

**Addendum – 2 dated 21<sup>st</sup> June 2024**

**Addendum to the RFP's:**

<b>S No</b>	<b>Point / Section #</b>	<b>Existing Technical Specification</b>	<b>Revised Technical Specification</b>
1	Technical Specifications of Active Components - Switch 48 Port: Network Management (Management Feature) - Point 8 (Page 57)	Provisioned and Dynamic Policies at Layers 1-4 for QoS and Security	Provisioned and Dynamic Policies at Layers 2-4 for QoS and Security
2	Technical Specifications of Active Components - Switch 48 Port: Network Management (Management Feature) - Point 16 (Page 57)	Should have Topology view features	Should have Topology view features or Switches should be capable to integrate with 3rd party SNMP monitoring solutions.
3	Technical Specifications of Active Components - Switch 48 Port: IEEE Standard Compliance - Point 10 (Page 58)	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)	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) or switch must record auth fail/rejection alert in logs.
4	Technical Specifications of Active Components - Switch 24 Port: Other Features - Point 11 (Page 65)	The software should have a mechanism to proactively detect and address potential hardware and software faults during runtime /equivalent.	Should have Topology view features or Switches should be capable to integrate with 3rd party SNMP for detection of SW & HW faults
5	Technical Specifications of Active Components - Router 4 Port: Point 16 (Page 69)	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 router must have minimum 8 GB DRAM for configuration and OS backup in Centralized architecture or minimum 8 GB of DRAM on line card in case of De-Centralized architecture ( chassis based )
6	Technical Specifications of Active Components - Router 4 Port: Point 13 (Page 69)	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.	Hot Swapability: The router must support online hot insertion and removal of cards or SFP transceivers. Any insertion line card or transceivers should not call for router rebooting nor should disrupt the remaining

			unicast and multicast traffic flowing in any way.
7	Technical Specifications of Active Components - Router 4 Port: Point 27 (Page 70)	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	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 / interfaces to add additional Ethernet ports in future.
8	Technical Specifications of Active Components - Router 4 Port: Point 34 (Page 70)	The Router should have at-least 8 GB of DRAM from day one	"The Router should have at-least 8 GB of DRAM from day one in Centralized architecture or 8 GB of DRAM on line card in case of De-Centralized architecture ( chassis based )
9	Technical Specifications of Active Components - Router 4 Port: Point 66 (Page 72)	The router shall support at least 16k queues to offer granular QoS, policing and shaping capabilities."	"The router shall support at least 4k queues to offer granular QoS, policing and shaping capabilities or similar features
10	Technical Specifications of Active Components - 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	The Switch should support IEEE 802.3ad LACP supports up to 16 LAGs, each with up to 8 links per LAG and provide support for static or dynamic groups and a user-selectable hashing algorithm

**Clarification to the Vendor's queries is mentioned under Annexure A.**

All other Terms & Conditions are same as per our RFP Bid no. GEM/2024/B/4885083 Dated 24<sup>th</sup> April 2024 for Supply, Installation and Maintenance of Network Switch and Router with 5 Years Warranty.

**Annexure A**

**Clarification to the vendor's queries:**

S No	Page #	Point / Section #	Category (Eligibility/Scope/Commercial/Legal/General)	Clarification points as stated in the tender document	Comment/ Suggestion/ Deviation	Bank Clarification to the queries
1	18	21	Section C: Router 4 Port	Router must support 5 Gbps of Crypto throughputs for IPSEC performance and minimum of 4000 IPSEC tunnels from day 1 (internal/external).	Please clarify if number of Ipsec tunnels requirement is for site to site or client to site tunnels	site to site
2	50	Point 9 / Section A Switch: 48 Port	Technical Specifications of Active Components - Switch 48 Port	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"	Please refer to addendum published on 04.06.2024
3	50	Point 5 / Section A Switch: 48 Port	Technical Specifications of Active Components - Switch 48 Port	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

4	51	Point 17 / Section A Switch: 48 Port	Technical Specifications of Active Components - Switch 48 Port	At Least 2K Ipv4 Unicast Routes and 1K Ipv6 Unicast Routes	As this is access layer L2 switch, there will be no routing enabled on these switches. Hence request you to modify this clause as below - At Least 2K ipv4/ipv6 unicast routes should be supported	No Change
5	51	Point 17 / Section A Switch: 48 Port	Technical Specifications of Active Components - 48 Port	At Least 2K Ipv4 Unicast Routes and 1K Ipv6 Unicast Routes	As this is access layer L2 switch, there will be no routing enabled on these switches. Hence request you to modify this clause as below - At Least 2K ipv4/ipv6 unicast routes should be supported	No Change
6	53	Point 1 / Section A Switch: 48 Port - Security Features	Technical Specifications of Active Components - Switch 48 Port	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	Please refer to addendum published on 04.06.2024
7	56	Point 10 / Section A Switch: 48 Port Other features	Technical Specifications of Active Components - Switch 48 Port	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