ADDENDUM

To

REQUEST FOR PROPOSAL (RFP)

FOR

Procurement and Implementation of Internal and External Firewalls at Head Office (HO) and Corporate Office (CO)

Ref: CO/ITD/1999/R1/2021-22 Date: 02/11/2021

**INFORMATION TECHNOLOGY DEPARTMENT,
INDIAN BANK, CORPORATE OFFICE,
254-260, AVVAI SHANMUGAM SALAI, ROYAPETTAH,
CHENNAI – 60001**

The following amendments to RFP have been incorporated in connection with the above mentioned RFP.

Introduction

Bank has floated the RFP No **CO/ITD/1999/R1/2021-22 Date: 02/11/2021 towards Procurement and Implementation of Internal and External Firewalls at Head Office (HO) and Corporate Office (CO)**

As per the terms of the RFP, a pre–bid meeting was held on 09.11.2021, which was attended by representatives of prospective bidders.

In response to the queries received from prospective bidders, addendum containing clarifications to the queries & amendments to the RFP document is issued herewith.

Amendments & Clarifications to Pre-Bid Queries to the RFP *(Including Additions/Modifications/Deletions)*: **-:**

A. General Queries

S.No.	RFP Clause	Query Raised	Amendment/ Clarification
1	**SECTION III, Page. No. 18, Clause No. 2** **"Project Milestone &Timeline" Phase 1 "** Delivery and Installation of required hardware, Software and Licenses" Within 8 Weeks from date of issue of purchase order	1. With the current semiconductor shortage, it will not be possible to deliver in 8 weeks deliveries are impacted globally due to COVID. 2. Kindly request you to consider the delivery period as 10-12 weeks 3. We request bank to increase the delivery timelines to at least 12-16 weeks. 4. With the current semiconductor shortage, it will be difficult to deliver in 8 weeks. Please extend the delivery time line by a couple of weeks.	**AMENDMENT:** Delivery and installation of required hardware, software and licenses within 10 weeks from issue of PO.
2	**SECTION III, Page No.32. Clause**	(1) Phase 1 - 70% of the total cost of solution with 3 years Warranty Phase 2 - 10% of the total cost of solution with 3 years Warranty	**AMENDMENT:** 1. Phase 1 - 60% of the total cost of

	No.13, "Terms of Payment"
	
	• Phase 1 - 50% of the total cost of solution with 3 years Warranty
	• Phase 2 - 30% of the total cost of solution with 3 years Warranty
	• Phase 3 - 10% of the total cost of solution with 3 years Warranty
	• Phase 4 - 10% of the total cost of solution with 3 years Warranty
		Phase 3 - 10% of the total cost of solution with 3 years Warranty
		Phase 4 - 10% of the total cost of solution with 3 years Warranty
		(2)
		  Phase-1: 65% of the total cost of solution with 3 years Warranty
		  Phase-2: 20% of the total cost of Solution with 3 years Warranty
		  Phase-3: 5% of the total cost of Solution with 3 years Warranty
		(3) Request change the schedule to 80% on Delivery and 20% on Implementation
		
		(4) Requesting bank to modify the terms of payment to 70% on Delivery, 20% on Installation, 5% on sign off and 5% on 1 month post signoff.
		
		(5) We request bank to amend the Clause as under:
		
		  1. Delivery and Installation of required Software Licenses - 70% of the total cost of solution with 3 years Warranty.
		  2. Complete Implementation of the solution as per PO (live production) - 20% of the total cost of Solution with 3 years Warranty.
		  3. Sign-off (post implementation) - 10% of the total cost of Solution with 3 years Warranty.
		(6) Requesting Bank to modify the clause as "Delivery of required Hardware and Software Licenses- 40% of the total cost of solution with 3 years Warranty and Installation of delivered Software Licenses-20% of the total cost of solution with 3 years Warranty
		
		Requesting Bank to modify the clause as "Complete Implementation of the solution as per PO(live production)- 20% of the total cost of Solution with 3 years Warranty".
			solution with 3 years Warranty
			2. Phase 2 - 20% of the total cost of solution with 3 years Warranty
			3. Phase 3 - 10% of the total cost of solution with 3 years Warranty
			4. Phase 4 - 10% of the total cost of solution with 3 years Warranty

3	**SECTION I, Page No. 6, Clause No.7** **"MAKE IN INDIA"** This RFP is further governed by Government of India, Ministry of Commerce and Industry, Department of	1. Kindly request you to remove this clause. 2. to be removed We have development Centre in India where we develop some Cybersecurity solutions. 3. The confirmation we can give is – We have development Centre in India where we develop some Cybersecurity solutions.	**CLARIFICATION:** Adhere to RFP

	Industrial Policy and Promotion order number P-45021/ 2/2017-B.E.-II dated 15th June 2017 for the Public Procurement (Preference to Make in India), Order 2017, revision order no. P-45021/ 2/2017-PP (B.E.-II) dated 28th May 2018, revision order no. P-45021/ 2/2017-PP (B.E.-II) dated 29th May 2019 and subsequent revision order no DPIIT Order No. P-45021/2/2017-PP(BE-II) dated June 04, 2020&and subsequent revision order no. P-45021/2/2017-PP (B.E.-II) dated 16th Sept 2020.		
4	**SECTION III, Page. No. 18, Clause No. 2** **"Project Milestone & Timeline" Phase 2"** Implementation of the solution (live production) at both (HO & CO) locations	1. Kindly request you to consider the implementation period as 4 weeks. 2. from 8 weeks to 16 weeks and installation 6 weeks semiconductor shortage	**CLARIFICATION:** Adhere to RFP.
5	**SECTION III, Page. No. 18, Clause No. 4** **"Liquidated Damages"** If the Supplier fails to implement the solution or to perform the Services within the period(s) specified in the	Kindly request you to consider" up to a maximum deduction of 5%"	**CLARIFICATION:** Adhere to RFP.

	Contract, the Bank shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to 0.5% of the Invoice price of Hardware, software and services procured, for each week or part thereof of delay from bank's approval date until actual delivery or performance, up to a maximum deduction of 10%.		
6	**SECTION III, Page No.29. Clause No.9, "Insurance"** The goods supplied under the Contract shall be fully insured against loss or damage incidental to transportation, storage and erection. The transit insurance shall be for an amount equal to 110 percent of the invoice value of the Goods from "Warehouse to final destination" on "All Risks" basis including War Risks and Strikes. The supplier should also insure the goods in Indian Territory for the invoice value under Storage cum Erection policy till three months from the date of delivery. Any damage happens to all equipment's due to non-availability of storage cum erection policy, the supplier has to bear the losses.	Kindly confirm that the Bidder will provide transit insurance upto the Client location. Kindly remove the requirement of the additional 3months insurance and the 0.1% deduction as these are not acceptable.	**CLARIFICATION:** Adhere to RFP. Bidder should provide transit insurance.

7	**Section III, Page No. 30, 10) Service Level Agreement (SLA), 4th Paragraph** New paragraph added.	NA	**AMENDMENT:** The successful bidder has to arrange 3 Days training from each OEM for a group of 20 Bank's officers for both internal and external firewalls.
8	**SECTION III, Page No.32. Clause No.12, "Eligibility Criteria"** The Bidder should be a Limited Company and should be in existence in India for the last 5 years (as on 31.03.2021).	1. Only few companies are Limited and request to change as requested to enable private limited companies to participate 2. The Bidder / or its parent company (bidder should be 100% owned subsidiary of the parent company) should be a Limited Company and should be in existence in India for the last 5 years (as on 31.03.2021).	**AMENDMENT:** The Bidder should be a Public/Private Limited Company and should be in existence in India for the last 5 years (as on 31.03.2021).
9	**SECTION III, Page No.32. Clause No.12, "Eligibility Criteria"** OEM should be leader in Gartner Quadrant in each of last 3 years as on 31.03.2021 (Not applicable for Made in India Products/Appliance	1. OEM should be leader in Gartner Quadrant in each of last 3 years as on 31.03.2021 (Not applicable for Made in India Products/Appliance. Request to Updated this point to - OEM should be leader in Gartner Quadrant/Forrester Wave for Enterprise Firewalls in last 3 years as on 31.03.2021 (Not applicable for Made in India Products/Appliance. 2. Request to Updated this point to - OEM should be leader in Gartner Quadrant/Forrester Wave for Enterprise Firewalls in last 3 years as on 31.03.2021 (Not applicable for Made in India Products/Appliance. As there are multiple third party publishing reports on NGFW market not all OEM have same positions across all reports. Request you to either change the word from Gartner and/or Forrester or possibly update to leaders in last 3 years to give fair chance to other leading cybersecurity OEM to participate. 3. Request to Updated this point to - OEM should be a leader for 2 years in the Gartner Quadrant in the last 3 years as on 31.03.2021.Request you to change itGartner leader in 2 out	**AMENDMENT:** OEM should be leader in Gartner Quadrant in at least 2 years out of last 3 years as on 31.03.2021 (Not applicable for Made in India Products/Appliance

		of last 3 years togive fair chance to other leading cybersecurity OEM to participate. 4. These flaws restrict other players &make in India (OEM) in qualifying please modify to any of the four quadrants 5. Request you to change it Gartner leader in 2 out of last 3 years to give fair chance to other leading cybersecurity OEM to participate.	
10	**SECTION III, Page No.32. Clause No.12, "Eligibility Criteria"** The Bidder should have Net profit/Positive Net worth during last three financial years (2018-19,2019-20,2020-21)	The Bidder / or its parent company (bidder should be 100% owned subsidiary of the parent company) should have Net profit/Positive Net worth during last three financial years (2018-19,2019-20,2020-21)	**CLARIFICATION:** Adhere to RFP.
11	**SECTION III, Page No.32. Clause No.12, "Eligibility Criteria"** The bidder should have supplied, have experience in supplying, installations and maintenance of the firewalls and its related components solutions quoted, with any Government, private or public organizations in India during last 3 years (as on 31.03.2021) (As reference, copy of Purchase Order to be submitted to the Bank).	1. The bidder/OEM should have supplied, have experience in supplying, installations and maintenance of the firewalls and its related components solutions quoted, with any Government, private or public organizations in India during last 3 years (as on 31.03.2021) (As reference, copy of Purchase Order to be submitted to the Bank). 2. The bidder / or its parent company (bidder should be 100% owned subsidiary of the parent company) should have supplied, have experience in supplying, installations and maintenance of the firewalls and its related components solutions quoted, with any Government, private or public organizations in India during last 3 years (as on 31.03.2021) (As reference, copy of Purchase Order to be submitted to the Bank). 3. Requesting Bank to modify the clause as "The bidder should have supplied, have experience in supplying, installations and maintenance of the firewalls and its related components solutions with any Government,	**CLARIFICATION:** Adhere to RFP.

		private or public organizations in India during last 3 years (as on31.03.2021).	
12	**SECTION III, Page No.32. Clause No.12, "Eligibility Criteria"** The Annual turnover should be more than Rs.25 crores for the last three financial years of the bidder (2018-19,2019-20,2020-21)	1. Bidders who are registered as MSME units with NSIC and have a valid NSIC certificate, Bank may at its own discretion relax the provisions of turnover clause.Request to exempt MSME vendors from Turnover clause as per GFR attached Gazette notification Policy Circular No. 1(2)(1)/2016-MA.	**AMENDMENT:** The Annual turnover should be more than Rs.25 crores for the last three financial years of the bidder (2018-19,2019-20,2020-21) However, the annual turnover for bidder belonging to Micro and Small Enterprises should be more than Rs. 10 Crores for last 3 financial years (2018-19, 2019-20 and 2020-21). If bidder is a startup company, turn over will be "NIL".
13	**SECTION III, Page No.32. Clause No.12, "Eligibility Criteria"** The Annual turnover should be more than Rs.25 crores for the last three financial years of the bidder (2018-19,2019-20,2020-21)	1. The Annual turnover should be more than Rs.25 crores for the last three financial years of the bidder / or its parent company (bidder should be 100% owned subsidiary of the parent company) (2018-19,2019-20,2020-21)	**CLARIFICATION:** Adhere to RFP.
14	**SECTION III, Page No.32. Clause No.12, "Eligibility Criteria"**	1. Request to change the same to enable participation of experienced vendors. 2. We request bank to modify the clause as under: The Bidder should be a Authorized Partner of the OEM for supply and support of the equipment (Document proof has to be	**AMENDMENT:** The Bidder should be an authorized partner of the OEM for supply and support of the equipment (Document

	The Bidder should be a highest level partner of the OEM for supply and support of the equipment (Document proof has to be submitted).	submitted) 3. Bidder should have valid MAF from the OEM 4. Kindly request to modify the clause as "f) The Bidder should be a registered partner of the OEM for supply and support of the equipment (Document proof has to be submitted).	proof from respective OEM has to be submitted).
15	**SECTION III, Page No.34. Clause No.16, "Limitation of Liability"** Supplier's aggregate liability under the contract shall be limited to a maximum of the contract value. For the purpose for the section, contract value at any given point of time, means the aggregate value of the purchase orders placed by bank on the vendor that gave rise to claim, under this tender. This limit shall not apply to third party claims for: 　　a. IP Infringement indemnity 　　b. Bodily injury (including Death) and damage to real property and tangible property caused by vendor/s gross negligence. If a third party asserts a claim against bank that a vendor product acquired under the agreement infringes a patent or copy right, vendor should defend bank against that claim and	Kindly confirm the revision of the clause: Supplier's aggregate liability under the contract shall be limited to a maximum of 50% the annual contract value. This limit shall not apply to third party claims for 　a. IP Infringement indemnity related to Bidder services. 　b. Bodily injury (including Death) and damage to real property and tangible property caused by Supplier 's gross negligence. For the purpose for the section, contract value at any given point of time, means the aggregate value of the purchase order placed by bank on the Supplier that gave rise to claim, under this tender. Neither party shall be shall be liable for indirect, special and consequential loss and damages including but not limited to loss of profit, anticipated savings, loss of data, loss of business.	**CLARIFICATION:** Adhere to RFP.

	pay amounts finally awarded by a court against bank or included in a settlement approved by vendor.		
16	**SECTION III, Page No.34. Clause No.17, "Indemnity Clause"** If at the time of bidder/vendor supplying, installing the Hardware/Software and Support in terms of the present contract/order or subsequently it appears at any point of time that an infringement has occurred of any patents, trademarks or other rights claimed by any third party, then in respect of all costs, charges, expenses, losses and other damages which the Bank may suffer on account of such claim, the supplier shall indemnify the Bank and keep it indemnified in that behalf.	We request that provisions related to Indemnity be restricted to Third party indemnification claims arising from infringement of IPR in respect of the Services provided by Bidder.	**CLARIFICATION:** Adhere to RFP.
17	**SECTION III, Page No.35. Clause No.19, "Patent Rights"** The Supplier shall indemnify the Bank against all third-party claims of infringement of patent, trademark or industrial design rights arising from use of the Goods or any part thereof.	We request that provisions related to Patent rights be restricted to Third party indemnification claims arising from infringement of IPR in respect of the Services provided by Bidder.	**CLARIFICATION:** Adhere to RFP.
18	**SECTION III, Page No.35. Clause**	We request that provisions related to IPR be restricted to Third party indemnification claims arising from infringement	**CLARIFICATION:**

	No.21, "Intellectual Property Rights"	of IPR in respect of the Services provided by Bidder.	Adhere to RFP.
19	**SECTION III, Page No.39. Clause No.29, "Termination for Convenience"** The Bank, by 30 days written notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the Bank's convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective.	1. For the purpose of clarity, we request adding the following clause in continuation to the clause on Termination for Convenience. "In case of termination for convenience, Bank shall also agree to pay, at a minimum besides invoices for services availed till date of termination: i. costs for performing or supplying deliverables as at the date of the termination notice; and ii. costs that may be incurred by Successful bidder, which it is unable to mitigate or recover. 2. Requesting bank to modify the termination of convenience clause by giving the succeful bidder atleast 90 days of notice. This is needed as the bidder has invested significantly for the project and needs sufficient time for termination as it no default.	**CLARIFICATION:** Adhere to RFP.
20	**SECTION III, Page No.39. Clause No.30, "Termination for Default"**	Kindly confirm that the Bank may only terminate if at the end of the 30days, Bidder is unable to remedy the breach. Further termination shall not affect our rights already accrued under the contract for payment of Goods or Services already provided before the date of termination. Kindly remove the portion for any excess costs to be paid by bidder.	**CLARIFICATION:** Adhere to RFP.
21	**SECTION III, Page No.41. Clause No.33, "Negligence"** In connection with the work or contravenes the provisions of other Terms, if the selected bidder neglects to execute the work with due diligence or expedition or refuses or neglects to comply with any reasonable order given to him in writing	Bank to kindly confirm that in the instance of any negligence during the provision of services, Bidder will be provided 30 days notice to remedy the breach before the Bank terminates the contract.	**CLARIFICATION:** Adhere to RFP.

	by the Bank, in such eventuality, the Bank may after giving notice in writing to Corporate Office: Information Technology Department 254-260, Avvai Shanmugam Salai, Royapettah, Chennai – 600014 Ref: CO/ITD/1999/R1/2021-22 Date: 02.11.2021 Page 42 of 89 the selected bidder calling upon him to make good the failure, neglect or contravention complained of, within such times as may be deemed reasonable and in default of the said notice, the Bank shall have the right to cancel the Contract holding the selected bidder liable for the damages that the Bank may sustain in this behalf. Thereafter, the Bank may make good the failure at the risk and cost of the selected bidder.		
22	**SECTION III, Page No.42. Clause No.34, "Negligence"** If the Bank undergoes a merger, amalgamation, take-over, consolidation, reconstruction, change of ownership etc., this RFP shall be considered to be assigned to the new entity and such an act shall not affect the obligations of the Service Provider under this RFP. In such case, decision of the new entity will be binding on the successful bidder.	Requesting Bank to provide prior notification regarding	**CLARIFICATION:** Adhere to RFP. Bank will provide such prior notification for the same.
23	**ANNEXURE V, Page No. 68,** Indemnity clause "The receiving party should indemnify and keep indemnified, saved, defended, harmless against any loss, damage, costs etc. incurred and / or suffered by the disclosing party arising out of breach of confidentiality obligations under this agreement by the	Kindly remove the Indemnity clause from the NDA, as the best remedy for breach of confidentiality if an injunction or a suit for specific performance.	**CLARIFICATION:** Adhere to RFP.

	receiving party etc., officers, employees, agents or consultants."		
24	**Section II, Page No. 13** **Pre Bid Meeting** C. The Bidder is requested to submit any queries/clarifications to the bank to the following email ids on or before 08.11.2021 by 5:00 PM: **arvind.kumar@indianbank.co.in;** **ashish.godbole@indianbank.co.in;** **sasikumar.j@indianbank.co.in;** **arun.ganesh@indianbank.co.in;**	NA	**CLARIFICATION:** **Pre Bid Meeting** C. The Bidder is requested to submit any queries/clarifications to the bank to the following email ids on or before 08.11.2021 by 5:00 PM: <table><tr><td>**Name**</td><td>**Mail ID**</td><td>**Mobile No.**</td></tr><tr><td>Mr. Arvind Kumar</td><td>**arvind.kumar@ indianbank.co.in**</td><td>9326006502</td></tr><tr><td>Mr. Ashish Godbole</td><td>**ashish.godbole@ indianbank.co.in**</td><td>7045315296</td></tr><tr><td>Mr. Sasi Kumar J</td><td>**sasikumar.j@ Indianbank.co.in**</td><td>9176688328</td></tr><tr><td>Mr. Arun Ganesh</td><td>**arun.ganesh@ indianbank.co.in**</td><td>9821298789</td></tr></table>

B. Technical Queries

S.N	RFP Clause	Query Raised	Amendment/ Clarification
1.	**Section III, Page No. 24 &26** **Technical Specification of HO and CO Internal Firewalls from OEM-1&2 (four firewalls:** **Page No. 51, SECTION-V** **Technical Specification of HO and CO Internal Firewalls from OEM-1(four firewalls):** **Page No. 53, SECTION-V** **Technical Specification of HO and CO External Firewalls from OEM2 (Four firewalls):** The Firewall OEM should be Common Criteria EAL 4 certified	1. Clause to be removed. PANW is Common Criteria certified. NIAP no longer accepts EAL-based evaluations and has transitioned to evaluations with exact compliance to technology-specific Protection Profiles (PP) in order to provide achievable, repeatable, testable evaluation results. 2. PANW is Common Criteria certified. NIAP no longer accepts EAL-based evaluations and has transitioned to evaluations with exact compliance to technology-specific Protection Profiles (PP) in order to provide achievable, repeatable, testable evaluation results. Please see https://www.niap-ccevs.org/Ref/FAQ.cfm . Considering the updates to certifications, need Indian Bank confirmation to accept our compliance as Yes. 3. Foreign international Standard Certifications MII Compliance are Exempted from EAL4 Certified Product instead of EAL 4 You can add ROHS,CE,ISO/BIS 4. Request you to Remove or Add ICSA Labs prefered, Justification:- Indian standard certification i.e. IC3S provided by STQC in India or International equivalent or wiz ICSALabs/NSSLabs/NDPP OR Gartner Asia/Pacific Context : Magic Quadrant For Network Firewalls of 2018 & 2019.	**AMENDMENT:** The Firewall OEM should be Common Criteria EAL 4 Certified or NIAP approved protection profile whereas it is not applicable for Make in India Products.
2.	**Section III, Page No. 20** • Solution (Hardware & software) should not be due for declaration of End-of-Sale within 3 years from last date of submission of the Bid. The supplied solution should not be due to reach End-of-Support within 7	1. Solution (Hardware & software) should not be due for declaration of End-of-Sale within 90 Days from last date of submission of the Bid. The support for the supplied solution should be available 6 years from last date of submission of the Bid or 31st December 2027 whichever is earlier.	**CLARIFICATION:** Adhere to RFP

	years from last date of submission of the Bid • Spare parts and complete maintenance during warranty/ AMC to be supported for not less than 5years from the last date of submission of bid		
3.	**Section III, Page No. 19** Bidder shall be responsible for design, supply, installation/re-installation, configuration/reconfiguration, testing, commissioning and subsequent Quarterly preventive maintenance of the Firewall solution in consonance with the Bank's security architecture/ structure during the contract period at no additional cost to the Bank.	1. Require Details of existing Firewall with Firmware version number. 2. Kindly clarify, bidder will be given advanced notice and required timeline to carry on the required changes	**CLARIFICATION:** Adhere to RFP. Existing Firewall with Firmware version details will be shared to successful bidder.
4.	**Section III, Page No. 19** Bidder should supply, install, fine tune and do preventive maintenance of8 (eight) appliance based Next Generation Enterprise Firewalls 4 (four) at HO and 4 (four) at CO along with management servers and required accessories (excluding racks). In the case of Checkpoint Firewall, there is no requirement of management servers as Bank is already having the same.	Kindly clarify, in case of checkpoint management sever bank's security team will take care of all the configuration and integrations of the new gateways or bidder will have to take care. The required license for the gateways in the management server will be provided from banks side.	**CLARIFICATION:** Adhere to RFP. Existing Bank's Checkpoint management servers have feasibility to add additional Gateway with no additional licenses. Bidder need to take care of integrating devices with existing checkpoint management server. However, Bank's operational team will provide necessary support on the activity.

5.	**Section III, Page No. 20** The solutions deployed should be modular, scalable and should be able to address Indian Bank's requirements for the next five years.	We request to specify the expected growth in next five years, it will help us to suggest the required model	**CLARIFICATION:** Adhere to RFP. Serial numbers 3 to 5 under Section-III on Page number 24 & 25 and also on 26 under Technical Specification of Internal and External firewall have clearly specified with expected growth in next 5 years.
6.	**Section III, Page No. 20** Bidder should ensure that installation/operation/commissioning of the proposed solution should not impact business continuity/ should not have significant impact on existing infrastructure	Kindly clarify, the required downtime will be planned along with banks security team and provided for the migration.	**CLARIFICATION:** Adhere to RFP. Bank will provide downtime for planned activity based on Plan of Action shared by bidder.
7.	**Section III, Page No. 21** Installation and performance tuning: Bidder should provide onsite support during installation phase to assist with equipment setup, software installation and configuration and performance tuning	kindly clarify, is it mandatory to provide the onsite resource to carry on this activity or can it be done remotely We request bank to clarify on integrating the new firewalls to the existing ITSM tool to monitor the supported performance parameters and fine tune it.	**CLARIFICATION:** Adhere to RFP. The installation, integration and configuration have to be done by bidder resource onsite. The performance and fine tuning of the devices will be done by the successful bidder. Firewalls needs to be integrated with existing Bank's ITSM tool for alerts.
8.	**Section III, Page No. 22** Cost of all customization efforts required to be included in Commercial Bid and Bank	We request bank to elaborate on the customization part, like any customization is already expected from the banks side	**CLARIFICATION:** Adhere to RFP. The details of customization will be

	shall not pay additional cost for such effort Submission of detailed plan for implementation of the solution. Plan should include the full scope of the project. Implementation/ customization including supply, installation and testing of the solution etc. Completion of the project within 11 weeks from the date of issue of PO.		shared with successful bidder.
9.	**Section III, Page No. 30** The supplier is expected to do preventive maintenance of all the Firewalls on quarterly basis and submit the report. The report should have details of system uptime, RAM usage, Storage details, CPU utilization etc. The hardening has to be done as per best security practices. Any degradation in the performance of the solution and services is subject to levying penalties on payment.Preventive maintenance of all the firewalls are supposed to be performed within 2 weeks from end of each quarter. In case of failure of performing the preventive maintenance it will lead to penalty.	We request bank to clarify, if the bidder will be able to provide the reports generated from the provided firewall management sever only is that fine.	**CLARIFICATION:** Adhere to RFP. We need the report from individual Firewall device/Management Server.
10.	**Section III, Page No. 31** Overall Availability, Performance	We request bank to clarify, for the firewall availability report devices needs to be integrated with the existing ITSM tool, our understanding is that bank will allow us to integrate with the	**CLARIFICATION:**

	Measurements, Preventive Check and Health Check-up will be on a quarterly basis for the purpose of Service Level reporting. Month wise "Availability and Performance Report" will be provided by the Supplier for every quarter in the Bank suggested format and a review shall be conducted based on this report. Availability and Performance Report provided to Bank shall contain the summary of all incidents reported and associated performance measurement for that period.	existing ITSM tool.	Adhere to RFP. The Firewall availability and other performance based reports should be generated from individual Firewall device/Management Server.
11.	**Section III, Page No. 24** **Technical Specification of HO and CO Internal Firewalls from OEM-1(four firewalls)** Proposed firewall appliance should support minimum of 18 Gbps of NGFW throughput	1. Kindly request you to confirm " if NGFW throughput was intended to be 8 Gbps or 18Gbps 2. Please confirm if NGFW throughput was intended to be 8 Gbps or 18Gbps 3. Please confirm if NGFW throughput was intended to be 8 Gbps or 18Gbps	**CLARIFICATION:** Adhere to RFP.
12.	**Section III, Page No. 25, Point No.12** Appliance must have minimum 32 GB of RAM and 240 GB storage. RAM should be upgradable up to 128GB.	1. Kindly request you to consider the clause as " Appliance must have minimum 16 GB of RAM and 240 GB storage." Products from different OEMs are based on different architecture due to which the resources (CPU, memory etc.) required for delivering same level of performance, also varies. Our solution supports more than 5 million concurrent sessions with less memory. We request to change the clause as follows - Appliance	**AMENDMENT:** Appliance must have minimum 32 GB of RAM and 240 GB storage (or SSD storage).

must have minimum 16GB of RAM and 240 GB storage.

2. Modification for appliance to have physical cores and not any workaround with virtual cores causing processing overhead.(2) RAM capacity is volatile memory used for increasing sessions. Firewall comes equipped with necessary RAM size and does not affect throughput requested by Indian Bank. Based on OEM, RAM/CPU utilization will be different for different vendors and an upgradable RAM is not necessary

3. Appliance must have minimum 16 GB of RAM and 240 GB storage.

4. Products from different OEMs are based on different architecture due to which the resources (CPU, memory etc.) required for delivering same level of performance, also varies. Our solution supports more than 5 million concurrent sessions with less memory. We request to change the clause as follows- Appliance must have minimum 16GB of RAM and 240 GB storage.

5. Appliance must have minimum 16 GB of RAM and 240 GB storage.
   Products from different OEMs are based on different architecture due to which the resources (CPU, memory etc.) required for delivering same level of performance, also varies.

6. Appliance must have minimum 16 GB of RAM and 240 GB storage.
   Products from different OEMs are based on different architecture due to which the resources (CPU, memory etc.) required for delivering same level of performance, also varies.
   Our solution supports more than 5 million concurrent sessions with less memory.

		We request to change the clause as follows- Appliance must have minimum 16GB of RAM and 240 GB storage. 7. Request to update the point - Appliance must have minimum 32 GB of RAM and 800 GB storage. RAM upgrade point is OEM specific. RAM Upgrade alone does not make any values as processing are CPU intensive which is not upgradeable. This is more of marketing gimic. Also as bank has already requested for scalable solution where they should be able to add additional devices to form cluster to gain more throughput, request bank to consider this. Now for a firewall of throughput of 18 Gbps, considering the amount of New CPS demanded by bank in point 9 on page 52, it`s expected to generate huge connection and security event logs for different security engines like IPS, AVC, QoS, Zero day etc. Request bank to increase storage to 800 GB within Firewall.	
13.	**Section III, Page No. 23, 4th Bullet Point** - New bullet pointed added	NA	**AMENDMENT:** Once installation and configuration of firewall at both locations is completed by successful bidder, SME (Subject Matter Expertise) from respective OEM will audit the setup and share report to Bank. The compliance of the observations pointed out in the report has to be done by the bidder before sign off.
14.	**Section III, Page No. 23, 5th Bullet Point** - New bullet pointed added		**AMENDMENT:** Firewalls have to be degaussed before taking away from Bank's premises. The certificate of degaussing has to be submitted by the successful bidder to the Bank and cost towards degaussing of Firewalls has to be borne by the bidder.

15.	**Section III, Page No. 26, Point No.10** **&** **Section V, Page No.54 , Point No. 10** The APT solution should be capable of bare metal analysis to identify unknown malware.		**AMENDMENT:** The APT solution should be capable to identify unknown malware, inspect and block/quarantine all network sessions regardless of protocols for suspicious activities, exploits, threats present in all file types and web objects using Sandboxing and other technologies with throughput near real time analysis of network packets.
16.	**Section III, Page No. 25, Point No.21** 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	Request Bank to remove this, as all OEM's do not offer this.	**CLARIFICATION:** Adhere to RFP.
17.	**Section III, Page No. 25, Point No.8** Solution must provide a linear performance growth by adding additional hardware in to the existing setup**.**	Request Bank to remove this, as all OEM's do not have modular expansion for performance.	**CLARIFICATION:** Adhere to RFP.
18.	**Section III, Page No. 25, Point No.5** Proposed firewall should be able to scale up	1. Please change to 19 Gbps 2. Kindly request you to consider the clause as "Proposed firewall should be able to scale up to 20Gbps of threat prevention throughput from Day-1" As per the Industry Best Practice, the HA cluster must be	**CLARIFICATION:** Adhere to RFP.

	to 20Gbps of threat prevention throughput in future if required by adding additional hardware in to the existing cluster to meet the future growth or the same can be supplied from Day-1	either Active-Passive or Active-Active which require only 2 physical devices. Adding more devices in the cluster will complicate the Network Setup and adding more cost as well. Hence requesting you to either add 20Gbps Threat Prevention throughput from day one or remove this clause which is favoring only the single vendor in the Gartner Leader quadrant 3. The understanding is that bank will purchase the additional hardware in future if needed and bidder needs to supply the hardware with the minimum throughput of 3.5 gbps threat prevention on Day 1. Kindly confirm 4. Proposed firewallshould be able to scale up to 20Gbps of threat prevention throughput from Day-1. As per the Industry Best Practice, the HA cluster must be either Active-Passive or Active-Active which require only 2 physical devices. Adding more devices in the cluster will complicate the Network Setup and adding more cost as well. Hence requesting you to either add 20Gbps Threat Prevention throughput from day one or remove this clause which is favoring only the single vendor in the Gartner Leader quadrant	
19.	**Section III, Page No. 25, Point No.22** **&** **Section III, Page No. 28, Point No.36** **Section V, Page No. 53, Point No.22**	Request you to remove- KerbroS, Older technique of authentication, difficult to implement & doesn't support multiple web-based platform. Request you to add Active Directory is which more secured.	**<u>AMENDMENT:</u>** Proposed firewalls should be capable of following authentication protocols ☐ LDAP/AD ☐ TACAS/Radius ☐ Token-based solutions

	& **Section V, Page No. 57, Point No.36** Proposed firewalls should be capable of following authentication protocols ☐ LDAP ☐ TACAS/Radius ☐ Token-based solutions ☐ Kerberos		☐ Kerberos
20.	**Section III, Page No. 25, Point No.6** Firewall must have 10*1G Copper RJ45 ports and minimum of 8*10G SFP+ with necessary transceivers from Day-1.	1. Need inputs on the whether the workload demands those many ports in each firewall 2. The number of 10G ports mentioned are 8. We need to check if their workload demands those many ports in each firewall. 3. The number of 10G ports mentioned are 8.We need to check if their workload demands those many ports in each firewall.	**CLARIFICATION:** Adhere to RFP.
21.	**Section III, Page No. 25, Point No.9** Proposed firewall should be capable of minimum of 1,00,000 new sessions per seconds	1. Kindly request you to consider 90K Minimum new sessions of 1,00,000 - Need to understand if 90K sessions are OK, logically these are internal firewalls hence 90K sessions should be more than OK. 2. Minimum new sessions of 1,00,000 – Need to understand if customer needs 1lakh, logically these are internal firewalls hence < 1lakh sessions should be more than OK	**CLARIFICATION:** Adhere to RFP.

22.	**Section III, Page No. 25, Point No.15** The IPS should have minimum 10000+ CVE. Application control database must contain more than 3500+ known applications. Should have a URL categorization that exceeds 100+ million URLs	Change to 6000+ IPS Signatures. 1490 Applications. Dynamically updated base containing over 20 million URLs, IPs and domains	**CLARIFICATION:** Adhere to RFP.
23.	**Section III, Page No. 26, Point No.24** The administrator must be able to view and generate report on the CPU & RAM usage/utilization between a defined period for management activities and for other activities.	Should show for seconds, minutes, hours and days of CPU utilization and memory for last 30 days	**Clarification:** Adhere to RFP. It should be able to generate report in all scenarios with date and time
24.	**Section III, Page No. 26, Point No.13** Solution should support connectivity of 1Gbps and 10Gbps and it should be capable of supporting 40Gbps in case of additional requirements in future.	1. Modification requested to support 40G QSFP+ ports on Day1 to accommodate increasing traffic flow without overwhelming 1/10G ports 2. Kindly request you to modify the clause as "Solution should support 40G QSFP+ interfaces in addition to existing 1G and 10G ports from Day 1" 3. Modification requested to support 40G QSFP+ ports on Day1 to accommodate increasing traffic flow without overwhelming 1/10G ports 4. Solution should support 40G QSFP+ interfaces in addition to existing 1G and 10G ports from Day 1 Modification requested to support 40G QSFP+ ports on Day1 to accommodate increasing traffic flow without	**CLARIFICATION:** Adhere to RFP.

		overwhelming 1/10G ports 5. Modification requested to support 40G QSFP+ ports on Day1 to accommodate increasing traffic flow without overwhelming 1/10G ports Solution should support 40G QSFP+ interfaces in addition to existing 1G and 10G ports from Day 1	
25.	**Section III, Page No. 26, Point No.5** Proposed firewall should be able to scale up to 20Gbps of threat prevention throughput in future if required by adding additional hardware in to the existing cluster to meet the future growth or the same can be supplied from Day-1	1. Please change to 19 Gbps 2. Kindly request you to consider the clause as " Proposed firewall should be able to scale up to 20Gbps of threat prevention throughput in future without adding any additional HW appliance" As per the Industry Best Practice, the HA cluster must be either Active-Passive or Active-Active which require only 2 physical devices. Adding more devices in the cluster will complicate the Network Setup and adding more cost as well. Hence requesting you to either add 20Gbps Threat Prevention throughput from day one or remove this clause which is favoring only the single vendor in the Gartner Leader quadrant. 3. Proposed firewall should be able to scale up to 20Gbps of threat prevention throughput in future without adding any additional HW appliance. 4. As per the Industry Best Practice, the HA cluster must be either Active-Passive or Active-Active which require only 2 physical devices. Adding more devices in the cluster will complicate the Network Setup and adding more cost as well. Hence requesting you to either add 20Gbps Threat Prevention throughput from day one or remove this clause which is favoring only the single vendor in the Gartner Leader quadrant	**CLARIFICATION:** Adhere to RFP.

26.	**Section III, Page No. 26, Point No.6** Firewall must have 10*1G Copper RJ45 ports and minimum of 8*10G SFP+ with necessary transceivers from day one and it should be upgradable in case of additional requirements in future.	1. Request Bank to change to 6*10G SFP+ 2. Does Workload demand these many ports in each Firewall - Kindly confirm	**CLARIFICATION:** Adhere to RFP.
27.	**Section III, Page No. 27, Point No.14** Appliance must have minimum 32 GB of RAM, minimum 12 physical cores and 240 GB storage. RAM Should be upgradable up to 128 GB	1. Modification for appliance to have physical cores and not any workaround with virtal cores causing processing overhead. 2. RAM capacity is volatile memory used for increasing sessions. Firewall comes equipped with necessary RAM size and does not affect throughput requested by Indian Bank. Based on OEM, RAM/CPU utilization will be different for different vendors and an upgradable RAM is not necessary 3. 31 GB RAM, 16 cores and 256 GB storage and RAM Upgrade to be removed 4. Kindly request you to conider the clause as " Appliance must have minimum 16 GB of RAM, minimum 6 cores and 240 GB storage. Products from different OEMs are based on different architecture due to which the resources (CPU, memory etc.) required for delivering same level of performance, also varies. Our solution supports more than 5 million concurrent sessions with less memory, less CPU We request to change the clause as follows- Appliance must have minimum 16 GB of RAM, minimum 6 cores and 240 GB storage. 5. Appliance must have minimum 16 GB of RAM, minimum 6 cores and 240 GB storage.	**AMENDMENT:** Appliance must have minimum 32 GB of RAM, minimum 12 physical cores and 240 GB storage (or SSD storage).

Products from different OEMs are based on different architecture due to which the resources (CPU, memory etc.) required for delivering same level of performance, also varies.

Our solution supports more than 5 million concurrent sessions with less memory, less CPU

We request to change the clause as follows- Appliance must have minimum 16 GB of RAM, minimum 6 cores and 240 GB storage.

6. Appliance must have minimum 16 GB of RAM, minimum 6 cores and 240 GB storage.

Products from different OEMs are based on different architecture due to which the resources (CPU, memory etc.) required for delivering same level of performance, also varies. Our solution supports more than 5 million concurrent sessions with less memory, less CPU

We request to change the clause as follows- Appliance must have minimum 16 GB of RAM, minimum 6 cores and 240 GB storage.

RAM Should be upgradable up to 128 .- The RAM that is required for the mentioned throughput and no of sessions is 16 GB for this solution. As per your request we can give 32GB which is more than sufficient to cater your needs for next 5 years .

7. Appliance must have minimum 16 GB of RAM and 240 GB storage.

Products from different OEMs are based on different architecture due to which the resources (CPU, memory etc.) required for delivering same level of performance, also varies.

Our solution supports more than 5 million concurrent sessions with less memory.

We request to change the clause as follows- Appliance must have minimum 16GB of RAM and 240 GB storage.

8. (1) Modification for appliance to have physical cores and not any workaround with virtual cores causing processing overhead.(2) RAM capacity is volatile memory used for increasing sessions. Firewall comes equipped with necessary RAM size and does not affect throughput requested by Indian Bank. Based on OEM, RAM/CPU utilization will be different for different vendors and an upgradable RAM is not necessary.

   Appliance must have minimum 32GB of RAM and 240GB storage. It should have minimum 20 physical cores with x86 processor and not an ASIC based solution. No workaround on this will not be accepted.

9. Appliance must have minimum 16 GB of RAM, minimum 6 cores and 240 GB storage.

   Products from different OEMs are based on different architecture due to which the resources (CPU, memory etc.) required for delivering same level of performance, also varies.

   Our solution supports more than 5 million concurrent sessions with less memory, less CPU

   We request to change the clause as follows- Appliance must have minimum 16 GB of RAM, minimum 6 cores and 240 GB storage.

10. Appliance must have minimum 16 GB of RAM, minimum 6 cores and 240 GB storage.

   Products from different OEMs are based on different architecture due to which the resources (CPU, memory etc.) required for delivering same level of performance,

		also varies. Our solution supports more than 5 million concurrent sessions with less memory, less CPU We request to change the clause as follows- Appliance must have minimum 16 GB of RAM, minimum 6 cores and 240 GB storage.	
28.	**Section III, Page No. 27, Point No.22** Reports on risk analysis of firewall rules based on bank's own current Risk Matrix which will learn and develop on an ongoing basis and would be based on Zone to Zone, Subnet to Subnet or IP to IP etc.	1. Request to confirm the tool that is being used for Risk assessments and the level of integration that is needed with the firewall for the same. 2. Please change to providing summary and hygiene of the policies. 3. Request to confirm the tool that is being used for Risk assessments and the level of integration that is needed with the firewall for the same. 4. Configuration of firewall rules depending on Bank current Risk Matrix needed to configured Manually, automatic learning can lead to many security risk and threat violation.	**CLARIFICATION:** Adhere to RFP. Tool details are already mentioned in "Details of Technical Specification/Requirement" point number 6 on page no. 23
29.	**Section III, Page No. 27, Point No.22** NGFW must be able to provide Machine learning features for advanced protections directly from the NGFW with no external connection needed.	NGFW must be able to provide Machine learning features for advanced protections Or Kindly remove the same This point is favoring the single vendor & this will restrict healthy competition from other OEM's. Hence we are requesting to remove the clause To get more granular Machine Learning results, its always recommended to have the centralized security update server from the same OEM which can able to get the feeds from across the globe. Request Bank to remove this as ML cannot be updated without external connection	**CLARIFICATION:** Adhere to RFP.

		Advanced data protection available on Cloud basis. Justification:- Since the hardware is limited, if the traffic increases in future, a newer box will have to be procured, resulting in loss on investment	
30.	**Section III, Page No. 27, Point No.23** **&** **Section V, Page No. 55, Point No.23** Proposed Firewall rules optimization: 1. Unused Rules Calculation for specific time period based on Firewall Traffic Logs. 2. Analysis on Covered/Shadow/Hidden Rules 3. Analysis on Rules Consolidation (Merging of similar kind of rules) 4. Analysis on Redundant Rules 5. Tightening of Overly Permissive Rules (Any-Any) 6. Analysis on Unattached/Unused Objects to simplify objects management 7. Analysis on Rule-Reordering to improve the performance of the Firewall 8. Analysis on Disabled/Expired	1. Rule optimization is possible using a combination of on-firewall capabilities and external tools that are available from Palo Alto Networks. The bank / System Integrator will be provided with all the relevant tools to achieve these requirements. 2. Request you to accept We have achieve this by doing Manually	**AMENDMENT:** Points (8) removed.

	Rules for enhanced visibility on the Firewall		
31.	**Section III, Page No. 28, Point No.35** 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	Request bank to remove this clause	**CLARIFICATION:** Adhere to RFP.
32.	**Section V, Page No. 52, Point No.12** Appliance must have minimum 32 GB of RAM and 240 GB storage. RAM should be upgradable up to 128GB.	Appliance must have minimum 32GB of RAM and 240GB storage. It should have minimum 20 physical cores with x86 processor and not an ASIC based solution. No workaround on this will not be accepted. Modification for appliance to have physical cores and not any workaround with virtual cores causing processing overhead. RAM capacity is volatile memory used for increasing sessions. Firewall comes equipped with necessary RAM size and does not affect throughput requested by Indian Bank. Based on OEM, RAM/CPU utilization will be different for different vendors and an upgradable RAM is not necessary	**AMENDMENT:** Appliance must have minimum 32 GB of RAM and 240 GB storage (or SSD storage)
33.	**Section V, Page No. 52, Point No.9** Proposed firewall should be capable of minimum of 1,00,000 new sessions per seconds	1. Proposed firewall should be capable of minimum of 1,00,000 new sessions per seconds with AVC.Request bank to update the point to demand such a high new sessions per second for NGFW with AVC, as the sessions counts with and without AVC matters, this is to avoid undue advantage to other OEMs. Also as in point 15 bank is demanding for AVC signatures which is default feature of NGFW it`s important new sessions count numbers provided are with AVC and not without AVC as per publically available datasheets just to avoid sizing of	**CLARIFICATION:** Adhere to RFP. The device data sheet should have number of sessions

		NGFW based on L3/L4 based sessions per second. 2. Proposed firewall should be capable of minimum of 1,00,000 new sessions per seconds with AVC. Request bank to update the point to demand such a high new sessions per second for NGFW with AVC, as the sessions counts with and without AVC matters, this is to avoid undue advantage to other OEMs. Also as in point 15 bank is demanding for AVC signatures which is default feature of NGFW it`s important new sessions count numbers provided are with AVC and not without AVC as per publically available datasheets just to avoid sizing of NGFW based on L3/L4 based sessions per second. 3. Request bank to update the point to demand such a high new sessions per second for NGFW with AVC, as the sessions counts with and without AVC matters, this is to avoid undue advantage to other OEMs. Also as in point 15 bank is demanding for AVC signatures which is default feature of NGFW it`s important new sessions count numbers provided are with AVC and not without AVC as per publically available datasheets just to avoid sizing of NGFW based on L3/L4 based sessions per second.	
34.	**Section V, Page No. 53, Point No.18** Solution must support access control for at least 150 predefined services/ protocols	1. Remove this point Point 15 bank has already asked NGFW supporting for 3500+ application which can automatically Identify applications irrespective of port and protocols. As NGFW is already identifying based on applications ask for 150 service and protocols is of no great use unless bank wants to write port-protocol based rules, which contradicts with application ask in point 15. 2. Remove this point point 15 bank has already asked NGFW supporting for 3500+ application which can automatically Identify applications	**CLARIFICATION:** Adhere to RFP.

		irrespective of port and protocols. As NGFW is already identifying based on applications ask for 150 service and protocols is of no great use unless bank wants to write port-protocol based rules, which contradicts with application ask in point 15. 3. PANW is L7 application based firewall which in-turn has default ports defined. Standard ports defined against applications much exceeds this number	
35.	**Section V, Page No. 54, Point No.8** Bank has Sandblast web APT appliance which has to be integrated with new Firewalls, if possible. In the case of new Checkpoint Firewall, Bank's existing Sandblast appliance has to be integrated mandatorily.	(1) Complied in Point No.9 4. Request to change or Remove "will provide Cloud Based Sandboxing. Justification: - On Appliance Sandboxing are also limited on the kind of malware they can detect; they may not have the appropriate hardware to tackle newer malware. Many malware writers take advantage of this to bypass detection thus making on premise appliances redundant.	**CLARIFICATION:** Adhere to RFP.
36.	**Section V, Page No. 54, Point No.9** **& Section III, Page No. 26, Point No.9** If point no.8 is not complied, then proposed solution should have cloud based APT Solution, unknown malware analysis service with guaranteed protection signature with delivery near real time	Complied in Point No.9	**AMENDMENT:** If point no.8 is not complied, then proposed solution should have on premise APT Solution (NGFW inbuilt or separate device) with guaranteed protection signature with delivery near real time.
37.	**Section V, Page No. 54, Point No.11** Proposed solution should be capable of minimum of 1,00,000 new sessions per	Does 90,000 sessions per second is sufficient - Kindly confirm	**CLARIFICATION:** Adhere to RFP.

	second		

38.	**Section V, Page No. 54, Point No.14**
	
	Appliance must have minimum 32 GB of RAM, minimum 12 physical cores and 240 GB storage. RAM Should be upgradable up to 128 GB
		1. Modification for appliance to have physical cores and not any workaround with virtual cores causing processing overhead.
		2. RAM capacity is volatile memory used for increasing sessions. Firewall comes equipped with necessary RAM size and does not affect throughput requested by Indian Bank. Based on OEM, RAM/CPU utilization will be different for different vendors and an upgradable RAM is not necessary
		3. 31 GB RAM, 16 cores and 256 GB storage and RAM Upgrade to be removed
		4. Kindly request you to consider the clause as " Appliance must have minimum 16 GB of RAM, minimum 6 cores and 240 GB storage.
		   Products from different OEMs are based on different architecture due to which the resources (CPU, memory etc.) required for delivering same level of performance, also varies.
		   Our solution supports more than 5 million concurrent sessions with less memory, less CPU
		   We request to change the clause as follows-
		   Appliance must have minimum 16 GB of RAM, minimum 6 cores and 240 GB storage.
		5. Appliance must have minimum 16 GB of RAM, minimum 6 cores and 240 GB storage.
		   Products from different OEMs are based on different architecture due to which the resources (CPU, memory etc.) required for delivering same level of performance, also varies.
		   Our solution supports more than 5 million concurrent sessions with less memory, less CPU
			AMENDMENT:
			
			Appliance must have minimum 32 GB of RAM, minimum 12 physical cores and 240 GB storage (or SSD storage).

We request to change the clause as follows- Appliance must have minimum 16 GB of RAM, minimum 6 cores and 240 GB storage.

6.   Appliance must have minimum 16 GB of RAM, minimum 6 cores and 240 GB storage.

Products from different OEMs are based on different architecture due to which the resources (CPU, memory etc.) required for delivering same level of performance, also varies. Our solution supports more than 5 million concurrent sessions with less memory, less CPU

We request to change the clause as follows- Appliance must have minimum 16 GB of RAM, minimum 6 cores and 240 GB storage.

RAM Should be upgradable up to 128 .- The RAM that is required for the mentioned throughput and no of sessions is 16 GB for this solution. As per your request we can give 32GB which is more than sufficient to cater your needs for next 5 years.

7.   Appliance must have minimum 16 GB of RAM and 240 GB storage.

Products from different OEMs are based on different architecture due to which the resources (CPU, memory etc.) required for delivering same level of performance, also varies.

Our solution supports more than 5 million concurrent sessions with less memory.

We request to change the clause as follows- Appliance must have minimum 16GB of RAM and 240 GB storage.

8.   (1) Modification for appliance to have physical cores and not any workaround with virtual cores causing processing overhead.(2) RAM capacity is volatile memory used for increasing sessions. Firewall comes equipped with

necessary RAM size and does not affect throughput requested by Indian Bank. Based on OEM, RAM/CPU utilization will be different for different vendors and an upgradable RAM is not necessary.

Appliance must have minimum 32GB of RAM and 240GB storage. It should have minimum 20 physical cores with x86 processor and not an ASIC based solution. No workaround on this will not be accepted.

9. Appliance must have minimum 16 GB of RAM, minimum 6 cores and 240 GB storage.

Products from different OEMs are based on different architecture due to which the resources (CPU, memory etc.) required for delivering same level of performance, also varies.

Our solution supports more than 5 million concurrent sessions with less memory, less CPU

We request to change the clause as follows- Appliance must have minimum 16 GB of RAM, minimum 6 cores and 240 GB storage.

10. Appliance must have minimum 16 GB of RAM, minimum 6 cores and 240 GB storage.

Products from different OEMs are based on different architecture due to which the resources (CPU, memory etc.) required for delivering same level of performance, also varies.

Our solution supports more than 5 million concurrent sessions with less memory, less CPU

We request to change the clause as follows- Appliance must have minimum 16 GB of RAM, minimum 6 cores and 240 GB storage.