

Bank's clarification on Pre-bid Queries from Prospective Bidders for the Request for Proposal (RFP) of Supply, Installation and Maintenance of Network Switch and Router with 5 Years Warranty (Bid No: GEM/2024/B/4885083 Dated 24.04.2024)

S No	Page #	Point / Section #	Category (Eligibility/Scope/Commercial/Legal/General)	Clauses mentioned in RFP Document	Comment/Suggestions from Vendors	Modifications / Clarifications to the RFP's clause
1	28	Annexure 02 – Bid Evaluation Terms (C-2 Others)	Eligibility	One Bidder can bid only with one OEM and If the OEM is bidding directly then they cannot submit another bid simultaneously with any other partner/bidder.	Would request to allow bidder to bid with product mix from more than one OEM.	If the OEM is bidding directly then they cannot submit another bid simultaneously with any other partner/bidder. (Supporting document - Letter of confirmation from OEM (Should be on company letter head and must be signed by an authorized official only)
2	74	Annexure 12 – Project Details Scope of Work (3. Delivery)	Scope	The successful vendor shall deliver the hardware within a period of 6 weeks from the date of placing of purchase order by the Bank.	Would request to ammend this as 8-10 weeks for delivery.	The successful vendor shall deliver the hardware within a period of 8 weeks from the date of placing of purchase order by the Bank.
3	6	Annexure 12 – Project Details Scope of Work	Technical - 48 port Switch	Switch should have dedicated slot for modular stacking/MLAG and for stacking switch should have minimum 40 GBPS staking bandwidth.	Modification/Request : "Switch should support stacking/MLAG and for stacking switch should have minimum 40 GBPS staking bandwidth" Justification/Remark : "Dedicated stacking slot does not provide any advantage; MLAG is based on open standards and provides more flexibility in terms of convergence, failover, and in terms of device operation" Kindly relax this clause for wider OEM participation.	Switch should support stacking/MLAG and for stacking switch should have minimum 40 GBPS staking bandwidth
4	9	Annexure 12 – Project Details Scope of Work	Technical - 48 port Switch	The switch should have Internal redundant and hot swappable power supply field replaceable and hot swappable Fan Tray from day one.	Modification/Request : "The switch should have Internal redundant power supply and redundant Fan Tray from day one." Justification/Remark : "Hot-swappability/field replaceable are not performance parameter and do not add any value in switching performance , redundancy matters , Kindly relax this clause for wider OEM participation"	The switch should have Internal redundant power supply and redundant Fan Tray from day one
5	10	Annexure 12 – Project Details Scope of Work	Technical - 48 port Switch	The Switch should support IEEE 802.3ad LACP supports up to 32 LAGs, each with up to 8 links per LAG and provide support for static or dynamic groups and a user- selectable hashing algorithm	Modification/Request : "The Switch should support IEEE 802.3ad LACP supports up to 8 LAGs, each with up to 8 links per LAG and provide support for static or dynamic groups and a user- selectable hashing algorithm." Justification/Remark : "32 Port in a LAG does not have any use case in campus deployment request it to reduce to 8 , Kindly relax this clause for wider OEM participation"	No Change
6	17	Annexure 12 – Project Details Scope of Work	Technical - 48 port Switch	The switch should have minimum <input type="checkbox"/> At Least 2K Ipv4 Unicast Routes and 1K Ipv6 Unicast Routes <input type="checkbox"/> 750 K IGMP Groups <input type="checkbox"/> 1500 pv4 ingress ACL Entries	Modification/Request : "The switch should have minimum <input type="checkbox"/> At Least 2K Ipv4 Unicast Routes and 1K Ipv6 Unicast Routes <input type="checkbox"/> 2 K IGMP Groups <input type="checkbox"/> 1500 pv4 ingress ACL Entries" Justification/Remark : "Ask for 750K IGMP groups is very High, for Campus use case where Multicast Application traffic is not required change this to 2K , Kindly relax this clause for wider OEM participation"	The switch should have minimum <input type="checkbox"/> At Least 2K Ipv4 Unicast Routes and 1K Ipv6 Unicast Routes <input type="checkbox"/> 750 IGMP Groups <input type="checkbox"/> 1500 pv4 ingress ACL Entries
7		Annexure 12 – Project Details Scope of Work	Technical - 48 port Switch	The Switch should support Green initiative for RoHS (EN 50581:2012) , WEEE regulations or smillar	Modification/Request : "Should comply to QM333 or latest specification or NEBS or ECE-C1.1 or FCC, EN IEC 61000 or EN 62368-1 or equivalent and WEEE regulations." Justification/Remark : "Adding Compliances more relevant to the IP networking devices."	The Switch should support Green initiative for RoHS (EN 50581:2012) , WEEE regulations or smillar
8		Annexure 12 – Project Details Scope of Work	Technical - 24 port Switch	Minimum of 48 port 10/100/1000 Mbps Ethernet auto sensing ports with 4*10 G uplink port from day one.	We think Switch port count is incorrectly mentioned.	Minimum of 24 port 10/100/1000 Mbps Ethernet auto sensing ports with 4*10 G uplink port from day one.
9		Annexure 12 – Project Details Scope of Work	Technical - 24 port Switch	Switch should have dedicated slot for modular stacking/MLAG and for stacking switch should have minimum 40 GBPS staking bandwidth.	Modification/Request : "Switch should support stacking/MLAG and Switch shall support to create PoDs of multiple switches using industry standard technologies like MC-LAG or equivalent" Justification/Remark : "Dedicated stacking slot does not provide any advantage; MLAG is based on open standards and provides more flexibility in terms of convergence, failover, and in terms of device operation"	Switch should support stacking/MLAG and for stacking switch should have minimum 40 GBPS staking bandwidth

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10		Annexure 12 – Project Details Scope of Work	Technical - 24 port Switch	Support for minimum of 750 active VLAN.	Modification/Request : "Support for minimum of 500 active VLAN." Justification/Remark : "As this is smaller switch with less no of port request you to reduced the Active Vlan Scale. Kindly relax this clause for wider OEM participation"	Support for minimum of 500 active VLAN.
11		Annexure 12 – Project Details Scope of Work	Technical - 24 port Switch	The switch should have Internal redundant and hot swappable power supply field replaceable and hot swappable Fan Tray from day one.	Modification/Request : "The switch should have Internal redundant power supply and redundant Fan Tray from day one." Justification/Remark : "Hot-swappability/field replaceable are not performance parameter and do not add any value in switching performance , redundancy matters , Kindly relax this clause for wider OEM participation"	The switch should have Internal redundant power supply and redundant Fan Tray from day one
12		Annexure 12 – Project Details Scope of Work	Technical - 24 port Switch	The Switch should support IEEE 802.3ad LACP supports up to 32 LAGs, each with up to 8 links per LAG and provide support for static or dynamic groups and a user-selectable hashing algorithm	Modification/Request : "The Switch should support IEEE 802.3ad LACP supports up to 8 LAGs, each with up to 8 links per LAG and provide support for static or dynamic groups and a user- selectable hashing algorithm." Justification/Remark : "32 Port in a LAG does not have any use case in campus deployment request it to reduce to 8 , Kindly relax this clause for wider OEM participation"	No Change
13		Annexure 12 – Project Details Scope of Work	Technical - 24 port Switch	The switch should have minimum <input type="checkbox"/> At Least 2K Ipv4 Unicast Routes and 1K Ipv6 Unicast Routes <input type="checkbox"/> 2 K IGMP Groups <input type="checkbox"/> 1500 pv4 ingress ACL Entries.	Modification/Request : "The switch should have minimum <input type="checkbox"/> At Least 2K Ipv4 Unicast Routes and 1K Ipv6 Unicast Routes <input type="checkbox"/> 2 K IGMP Groups <input type="checkbox"/> 1500 pv4 ingress ACL Entries" Justification/Remark : "Ask for 750K IGMP groups is very High, for Campus use case where Multicast Application traffic is not required change this to 2K , Kindly relax this clause for wider OEM participation"	The switch should have minimum <input type="checkbox"/> At Least 2K Ipv4 Unicast Routes and 1K Ipv6 Unicast Routes <input type="checkbox"/> 750 IGMP Groups <input type="checkbox"/> 1500 pv4 ingress ACL Entries.
14		Annexure 12 – Project Details Scope of Work	Technical - 24 port Switch	The Switch should support Green initiative for RoHS (EN 50581:2012) , WEEE regulations or smillar	Modification/Request : "Should comply to QM333 or latest specification or NEBS or ECE-C1.1 or FCC, EN IEC 61000 or EN 62368-1 or equivalent and WEEE regulations." Justification/Remark : "Adding Compliances more relevant to the IP networking devices."	The Switch should support Green initiative for RoHS (EN 50581:2012) , WEEE regulations or smillar
15		Annexure 12 – Project Details Scope of Work	Router	The router must be based on architecture which does hardware-based forwarding and switching. The processing engine architecture must be multi-processor / multi-core based for enhanced processing	The router processing engine architecture must be multi-processor / multi-core based for enhanced processing. Please modify as requested.	The processing engine architecture must be multi-processor / multi-core based for enhanced processing
16		Annexure 12 – Project Details Scope of Work	Router	Router shall have 1:1 operating system redundancy or dual control Module from Day 1 and 1:1/1:N PSU redundancy from day one	Router shall have 1:1/1:N PSU redundancy from day one Please Modify as requested	Clause Stands deleted
17		Annexure 12 – Project Details Scope of Work	Router	The router should provide 120 Mpps of forwarding speed	We support 30Gbps Throughput	The router should provide 10 gbps throughput.
18		Annexure 12 – Project Details Scope of Work	Router	Router Processor Architecture: The router processor architecture must be multi- processor /multi-core based and should support hardware accelerated, parallelised and programmable IP forwarding and switching.	Could you please elaborate when you say Router processor are you referring to CPU or ASIC? The point does not make that clear.	The router processing engine architecture must be multi-processor / multi-core based for enhanced processing.
19		Annexure 12 – Project Details Scope of Work	Router	Redundancy Feature: The router must support Operating System (OS) redundancy or dual control module in 1:1 mode to ensure high availability of the system. The router in the event of failure of any one OS or control module should switchover to the redundant OS or redundant control module without dropping any traffic flow. There should not be any impact on the performance in the event of active processing engine failure.	Same point as point number 7 please remove the same.	Redundancy Feature: The router must support Operating System (OS) redundancy or dual control module in 1:1 mode or able to store dual software image to ensure high availability of the system. The router in the event of failure of any one OS or control module It should possible to boot router from redundant OS or redundant control module .
20		Annexure 12 – Project Details Scope of Work	Router	The router must have minimum 8 GB DRAM and 8 GB flash memory for configuration and OS backup. Router should have provision to add SSD drives for extra storage requirement	Request removal of following section. " Router should have provision to add SSD drives for extra storage requirement"	No Change

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21	69	Router -Technical Specifications Requirement (Point 17)	Technical - Router	The proposed solution should be supplied & supported in at least two commercial Bank / Financial Institutions / Govt Organization in India.	Please remove this	To be removed
22		Annexure 12 – Project Details Scope of Work	Router	Router must support 5 Gbps of Crypto throughputs for IPSEC performance and minimum of 4000 IPSEC tunnels from day 1 (internal/external).	Request Modification of the Clause. "Router must support 5 Gbps of Crypto throughputs for IPSEC performance and minimum of 128 IPSEC tunnels from day 1 (internal/external)."	No Change
23		Annexure 12 – Project Details Scope of Work	Router	The Router solution must be an enterprise grade Equipment supporting the following: a) In-band and out-band management b) Graceful Restart for OSPF, BGP, LDP, MP- BGP etc.	Please remove this	No Change
24		Annexure 12 – Project Details Scope of Work	Router	Router should support variety of interface like Ethernet 1Gig, 10Gig, T1/E1, DSL/Broadband module, LTE 4G/5G modules, Voice FXO/FXS, PVDM modules	Request Modification of the Clause "Router should support variety of interface like Ethernet 1Gig, 10Gig."	Router should support variety of interface like Ethernet 1Gig, 10Gig, FE.
25		Annexure 12 – Project Details Scope of Work	Router	both IPv4 and IPv6 routing domains separately and concurrently. It must also support the ability to bridge between IPv4 and IPv6 routing domains.	Please remove this	No Change
26		Annexure 12 – Project Details Scope of Work	Router	The router should support minimum 1000 VRF instances from day one	Request Modification of the Clause "The router should support minimum 128 VRF instances from day one"	The router should support minimum 100 VRF instances from day one
27		Annexure 12 – Project Details Scope of Work	Router	The router shall support dual stack IPv6 on all interfaces and IPv6 over IPv4 tunnelling, IPv6	Please remove this	No Change
28		Annexure 12 – Project Details Scope of Work	Router	Multicast protocols – Ipv6 MLD, PIM-Sparse Mode, and PIM – SSM, PIPv6 Security Functions – ACL, SSH over IPv6	Please remove this	No Change
29		Annexure 12 – Project Details Scope of Work	Router	The router should support for IPv6 Multicast.	Please remove this	No Change
30		Annexure 12 – Project Details Scope of Work	Router	Should support IPv6 stateless auto- configuration, IPv6 neighbour discovery and, Neighbour Discovery Duplicate Address Detection.	Please remove this	No Change
31		Annexure 12 – Project Details Scope of Work	Router	Should support IPv6 Quality of Service	Please remove this	No Change
32		Annexure 12 – Project Details Scope of Work	Router	Should support IPv6 dual stack	Please remove this	No Change
33		Annexure 12 – Project Details Scope of Work	Router	Should perform IPv6 transport over IPv4 network (6to4 tunnelling).	Please remove this	No Change
34		Annexure 12 – Project Details Scope of Work	Router	Should support SNMP over IPv6 for management.	Please remove this	No Change
35		Annexure 12 – Project Details Scope of Work	Router	The router must support Protocol Independent Multicast Dense Mode (PIM-DM) or Sparse Mode (PIM-SM) or similar	No Support for PIM-DM - Please remove this	The router must support Protocol Independent Multicast Dense Mode (PIM-DM) or Sparse Mode (PIM-SM) or similar
36		Annexure 12 – Project Details Scope of Work	Router	The router must support Any cast Rendezvous Point (RP) mechanism using PIM and Multicast Source Discovery Protocol (MSDP)	Please remove this	No Change
37		Annexure 12 – Project Details Scope of Work	Router	The router must be capable of doing Layer 3 classification and setting ToS/Diffserve bits on incoming traffic using configured guaranteed rates and traffic characteristics. The marking	Please remove this	No Change
38		Annexure 12 – Project Details Scope of Work	Router	of the ToS/Diffserve bits should be non- performance impacting.	Please remove this	No Change
39		Annexure 12 – Project Details Scope of Work	Router	The router shall perform traffic Classification using various parameters like source physical interfaces, source/destination IP subnet, protocol types (IP/TCP/UDP), source/destination ports, IP Precedence, 802.1p, DSCP .	Please remove this	No Change

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40		Annexure 12 – Project Details Scope of Work	Router	The router shall support congestion avoidance through WRED and selective packet discard using WRED through IP Precedence and DSCP.	Please remove this	No Change
41		Annexure 12 – Project Details Scope of Work	Router	The router should have support for minimum 8 queues per port	Please remove this	No Change
42		Annexure 12 – Project Details Scope of Work	Router	The scheduling mechanism must allow for alternate priority routing traffic necessary to keep from starving other priority queues.	Please remove this	No Change
43		Annexure 12 – Project Details Scope of Work	Router	All network based keep alives (PPP keep alives, OSPF LSAs, BGP updates etc) must be given the highest priority and route before any traffic type	Please remove this	No Change
44		Annexure 12 – Project Details Scope of Work	Router	The traffic must be able to be prioritized into 8 class types. Class types must be able to be mapped into 1 of 8 bandwidth constraints. Bandwidth Constraints should be assignable to in individual hardware queues.	Please remove this	No Change
45		Annexure 12 – Project Details Scope of Work	Router	The router shall support at least 16k queues to offer granular QoS, policing and shaping capabilities."	Please remove this	The router shall support at least 16k queues to offer granular QoS, policing and shaping capabilities or similar features
46		Annexure 12 – Project Details Scope of Work	Router	Queuing and Scheduling must be able to be configured on a per physical port or logical port	Please remove this	No Change
47		Annexure 12 – Project Details Scope of Work	Router	IPSec packets should be marked with QoS security feature	Please remove this	No Change
48		Annexure 12 – Project Details Scope of Work	Router	The router shall meet the following requirements for security –	Please remove this	No Change
49		Annexure 12 – Project Details Scope of Work	Router	The router shall support Access Control List to filter traffic based on Source & Destination IP Subnet, Source & Destination Port, Protocol Type (IP, UDP, TCP, ICMP etc) and Port Range etc.	Please remove this	No Change
50		Annexure 12 – Project Details Scope of Work	Router	The router shall support time-based ACL to reflect time-based security and QoS policy.	Please remove this	Clause Stands deleted
51		Annexure 12 – Project Details Scope of Work	Router	The router shall support unicast RPF (uRPF) or similar feature to block any communications and attacks that are being sourced from Randomly generated IP addresses.	Please remove this	No Change
52		Annexure 12 – Project Details Scope of Work	Router	The proposed router should have embedded support for 4000 IPsec tunnels from day one, which should be activated from day 1.	Please remove this	No Change
53	29	Annexure 02 – Bid Evaluation Terms (D-1 Experience & Support Infrastructure)	Eligibility	The bidder should have supplied and maintained for at least 50 no's of proposed switches (Maximum 2 order) in past 3 Years to Commercial Banks / Financial Institutions / Government / PSU Organizations / IT & ITES / Manufacturing / Large Corporate in India.	Relaxation for Private Sector	The bidder should have supplied and installed at least 50 no's of Switches (Maximum 2 order) in past 3 Years to Commercial Banks / Financial Institutions / Government / PSU Organizations / Private Sector / IT & ITES in India.
54	29	Annexure 02 – Bid Evaluation Terms (D-4 Experience & Support Infrastructure)	Eligibility	Bidder should have direct support offices in Mumbai and technically qualified engineers at Gandhinagar who have expertise in support of the proposed product	Does it require onsite or on call basis engineer please clarify	As specified in the RFP.
55	69	Router -Technical Specifications Requirement (Point 17)	Technical - Router	The proposed solution should be supplied & supported in at least two commercial Bank / Financial Institutions / Govt Organization in India.	Relaxation for Private Sector	To be removed
56	59	Annexure 12 – Project Details Scope of Work	Technical - 24 port Switch	Minimum of 48 port 10/100/1000 Mbps Ethernet auto sensing ports with 4*10 G uplink port from day one	switch requirement is 24 port please clarify or amend to 24 port	Minimum of 24 port 10/100/1000 Mbps Ethernet auto sensing ports with 4*10 G uplink port from day one
57	NA	General	Scope		During 5 year maintenance support does remote support allow form bidder/OEM to bank for respective location Mumbai and Gujarat	No Change
58	8	Project overview and scope (Point 2)	Scope	Gujarat (5 No's)	Can we know the Location or locations in Gujrat where the 5 Routers will be deployed as this will help us to check if RMA support of 4 hours can be done or not	GIFT City, Gandhinagar, Gujrat

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59	29	Annexure 02 – Bid Evaluation Terms (D-2 Experience & Support Infrastructure)	Eligibility	The OEM should provide undertaking that proposed switch & router by them will not be reaching End of Support in next 5 years	Can this be made more concise specifying from when as in "Date of Installation" or "Date of Sign off" or anything which bank wants so appropriate specf timelines be cheked for when responding	No Change
60	50	Annexure 12 – Project Details Scope of Work	Technical - 48 port Switch	1. Minimum of 48 port 10/100/1000 Mbps Ethernet auto sensing ports with 4*10 G uplink port from day one.	unless explicitly specified , the uplink ports may be used for stacking purpose and will defeat the ask in #6 of the Tech Specs, so request this change be done. Request this be rephrased as below 1. Minimum of 48 port 10/100/1000 Mbps Ethernet auto sensing ports with 4*10 G ports dedicted for uplink from day one.	No Change
61	51	Annexure 12 – Project Details Scope of Work	Technical - 48 port Switch	17. The switch should have minimum • At Least 2K Ipv4 Unicast Routes and 1K Ipv6 Unicast Routes • 750 K IGMP Groups • 1500 pv4 ingress ACL Entries	Looks like 750K IGMP Groups ask is a Typo, Pls coorrect else advice Request this be rephrased as 17. The switch should have minimum • At Least 2K Ipv4 Unicast Routes and 1K Ipv6 Unicast Routes • 750 IGMP Groups • 1500 pv4 ingress ACL Entries	The switch should have minimum <input type="checkbox"/> At Least 2K Ipv4 Unicast Routes and 1K Ipv6 Unicast Routes <input type="checkbox"/> 750 IGMP Groups <input type="checkbox"/> 1500 pv4 ingress ACL Entries.
62	59	Annexure 12 – Project Details Scope of Work	Technical - 24 port Switch	1. Minimum of 48 port 10/100/1000 Mbps Ethernet auto sensing ports with 4*10 G uplink port from day one.	Also unless explicitly specified , the uplink ports may be used for stacking purpose and will defeat the ask in #6 of the Tech Specs, so request this change be done. Request this be rephrased as below Minimum of 24 port 10/100/1000 Mbps Ethernet auto sensing ports with 4*10 G interfaces dedicated for uplinks from day one	Minimum of 24 port 10/100/1000 Mbps Ethernet auto sensing ports with 4*10 G interfaces dedicated for uplinks from day one
63	60	Annexure 12 – Project Details Scope of Work	Technical - 24 port Switch	17. The switch should have minimum • At Least 2K Ipv4 Unicast Routes and 1K Ipv6 Unicast Routes • 750 K IGMP Groups • 1500 pv4 ingress ACL Entries	Looks like 750K IGMP Groups ask is a Typo, Pls coorrect else advice. Request this be rephrased as 17. The switch should have minimum • At Least 2K Ipv4 Unicast Routes and 1K Ipv6 Unicast Routes • 750 IGMP Groups • 1500 pv4 ingress ACL Entries	The switch should have minimum <input type="checkbox"/> At Least 2K Ipv4 Unicast Routes and 1K Ipv6 Unicast Routes <input type="checkbox"/> 750 IGMP Groups <input type="checkbox"/> 1500 pv4 ingress ACL Entries.
64	68	Annexure 12 – Project Details Scope of Work	Router	7. Router shall have 1:1 operating system redundancy or dual control Module from Day 1 and 1:1/1:N PSU redundancy from day one	Please allow router with dual control module or capability to store multiple software image. Request this be rephrased as below: 7. Router shall have 1:1 operating system redundancy or dual control Module or able to store dual software image from Day 1 and 1:1/1:N PSU redundancy from day one	Clause Stands deleted
65	68	Annexure 12 – Project Details Scope of Work	Router	9.The router should provide 120 Mpps of forwarding speed	Looks like typo error as currnet specification is asking for 120 Mpps means 120 Gbps throughput of router. Such big router typically deployed at DC/DR setup. However as per our understanding current routers will be deploed at branch offices where router throughput may not require more than 12 Gbps hence request you to make the changes. Request this be rephrased as below: "The router should provide 12 Mpps of forwarding speed"	The router should provide 10 gbps throughput.

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66	68	Annexure 12 – Project Details Scope of Work	Router	12. Redundancy Feature: The router must support Operating System (OS) redundancy or dual control module in 1:1 mode to ensure high availability of the system. The router in the event of failure of any one OS or control module should switchover to the redundant OS or redundant control module without dropping any traffic flow. There should not be any impact on the performance in the event of active processing engine failure.	Request you to allow router which can store dual operating system. Request this be rephrased as below: Redundancy Feature: The router must support Operating System (OS) redundancy or dual control module in 1:1 mode or able to store dual software image to ensure high availability of the system. The router in the event of failure of any one OS or control module It should possible to boot router from redundant OS or redundant control module	Redundancy Feature: The router must support Operating System (OS) redundancy or dual control module in 1:1 mode or able to store dual software image to ensure high availability of the system. The router in the event of failure of any one OS or control module It should possible to boot router from redundant OS or redundant control module .
67	69	Annexure 12 – Project Details Scope of Work	Router	19. Routing Table Size: The router must support minimum 2,000,000 IPv4 or 2,000,000 IPv6 routes entries in the routing table and should be scalable.	Currently Internet routing table is 1 Million which is 1,000,000 and our requirement is not to take full routing table hence please reduce it to 1.5 M Request this be rephrased as below: Routing Table Size: The router must support minimum 1,500,000 IPv4 or 1,500,000 IPv6 routes entries in the routing table and should be scalable.	The router must support minimum 1,500,000 IPv4 or 1,500,000 IPv6 routes entries in the routing table and should be scalable.
68	70	Annexure 12 – Project Details Scope of Work	Router	23. The proposed router should support modular OS and simply the changes through In-Service OS upgrade mechanism	Request you to remove in service OS upgrade requirement as it is only available on very high end routers and not on the branch routers Request this be rephrased as below: The proposed router should support modular OS upgrade mechanism	The proposed router should support modular OS upgrade mechanism
69	70	Annexure 12 – Project Details Scope of Work	Router	27. The Router should support 4x 1G Copper SFP / Port and 4 X 10G SFP+ port multimode and should be populated with all ports from day one Router should have free slots to add additional Ethernet ports in future	2 x 10G ports per router are good enough for LAN connectivity Request this be rephrased as below: The Router should support 4x 1G Copper SFP / Port and 2 X 10G SFP+ port multimode and should be populated with all ports from day one Router should have free slots to add additional Ethernet ports in future	No Change
70	73	Annexure 12 – Project Details Scope of Work	Router	71 . The router shall support time-based ACL to reflect time-based security and QoS policy.	Request this requirement be removed we don't support this feature so pls help remove this else we are non compliant or suggest alternative	Clause Stands deleted
71	74	Annexure 12 – Project Details Scope of Work (3. Delivery)	Scope	The successful vendor shall deliver the hardware within a period of 6 weeks from the date of placing of purchase order by the Bank	The successful vendor shall deliver the hardware within a period of 10 weeks from the date of issuing PO. it will help if the delivery timelines are relaxed a bit	The successful vendor shall deliver the hardware within a period of 8 weeks from the date of placing of purchase order by the Bank.
72	79	Annexure 12 – Project Details Scope of Work (13. Preventive Maintenance)	Scope	Team is required to send periodic intimations on latest bug fixes and new versions/ firmware/ IOS/ Signatures/ License/ Patches/ Upgrades etc which should be implemented in Production, any failure in intimation which caused any sort of outage in BANK will be taken under SLA/Penalty.	Team is open word and may be interpreted by Bidder as OEM and OEM as budder so better to explicitly call this out. Request this be rephrased as below: Bidder is required to send periodic intimations on latest bug fixes and new versions/ firmware/ IOS/ Signatures/ License/ Patches/ Upgrades etc which should be implemented in Production, any failure in intimation which caused any sort of outage in BANK will be taken under SLA/Penalty	Bidder is required to send periodic intimations on latest bug fixes and new versions/ firmware/ IOS/ Signatures/ License/ Patches/ Upgrades etc which should be implemented in Production, any failure in intimation which caused any sort of outage in BANK will be taken under SLA/Penalty.
73	28	Annexure 02 – Bid Evaluation Terms (C-2 Others)	Eligibility	One Bidder can bid only with one OEM and If the OEM is bidding directly then they cannot submit another bid simultaneously with any other partner/bidder.	Request to Change this to one OEM can bid via 3 partners to ensure more participation thus giving an advantage to the bank as a result of healthy competition	If the OEM is bidding directly then they cannot submit another bid simultaneously with any other partner/bidder. (Supporting document - Letter of confirmation from OEM (Should be on company letter head and must be signed by an authorized official only)
74	29	Annexure 02 – Bid Evaluation Terms (D-1 Experience & Support Infrastructure)	Eligibility	The bidder should have supplied and maintained for at least 50 no's of proposed switches (Maximum 2 order) in past 3 Years to Commercial Banks / Financial Institutions / Government / PSU Organizations / IT & ITES / Manufacturing / Large Corporate in India.	The bidder should have supplied and maintained for at least 50 no's of proposed switches (Maximum 5 orders) in past 5 Years to Commercial Banks / Financial Institutions / Government / PSU Organizations / IT & ITES / Manufacturing / Large Corporate in India.	The bidder should have supplied and installed at least 50 no's of Switches (Maximum 2 order) in past 3 Years to Commercial Banks / Financial Institutions / Government / PSU Organizations / Private Sector / IT & ITES in India.

Bank's clarification on Pre-bid Queries from Prospective Bidders for the Request for Proposal (RFP) of Supply, Installation and Maintenance of Network Switch and Router with 5 Years Warranty (Bid No: GEM/2024/B/4885083 Dated 24.04.2024)

S No	Page #	Point / Section #	Category (Eligibility/Scope/Commercial/Legal/General)	Clauses mentioned in RFP Document	Comment/Suggestions from Vendors	Modifications / Clarifications to the RFP's clause
75	29	Annexure 02 – Bid Evaluation Terms (D-1 Experience & Support Infrastructure)	Eligibility	The bidder should have supplied and maintained for at least 50 no's of proposed switches (Maximum 2 order) in past 3 Years to Commercial Banks / Financial Institutions / Government / PSU Organizations / IT & ITES / Manufacturing / Large Corporate in India.	If we are bidding with OEM "A" can we submit PO for past experience from a different OEM?	The bidder should have supplied and installed at least 50 no's of Switches (Maximum 2 order) in past 3 Years to Commercial Banks / Financial Institutions / Government / PSU Organizations / Private Sector / IT & ITES in India.
76	29	Annexure 02 – Bid Evaluation Terms (D-1 Experience & Support Infrastructure)	Eligibility	The bidder should have supplied and maintained for at least 50 no's of proposed switches (Maximum 2 order) in past 3 Years to Commercial Banks / Financial Institutions / Government / PSU Organizations / IT & ITES / Manufacturing / Large Corporate in India.	Kindly confirm of any 24 port or 48 port switch shall be considered	The bidder should have supplied and installed at least 50 no's of Switches (Maximum 2 order) in past 3 Years to Commercial Banks / Financial Institutions / Government / PSU Organizations / Private Sector / IT & ITES in India.
77	74	Annexure 12 – Project Details Scope of Work (3. Delivery)	Scope	The successful vendor shall deliver the hardware within a period of 6 weeks from the date of placing of purchase order by the Bank.	Request to Change the clause as per below as per standard timelines for network equipment. The successful vendor shall deliver the hardware within a period of 12-14 weeks from the date of placing of purchase order by the Bank.	The successful vendor shall deliver the hardware within a period of 8 weeks from the date of placing of purchase order by the Bank.
78	50 & 59	Annexure 12 – Project Details Scope of Work	Technical -Switch	A. Switch: 5> The switch should have at least 4GB SDRAM and 4GB flash	By not restricting solely to RAM size, you can ask for wider range of factors that contribute to the best performance on OS devices. Kindly change RAM size to 2GB or more to allow other Reputed OEM's to participate.	No Change
79	50 & 59	Annexure 12 – Project Details Scope of Work	Technical -Switch		Flash storage is indeed essential for storing the iOS operating system, as well as user configuration. Having compact iOS versions that require minimal storage space can be advantageous., Kindly change to 256 MB or more to allow other reputed OEM's to participate	No Change
80	50 & 59	Annexure 12 – Project Details Scope of Work	Technical -Switch	Support for minimum of 32K MAC addresses	For a deployment where you're only connecting 48 access devices, a switch with a 16K MAC table capacity to accommodate these devices should suffice without the need for excess capacity that would drive up costs. Kindly change to 16K MAC Address.	No Change
81	50 & 59	Annexure 12 – Project Details Scope of Work	Technical -Switch	9> Support for field replaceable and hot swappable Fan Tray	Usually FAN tray are fixed in L2 Switches as they are Smart FAN and work longer than Usual FAN Kindly allow to go with Fixed FAN tray	The switch should have Internal redundant power supply and redundant Fan Tray from day one
82	53 & 61	Annexure 12 – Project Details Scope of Work	Technical -Switch	Security > The Switch should support integrated trusted platform module (TPM) or similar for platform integrity. This ensures the boot process started from a trusted combination of switches.	TPM is OEM specific module, while our IOS is already Linux base and can not be alter Kindly remove	Security > The Switch should support integrated trusted platform module (TPM) or similar for platform integrity. This ensures the boot process started from a trusted combination of switches.
83	56 & 65	Annexure 12 – Project Details Scope of Work	Technical -Switch	11> The software should have a mechanism to proactively detect and address potential hardware and software faults during runtime /equivalent.	This function is for 3rd party IOS, where this mechanism can be developed, as you have not asked for SDN enabled Switches, we can provide support for this feature, Kindly remove	No Change
84	69	Annexure 12 – Project Details Scope of Work	Router	Hot Swapability: The router must support online hot insertion and removal of cards. Any insertion line card should not call for router rebooting nor should disrupt the remaining unicast and multicast traffic flowing in any way.	Request to define the number of interface required considering future scale.	No Change
85	70	Annexure 12 – Project Details Scope of Work	Router	Router should support variety of interface like Ethernet 1Gig, 10Gig, T1/E1, DSL/Broadband module, LTE 4G/5G modules, Voice FXO/FXS, PVDM modules	Interfaces like T1/E1, DSL/Broadband module, LTE 4G/5G modules, Voice FXO/FXS, PVDM modules are legacy and not required in modern deployments. Newer deployment have links like MPLS, LL, ILL etc which are all Ethernet based and can be terminated on Ethernet interfaces. Request you to remove T1/E1, DSL/Broadband module, LTE 4G/5G modules, Voice FXO/FXS, PVDM modules interfaces from the clause.	Router should support variety of interface like Ethernet 1Gig, 10Gig, FE.
86	70	Annexure 12 – Project Details Scope of Work	Router	The router should support minimum 1000 VRF instances from day one	Scale of 1000 VRF is extremely high and predominantly required in Core Service provider networks. Request to make the VRF scale to 250.	The router should support minimum 100 VRF instances from day one

Bank's clarification on Pre-bid Queries from Prospective Bidders for the Request for Proposal (RFP) of Supply, Installation and Maintenance of Network Switch and Router with 5 Years Warranty (Bid No: GEM/2024/B/4885083 Dated 24.04.2024)

S No	Page #	Point / Section #	Category (Eligibility/Scope/Commercial/Legal/General)	Clauses mentioned in RFP Document	Comment/Suggestions from Vendors	Modifications / Clarifications to the RFP's clause
87	72	Annexure 12 – Project Details Scope of Work	Router	The router shall support Strict Priority Queuing or Low Latency or smilar Queuing to support real time application like Voice and Video with minimum delay and jitter.	Strict Priority Queuing or Low Latency Queuing are OEM specific terms. Request to rephrase as Strict Priority Queuing or Low Latency Queuing or Equivalent	The router shall support Strict Priority Queuing or Low Latency or smilar Queuing to support real time application like Voice and Video with minimum delay and jitter.
88	72	Annexure 12 – Project Details Scope of Work	Router	The QoS policy in the router shall support dual Strict Priority Queue or Low Latency Queue or smilar per policy so that voice and video traffic can be put in different queue.	Strict Priority Queuing or Low Latency Queuing are OEM specific terms. Request to rephrase as Strict Priority Queuing or Low Latency Queuing or Equivalent	The router shall support Strict Priority Queuing or Low Latency or smilar Queuing to support real time application like Voice and Video with minimum delay and jitter.
89	73	Annexure 12 – Project Details Scope of Work	Router	Router shall support 256-bit encryption with MACSec	MACSec is required for encryption over LAN within the network and not over WAN IPSEC is preferred. Request to remove this clause	Router shall support 256-bit encryption
90	74	Annexure 12 – Project Details Scope of Work	Router	The management software should integrate with EMS (Microfocus) product suite.	Request to share more details on the requirement for integration.	No Change
91	70	Annexure 12 – Project Details Scope of Work	Router	The router must have the following interface as defined in the IEEE, ITU-T:	ITU has three different sector and every OEM is part of any one or more sector, hence requesting to revised this clause as follows: The router must have the following interface as defined in the IEEE, ITU-T/ITU-R/ITU-D:	The router must have the following interface as defined in the IEEE, ITU-T or equivalent
92	68	Annexure 12 – Project Details Scope of Work	Router	Router shall have 1:1 operating system redundancy or dual control Module from Day 1 and 1:1/1:N PSU redundancy from day one	Every OEM hardware architecture is different and dual control module may over size the requirement Hence requesting to revise this clause as follows Router should support multiple operating system from Day 1 and 1:1/1:N PSU redundancy from day one	Clause Stands deleted
93	69	Annexure 12 – Project Details Scope of Work	Router	Redundancy Feature: The router must support Operating System (OS) redundancy or dual control module in 1:1 mode to ensure high availability of the system. The router in the event of failure of any one OS or control module should switchover to the redundant OS or redundant control module without dropping any traffic flow. There should not be any impact on the performance in the event of active processing engine failure.	Every OEM hardware architecture is different and the hardware level redundancy of device is different to improve uptime. Hence requesting to remove this clause	Redundancy Feature: The router must support Operating System (OS) redundancy or dual control module in 1:1 mode or able to store dual software image to ensure high availability of the system. The router in the event of failure of any one OS or control module It should possible to boot router from redundant OS or redundant control module .
94	70	Annexure 12 – Project Details Scope of Work	Router	The proposed router should support modular OS and simply the changes through In-Service OS upgrade mechanism	Every OEM software architecture is different and they have different mechanism to upgrade image. Hence requesting to remove this clause	The proposed router should support modular OS upgrade mechanism
95	72	Annexure 12 – Project Details Scope of Work	Router	Scheduling should allow for round robin and weighted round robin.	This is old feature of queing. Requesting to remove this clause	Scheduling should allow for round robin and weighted round robin or smilar
96	72	Annexure 12 – Project Details Scope of Work	Router	The router shall support at least 16k queues to offer granular QoS, policing and shaping capabilities."	This is old feature of queing. Requesting to remove this clause	The router shall support at least 16k queues to offer granular QoS, policing and shaping capabilities or smilar features
97	29	Annexure 02 – Bid Evaluation Terms (D-1 Experience & Support Infrastructure)	Eligibility	The bidder should have supplied and maintained for at least 50 no's of proposed switches (Maximum 2 order) in past 3 Years to Commercial Banks / Financial Institutions / Government / PSU Organizations / IT & ITES / Manufacturing / Large Corporate in India.	Request you to please remove the proposed switches. The bidder should have supplied and maintained for proposed OEM similiar switches (Maximum 2 order) in past 3 Years to Commercial Banks / Financial Institutions / Government / PSU Organizations / IT & ITES / Manufacturing / Large Corporate in India.	The bidder should have supplied and installed at least 50 no's of Switches (Maximum 2 order) in past 3 Years to Commercial Banks / Financial Institutions / Government / PSU Organizations / Private Sector / IT & ITES in India.
98	50	Annexure 12 – Project Details Scope of Work	Technical - 48 port Switch	The switch should have Internal redundant and hot swappable power supply field replaceable and hot swappable Fan Tray from day one.	Typically redundant fan trays are supported on very high end DC switches and not on the access/L2 switches. Hence request you to modify this clause as below - "The switch should have Internal redundant and hot swappable power supply and cooling Fan from day one"	The switch should have Internal redundant power supply and redundant Fan Tray from day one
99	53	Annexure 12 – Project Details Scope of Work	Technical - 48 port Switch	The Switch should support integrated trusted platform module (TPM) for platform integrity. This ensures the boot process started from a trusted combination of switches.	This is specific to OEM. Hence request you to remove this clause	Security > The Switch should support integrated trusted platform module (TPM) or similar for platform integrity. This ensures the boot process started from a trusted combination of switches.
100	51	Annexure 12 – Project Details Scope of Work	Technical - 48 port Switch	At Least 2K Ipv4 Unicast Routes and 1K Ipv6 Unicast Routes	Request you to modify this clause as below - At Least 2K ipv4/ipv6 unicast routes should be supported	No Change

Bank's clarification on Pre-bid Queries from Prospective Bidders for the Request for Proposal (RFP) of Supply, Installation and Maintenance of Network Switch and Router with 5 Years Warranty (Bid No: GEM/2024/B/4885083 Dated 24.04.2024)

S No	Page #	Point / Section #	Category (Eligibility/Scope/Commercial/Legal/General)	Clauses mentioned in RFP Document	Comment/Suggestions from Vendors	Modifications / Clarifications to the RFP's clause
101	53	Annexure 12 – Project Details Scope of Work	Technical - 48 port Switch	The Switch should support Control Plane Policing sets rate limit on control protocols to protect CPU overload from DOS attacks	DDOS policing is not a switching feature, it is typically done at Firewall or dedicated DDOS solution. Hence request you to remove this clause	Clause Stands deleted
102	53	Annexure 12 – Project Details Scope of Work	Technical - 48 port Switch	The Switch should support Web-based authentication provides a browser-based environment, similar to IEEE 802.1X, to authenticate clients that do not support IEEE 802.1X	This is a OEM specific feature. Hence request you to remove this clause	The Switch should support Web-based authentication provides a browser-based environment or similar to IEEE 802.1X, to authenticate clients that do not support IEEE 802.1X
103	54	Annexure 12 – Project Details Scope of Work	Technical - 48 port Switch	The Switch should support Switch CPU protection to provide automatic protection against malicious network traffic trying to shut down the switch	Malicious network traffic protection is a feature achieved by security appliances like firewall and it is not a switching feature.	Clause Stands deleted
104	54	Annexure 12 – Project Details Scope of Work	Technical - 48 port Switch	The Switch should support ICMP throttling defeats, ICMP denial-of-service attacks by enabling any switch port to automatically throttle ICMP traffic	Rate limiting is a feature typically done at IPS or Firewall, it is not a switching feature. Hence request you to remove this clause.	Clause Stands deleted
105	55	Annexure 12 – Project Details Scope of Work	Technical - 48 port Switch	The Switch should support Critical Authentication Role to ensure that important infrastructure devices such as IP phones are allowed network access even in the absence of a RADIUS server	This is a OEM specific feature. Hence request you to remove this clause	The Switch should support Critical Authentication Role to ensure that important infrastructure devices are allowed network access even in the absence of a RADIUS server
106	56	Annexure 12 – Project Details Scope of Work	Technical - 48 port Switch	The operating system should have a self-healing mechanism /equivalent feature for the automatic recovery of the switch when a specified event occurs	This is a OEM specific feature. Hence request you to remove this clause	No Change
107	57	Annexure 12 – Project Details Scope of Work	Technical - 48 port Switch	Should have Topology view features	Topology view can be achieved using any existing 3rd party SNMP monitoring solution. Hence request to remove this clause	No Change
108	50	Annexure 12 – Project Details Scope of Work	Technical - 48 port Switch	The switch should have at least 4GB SDRAM and 4GB flash and switch should have Console Port, one OOBM port	Each OEM has different hardware architecture. Firmware size is in case of FortiSwitches is not very large hence we do not require large Flash space. Hence request you to modify this clause as below: - "The switch should have at least 2GB SDRAM and 128 MB flash and switch should have Console Port, one OOBM port	No Change
109	56	Annexure 12 – Project Details Scope of Work	Technical - 48 port Switch	The software should have a mechanism to proactively detect and address potential hardware and software faults during runtime /equivalent.	Switch failure events can be monitored using SNMP monitoring solution. Hence request you to remove this clause.	No Change
110	59	Annexure 12 – Project Details Scope of Work	Technical - 24 port Switch	The switch should have Internal redundant and hot swappable power supply field replaceable and hot swappable Fan Tray from day one.	Typically redundant fan trays are supported on very high end DC switches and not on the access/L2 switches. Hence request you to modify this clause as below - "The switch should have Internal redundant and hot swappable power supply and cooling Fan from day one"	The switch should have Internal redundant power supply and redundant Fan Tray from day one
111	61	Annexure 12 – Project Details Scope of Work	Technical - 24 port Switch	The Switch should support integrated trusted platform module (TPM) for platform integrity. This ensures the boot process started from a trusted combination of switches.	This is specific to OEM. Hence request you to remove this clause	Security > The Switch should support integrated trusted platform module (TPM) or similar for platform integrity. This ensures the boot process started from a trusted combination of switches.
112	60	Annexure 12 – Project Details Scope of Work	Technical - 24 port Switch	At Least 2K Ipv4 Unicast Routes and 1K Ipv6 Unicast Routes	Request you to modify this clause as below - At Least 2K ipv4/ipv6 unicast routes should be supported	No Change
113	62	Annexure 12 – Project Details Scope of Work	Technical - 24 port Switch	The Switch should support Control Plane Policing sets rate limit on control protocols to protect CPU overload from DOS attacks	DDOS policing is not a switching feature, it is typically done at Firewall or dedicated DDOS solution. Hence request you to remove this clause	Clause Stands deleted
114	62	Annexure 12 – Project Details Scope of Work	Technical - 24 port Switch	The Switch should support Web-based authentication provides a browser-based environment, similar to IEEE 802.1X, to authenticate clients that do not support IEEE 802.1X	This is a OEM specific feature. Hence request you to remove this clause	The Switch should support Web-based authentication provides a browser-based environment or similar to IEEE 802.1X, to authenticate clients that do not support IEEE 802.1X
115	63	Annexure 12 – Project Details Scope of Work	Technical - 24 port Switch	The Switch should support Switch CPU protection to provide automatic protection against malicious network traffic trying to shut down the switch	Malicious network traffic protection is a feature achieved by security appliances like firewall and it is not a switching feature.	Clause Stands deleted
116	63	Annexure 12 – Project Details Scope of Work	Technical - 24 port Switch	The Switch should support ICMP throttling defeats, ICMP denial-of-service attacks by enabling any switch port to automatically throttle ICMP traffic	Rate limiting is a feature typically done at IPS or Firewall, it is not a switching feature. Hence request you to remove this clause.	Clause Stands deleted

Bank's clarification on Pre-bid Queries from Prospective Bidders for the Request for Proposal (RFP) of Supply, Installation and Maintenance of Network Switch and Router with 5 Years Warranty (Bid No: GEM/2024/B/4885083 Dated 24.04.2024)

S No	Page #	Point / Section #	Category (Eligibility/Scope/Commercial/Legal/General)	Clauses mentioned in RFP Document	Comment/Suggestions from Vendors	Modifications / Clarifications to the RFP's clause
117	64	Annexure 12 – Project Details Scope of Work	Technical - 24 port Switch	The Switch should support Critical Authentication Role to ensure that important infrastructure devices such as IP phones are allowed network access even in the absence of a RADIUS server	This is a OEM specific feature. Hence request you to remove this clause	The Switch should support Critical Authentication Role to ensure that important infrastructure devices are allowed network access even in the absence of a RADIUS server
118	65	Annexure 12 – Project Details Scope of Work	Technical - 24 port Switch	The operating system should have a self-healing mechanism /equivalent feature for the automatic recovery of the switch when a specified event occurs	This is a OEM specific feature. Hence request you to remove this clause	No Change
119	66	Annexure 12 – Project Details Scope of Work	Technical - 24 port Switch	Should have Topology view features	Topology view can be achieved using any existing 3rd party SNMP monitoring solution. Hence request to remove this clause	No Change
120	59	Annexure 12 – Project Details Scope of Work	Technical - 24 port Switch	The switch should have at least 4GB SDRAM and 4GB flash and switch should have Console Port, one OOBM port	Each OEM has different hardware architecture. Firmware size is in case of FortiSwitches is not very large hence we do not require large Flash space. Hence request you to modify this clause as below: - "The switch should have at least 2GB SDRAM and 128 MB flash and switch should have Console Port, one OOBM port	No Change
121	65	Annexure 12 – Project Details Scope of Work	Technical - 24 port Switch	The software should have a mechanism to proactively detect and address potential hardware and software faults during runtime /equivalent.	Switch failure events can be monitored using SNMP monitoring solution. Hence request you to remove this clause.	No Change
122	11	Payment terms (Point 9)	General	10% of the cost would be payable on completion of warranty period or against Bank Guarantee (BG) as per format mentioned under Annexure 19. The BG value should be of equivalent amount issued by a scheduled commercial bank in India other than Bank of Baroda with validity till warranty period plus additional 3 months.	As already 5 % PBG requested in this Bid. We request to waive off This early retention money which is 10 % of contract value. since other GOVT BFSI Customers also consider only PBG And not asked for Early retention money.	No Change
123	NA	Annexure 12 – Project Details Scope of Work	Technical	Technical /scope	In both switches' specifications, 750K IGMP groups is mentioned. Please note, it looks like a typo error. Considering other asked features and specifications, it should not exceed more than 2K. Hence, requesting you to kindly amend the specifications accordingly.	The switch should have minimum <input type="checkbox"/> At Least 2K Ipv4 Unicast Routes and 1K Ipv6 Unicast Routes <input type="checkbox"/> 750 IGMP Groups <input type="checkbox"/> 1500 pv4 ingress ACL Entries
124	NA	Annexure 12 – Project Details Scope of Work	Technical	Technical /scope	In 24 port switch specifications, "Minimum of 48 port 10/100/1000 Mbps Ethernet auto sensing ports with 4*10 G uplink port from day one." is mentioned. Requesting you to kindly change the port numbers from 48 to 24.	Minimum of 24 port 10/100/1000 Mbps Ethernet auto sensing ports with 4*10 G uplink port from day one
125	NA	Annexure 12 – Project Details Scope of Work	Technical	The Switch should support Rapid Per-VLAN Spanning Tree (RPVST+) to allow each VLAN to build a separate spanning tree to improve link bandwidth usage.	There are other protocols which has similar functionality to RPVST+. One of them is MSTP, which simplifies network management and configuration, especially in large-scale environments, while ensuring interoperability across different vendor equipment. The consistent behavior and scalability of MSTP provide a reliable and predictable spanning tree solution for optimizing network performance and stability. Hence, requesting you to amend the clause as "The Switch should support Rapid Per-VLAN Spanning Tree (RPVST+)/MSTP to allow each VLAN to build a separate spanning tree to improve link bandwidth usage."	The Switch should support Rapid Per-VLAN Spanning Tree (RPVST+) or similar to allow each VLAN to build a separate spanning tree to improve link bandwidth usage.
126	7	Make in India (MII)	General	MII Compliance -Yes	In this custom bid there are three products. 48 port switch, 28 port switch, Router. Will the bank insist MII Compliance for a product be given by the respective product OEM in their letter head through authorised signatory?	Respective OEMs shall provide a certificate of local content as per the RFP format "Annexure 20". Bidder shall submit the same along with their bid documents.
127	7	Make in India (MII)	General	MII Compliance -Yes	We are Partners for Juniper, Fortinet, Arista. Their product complies to the spec. But they don't offer MII certificate as they don't declare local content. In such case, as a bidder, can we offer MII compliance mentioninh local content such as freight, Installation and commissioning.	Respective OEMs shall provide a certificate of local content as per the RFP format "Annexure 20". Bidder shall submit the same along with their bid documents.
128	7	Make in India (MII)	General	MII Compliance -Yes	Under the DoT gazette order dated 29.08.2018, LAN switch is a Notified product and we understand the switch should have a minimum local content of 60%. Form-1 is to be submitted by the bidder duly declared by the OEM.	No Change Applicable as per Government directions.
129	50	5	Technical - 48 port Switch	The switch should have at least 4GB SDRAM and 4GB flash and switch should have Console Port, one OOBM port	The switch shall have sufficient amount of SDRAM and Flash, console port and Management port	No Change

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S No	Page #	Point / Section #	Category (Eligibility/Scope/Commercial/Legal/General)	Clauses mentioned in RFP Document	Comment/Suggestions from Vendors	Modifications / Clarifications to the RFP's clause
130	51	18	Technical - 48 port Switch	Support for minimum of 32K MAC addresses	Support for minimum of 16K MAC addresses	No Change
131	51	18	Technical - 48 port Switch	Switch should have dedicated slot for modular stacking/MLAG and for stacking switch should have minimum 40 GBPS staking bandwidth.	We understand that switch should support dedicated staking port or Mlag fro stacking up to 40 Gbps. Please clarify	Switch should support stacking/MLAG and for stacking switch should have minimum 40 GBPS staking bandwidth
132	59	7	Technical - 24 port Switch	Support for minimum of 32K MAC addresses	Support for minimum of 16K MAC addresses	No Change
133	59	5	Technical - 24 port Switch	The switch should have at least 4GB SDRAM and 4GB flash and switch should have Console Port, one OOBM port	The switch shall have sufficient amount of SDRAM and Flash, console port and Management port	No Change
134	59	18	Technical - 24 port Switch	Switch should have dedicated slot for modular stacking/MLAG and for stacking switch should have minimum 40 GBPS staking bandwidth.	We understand that switch should support dedicated staking port or Mlag fro stacking up to 40 Gbps. Please clarify	Switch should support stacking/MLAG and for stacking switch should have minimum 40 GBPS staking bandwidth
135	69	21	Router	Router must support 5 Gbps of Crypto throughputs for IPSEC performance and	The IPV6 Throughput needs to be reduced as the Routers is 1 Gbps	No Change
136	69	16	Router	The router must have minimum 8 GB DRAM and 8 GB flash memory for configuration and OS backup. Router should have provision to add SSD drives for extra storage requirement	The switch shall have sufficient amount of SDRAM and Flash	No Change
137	74		Router	The proposed router should be NDPP/EAL3/EAL4 or FCC certified		No Change
138	78		Router	The proposed router should have embedded support for 4000 IPsec tunnels from day one, which should be activated from day 1.	The proposed router should have embedded support for sufficient IPsec tunnels from day one, which should be activated from day 1.	No Change
139	1		Technical / Scope	The switch should have its own management software, which can be used remotely (through secured Web interface) to monitor, troubleshoot & manage the switch.	The switch should have own management software / work with third party SNMP NMS which can be used remotely to monitor, troubleshoot & manage the switch.	The switch should have integrate with Banks internal NMS.
140	28	Annexure 02 – Bid Evaluation Terms (C-2 Others)	Eligibility	One Bidder can bid only with one OEM and If the OEM is bidding directly then they cannot submit another bid simultaneously with any other partner/bidder.	Switch OEM and Router OEM ae different especially in MII. Leading Switch MII manufacturer do not manufacture Routers. Hence the bidder must be allowed to quote one OEM for switch and Different OEM for Router. Please clarify.	If the OEM is bidding directly then they cannot submit another bid simultaneously with any other partner/bidder. (Supporting document - Letter of confirmation from OEM (Should be on company letter head and must be signed by an authorized official only)
141	26	Annexure 02 – Bid Evaluation Terms (D-1 Experience & Support Infrastructure)	Eligibility	The bidder should have supplied and maintained for at least 50 no's of proposed switches (Maximum 2 order) in past 3 Years to Commercial Banks / Financial Institutions / Government / PSU Organizations / IT & ITES / Manufacturing / Large Corporate in India.	The bidder should have supplied and maintained for at least 50 no's of Layer 2 Managed switches (Maximum 2 order) in past 3 Years to Commercial Banks / Financial Institutions / Government / PSU Organizations / IT & ITES / Manufacturing / Large Corporate in India. Sir, having supply and exactly same model of switch for the 3 years is impractical and model number and technology keeps changing. Also there is also one more clause no 2, which says switches shpuld be not be obsolete for 5 years. So we need to quote latest model and not some thing which ws sold in previous 3 years. Hence we request you to not to insist on same switch for past experience	The bidder should have supplied and installed at least 50 no's of Switches (Maximum 2 order) in past 3 Years to Commercial Banks / Financial Institutions / Government / PSU Organizations / Private Sector / IT & ITES in India.
142	51	Annexure 12 – Project Details Scope of Work	Technical - 48 port Switch	Switch should able to support multigigabit switches in same stack/MLAG to support multigigabit ports up to 10 Gbps as and when required in future.	Please remove this clause.	Clause Stands deleted
143	56	Annexure 12 – Project Details Scope of Work	Technical - 48 port Switch	The switch should have its own management software, which can be used remotely (through secured Web interface) to monitor, troubleshoot & manage the switch.	Please clarify, whether External NMS server is also required with Switch as you may be having your existing NMS	The switch should have integrate with Banks internal NMS.
144	56	Annexure 12 – Project Details Scope of Work	Technical - 48 port Switch	The operating system should have a self-healing mechanism /equivalent feature for the automatic recovery of the switch when a specified event occurs	Please remove this clause.	No Change
145	56	Annexure 12 – Project Details Scope of Work	Technical - 48 port Switch	The software should have a mechanism to proactively detect and address potential hardware and software faults during runtime /equivalent.	Please remove this clause.	No Change
146	56	Annexure 12 – Project Details Scope of Work	Technical - 48 port Switch	Support Bidirectional data support on the SPAN port allows the Intrusion Detection System (IDS) to take action when an intruder is detected.	Please change this clause to The switch should support port Mirroring.	Clause Stands deleted

Bank's clarification on Pre-bid Queries from Prospective Bidders for the Request for Proposal (RFP) of Supply, Installation and Maintenance of Network Switch and Router with 5 Years Warranty (Bid No: GEM/2024/B/4885083 Dated 24.04.2024)

S No	Page #	Point / Section #	Category (Eligibility/Scope/Commercial/Legal/General)	Clauses mentioned in RFP Document	Comment/Suggestions from Vendors	Modifications / Clarifications to the RFP's clause
147	57	Annexure 12 – Project Details Scope of Work	Technical - 48 port Switch	Provisioned and Dynamic Policies at Layers 1-4 for QoS and Security	Please remove this clause.	No Change
148	58	Annexure 12 – Project Details Scope of Work	Technical - 48 port Switch	802.1x - Auth-Fail VLAN or equivalent. (An auth fail VLAN allows users without valid credentials to access a limited set of services which can be controlled by an administrator)	Please remove this clause. Auth Fail VLAN is not required in 802.1x setup.	It should be compatible with 802.1x protocol.
149	59	Annexure 12 – Project Details Scope of Work	Technical - 24 port Switch	Minimum of 48 port 10/100/1000 Mbps Ethernet auto sensing ports with 4*10 G uplink port from day one.	Please clarify, whether 24 port switch or 48 port switch required in 24 port switch specification.	Minimum of 24 port 10/100/1000 Mbps Ethernet auto sensing ports with 4*10 G uplink port from day one
150	60	Annexure 12 – Project Details Scope of Work	Technical - 24 port Switch	Switch should able to support multigigabit switches in same stack/MLAG to support multigigabit ports up to 10 Gbps as and when required in future.	Please remove this clause.	Clause Stands deleted
151	65	Annexure 12 – Project Details Scope of Work	Technical - 24 port Switch	The switch should have its own management software, which can be used remotely (through secured Web interface) to monitor, troubleshoot & manage the switch.	Please clarify, whether External NMS server is also required with Switch.	The switch should have integrate with Banks internal NMS.
152	65	Annexure 12 – Project Details Scope of Work	Technical - 24 port Switch	The operating system should have a self-healing mechanism /equivalent feature for the automatic recovery of the switch when a specified event occurs	Please remove this clause.	No Change
153	65	Annexure 12 – Project Details Scope of Work	Technical - 24 port Switch	The software should have a mechanism to proactively detect and address potential hardware and software faults during runtime /equivalent.	Please remove this clause.	No Change
154	65	Annexure 12 – Project Details Scope of Work	Technical - 24 port Switch	Support Bidirectional data support on the SPAN port allows the Intrusion Detection System (IDS) to take action when an intruder is detected.	Please change this clause to The switch should support port Mirroring.	Clause Stands deleted
155	66	Annexure 12 – Project Details Scope of Work	Technical - 24 port Switch	Provisioned and Dynamic Policies at Layers 1-4 for QoS and Security	Please remove this clause.	No Change
156	67	Annexure 12 – Project Details Scope of Work	Technical - 24 port Switch	802.1x - Auth-Fail VLAN or equivalent. (An auth fail VLAN allows users without valid credentials to access a limited set of services which can be controlled by an administrator)	Please remove this clause. Auth Fail VLAN is not required in 802.1x setup.	It should be compatible with 802.1x protocol.
157	69	Annexure 12 – Project Details Scope of Work	Router	The router must have minimum 8 GB DRAM and 8 GB flash memory for configuration and OS backup. Router should have provision to add SSD drives for extra storage requirement	Please change this clause to The router must have minimum 2 GB DRAM for configuration and OS backup.	No Change
158	70	Annexure 12 – Project Details Scope of Work	Router	Router should support variety of interface like Ethernet 1Gig, 10Gig, T1/E1, DSL/Broadband module, LTE 4G/5G modules, Voice FXO/FXS, PVDM modules	Please change this clause to Router should support variety of interface like Ethernet 1Gig, 10Gig. Please remove T1/E1, DSL/Broadband module, LTE 4G/5G modules, Voice FXO/FXS, PVDM modules These traditional port will not be required in todays network. ISP will provide link on 1G or 10G with ethernet connectivity.	Router should support variety of interface like Ethernet 1Gig, 10Gig , FE.
159	70	Annexure 12 – Project Details Scope of Work	Router	The router should support minimum 1000 VRF instances from day one	Please change this clause to The router should support minimum 100 VRF instances from day one	The router should support minimum 100 VRF instances from day one
160	70	Annexure 12 – Project Details Scope of Work	Router	The Router should have at-least 8 GB of DRAM from day one	Please change this clause to The Router should have at-least 2 GB of DRAM from day one	No Change

Bank's clarification on Pre-bid Queries from Prospective Bidders for the Request for Proposal (RFP) of Supply, Installation and Maintenance of Network Switch and Router with 5 Years Warranty (Bid No: GEM/2024/B/4885083 Dated 24.04.2024)

S No	Page #	Point / Section #	Category (Eligibility/Scope/Commercial/Legal/General)	Clauses mentioned in RFP Document	Comment/Suggestions from Vendors	Modifications / Clarifications to the RFP's clause
161	72	Annexure 12 – Project Details Scope of Work	Router	The router shall support at least 16k queues to offer granular QoS, policing and shaping capabilities."	Please modify this clause to "The router shall support at least 4k queues to offer granular QoS, policing and shaping capabilities." For Modular chassis and distributed forwarding based architecture, <u>interface based policy is required.</u>	The router shall support at least 16k queues to offer granular QoS, policing and shaping capabilities or similar features
162	73	Annexure 12 – Project Details Scope of Work	Router	Router shall support 256-bit encryption with MACSec	Please remove this clause	Router shall support 256-bit encryption
163	11	Payment terms (Point 9)	General	10% of the cost would be payable on completion of warranty period or against Bank RFP for Supply, Installation and Maintenance of Network Switch and Router with 5 Years Warranty Bank of Baroda Confidential Page 12 of 107 Guarantee (BG) as per format mentioned under Annexure 19. The BG value should be of equivalent amount issued by a scheduled commercial bank in India other than Bank of Baroda with validity till warranty period plus <u>additional 3 months.</u>	Pls confirm do we need to submit BG of 10% of remaining payment OR Equivalent to the remaining amount. Pls share your calculation for the same.	As per RFP terms.
164	11	Payment terms (Point 9)	General	c. Performance Bank Guarantee of 5% of Contact value (As per RFP format)	Pls confirm if we need to submit 2 BGs as below : 1. PBG - 5% of Contact value 2. BG for balance 10% payment amount Request to modify the clause as:	Yes, Bidder shall submit PBG and BG both as specified under the RFP.
165	29	Annexure 02 – Bid Evaluation Terms (D-1 Experience & Support Infrastructure)	Eligibility	The bidder should have supplied and maintained for at least 50 no's of proposed switches (Maximum 2 order) in past 3 Years to Commercial Banks / Financial Institutions / Government / PSU Organizations / IT & ITES / Manufacturing / Large Corporate in India.	D.Experience & Support Infrastructure The bidder should have supplied and maintained for at least 50 no's of proposed/Similar make switches (Maximum 2 order) in past 5 Years to Commercial Banks / Financial Institutions / Government / PSU Organizations / IT & ITES / Manufacturing / Large Corporate in India.	The bidder should have supplied and installed at least 50 no's of Switches (Maximum 2 order) in past 3 Years to Commercial Banks / Financial Institutions / Government / PSU Organizations / Private Sector / IT & ITES in India.
166	29	Annexure 02 – Bid Evaluation Terms (D-3 Experience & Support Infrastructure)	Eligibility	Must have adequate stock of spares of all items supplied and would be capable of providing replacement against faulty hardware as per the SLA. Letter of undertaking (self-certified letter signed by authorized official of the bidder)	Request to modify the clause as: Must have adequate stock of spares of all items supplied and would be capable of providing replacement against faulty hardware as per the SLA. Letter of undertaking (self-certified letter signed by authorized official of the OEM)	Must have adequate stock of spares of all items supplied and would be capable of providing replacement against faulty hardware as per the SLA. Letter of undertaking (self-certified letter signed by authorized official of the bidder/OEM)
167	74	Delivery	scope	3. Delivery The successful vendor shall deliver the hardware within a period of 6 weeks from the date of placing of purchase order by the Bank. Vendor will have to pay late delivery charges to Bank @ 0.5% of the purchase order value inclusive of all taxes, duties, levies etc., per week or part thereof, for late delivery beyond due date of delivery, to a maximum of 5% of the total purchase order value inclusive of all taxes, duties, levies etc. If delay exceeds the maximum percentage of 5%, Bank reserves the right to cancel the entire order.	Request to modify the clause as: 3. Delivery The successful vendor shall deliver the hardware within a period of 10 weeks from the date of placing of purchase order by the Bank. Vendor will have to pay late delivery charges to Bank @ 0.5% of the undelivered equipment value inclusive of all taxes, duties, levies etc., per week or part thereof, for late delivery beyond due date of delivery, to a maximum of 5% of the total purchase order value inclusive of all taxes, duties, levies etc. If delay exceeds the maximum percentage of 5%, Bank reserves the right to cancel the entire order.	The successful vendor shall deliver the hardware within a period of 8 weeks from the date of placing of purchase order by the Bank.
168	75	Installation (Point 4)	scope	Network Hardware Installation at Bank's locations, including unpacking of cartons/ boxes, will be the responsibility of the vendor. Successful vendor will have to install the network hardware and hand it over to Bank for acceptance testing within 2 weeks from the date of deliver of the network hardware at Bank locations and Bank's notification for installation of the same. Vendor will have to pay late installation / implementation charges to the Bank @ 0.5% of the total Purchase Order Value per day or part thereof subject to maximum of 5% of the total purchase order value, for delay in installation, if the delay is caused owing to reasons attributable to the Vendor.	Request to modify the clause as: Network Hardware Installation at Bank's locations, including unpacking of cartons/ boxes, will be the responsibility of the vendor. Successful vendor will have to install the network hardware and hand it over to Bank for acceptance testing within 4 weeks from the date of deliver of the network hardware at Bank locations and Bank's notification for installation of the same. Vendor will have to pay late installation / implementation charges to the Bank @ 0.5% of the total installation Order Value per week or part thereof subject to maximum of 5% of the total purchase order value, for delay in installation, if the delay is caused owing to reasons attributable to the Vendor.	Network Hardware Installation at Bank's locations, including unpacking of cartons/ boxes, will be the responsibility of the vendor. Successful vendor will have to install the network hardware and hand it over to Bank for acceptance testing within 2 weeks from the date of delivery of the network hardware at Bank locations and Bank's notification for installation of the same. Vendor will have to pay late installation / implementation charges to the Bank @ 0.5% of the total Purchase Order Value per week or part thereof subject to maximum of 5% of the total purchase order value, for delay in installation, if the delay is caused owing to reasons attributable to the Vendor.

Bank's clarification on Pre-bid Queries from Prospective Bidders for the Request for Proposal (RFP) of Supply, Installation and Maintenance of Network Switch and Router with 5 Years Warranty (Bid No: GEM/2024/B/4885083 Dated 24.04.2024)

S No	Page #	Point / Section #	Category (Eligibility/Scope/Commercial/Legal/General)	Clauses mentioned in RFP Document	Comment/Suggestions from Vendors	Modifications / Clarifications to the RFP's clause
169	75	Annexure 12 – Project Details Scope of Work (4. Installation)	scope	Successful vendor will have to install the network hardware and hand it over to Bank for acceptance testing within 2 weeks from the date of deliver of the network hardware at Bank locations and Bank's notification for installation of the same.	Kindly modify the clause " Successful vendor will have to install the network hardware and hand it over to Bank for acceptance testing within 8 weeks from the date of deliver of the network hardware at Bank locations and Bank's notification for installation of the same.	No Change
170	74	Annexure 12 – Project Details Scope of Work (3. Delivery)	scope	The successful vendor shall deliver the hardware within a period of 6 weeks from the date of placing of purchase order by the Bank	Kindly Modify the clause " The successful vendor shall deliver the hardware within a period of 12 weeks from the date of placing of purchase order by the Bank	The successful vendor shall deliver the hardware within a period of 8 weeks from the date of placing of purchase order by the Bank.
171	79	Annexure 12 – Project Details Scope of Work (13. Preventive Maintenance)	scope	Periodic preventive maintenance of hardware, once in QUARTER during warranty period.	Kindly modify to PM twice yearly	No Change
172	51	Annexure 12 – Project Details Scope of Work	Technical - 48 port Switch	Switch should able to support multigigabit switches in same stack/ MLAG to support multigigabit ports up to 10 Gbps as and when required in future.	Please remove this clause.	Clause Stands deleted
173	56	Annexure 12 – Project Details Scope of Work	Technical - 48 port Switch	The switch should have its own management software, which can be used remotely (through secured Web interface) to monitor, troubleshoot & manage the switch.	Please clarify, whether External NMS server is also required with Switch as you may be having your existing NMS	The switch should have integrate with Banks internal NMS.
174	56	Annexure 12 – Project Details Scope of Work	Technical - 48 port Switch	The operating system should have a self-healing mechanism /equivalent feature for the automatic recovery of the switch when a specified event occurs	Please remove this clause.	No Change
175	56	Annexure 12 – Project Details Scope of Work	Technical - 48 port Switch	The software should have a mechanism to proactively detect and address potential hardware and software faults during runtime /equivalent.	Please remove this clause.	No Change
176	56	Annexure 12 – Project Details Scope of Work	Technical - 48 port Switch	Support Bidirectional data support on the SPAN port allows the Intrusion Detection System (IDS) to take action when an intruder is detected.	Please change this clause to The switch should support port Mirroring.	Clause Stands deleted
177	57	Annexure 12 – Project Details Scope of Work	Technical - 48 port Switch	Provisioned and Dynamic Policies at Layers 1-4 for QoS and Security	Please remove this clause.	No Change
178	58	Annexure 12 – Project Details Scope of Work	Technical - 48 port Switch	802.1x - Auth-Fail VLAN or equivalent. (An auth fail VLAN allows users without valid credentials to access a limited set of services which can be controlled by an administrator	Please remove this clause. Auth Fail VLAN is not required in 802.1x setup.	It should be compatible with 802.1x protocol.
179	59	Annexure 12 – Project Details Scope of Work	Technical - 24 port Switch	Minimum of 48 port 10/100/1000 Mbps Ethernet auto sensing ports with 4*10 G uplink port from day one.	Please clarify, whether 24 port switch or 48 port switch required in 24 port switch specification.	Minimum of 24 port 10/100/1000 Mbps Ethernet auto sensing ports with 4*10 G uplink port from day one
180	60	Annexure 12 – Project Details Scope of Work	Technical - 24 port Switch	Switch should able to support multigigabit switches in same stack/ MLAG to support multigigabit ports up to 10 Gbps as and when required in future.	Please remove this clause.	Clause Stands deleted
181	65	Annexure 12 – Project Details Scope of Work	Technical - 24 port Switch	The switch should have its own management software, which can be used remotely (through secured Web interface) to monitor, troubleshoot & manage the switch.	Please clarify, whether External NMS server is also required with Switch.	The switch should have integrate with Banks internal NMS.
182	65	Annexure 12 – Project Details Scope of Work	Technical - 24 port Switch	The operating system should have a self-healing mechanism /equivalent feature for the automatic recovery of the switch when a specified event occurs	Please remove this clause.	No Change
183	65	Annexure 12 – Project Details Scope of Work	Technical - 24 port Switch	The software should have a mechanism to proactively detect and address potential hardware and software faults during runtime /equivalent.	Please remove this clause.	No Change
184	65	Annexure 12 – Project Details Scope of Work	Technical - 24 port Switch	Support Bidirectional data support on the SPAN port allows the Intrusion Detection System (IDS) to take action when an intruder is detected.	Please change this clause to The switch should support port Mirroring.	Clause Stands deleted
185	66	Annexure 12 – Project Details Scope of Work	Technical - 24 port Switch	Provisioned and Dynamic Policies at Layers 1-4 for QoS and Security	Please remove this clause.	No Change

Bank's clarification on Pre-bid Queries from Prospective Bidders for the Request for Proposal (RFP) of Supply, Installation and Maintenance of Network Switch and Router with 5 Years Warranty (Bid No: GEM/2024/B/4885083 Dated 24.04.2024)

S No	Page #	Point / Section #	Category (Eligibility/Scope/Commercial/Legal/General)	Clauses mentioned in RFP Document	Comment/Suggestions from Vendors	Modifications / Clarifications to the RFP's clause
186	67	Annexure 12 – Project Details Scope of Work	Technical - 24 port Switch	802.1x - Auth-Fail VLAN or equivalent. (An auth fail VLAN allows users without valid credentials to access a limited set of services which can be controlled by an administrator)	Please remove this clause. Auth Fail VLAN is not required in 802.1x setup.	It should be compatible with 802.1x protocol.
187	69	Annexure 12 – Project Details Scope of Work	Router	The router must have minimum 8 GB DRAM and 8 GB flash memory for configuration and OS backup. Router should have provision to add SSD drives for extra storage requirement	Please change this clause to The router must have minimum 2 GB DRAM for configuration and OS backup.	No Change
188	70	Annexure 12 – Project Details Scope of Work	Router	Router should support variety of interface like Ethernet 1Gig, 10Gig, T1/E1, DSL/Broadband module, LTE 4G/5G modules, Voice FXO/FXS, PVDM modules	Please change this clause to Router should support variety of interface like Ethernet 1Gig, 10Gig. Please remove T1/E1, DSL/Broadband module, LTE 4G/5G modules, Voice FXO/FXS, PVDM modules These traditional port will not be required in todays network. ISP will provide link on 1G or 10G with ethernet connectivity.	Router should support variety of interface like Ethernet 1Gig, 10Gig , FE.
189	70	Annexure 12 – Project Details Scope of Work	Router	The router should support minimum 1000 VRF instances from day one	Please change this clause to The router should support minimum 100 VRF instances from day one	The router should support minimum 100 VRF instances from day one
190	70	Annexure 12 – Project Details Scope of Work	Router	The Router should have at-least 8 GB of DRAM from day one	Please change this clause to The Router should have at-least 2 GB of DRAM from day one	No Change
191	72	Annexure 12 – Project Details Scope of Work	Router	The router shall support at least 16k queues to offer granular QoS, policing and shaping capabilities."	Please modify this clause to "The router shall support at least 4k queues to offer granular QoS, policing and shaping capabilities." For Modular chassis and distributed forwarding based architecture, interface based policy is required.	The router shall support at least 16k queues to offer granular QoS, policing and shaping capabilities or similar features
192	73	Annexure 12 – Project Details Scope of Work	Router	Router shall support 256-bit encryption with MACSec	Please remove this clause	Router shall support 256-bit encryption
193	51	Annexure 12 – Project Details Scope of Work	Technical - 48 port Switch	· At Least 2K Ipv4 Unicast Routes and 1K Ipv6 Unicast Routes · 750 K IGMP Groups · 1500 pv4 ingress ACL Entries	"750 K IGMP groups" it is typo error, it should be a 750 or more IGMP groups. Hence requesting to amend ". At Least 2K Ipv4 Unicast Routes and 1K Ipv6 Unicast Routes · 750 or more IGMP Groups · 1500 pv4 ingress ACL Entries"	The switch should have minimum <input type="checkbox"/> At Least 2K Ipv4 Unicast Routes and 1K Ipv6 Unicast Routes <input type="checkbox"/> 750 IGMP Groups <input type="checkbox"/> 1500 pv4 ingress ACL Entries.
194	51	Annexure 12 – Project Details Scope of Work	Technical - 48 port Switch	The Switch should support Rapid Per-VLAN Spanning Tree (RPVST+) to allow each VLAN to build a separate spanning tree to improve link bandwidth usage.	MSTP is an IEEE standard (802.1s) that also supports multiple spanning tree instances, similar to RPVST+. However, MSTP is not proprietary like RPVST+ and is supported by a wider range of networking vendors. Requesting to amend "The Switch should support Rapid Per-VLAN Spanning Tree (RPVST+)/ MSTP to allow each VLAN to build a separate spanning tree to improve link bandwidth usage."	The Switch should support Rapid Per-VLAN Spanning Tree (RPVST+) or similar to allow each VLAN to build a separate spanning tree to improve link bandwidth usage.
195	59	Annexure 12 – Project Details Scope of Work	Technical - 24 port Switch	Minimum of 48 port 10/100/1000 Mbps Ethernet auto sensing ports with 4*10 G uplink port from day one.	As it is a 24 Port switch, "48 port" is a typo error. Please amend "Minimum of 24 port 10/100/1000 Mbps Ethernet auto sensing ports with 4*10 G uplink port from day one."	Minimum of 24 port 10/100/1000 Mbps Ethernet auto sensing ports with 4*10 G uplink port from day one.
196	60	Annexure 12 – Project Details Scope of Work	Technical - 24 port Switch	· At Least 2K Ipv4 Unicast Routes and 1K Ipv6 Unicast Routes · 750 K IGMP Groups · 1500 pv4 ingress ACL Entries	"750 K IGMP groups" it is typo error, it should be a 750 or more IGMP groups. Hence requesting to amend ". At Least 2K Ipv4 Unicast Routes and 1K Ipv6 Unicast Routes · 750 or more IGMP Groups · 1500 pv4 ingress ACL Entries"	The switch should have minimum <input type="checkbox"/> At Least 2K Ipv4 Unicast Routes and 1K Ipv6 Unicast Routes <input type="checkbox"/> 750 IGMP Groups <input type="checkbox"/> 1500 pv4 ingress ACL Entries.

Bank's clarification on Pre-bid Queries from Prospective Bidders for the Request for Proposal (RFP) of Supply, Installation and Maintenance of Network Switch and Router with 5 Years Warranty (Bid No: GEM/2024/B/4885083 Dated 24.04.2024)

S No	Page #	Point / Section #	Category (Eligibility/Scope/Commercial/Legal/General)	Clauses mentioned in RFP Document	Comment/Suggestions from Vendors	Modifications / Clarifications to the RFP's clause
197	60	Annexure 12 – Project Details Scope of Work	Technical - 24 port Switch	The Switch should support Rapid Per-VLAN Spanning Tree (RPVST+) to allow each VLAN to build a separate spanning tree to improve link bandwidth usage	MSTP is an IEEE standard (802.1s) that also supports multiple spanning tree instances, similar to RPVST+. However, MSTP is not proprietary like RPVST+ and is supported by a wider range of networking vendors. Requesting to amend "The Switch should support Rapid Per-VLAN Spanning Tree (RPVST+)" MSTP to allow each VLAN to build a separate spanning tree to improve link bandwidth usage."	The Switch should support Rapid Per-VLAN Spanning Tree (RPVST+) or similar to allow each VLAN to build a separate spanning tree to improve link bandwidth usage.
198	50	Annexure 12 – Project Details Scope of Work	Technical - 48 port Switch	The switch should have at least 4GB SDRAM and 4GB flash and switch should have Console Port, one OOBM port	In compliance to the clause, no 10 of Nodal Ministry Order dated 29.8.18 under PPP-MII, it is mandatory to follow TEC GRs. As per technical requirements outlined in the latest LAN Switch GR bearing no. TEC/GR/IT/LSW-01/05/MAR 2014/latest issued by TEC, there is no mention of SDRAM and FLASH configuration. Hence, the current clause is restrictive for domestic OEMs to participate. In compliance to PPP-MII guidelines, we request you to amend the tender clause as "The switch should have at least 2GB SDRAM and 512MB flash and switch should have Console Port, one OOBM port" which is also the prevalent requirement of BFSI segment	No Change
199	7	Make in India (MII)	General	7. Preference to make in India initiative: Preference will be given with the criteria laid down by Bank and as per procedures laid down in Public Procurement (Preference to Make In India) order 2017, revision dated 16/09/2020 vide order P-45021/2/2017-PP (BE – II) dated 16-9-2020 issued by GOI. The guidelines under PPP-MII order and subsequent revisions as mentioned above shall be applicable subject to bidder submitting with Class-I/Class-II local content certificate for the quoted product.	We would like to bring to your notice as per DPIIT's approved Nodal Ministry i.e. DoT gazett order dated 29.08.2018, the mandate minimum qualifying local content is 60% for Ethernet Switches. We request you to provide the clarity in the tender which is not present. All the tenders that have been floated for BFSI PSUs. like Canara bank, SBI, PNB have explicitly mentioned that only MII OEMs meeting the local content of 60% are eligible to participate in the procurement of notified goods. You can also refer the standard GEM tender MII clause in which a reference to the guideline of the Nodal ministry is mentioned. We request you to amend the clause as, " In compliance to the guidelines under PPP-MII order and subsequent revisions along with the gazette orders of the nodal ministry, the quoted switch and router should hve minimum 60% local content. OEM form-I needs to be submitted as per the prescribed format of the gazette order dated 29.08.2018. "	No Change Applicable as per Government directions.
200	50	Annexure 12 – Project Details Scope of Work	Technical - 48 port Switch	Support for minimum of 32K MAC addresses	In compliance to the clause, no 10 of Nodal Ministry Order dated 29.8.18 under PPP-MII, it is mandatory to follow TEC GRs. As per technical requirements outlined in the latest LAN Switch GR bearing no. TEC/GR/IT/LSW-01/05/MAR 2014/latest issued by TEC, there is a mention of 8K MAC addresses under Access Switch. Hence, the current clause is restrictive for domestic OEMs to participate. In compliance to PPP-MII guidelines, we request you to amend the tender clause as "Support for minimum of 16K MAC addresses" which is also the prevalent requirement of BFSI segment.	No Change
201	51	Annexure 12 – Project Details Scope of Work	Technical - 48 port Switch	Switch should able to support multigigabit switches in same stack/ MLAG to support multigigabit ports up to 10 Gbps as and when required in future.	In compliance to the clause, no 10 of Nodal Ministry Order dated 29.8.18 under PPP-MII, it is mandatory to follow TEC GRs. As per technical requirements outlined in the latest LAN Switch GR bearing no. TEC/GR/IT/LSW-01/05/MAR 2014/latest issued by TEC, there is a no mention of MLAG multigigabit ports in Access Switch. The current clause is restrictive for domestic OEMs to participate. Request to delete the tender clause.	Clause Stands deleted
202	51	Annexure 12 – Project Details Scope of Work	Technical - 48 port Switch	The Switch should support Rapid Per-VLAN Spanning Tree (RPVST+) to allow each VLAN to build a separate spanning tree to improve link bandwidth usage.	We would like to bring to your notice that RPVST+ is proprietary to a foreign OEM and is restrictive. Kindly review and consider equivalent MSTP in lieu of the same.	The Switch should support Rapid Per-VLAN Spanning Tree (RPVST+) or similar to allow each VLAN to build a separate spanning tree to improve link bandwidth usage.

Bank's clarification on Pre-bid Queries from Prospective Bidders for the Request for Proposal (RFP) of Supply, Installation and Maintenance of Network Switch and Router with 5 Years Warranty (Bid No: GEM/2024/B/4885083 Dated 24.04.2024)

S No	Page #	Point / Section #	Category (Eligibility/Scope/Commercial/Legal/General)	Clauses mentioned in RFP Document	Comment/Suggestions from Vendors	Modifications / Clarifications to the RFP's clause
203	55	Annexure 12 – Project Details Scope of Work	Technical - 48 port Switch	The Switch should support Green initiative for RoHS (EN 50581:2012) and WEEE regulations	We would like to bring to your notice that EN 50581 is an obsolete foreign RoHS standard. In line to DPIIT make in India guidelines, foreign certifications are restrictive to domestic industry. In view of the same, we request you to consider the amend the clause as, "The switch should support green initiative for Ethernet like EEE and should be TEC/SD/DD/EMC-221/05/OCT certified for EMC as per Indian standards"	The Switch should support Green initiative for RoHS (EN 50581:2012) , WEEE regulations or smillar
204	59	Annexure 12 – Project Details Scope of Work	Technical - 48 port Switch	The switch should have at least 4GB SDRAM and 4GB flash and have The switch should have Console Port, one OOBM port	In compliance to the clause, no 10 of Nodal Ministry Order dated 29.8.18 under PPP-MII, it is mandatory to follow TEC GRs. As per technical requirements outlined in the latest LAN Switch GR bearing no. TEC/GR/IT/LSW-01/05/MAR 2014/latest issued by TEC, there is no mention of SDRAM and FLASH configuration. Hence, the current clause is restrictive for domestic OEMs to participate. In compliance to PPP-MII guidelines, we request you to amend the tender clause as "The switch should have at least 2GB SDRAM and 512MB flash and switch should have Console Port, one OOBM port"	No Change
205	59	Annexure 12 – Project Details Scope of Work	Technical - 24 port Switch	Support for minimum of 32K MAC addresses	In compliance to the clause, no 10 of Nodal Ministry Order dated 29.8.18 under PPP-MII, it is mandatory to follow TEC GRs. As per technical requirements outlined in the latest LAN Switch GR bearing no. TEC/GR/IT/LSW-01/05/MAR 2014/latest issued by TEC, there is a mention of 8K MAC addresses under Access Switch . Hence, the current clause is restrictive for domestic OEMs to participate. In compliance to PPP-MII guidelines, we request you to amend the tender clause as "Support for minimum of 16K MAC addresses"	No Change
206	60	Annexure 12 – Project Details Scope of Work	Technical - 24 port Switch	Switch should be able to support multigigabit switches in same stack/ MLAG to support multigigabit ports up to 10 Gbps as and when required in future.	In compliance to the clause, no 10 of Nodal Ministry Order dated 29.8.18 under PPP-MII, it is mandatory to follow TEC GRs. As per technical requirements outlined in the latest LAN Switch GR bearing no. TEC/GR/IT/LSW-01/05/MAR 2014/latest issued by TEC, there is a no mention of MLAG multigigabit ports in Access Switch. The current clause is restrictive for domestic OEMs to participate. Request to delete the tender clause.	Clause Stands deleted
207	60	Annexure 12 – Project Details Scope of Work	Technical - 24 port Switch	The Switch should support Rapid Per-VLAN Spanning Tree (RPVST+) to allow each VLAN to build a separate spanning tree to improve link bandwidth usage.	We would like to bring to your notice that RPVST+ is proprietary to a foreign OEM and is restrictive. Kindly review and consider equivalent MSTP in lieu of the same.	The Switch should support Rapid Per-VLAN Spanning Tree (RPVST+) or smillar to allow each VLAN to build a separate spanning tree to improve link bandwidth usage.
208	60	Annexure 12 – Project Details Scope of Work	Technical - 24 port Switch	The Switch should support Green initiative for RoHS (EN 50581:2012) and WEEE regulations	We would like to bring to your notice that EN 50581 is an obsolete foreign RoHS standard. In line to DPIIT make in India guidelines, foreign certifications are restrictive to domestic industry. In view of the same, we request you to consider the amend the clause as, "The switch should support green initiative for Ethernet like EEE and should be TEC/SD/DD/EMC-221/05/OCT certified for EMC as per Indian standards"	The Switch should support Green initiative for RoHS (EN 50581:2012) , WEEE regulations or smillar
209	All Switches	MII	Technical	Additional Recommendation as per DoT IPv6 National Telecom Policy Framework guideline	IPv6 Logo Ready Product should be IPv6 Logo Ready logo approved and duly certified from day 1.	No Change
210	7	Make in India (MII)	General	Additional Recommendation as per DPIIT's approved Nodal Ministry i.e. DoT Order dated 29.08.2018	Make in India : The product should meet the local content value addition of min. 60% in compliance to DPIIT's approved Nodal Ministry DoT's notification dated 29th August 2018. Form-1 is to be submitted by the bidder duly declared by the OEM.	Applicable as per Government directions.
211	All Switches	MII	Technical	Additional Recommendation as per DPIIT's approved Nodal Ministry i.e. DoT Order dated 29.08.2018	R&D, IPR creation and product design are done in India only.	No Change
212	All Switches	MII	Technical	Additional Recommendation as per DPIIT's approved Nodal Ministry i.e. DoT Order dated 29.08.2018	The offered product should have undergone VAPT certification. Bidder to submit VAPT certification of the OEM at the time of bidding.	No Change
213	All Switches	MII	Technical	Additional Recommendation as per DPIIT's approved Nodal Ministry i.e. DoT Order dated 29.08.2018	The offered product or any product from the offered product family/ product series should be TSEC certified against LAN Switch TEC GR of March 2014 / latest TEC GR .	No Change