPLY, INSTALLATION, INTEGRATION, IMPLEMENTATION AND MAINTENANCE OF HARDWARE, SOFTWARE, NETWORK, FACILITY MANAGEMENT SERVICES FOR FIVE YEARS (E –TENDER)

RFP Ref. No: PBGB/HO/DIT/198/2023-24 Date: 03/05/2023

SI	RFP Page No.	RFP Clause No.	Original RFP Clause					
1	113	13.2	Role / Description	Experience	Educational Qualifications / Certifications / Skills	Role / Description	Experience	Educational Qualifications / Certifications / Skills
			L1-Hardware, OS and backup & restoration Management & Load Balancer	>2 years	▪ Diploma/Engineering Graduate/Science Graduate/MCA/BCA.	L1-Hardware, OS and backup & restoration Management & Load Balancer	>2 years	▪ Diploma/Graduate/MCA/BCA. Other Criteria will remain unchanged
			L1- Data Base Management (CBS & Internet Banking)	>2 years	▪ Diploma/Engineering Graduate/Science Graduate/	L1- Data Base Management (CBS & Internet Banking)	>2 years	▪ Diploma/Graduate/MCA/BCA. Other



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			MCA/BCA.		Criteria will remain unchanged
2	74	10.5	The System Integrators should include the complete cost of the L2 support for the entire 2 years as part of the Commercial bid. Same may be renewed for a further period with existing terms and condition including cost at the discretion of the Bank.		The System Integrators should include the complete cost of the L2 support for the entire 5 years as part of the Commercial bid.
3	122	6. Payment Terms	<p>Payment related to Table A</p> <p>a. 50% of the cost of Finacle 10.x migration cost (table A), will be payable after two weeks of successful migration (Go-Live) of Finacle 7.0.18 version to 10.2.25 with all the functionalities of the said software, including implementation of all hardware (Finacle & Biometric), software (related to Finacle & Biometric), network equipment at DC & DR sites and acceptance sign-off from the Bank realizing penalty charges, if any.</p> <p>b. Remaining 50% of Finacle 10.x migration cost (table A), will be payable after three months of successful migration of Finacle 7.0.18 version to 10.2.25 with all the functionalities of the said software, including implementation of all hardware (Finacle & Biometric), software (related to Finacle &</p>		<p>Payment related to Table A</p> <p>a. 50% of the cost of Finacle 10.x migration cost (table A), will be payable after successful completion of UAT of Finacle 7.0.18 version to 10.2.25 with all the functionalities of the said software, including implementation of all hardware (Finacle & Biometric), software (related to Finacle & Biometric), network equipment at DC & DR sites and acceptance sign-off from the Bank realizing penalty charges, if any.</p> <p>b. 30% of the cost of Finacle 10.x migration cost (table A), will be payable after two weeks of successful migration (Go-Live) of Finacle 7.0.18 version to 10.2.25 with all the functionalities of the said software, including implementation of all hardware (Finacle & Biometric), software (related to Finacle & Biometric), network</p>



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			Biometric), network equipment at DC & DR sites and acceptance sign-off from the Bank realizing penalty charges, if any.	equipment at DC & DR sites and acceptance sign-off from the Bank realizing penalty charges, if any. c. Remaining 20% of Finacle 10.x migration cost (table A), will be payable after three months of successful migration of Finacle 7.0.18 version to 10.2.25 with all the functionalities of the said software, including implementation of all hardware (Finacle & Biometric), software (related to Finacle & Biometric), network equipment at DC & DR sites and acceptance sign-off from the Bank realizing penalty charges, if any.
4	122	6. Payment Terms	Payment related to Table B & C a. 90% cost of Finacle related Hardware, Network equipment and Software cost (table B & table C) will be payable after two weeks of successful migration (Go-Live) of Finacle 7.0.18 version to 10.2.25 with all the functionalities of the said software, including implementation of all hardware (Finacle & Biometric), software (related to Finacle & Biometric), network equipment at DC & DR sites and acceptance sign-off from the Bank realizing penalty charges, if any. b. 90% cost of Other solution related Hardware and Software cost (table B & table C) will be payable after successful implementation of respective application with all the functionalities of the said software, including	Payment related to Table B & C a. 50% cost of Finacle related Hardware, Network equipment and Software cost (table B & table C) will be payable after successful installation with all the functionalities of the said software, including implementation of all hardware (Finacle & Biometric), software (related to Finacle & Biometric), network equipment at DC & DR sites and acceptance sign-off from the Bank realizing penalty charges, if any. b. 50% cost of Other solution related Hardware and Software cost (table B & table C) will be payable after successful installation with all the functionalities of the said software, including implementation of all hardware, software at DC, DR sites & branches and acceptance sign-off from the Bank realizing penalty charges, if



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			<p>implementation of all hardware, software at DC, DR sites & branches and acceptance sign-off from the Bank realizing penalty charges, if any.</p> <p>c. Remaining 10%, cost of Finacle related Hardware, Network equipment and Software cost (table B & table C) will be payable after three months of successful migration of Finacle 7.0.18 version to 10.2.25 with all the functionalities of the said software, including implementation of all hardware (Finacle & Biometric), software (related to Finacle & Biometric), network equipment at DC & DR sites and acceptance sign-off from the Bank realizing penalty charges, if any.</p> <p>d. Remaining 10%, cost of other solution related Hardware and Software cost (table B & table C) will be payable after three months of successful implementation of respective application with all the functionalities of the said software, including implementation of all hardware, software at DC, DR sites & branches and acceptance sign-off from the Bank realizing penalty charges, if any.</p>	<p>any.</p> <p>c. Remaining 50%, cost of Finacle related Hardware, Network equipment and Software cost (table B & table C) will be payable after two weeks of successful migration (Go-Live) of Finacle 7.0.18 version to 10.2.25 with all the functionalities of the said software, including implementation of all hardware (Finacle & Biometric), software (related to Finacle & Biometric), network equipment at DC & DR sites and acceptance sign-off from the Bank realizing penalty charges, if any.</p> <p>d. Remaining 50%, cost of other solution related Hardware and Software cost (table B & table C) will be payable after successful implementation of respective application with all the functionalities of the said software, including implementation of all hardware, software at DC, DR sites & branches and acceptance sign-off from the Bank realizing penalty charges, if any.</p>
5	122	6. Payment Terms	<p>Payment related to Table G</p> <p>a. 90% cost of Other solution implementation</p>	<p>Payment related to Table G</p> <p>a. 50% cost of Other solution implementation (table</p>



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			<p>(table G) will be payable after successful implementation of respective application with all the functionalities of the said software, including implementation of all hardware, software at DC, DR sites & branches and acceptance sign-off from the Bank realizing penalty charges, if any.</p> <p>b. Remaining 10%, cost of Other solution implementation (table G) will be payable after three months successful implementation of respective application with all the functionalities of the said software, including implementation of all hardware, software at DC, DR sites & branches and acceptance sign-off from the Bank realizing penalty charges, if any.</p>	<p>G) will be payable after successful implementation of respective application in 50% branches and at DC & DR sites with all the functionalities of the said software, including implementation of all hardware, software at DC, DR sites & branches and acceptance sign-off from the Bank realizing penalty charges, if any.</p> <p>b. Remaining 50%, cost of Other solution implementation (table G) will be payable after completion of successful implementation of respective application in all branches with all the functionalities of the said software, including implementation of all hardware, software at DC, DR sites & branches and acceptance sign-off from the Bank realizing penalty charges, if any.</p>
6	59	7.33	System Integrator's installation team has to ensure all the necessary connectivity (networking/ cabling/ zoning etc) for installation of new setup & integration of proposed servers and enterprise storage with the existing Core banking setup on HPE environment , which is currently available at both Primary (DC) and Disaster Recovery (DR) site for migration from Finacle 7 to 10.X.	System Integrator's installation team has to ensure all the necessary connectivity (networking/ cabling/ zoning etc) for installation of new setup & integration of proposed servers and enterprise storage for migration from Finacle 7 to 10.X.
7	96	11.4	Support the Wide Area Network infrastructure of Bank across India and overseas.	Support the Wide Area Network infrastructure of Bank across India.
8	67	9.22	The System Integrator should integrate the	Clause stands deleted



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			proposed storage at DC & DR with the bank's existing enterprise storage and old tape library meeting the zero data loss during storage migration time.	
9			<p>Indemnity</p> <p>In consideration of the Bank having agreed to accept our offer in terms of Request for Proposal No. dated _____, We the Vendor herein doth hereby agree and undertake that we shall indemnify and keep indemnified the Bank including its respective Directors, Officers and Employees, from and against any claims, demands, actions, proceedings, damages, recoveries, judgements, costs, charges liabilities, losses arising out of all kinds of accidents, destruction, deliberate or otherwise, violation of applicable laws, regulations, guidelines and/or environmental damages, if any, during the contract period or expenses of any nature and kind whatsoever and by whomsoever made in respect of the said Contract and any damage caused from and against all suits and other actions that maybe instituted or preferred against the Bank or which the Bank may have to bear, pay or suffer directly or indirectly due to omission or commission of any act on our part and/or on the part of our employees, representatives, agents and/or associates, sub-</p>	<p>Indemnity</p> <p>Vendor shall indemnify, protect and save the Bank and hold the Bank harmless from and against all claims, losses, costs, damages, expenses, action suits and other proceedings, (including reasonable attorney fees), relating to or resulting directly or indirectly from I. an act or omission of the Vendor and /or its employees, agents, subcontractors in performance of the obligations under this Contract; and/or II. material breach of any of the terms of this Contract or breach of any representation or false representation or inaccurate statement or assurance or covenant or warranty of the Vendor under this Contract; and/or, III. Bank's authorized/ bona-fide use of the deliverables and/or the services provided by the Vendor under this Contract; and/or IV. Infringement of any patent, trademarks, copyrights etc. or such other statutory infringements in respect of all components provided to fulfil the scope of this project applicable to Vendor's scope. Vendor shall further indemnify the Bank against any loss or</p>



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		<p>contractors in performance of the obligations enumerated under the said Request for Proposal and Service Level Agreement/Contract/Master Service Level Agreement dated _____;</p> <p>We the Vendor further irrevocably and unconditionally agree and undertake to hold the Bank harmless, indemnify and keep the Bank indemnified from any of its following acts and deeds, irrespective of the value, genuineness or enforceability of the aforesaid Contract/Agreement or insolvency, bankruptcy, reorganisation, dissolution, liquidation or change in ownership of Bank or us or any other circumstance whatsoever which might otherwise constitute a discharge of the Vendor:</p> <ul style="list-style-type: none">i. material breach of any of the terms of the RFP/ SLA or breach of any representation or false representation or inaccurate statement or assurance or covenant or warranty of the service provider under these presents and/or Request for Proposal and Service Level Agreement/Contract/Master Service Level Agreement;ii. infringement of any intellectual property right, patents, trademarks, copyrights or breach of confidentiality obligations etc.,	<p>damage to the Bank premises or property, loss of life, solely attributable, to the acts of the Vendor's employees or representatives. The Vendor shall further indemnify the Bank against any loss or damage arising out of claims of infringement of third-party copyright, patents, or other intellectual property, and third-party claims on the Bank for malfunctioning of the equipment or software or deliverables at all points of time, provided however, I. The Bank notify the Vendor in writing immediately on becoming aware of such claim, II. The Vendor has sole control of defense and all related settlement negotiations, III. The Bank provides the Vendor with the assistance, information and authority reasonably necessary to perform the above, and IV. The Bank does not make any statement or comments or representations about the claim without prior written consent of the Vendor, except under due process of law or order of the court. It is clarified that the Vendor shall in no event enter into a settlement, compromise or make any statement (including failure to take appropriate steps) that may be detrimental to the Bank (and/or its customers, users and service providers) rights, interest and reputation. Vendor shall be responsible</p>
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		<p>including any claims of infringement of any third-party copyright, patents or other intellectual property and/or any third-party claims on the Bank for malfunctioning of the equipment, software or deliverables or usage of any license, or such other statutory infringement in respect of all components provided to fulfil the scope of work under these presents and/or Request for Proposal and Service Level Agreement/Contract/Master Service Level Agreement;</p> <p>iii. for any loss or damages caused to the Bank's premises or property, loss of reputation & loss of life etc., solely attributable due to the acts of the Vendor/Vendor's employees, representatives, agents and/or associates;</p> <p>iv. non-compliance of the Vendor with the applicable laws and/or statutory obligations, if any, in performing its duties as a service provider under the said Request for Proposal and Service Level Agreement/Contract/Master Service Level Agreement;</p> <p>v. Negligence or gross misconduct attributable to the Vendor, its employees, representatives, agents and/or associates or any liabilities which pose significant risk;</p>	<p>for any loss of life, etc, due to acts of Vendor's representatives, and not just arising out of gross negligence or misconduct, etc, as such liabilities pose significant risk. Vendor should take full responsibility for its and its employee's actions. The Vendor should indemnify the Bank (including its employees, directors or representatives) from and against claims, losses, and liabilities arising from: • Non-compliance of the Vendor with applicable Laws / Governmental Requirements to its scope under this Contract, IP infringement ; • Gross Negligence or willful misconduct attributable to the Vendor, its employees, and agents • Material breach of any terms of this Contract, Representation or Warranty • Act or omission in performance of service. Further, I. Vendor's aggregate liability in connection with obligations undertaken as a part under this Contract regardless of the form or nature of the action giving rise to such liability (whether in contract, tort or otherwise), shall be at actual and limited to the Total Contract Value. II. Vendor's liability in case of claims against the Bank resulting from Willful Misconduct or Gross Negligence of Vendor, its employees and Subcontractors or from infringement of patents, trademarks, copyrights or</p>
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		<p>We shall not enter into any settlement, compromise or make any statement (including failure to take appropriate steps) that may be detrimental to the rights, interest and reputation of the Bank (and/or its customers, users and service providers).</p> <p>All indemnities shall survive notwithstanding the expiry or termination of Service Level Agreement/Contract/Master Service Level Agreement and we shall continue to be liable under the indemnities.</p> <p>Any notice, request or other communication to be given or made under this indemnity shall be in writing addressed to either Party at the address stated in the aforesaid Agreement/Contract.</p> <p>We hereby declare that this Indemnity is in addition to the Liquidated Damages as provided in these presents.</p>	<p>such other Intellectual Property Rights or breach of confidentiality obligations shall be unlimited. III. Bank shall not be held liable for any responsibility or claim / litigation arising out of the use of any third party software or modules supplied by Vendor as part of procurement under this Contract. IV. Under no circumstances bank shall be liable to the Vendor for direct, indirect, incidental, consequential, special or exemplary damages arising from termination of this Contract, even if Bank has been advised of the possibility of such damages, such as, but not limited to, loss of revenue or anticipated profits or loss of business. V. Subject to any law to the contrary, and to the maximum extent permitted by law Bank shall not be liable to Vendor for any consequential/ incidental, or indirect damages arising out of this Contract. Indemnity would be limited to court; tribunal or arbitrator 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. The Vendor shall not indemnify the Bank for I. Any loss of profits, revenue, contracts, or anticipated savings or II. Any</p>
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				<p>consequential or indirect loss or damage however caused, provided that indemnity would cover damages, loss or liabilities suffered by the Bank arising out of Claim made by Regulatory Authorities for reasons attributable to breach of services provided/ obligation under this Contract and by the Vendor. Vendor shall be responsible for any loss of life or bodily injury, due to acts of Vendor's representatives, and not just arising out of gross negligence or misconduct, etc., as such liabilities pose significant risk. Vendor should take full responsibility for its and its employee's actions. "Gross Negligence" means an indifference to, and a blatant violation of a legal duty with respect to the rights of others, being a conscious and voluntary disregard of the need to use reasonable care, which is likely to cause foreseeable grave injury or harm to persons, property, or both. Gross negligence involves conduct that is extreme, when compared with ordinary negligence. A mere failure to exercise reasonable care shall not be a Gross negligence. "Wilful Misconduct" means any act or failure to act with an intentional disregard of any provision of this RFP/Contract, which a party knew or should have known if it was acting as a reasonable person, which would result in injury,</p>
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				damage to life, personal safety, real property, harmful consequences to the other party, but shall not include any error of judgment or mistake made in good faith. The Vendor should indemnify the Bank (including its employees, directors representatives) from and against third party claims of losses, and liabilities arising from non-compliance of the Vendor with Laws / Governmental Requirements applicable to its scope of work
10	173	Annexure D Table I, Point 10	There should be a single agent on the managed node that provides the system performance data, and for event management it should be able to prioritize events, do correlation & duplicate suppression ability to buffer alarms and provide automatic actions with capability to add necessary annotations	There should be agent less and agent base method on the managed node that provides the system performance data, and for event management it should be able to prioritize events, do correlation & duplicate suppression ability to buffer alarms and provide automatic actions with capability to add necessary annotations
11	175	Annexure D Table I, Point 36	The proposed system should be able to administer configuration changes to network elements by providing toolkits to automate the following administrative tasks of effecting configuration changes to network elements: a) Capture running configuration b) Capture start-up configuration c) Upload configuration d) Write start-up configuration e) Upload firmware	The proposed system should be able to administer following configuration changes to network elements a) Capture running configuration b) Capture start-up configuration c) Upload configuration d) Write start-up configuration e) Upload firmware
12	175	Annexure D Table I, Point 37	The proposed fault management solution must able to perform "load & merge" configuration changes to multiple network devices	The proposed configuration management solution must able to perform "load & merge" configuration changes to multiple network devices



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13	175	Annexure D Table I, Point 38	The proposed fault management solution must able to perform real-time or scheduled capture of device configurations	The proposed configuration management solution must able to perform real-time or scheduled capture of device configurations
14	57	7.18	System Integrator should supply Backup Software Solution having 150 TB capacity base backup software and should support Full and Incremental, online & offline backup having capability of taking backups on LTO 9 Tape Drives at DC & DR location. Backup Software solution should have Industry standards encryption (256 bit or higher). System Integrator has to install Backup software solution on all Production Database servers (DC & DR)	System Integrator should supply Backup Software Solution having 20 TB capacity base backup software and should support Full and Incremental, online & offline backup having capability of taking backups on LTO 9 Tape Drives at DC & DR location. Backup Software solution should have Industry standards encryption (256 bit or higher). System Integrator has to install Backup software solution on all Production Database servers (DC & DR)
15	179	Table J Point no. 18	The proposed solution Should support at least 100000 of concurrent SSL users connected at 2048 key size	The proposed solution Should support at least 25000 of concurrent SSL users connected at 2048 key size
16	68	10.1	Ensure successful replication between production and DR and NDR.	Clause stands deleted
17	153	Annexure D Table A DC & DR sites Point no. d	2 Nos. Physical server shall contains (Type C) i. 2 (Uniser) virtual Node ii. 2(C24) virtual Node iii. 2(CSIS APP) virtual Node Each physical server should host 1 no. C24, 1 no. CSIS APP and 1 no. Uniser APP virtual node	2 Nos. Physical server shall contains (Type D) i. 2 (Uniser) virtual Node ii. 2(C24) virtual Node iii. 2(CSIS APP) virtual Node Each physical server should host 1 no. C24, 1 no. CSIS APP and 1 no. Uniser APP virtual node
18		Annexure D Table A DC site Point no. I,ii,iii	1 no. UAT DB (Type D) separate physical server 1 no. CSIS DB (Type E) separate physical server 5 Nos. Physical server shall contain (Type F) a. 2 DB server in virtual node	1 no. UAT DB (Type E) separate physical server 1 no. CSIS DB (Type F) separate physical server 5 Nos. Physical server shall contain (Type G) a. 2 DB server in virtual node



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			<ul style="list-style-type: none"> b. 3(C/C++) virtual node c. 3(J2EE) virtual node d. 2(HTTP) virtual node e. 1 (Uniser) virtual Node f. 1 (C24) virtual Node g. 1(CSIS APP) virtual Node 	<ul style="list-style-type: none"> b. 3(C/C++) virtual node c. 3(J2EE) virtual node d. 2(HTTP) virtual node e. 1 (Uniser) virtual Node f. 1 (C24) virtual Node g. 1(CSIS APP) virtual Node
19	164	Annexure D Table E Point no. 4	The Storage should be supplied with 10 TB usable with all flash drives to support 50000 NFS IOPS/concurrent connection or above over 10Gbps Ethernet with response time of less than 2 milliseconds excluding all overhead configuration like RAID (RAID 6) configuration formatting and hot spare disk. The storage array must support online expansion of RAID Group/Disk Group. The proposed storage system should be scalable to reach 100,000 NFS IOPS and 20 TB with the above workload characteristic. The compliance document should be accompanied with a letter from the OEM, confirming to this requirement.	The Storage should be supplied with 2TB usable with all flash drives to support 50000 NFS IOPS/concurrent connection or above over 10Gbps Ethernet with response time of less than 2 milliseconds excluding all overhead configuration like RAID (RAID 6) configuration formatting and hot spare disk. The storage array must support online expansion of RAID Group/Disk Group. The proposed storage system should be scalable to reach 100,000 NFS IOPS and 20 TB with the above workload characteristic. The compliance document should be accompanied with a letter from the OEM, confirming to this requirement.
20	168	Annexure D Table F Point no. 5	10 TB front end capacity licenses and same license can be used in DC and DR	Online Backup Software for the proposed database servers and existing database server of other applications. 30 no. host base license.
21			Enterprise Tape Library with 50 LTO 9 Tape and Minimum No. of tape drives: 2 X LTO 9 FC drives	Minimum No. of tape drives DC and DR Site: 2 X LTO 9 FC drives and 4 X LTO 8 FC drives
22	49,50, 51 153,1 54,15 5	Clause 7 Table A Annexure D, Table A, Table B	Intel Xeon Platinum 81xx CPU x86-64 bit @ 3.1 GHz or higher with HT, Turbo Boosting	Intel Xeon Gold 63xx @ 2.8 GHz or above with HT, Turbo Boosting



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23	160	Annexure D Table D Point no. 5	Minimum 512 GB DRAM to accommodate cache pages and Data in cache should be protected against unexpected power failures for minimum 72 hours of time.	Minimum 256 GB DRAM to accommodate cache pages and Data in cache should be protected against unexpected power failures for minimum 72 hours of time.
24	161	Annexure D Table D Point no. 9	Storage should have features like Snapshot, Clone, Temper proof/read only copy, and multisite replication etc. Storage providing enterprise class data availability, supporting zero data loss, 3-way DR replication	Storage should have features like Snapshot, Clone, Temper proof/read only copy, and multisite replication etc. Storage providing enterprise class data availability.
25	161	Annexure D Table D Point no. 11	Minimum 16 X 32 Gbps FC Ports (8+8) . If required bidder needs provision extra port to future provisioning during contract period.	Minimum 8 X 32 Gbps FC Ports (4+4) . If required bidder needs provision extra port to future provisioning during contract period.
26	161	Annexure D Table D Point no. 12	Industry Standard RAID array supporting minimum 5 and 6 levels . It should support a mix and match of RAID levels behind a pair of controllers. The storage array should allow online expansion of existing RAID Groups / SSD Disk Pools.	Industry Standard RAID array supporting minimum 6 levels . It should support a mix and match of RAID levels behind a pair of controllers. The storage array should allow online expansion of existing RAID Groups / SSD Disk Pools.
27	161	Annexure D Table D Point no. 14	The Storage system shall be configured with GUI-based Storage Management Software Tools for Management. A single command console shall be used for the entire storage system. In case an enterprise version of the Storage Array specific Storage Manager exists, then the same should be proposed. Vendor should provide storage management system for configuration, administration and monitoring. The storage array must provide performance monitoring, reporting and tuning (QoS). The performance monitoring should be real-time and historical providing IOPS, Response Time and utilization of individual components within the storage. If licensed separately, the vendor needs to provide the	Offered storage array shall support quality of service for critical applications to define IOPS, bandwidth & response time in both milliseconds as well as Submilliseconds for different application logical units at real time. A single console shall be used for the entire storage system. The storage array must provide performance monitoring, reporting and tuning (QoS). The performance monitoring should be real-time and historical providing IOPS, Response Time and utilization of individual components within the storage. If licensed separately, the vendor needs to provide the necessary licenses for full capacity. The storage management software must provide multiple levels of access control including role-based security, provision to send alerts via email.



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			necessary licenses for full capacity. The storage management software must provide multiple levels of access control including role-based security, provision to send alerts via email.	
28	161	Annexure D Table D Point no. 22	Licenses for point in time copies, full volume copies should be provided for the complete proposed capacity that is being supplied and configured in DC and DR Storage. However minimum 10 TB synchronous replication license to be factored both in DC and NDR storage for Near DR storage base synchronous replication for near ZERO data lose from day one.	Licenses for point in time copies, full volume copies should be provided for the complete proposed capacity that is being supplied and configured in DC and DR Storage.
29	171 172	Annexure D Table G Point no. 18 Table H Point no. 8	The system should be quoted with 5years with 24 x 7 and 4 HR CTR Support by the OEM. (3 years Upfront warranty and AMC for year 4 and Year 5)	The system should be quoted with 5years with 24 x 7 and 6 HR CTR Support by the OEM. (3 years Upfront warranty and AMC for year 4 and Year 5)
30	171	Annexure D Table H Point no. 2	Redundant 2 no. of SAN Switch with latest generation 32/16 Gbps FC Switches with enterprise-class availability features such as Dual-redundant control processors, hot swappable FC modules , power and cooling subsystems at DC & DR	Redundant 2 no. of SAN Switch with latest generation 32/16 Gbps FC Switches with enterprise-class availability features such as redundant power supply module and power and cooling subsystems at DC & DR
31	171	Annexure D Table H Point no. 3	Minimum 128 X 32 Gbps/16 Gbps FC ports per Switch	Minimum 24 X 32 Gbps/16 Gbps FC ports per Switch
32	184	Annexure D Table L Point no. 10	Should support Firewall features (transparent and bridging)	Clause stands deleted
33	185	Annexure D Table L Point no. 25	Should have extensive support for SLA monitoring for metrics like delay, latency, jitter, packet loss.	Clause stands deleted



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34	187	Annexure D Table M Point no. 8	Should have minimum 16 GB DRAM with minimum 10GB Flash and should have 2 x 240GB SSD to host 3rd party container based application in future.	Should have minimum 16 GB DRAM with minimum 10GB Flash
35	187	Annexure D Table M Point no. 13	Multicast Routing entry support : Minimum 16K	Multicast Routing entry support : Minimum 8K
36	187	Annexure D Table M Point no. 24	Should have AES-256 support with MACSEC-256 encryption algorithm on hardware	Clause stands deleted
37	187	Annexure D Table M Point no. 25	Platform should support identifying malware in encrypted traffic in Campus LAN layer or an external appliance for the same functionality can be provided.	Clause stands deleted
38	188	Annexure D Table M Point no. 30	Switch shall be IEEE 802.3BT 90W PoE Ready	Clause stands deleted
39	188	Annexure D Table M Point no. 40	Switch should support 24 Multigigabit 100/1000 Mbps 2.5/5 Gbps 10GBASE-T ports and 24 10/100/1000 ports	Switch should support 24 Multigigabit 100/1000 Mbps 2.5/5 Gbps ports
40	188	Annexure D Table M Point no. 42	Switch must provide Application visibility using Deep packet inspection technology	Switch must provide Application visibility using Deep packet inspection technology or equivalent
41	188	Annexure D Table M Point no. 44	Switch should support scale of 1000 VRFs from logical segmentation perspective	Switch should support scale of 256 VRFs from logical segmentation perspective
42	188	Annexure D Table M Point no. 56	The Switch should be IPv6 Ready Logo Phase-2 certified	The Switch should be IPv6 Ready
43	190	Annexure D Table N Point no. 2	The proposed devices should be SD-WAN compatible	Clause stands deleted



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44	190	Annexure D Table N Point no. 16	Efficient MAC Address learning engine supports up to 16K MAC Addresses	Efficient MAC Address learning engine supports up to 8K MAC Addresses
45	191	Annexure D Table N Point no. 43	The Switch should support Auto QoS or equivalent for certain device types and enable egress queue configurations.	The Switch should support Auto QoS or QoS or equivalent for certain device types and enable egress queue configurations.
46	191	Annexure D Table N Point no. 42	The Switch should support real-time network event detection in order to take informational, corrective actions when the monitored events occur (Embedded Event Manager or equivalent mechanism through external software) from day 1. If Vendor is providing external software than necessary hardware/software to install at bank locations from day 1 without any extra cost to bank. This point is optional for Branch switch	The Switch should support real-time network event detection in order to take informational, corrective actions when the monitored events occur (Embedded Event Manager or equivalent mechanism through external software) from day 1. If Vendor is providing external software than necessary hardware/software to install at bank locations from day 1 without any extra cost to bank. This point is optional.
47	127	Clause 11	Price Validity The System Integrator will be required to keep the price valid for a period of 01 year (12 months) from the date of issuance of 1st Purchase Order. There shall be no increase in price for any reason whatsoever during the period of 12 months and Bank may place the additional Purchase Orders to the System Integrator for any or all of the services at the agreed unit rate for line items as mentioned in the commercial format i.e. Annexure – E during the price validity period of 12 months.	Price Validity The System Integrator will be required to keep the price valid for a period of 01 year (12 months) from the date of submission of commercial bid . There shall be no increase in price for any reason whatsoever during the period of 12 months and Bank may place the additional Purchase Orders to the System Integrator for any or all of the services at the agreed unit rate for line items as mentioned in the commercial format i.e. Annexure – E during the price validity period of 12 months.
48	194	Annexure D Table O Point no. 2	The appliance hardware should be with at least 16 physical and 32 virtual cores with hyper threading enabled, 64 GB RAM and at least 1 X	The appliance hardware should be with at least 6 physical and 12 virtual cores with hyper threading enabled, 16 GB RAM and with Option of Compact



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			480 GB SSD storage from day 1	Flash
49	194	Annexure D Table O Point no. 3	NGFW must have minimum Next Generation Firewall with IPS and application visibility throughput of 20 Gbps.	NGFW must have minimum Next Generation Firewall with IPS and application visibility throughput of 10 Gbps.
50	194	Annexure D Table O Point no. 4	NGFW must have minimum Firewall with IPS throughput of 20 Gbps	NGFW must have minimum Firewall with IPS throughput of 10 Gbps
51	194	Annexure D Table O Point no. 5	NGFW must support at least 330K connection per second and 16M concurrent connections from day 1	NGFW must support at least 330K connection per second and 7M concurrent connections from day 1
52	195	Annexure D Table O Point no. 3	NGFW must have minimum Next Generation Firewall with IPS and application visibility throughput of 15 Gbps.	NGFW must have minimum Next Generation Firewall with IPS and application visibility throughput of 10 Gbps.
53	195	Annexure D Table O Point no. 5	NGFW must support at least 330K connection per second and 16M concurrent connections from day 1	NGFW must support at least 330K connection per second and 7M concurrent connections from day 1
54	200	Annexure D Table O Point no. 63	Solution must be able to segment the rule base in a sub-policy structure in which only relevant traffic is being forwarded to relevant policy segment for an autonomous system	Clause stands deleted
55	200	Annexure D Table O Point no. 64	Solution must be able to segment the rule base in a layered structure. Solution must be able to segment the rule base to allow structure flexibility to align with dynamic networks.	Clause stands deleted
56	200	Annexure D Table O Point no. 65	The proposed solution must support the ability to lock configuration while modifying it, avoiding administrator collision when there are multiple people configuring the appliance	Clause stands deleted
57	174	Annexure D Table I, Point 22	Will support audit and remediation against industry best practice content such as CIS,	Will support audit and remediation against industry best practice content such as PCI or CIS or MSFT.



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			MSFT.	
58	187	Annexure D Table M, Point 7	Platform should be integrated with SDN platform, SDN controller can be added as and when required	Clause stands deleted
59	187	Annexure D Table M, Point 11	IPv4 Routing entry support : Minimum 100K	IPv4 Routing entry support : Minimum 60K
60	187	Annexure D Table M, Point 24	Should have AES-256 support with MACSEC-256 encryption algorithm on hardware	Clause stands deleted
61	107	Clause no. 12.2 XV	The solution should be capable of automatic (dynamic) deployment to client workstations, as well as, removal of any existing Antivirus software	The solution should be capable of remote deployment to client workstations, as well as, removal of any existing Antivirus software
62	188	Annexure D Table M, Point 45	Switch should support POE enhancement like Perpetual PoE where the power devices continue to get the last negotiated power from the power source during the Supervisor reload	Clause stands deleted
63	188	Annexure D Table M, Point 46	Switch should have application hosting functionality e.g. containerized native docker based 3rd party applications	Clause stands deleted
64	188	Annexure D Table M, Point 47	Switch should support Minimum 800GB SSD drive	Clause stands deleted
