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S.No	Section	Page .No	Point	Eligibility Criteria	Queries	Indian Bank Response
1	Wireless Access Point	28	1	Access Point must have 8x8 MIMO on 5GHz radio and 4x4 MIMO on 2.4Ghz interfaces with WIFI6 and 802.11AX support day one.	Access Point must have 4x4 MIMO on 5GHz radio and 4x4 MIMO on 2.4Ghz interfaces with WIFI6 and 802.11AX support day one.	Please refer Amendments for Wireless Access Point. Point No:10
2		28	5	Access Point shall support integrated BLE5 radio and Zigbee Radio or external as an option for IOT	Access Point shall support integrated BLE5 radio	Please refer Amendments for Wireless Access Point. Point No:11
3		28	8	Access Point should have 2x 100, 1000, 2500 Multigigabit Ethernet (RJ- 45) – IEEE 802.3bz for HA with hitless failover on POE	Access Point should have 1 x 100, 1000, 2500 Multigigabit Ethernet (RJ- 45)	Please refer Amendments for Wireless Access Point. Point No:13
4		29	11	Must Support data rate upto 5 gbps of practical real world throughput.	Must Support data rate upto 5 gbps of data rate	Please refer Amendments for Wireless Access Point. Point No:14



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5		28	2	Access must be able to powered up using PoE (.af) and should support full features with PoE+	Access must be able to powered up using PoE 802.11bt and should support full features with PoE+	No Change
6		28	7	Access Point shall support console port that uses standard port ( RJ45) type connection	Access Point shall support console port that uses standard port ( RJ45) / Mini-USB type connection	Please refer Amendments for Wireless Access Point. Point No:12
7		29	16	Must have 2GB of DRAM with minimum of 1GB Flash	Must have required DRAM with and flash for seamless operation of Aps	Please refer Amendments for Wireless Access Point. Point No:15
8		28	27	802.11e and WMM	802.11e and WMM and WPA3 backward compatible to WPA2	No Change
9		29	29	POE to AP should be Dual cabling to provide data connection and power	Need to be removed	Please refer Amendments for Wireless Access Point. Point No:16
10	Wireless Controller	32	57	WLC should detect if someone connect a Rogue Access Point in network and able to take appropriate action to contain rogue Access point.	Technically not possible, NAC should take care of Physical network access of Bank.	No Change

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11		30	6	The controller shall support 20 Gbps tunneling capacity	The controller shall support 5 Gbps initially and upgradable 10 Gbps throughput	Please refer Amendments for Wireless Controller. Point No:17
12		30	19	The controller shall support rolling AP upgrade without need for clustering	Yes, in AC hot stand by upgrade without user traffic.	No Change
13		30	25	The controller shall provide per-Client Connection Scoring and provide reasoning of Client Connection Score	Need more clarity....please brief us...	Spectrum analysis of each and every end user devices to be monitored real-time for best WIFI connectivity and seamless mobility experience
14		30	26	The controller shall support Cellular offload using IPv6 tunneling to Mobile Core network	We will support IPv6, need more clarity on cellular offloading part.	No Change.
15		31	35	The controller shall provide policy-based mDNS gateway including Chromecast gateway	We supports mDNS service . "Request to remove Chromecast gateway"	No Change



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16		32	53	WLAN controller should provide Application visibility with both traffic forwarding mode i.e. when traffic coming to controller and when traffic moving locally from Ap to connected access switch. Admin should have option to create policies to allow or deny access based on applications	Request to remove this point.	No Change
17	8 Port POE+ Switch	32	1	Switch shall have 8 nos. 10/100/1000 Base-T ports and additional 4 nos. SFP+ uplinks ports.	The switch must have 8 ports of GE PoE+ with uplinks of 2 SFP/ RJ-45 combo ports	Please refer Amendments for 8 Port POE+ Switch.Point No:18
18		32	2	All 8 port should support PoE (802.3af) and PoE+ (802.3at) and 802.3Bt with a PoE power budget of 370 W.	Must have 120 W or higher of POE+ budget for connecting devices	Please refer Amendments for 8 Port POE+ Switch. Point No:19
19		32	6	Must have 120 W or higher of POE+ budget for connecting devices	It is somewhere mentioned as 120W & 370W, for 8 ports switch 120W will be enough	Please refer Amendments for 8 Port POE+ Switch. Point No:20
20		32	4	Switch should support internal field replaceable unit redundant power supply from day 1	Generally 24 port switch will be recommended to have dual power supply or RPS	No Change



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21		32	5	Switch should have dedicated slot for modular/ports for stacking, in addition to asked uplink ports. Should support for minimum 48 Gbps of stacking throughput with 8 switch in single stack.	Must support for Single IP Management with up to eight switches and manage them via a single IP address	Please refer Amendments for 8 Port POE+ Switch. Point No:21
22		32	12	must have MTU-L3 packet 9k bytes and Jumbo Ethernet frame 10k bytes	Switch must support for 9K of Jumbo frames	Please refer Amendments for 8 Port POE+ Switch. Point No:23
23		33	10	Must support for IPv4 multicast routes and IGMP groups 1024	Must support for IPv4 multicast routes and IGMP groups 1000	Please refer Amendments for 8 Port POE+ Switch. Point No:22
24		32	4	Switch should support internal field replaceable unit redundant power supply from day 1	Generally 24 port switches will recommend to have dual power supply or RPS	No Change
25		q	25	Switch should support network segmentation that overcomes the limitation of VLANs using VXLAN	Why we need VXLAN in access switches? Please brief.	Please refer Amendments for 8 Port POE+ Switch. Point No:26
26		32	7	Must have 1GB of DRAM with minimum of 1GB Flash	Must have required DRAM with and flash for seamless operation of Switch	No Change



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27		32	11	Must have support for active VLANs 256 and VLAN IDs available of minimum 4094	Maximum vlan limit is 4096 for any switch. Most only high-end switches can really support 4K VLANS, please remove 4K part.	No Change
28		32	15	Must support shaped round robin (SRR) and Weighted Tail Drop (WTD) for congestion avoidance.	Vendor specific features ; Request you to leave it OEM's technologies	Please refer Amendments for 8 Port POE+ Switch. Point No:24
29		33	22	Switch should support 128 or more STP Instances.	Instead of STP, change to "Switch should support RPVST+ or MSTP Instances."	Switch should support RPVST+ or MSTP Instances." Point No:25
30	Managed switch	34	2	The proposed switch should have modular uplink capability ( i.e. the current 4 x 40G ports should be able to be changed to higher capacity in future as required).	Request to remove the spec for the same	Please refer Amendments for Managed switch. Point No:28



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31		34	17	The Proposed Switch should support RIP, PVLAN, VRRP, PBR, QoS, FHS, 802.1X,	FHS is proprietary protocol and Request to modify as 'IPV6 security'	Please refer Amendments for Managed switch. Point No:29
32		34	1	Proposed switch must have 24 * 1/10 (SFP / SFP+) and 4 * 40/100G (QSFP / QSFP+) Ports	The Proposed Switch should have the following Ports : - a. 24 * 1/10 G and 4 * port 40/100G or 25/50G from day 1 b. 24 port need to be populated as per the SFP requirement c. 2 * 40 Gbps or 2*50 Gbps need be connected either via QSFP+ or QSFP56 Cables to form HA between Switches	Please refer Amendments for Managed switch. Point No:27
33		35	32	The Proposed switch must have support for 60000 flow entries	The proposed switch must have support for Granular flow entries	Please refer Amendments for Managed switch. Point No:32



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34		34	8	switch must Must have 8GB of DRAM with minimum of 8GB Flash	Must have required DRAM with and flash for seamless operation of Switch	No Change
35		34	23	The Proposed Switch Must support USB 3.0	Please change to "The Proposed Switch Must support USB".	Please refer Amendments for Managed switch. Point No:30
36		34	24	The Proposed Switch must Support for 250 STP Instances	Instead of STP, change to "Switch should support RPVST+ or MSTP Instances."	Please refer Amendments for Managed switch. Point No:31
37		34	31	The Proposed switch must have support for 6 MB buffer	The Proposed switch must have support for 30 MB buffer	No Change
38	<b>Firewall on HA with URL filtering &amp; AVC</b>	35	1	The firewall solution offered must be rated as leaders or challengers in the latest Magic Quadrant for Enterprise Firewall by Gartner for last 3 years.	Request you to include only Leaders in all of the last 5 years	No Change
39		35	3	The appliance should support at least 12 X 1G Copper and 4 X 1 / 10G ports from day 1 availability and must be expandable ports for future requirements.	Request you to consider 8 X 1G Copper and 4 X 1 / 10G ports from day 1	Please refer Amendments for Firewall on HA with URL filtering & AVC. Point No:35





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40		36	18	Should support more than 25000 (excluding custom application signatures) IPS signatures or more. Should support capability to configure correlation rules/events where multiple rules can be combined together for better efficacy.	Request you to reduce the signatures to 10,000 +	Please refer Amendments for Firewall on HA with URL filtering & AVC. Point No:36
41		36	20	Should support integration with NAC solution used for Guest Service to ensure that Guest Identity/Contexts are shared with NGFW to simplify the access rules based on Tags/Contexts/Identity/ Location of the guest users.	Please confirm if Cisco ICE integration alone is sufficient. If no, kindly remove this specification enabling us to participate or change it as below "Should support integration with NAC solution"	No Change
42		36	22	Should support the capability to quarantine end point by integrating with other security solutions like Network Admission Control.	Please confirm if Cisco ICE integration alone is sufficient. If no, kindly remove this specification enabling us to participate.	No Change
43		36	29	Should support reputation and category based URL filtering offering comprehensive alerting over suspect wen traffic and enforces policies on	Request you to reduce the URLs to 200 Million enabling us to participate	Please refer Amendments for Firewall on HA with URL filtering & AVC. Point No:37



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				more than 280 million on URLs in more than 80 categories.		
44		35	2	The appliance based security platform should provide Firewall, AVC, URL filtering, VPN functions and IPS functionality in a single appliance from day one.	The appliance based security platform should provide Firewall, AVC, URL filtering, Antimalware, APT (Advanced Persistence Threat) ,VPN functions and IPS functionality in a single appliance from day one.	No Change
45		35	4	Proposed Firewall should not be proprietary ASIC based in nature & should be open architecture based on multi-core CPU's to protect & scale against dynamic latest security threats.	Proposed Firewall should be ASIC based / open architecture based on multi-core CPU's to protect & scale against dynamic latest security threats.	Please refer Amendments for Firewall on HA with URL filtering & AVC. Point No:33



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46		25	5	The proposed solution shouldn't use a proprietary ASIC hardware for any kind of performance improvement. If option to disable ASIC is there then OEM must mention the performance numbers in datasheet.	Kindly remove this point	Please refer Amendments for Firewall on HA with URL filtering & AVC. Point No:34
47		35	8	Firewall should support atleast 25,000 connections per second with application visibility turned on.	Firewall should support atleast 300,000 connections per second with application visibility turned on.	No Change
48		37	39	The management platform should provide multiple report output types or formats such as PDF, HTML and CSV.	Kindly confirm us if PDF and CSV support is alone sufficient. Please remove HTML enabling us to participate.	Please refer Amendments for Firewall on HA with URL filtering & AVC. Point No:38
47	Other requirements	44	7	OEM must provide the Latest Single integrated solution for comprehensive Management of the wired and wireless for the given solution which gives rich visibility into end-user connectivity and application performance assurance issues etc through a separate virtual NMS appliance	Required for managing wired and wireless solution from a single dashboard. Also would help identify issues in the network, troubleshooting and to address security concerns	No Change



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50	QUALIFICATION CRITERIA FOR BIDDERS	12	b	b) The Bidder should be a highest level partner of the OEM for supply and support of the equipment in India (Document proof has to be submitted).	The Bidder should be a authorised partner of the OEM for supply and support of the equipment in India (Document proof has to be submitted).	Please refer Amendments for QUALIFICATION CRITERIA FOR BIDDERS Point No:3
51		12	d	The yearly turnover of the bidder should be more than Rs. 10 crores during each of last three financial years. (2017-18,2018-19,2019-20)	The Annual turnover should be more than Rs. 5 crores for each of the last three financial years. (2017-18,2018-19,2019-20) or Bidders who are registered as MSME units with NSIC and have a valid NSIC certificate, Bank may at its own discretion relax the provisions of turnover clause. This relaxation will be subject to compliance of the bid with all the other terms and conditions of this RFP, bidder's profile evaluation through client references and Technical evaluation of the proposed model of the Solution/Hardware.	No Change

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52		12	e	The Bidder should have supplied, installed and configured Wi-Fi network and supporting equipment of Access point of the make quoted in the RFP for at least 2 Banks /Financial Institutions / Government organization in India during last 3 years (01.04.2017 -31.03.2020)	The Bidder should have supplied, installed and configured similar Wi-Fi network and supporting equipment of Access point mentiond RFP for at least 2 Banks /Financial Institutions / Government organization/Leading Corporate in India during last 3 years (01.04.2017 -31.03.2020)	Please refer Amendments for QUALIFICATION CRITERIA FOR BIDDERS. Point No:5
53		12	h	The OEM for Routers, Managed Switches, Controllers, POE switches Ap's should be in Gartner magic quadrant for Wired and Wireless LAN Access Infrastructure <b>in leaders quadrant</b> in last 3 years (2017,2018,2019). Gartner magic quadrant will be relaxed for OEM registered under Make in India as per the RFP clause.	Request to remove "in leader quadrant" as only two /three OEM are in Leaders and for more OEM to participate .	No Change
54		12	i	The OEM of Next Generation Firewall should be in Gartner magic quadrant for Enterprise Firewall in leaders/challengers quadrant in last 3 years (2017,2018,2019).	Request to remove "in leaders/challengers quadrant " for more OEM to participate .	No Change



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55		12	k	The bidder should provide access points, wireless controllers, switches from the same OEM.	Participation of more OEM and competitive pricing can be offered .	No Change
56		12	h	The OEM for Routers, Managed Switches , Controllers , POE Switches AP's Should be in Gartner Magic Quadrant for Wired and Wireless LAN Access Infrastructure in Leaders Quadrant in last 3 years ( 2017,2018,2019) .Gartner Magic Quadrant Will be relaxed for OEM registered Under Make in India No Change Clause	We Request to amend the OEM should be in Gartner Magic Quadrant , We request to remove "leaders "	No Change
57		12	c	The Bidder should have earned Net Profit during last three financial years of the bidder.	Request Indian bank to kindly revise the clause as below : The Bidder should have earned Net Profit in atleast two of the last three financial years of the bidder.	Please refer Amendments for QUALIFICATION CRITERIA FOR BIDDERS. Point No:4
58	DELIVERABLES FROM THE BIDDERS	13	3	Equipments to be supplied : Point no 1. Both NAC will be active and 1500 clients/users profiles will be synchronized between them.		Same users profile needs to be synced across both corporate office and head office locations



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59		13	Note 3	All the necessary cabling needs to be done from vendor	We request Indian Bank to lease provide the more details on cabling SOW ( Whether bidder need to do optical cabling or cat 6 cabling, length, methodology)	Please refer Amendments for DELIVERABLES FROM THE BIDDERS. Point No:6&7
60	FORCE MAJEURE	22	5	Complete clause	We request Indian Bank to please add Force majeure situation to include lockdown, pandemics, epidemics, fire, flood, strikes, and any other events outside the reasonable control of a party.	No Change
61	WARRANTY	24	11	This onsite comprehensive warranty with next business day(NBD) Support shall remain valid for 60 months after the Goods/equipment's have been installed at the final destination indicated in the Contract, receipt of shipment at the destination, whichever period concludes earlier. The Bank shall promptly notify the Successful bidder in writing of any claims arising under this warranty.	We assume that Bank need the warranty from the hardware delivery please confirm.	Please refer Amendments for Section IV: WARRANTY. Point No:9

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62	DESCRIPTION	12	1.3	Facility to integrate the Wi-Fi setup with Bank's SMS Gateway server in order to receive Wi-Fi Password through OTP on registered mobile number.	Bank SMS gateway server should be supporting standard based HTTP/HTTPS (POST) method for sending SMS.	Yes
63	Deliverables from the Bidders	13	Note	The successful bidder should do an active survey after implementation and provide report showing signal strength between -50dBm to -60 dBm in all areas.	Bank to conduct Software Tool Based predictive wireless site survey to conclude required Wireless Access Points per Branch/Floor. Successive bidder then can compare the post implementation signal strength report and compare with the Predictive report provided by Bank.	No Change
64	Termination of Default	21	4.1	The Bank, without prejudice to any other remedy for breach of contract, by 30 days written notice of default sent to the Successful bidder, may terminate this Contract in whole or in part :	The Bank, without prejudice to any other remedy for breach of contract, by 60 days written notice of default sent to the Successful bidder, may terminate this Contract in whole or in part :	No Change



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65	Termination of Convenience	22	6.1	Bank, by 30 days written notice sent to the Successful bidder, 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 Successful bidder under the Contract is terminated, and the date upon which such termination becomes effective.	Bank, by 60 days written notice sent to the Successful bidder, 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 Successful bidder under the Contract is terminated, and the date upon which such termination becomes effective.	No Change
67	Delivery	21	1	The appliances are to be delivered and installed within six weeks from the date of issue of purchase order.	The appliances are to be delivered and installed within 10 (ten ) weeks from the date of issue of purchase order.	No Change

