

PREBID REPORT

The online meeting for Pre-bid discussion and presentation was held via Google Meet on Sep 01, 2025 @ 03:00 P.M. at IIT Indore for Procurement of Indoor Wi-fi's, Wireless LAN Controllers and Layer 2 Access Switches, Qty-as per tender through GeM BOQ Bidding, Bid No. GEM/2025/B/6598508.

Sl. No.	Device Type	Ref. No.	Technical Specifications	Change Requested	Justification/Queries	Response from IITI
Queries raised by:- (1) M/s. Sky Futuristic Services and (2) M/s. Cypress Solutions Pvt. Ltd.						
1	Layer 2 Access Switch – Type-I	5	Switch should have minimum 2 GBRAM and 2 GBFlash.	Switch should have minimum 4 GBRAM and 4 GBFlash.	VXLAN, MACsec, and advanced Layer 2 and Layer 3 features have been specified, higher RAM and flash memory are essential to enable these capabilities and ensure efficient operation. Therefore, we request a revision of this clause to support better performance, future scalability, and long-term operational stability."	No change
2	Layer 2 Access Switch – Type-I	8	Switch shall have minimum 16K MAC Addresses and 250 active VLAN.	Switch shall have minimum 64K MAC Addresses and 250 active VLAN.	16K MAC address scale is insufficient for modern campus networks and VXLAN-based environments. We request an increase in the MAC address table scale to ensure efficient network operation, support future scalability, and align with evolving design architectures—thereby ensuring investment protection	No change
3	Layer 2 Access Switch – Type-I	9	Should support minimum 11K IPv4 routes or more	Should support minimum 32K IPv4 routes or more	An 11K IPv4 route scale is insufficient for modern campus networks and VXLAN-based environments, which commonly require larger routing tables due to increased segmentation, multi-VRF deployments, and dynamic routing protocols. We request an increase in route scale to ensure efficient network operation, support future scalability, and align with evolving design architectures—thereby ensuring long-term investment protection.	No change
4	Layer 2 Access Switch – Type-I	10	Switch shall have 1K or more multicast routes.	Switch shall have 8K or more multicast routes.	A multicast routing scale of 1K entries is inadequate for modern campus networks and VXLAN-based designs, where multicast is extensively used for services such as IPTV, conferencing, mDNS, and service discovery across multiple segments and VRFs. We request an increase in multicast route scale to at least 8K to ensure efficient operation, support for future growth, and alignment with scalable network architectures—thereby protecting infrastructure investments	No change
5	Layer 2 Access Switch – Type-I	11	Switch should support at least 16K flow entries	Switch should support NetFlow/jFlow/sFlow	Proposed Switch will forward all the flows to collector irrespective of number. This is an OEM's specific term, we request to change this clause	Please read this as "Switch should support NetFlow/jFlow/sFlow"
6	Layer 2 Access Switch – Type-I	12	Switch should support 64 or more STP/MSTP Instances.	Switch should support STP/PVRSTP/MSTP and should have 64 or more STP Instances."	Request to change this clause for wider OEM's participation	Please read this as "Switch should support 32 or more STP/MSTP Instances."
7	Layer 2 Access Switch – Type-I	13	Switch should have 6MB or more packet buffer.	Switch should have 4MB or more packet buffer.	The proposed switch is built on a non-blocking architecture and operates at wire-speed forwarding. As it is intended for deployment in a campus network—where traffic patterns are generally predictable and bursty traffic is minimal—higher buffer capacity is not a critical requirement. Therefore, we request a revision of this clause accordingly.	Please read this as "Switch should have 4MB or more packet buffer."
8	Layer 2 Access Switch – Type-I	15	Switch must have functionality like static routing, RIP, PIM, OSPF, VRRP, PBR and QoS features from Day1	Switch must have functionality like static routing, RIP, PIM, OSPF(Full Scale), VRRP, PBR and QoS features from Day1	OSPF support is required from Day-1, we request that the full OSPF scale supported by the hardware be explicitly specified. Some OEMs implement OSPF with limitations that may restrict network operations at a later stage or require additional licensing fees for scale upgrades, potentially increasing total cost of ownership and impacting network scalability	No change
9	Layer 2 Access Switch – Type-I	19	Switch should support IPv6 Binding Integrity Guard, IPv6 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbour Discovery Inspection and IPv6 Source Guard.	Switch should support IPv6 Binding Integrity Guard/IPv6 Access Security, IPv6 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbour Discovery Inspection and IPv6 Source Guard.	IPv6 Binding Integrity Guard is an OEM's specific terminology, We support the equivalent features, Request to change this clause for wider OEM participation	Please read this "Switch should support IPv6 Binding Integrity Guard/IPv6 Access Security, IPv6 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbour Discovery Inspection and IPv6 Source Guard."
10	Layer 2 Access Switch – Type-I	20	Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment and MACSec-128 on hardware for all ports.	Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment and MACSec-256 on hardware.	MACsec feature is required to be enabled only on uplink ports of access switches, as downlink ports typically connect to endpoints that do not support MACsec. We request this clause be revised accordingly to allow broader participation from OEMs and ensure practical deployment flexibility	No Change
11	Layer 2 Access Switch – Type-II	5	Switch should have minimum 2 GB RAM and 2 GB Flash.	Switch should have minimum 4 GB RAM and 4 GB Flash.	VXLAN, MACsec, and advanced Layer 2 and Layer 3 features have been specified, higher RAM and flash memory are essential to enable these capabilities and ensure efficient operation. Therefore, we request a revision of this clause to support better performance, future scalability, and long-term operational stability."	No change
12	Layer 2 Access Switch – Type-II	9	Switch shall have minimum 16K MAC Addresses and 4000 VLAN IDs.	Switch shall have minimum 64K MAC Addresses and 4000 VLAN IDs.	16K MAC address scale is insufficient for modern campus networks and VXLAN-based environments. We request an increase in the MAC address table scale to ensure efficient network operation, support future scalability, and align with evolving design architectures—thereby ensuring investment protection	No change
13	Layer 2 Access Switch – Type-II	10	Should support minimum 11K IPv4 routes or more	Should support minimum 32K IPv4 routes or more	An 11K IPv4 route scale is insufficient for modern campus networks and VXLAN-based environments, which commonly require larger routing tables due to increased segmentation, multi-VRF deployments, and dynamic routing protocols. We request an increase in route scale to ensure efficient network operation, support future scalability, and align with evolving design architectures—thereby ensuring long-term investment protection.	No change
14	Layer 2 Access Switch – Type-II	11	Switch shall have 1K or more multicast routes.	Switch shall have 8K or more multicast routes.	A multicast routing scale of 1K entries is inadequate for modern campus networks and VXLAN-based designs, where multicast is extensively used for services such as IPTV, conferencing, mDNS, and service discovery across multiple segments and VRFs. We request an increase in multicast route scale to at least 8K to ensure efficient operation, support for future growth, and alignment with scalable network architectures—thereby protecting infrastructure investments	No change
15	Layer 2 Access Switch – Type-II	12	Switch should support at least 16K flow entries	Switch should support NetFlow/jFlow/sFlow	Proposed Switch will forward all the flows to collector irrespective of number. This is an OEM's specific term, we request to change this clause	Please read this as "Switch should support NetFlow/jFlow/sFlow"

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16	Layer 2 Access Switch – Type – II	13	Switch should support STP/PVRSTP/MSTP and should have 128 or more STP Instances.	Switch should support STP/PVRSTP/MSTP and should have 64 or more STP Instances."	Request to change this clause for wider OEM's participation	Please read this as "Switch should support STP/PVRSTP/MSTP and should have 64 or more STP Instances."
17	Layer 2 Access Switch – Type – II	14	Switch should have 8MB or more packet buffer.	Switch should have 4MB or more packet buffer.	The proposed switch is built on a non-blocking architecture and operates at wire-speed forwarding. As it is intended for deployment in a campus network—where traffic patterns are generally predictable and bursty traffic is minimal—higher buffer capacity is not a critical requirement. Therefore, we request a revision of this clause accordingly.	Please read this as "Switch should have 4MB or more packet buffer"
18	Layer 2 Access Switch – Type – II	18	Switch must have functionality like static routing, RIP, PIM, OSPF (1000 routes), VRRP, PBR and QoS features from Day 1	Switch must have functionality like static routing, RIP, PIM, OSPF (Full Scale), VRRP, PBR and QoS features from Day 1	OSPF support is required from Day-1, we request that the full OSPF scale supported by the hardware be explicitly specified. Some OEMs implement OSPF with limitations that may restrict network operations at a later stage or require additional licensing fees for scale upgrades, potentially increasing total cost of ownership and impacting network scalability	No change
19	Layer 2 Access Switch – Type – II	24	Switch should support IPv6 Binding Integrity Guard, IPv6 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbor Discovery Inspection and IPv6 Source Guard.	Switch should support IPv6 Binding Integrity Guard/IPv6 Access Security, IPv6 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbour Discovery Inspection and IPv6 Source Guard.	IPv6 Binding Integrity Guard is an OEM's specific terminology, We support the equivalent features, Request to change this clause for wider OEM participation	Please read this "Switch should support IPv6 Binding Integrity Guard/IPv6 Access Security, IPv6 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbour Discovery Inspection and IPv6 Source Guard."
20	Layer 2 Access Switch – Type – II	25	Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment and MACSec- 128 on hardware for all ports.	Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment and MACSec-128 on hardware.	MACsec feature is required to be enabled only on uplink ports of access switches, as downlink ports typically connect to endpoints that do not support MACsec. We request this clause be revised accordingly to allow broader participation from OEMs and ensure practical deployment flexibility	No Change
21	Page 23 of detailed RFP		Page 8 Sr. No. 11 Declaration of local content (on OEM's Letter Head)	MII Class -I & Class-II	As per latest guideline from the department (Govt.) Local content should be more than 60% for networking items, please amend accordingly.	please refer to Commercial Terms & Conditions on GeM 4.0 (version 1.25) dated 14.07.2025 on page 7 & 08.
22	Page 18 RFP		b) Compatibility with 200 Cisco access Switches and 20 distribution switches *		please clarify compatibility in what respect, anywhere and everywhere network works in heterogeneous environment. Please clarify about the protocol or services that need to be compatible with another brand.	All standard networking protocols must work to maintain compatibility with the existing infrastructure of IIT Indore
			e) Deployment of network with minimum 200 switches		Please allow deployment in other organization also for qualifying criteria, or make it to single order for centrally funded educational institutions.	Please read this as - "OEM should have deployed networking solutions in at least 3 Centrally funded educational institutions (CFTIs/IITs)/ IITs/Central or State Govt. organizations/Large public Enterprise Companies) with minimum 200 switches. All deployment should be successfully working for a minimum of one year as on the date of the bid."
23			d) Deployment with 300 AP,			Please read this as - "Similar deployment in India – OEM should have deployed Wireless solution in at least three Centrally funded educational institutions (CFTIs/IITs)/ IITs/Central or State Govt. organizations/Large public Enterprise Companies) with minimum 300 APs. All deployment should be successfully working for a minimum of one year as on the date of the bid. OEM should submit self-declaration on legal letterhead. "
24			p) OEM should have 10 spare Depot in India		Either it should be near to IIT Indore (Specific distance to reach soon) or even 1 number enough. Please make it relevant to availability of spare and lead time to reach IIT Indore.	No Changes
Queries raised by:- (3) M/s. Aerial Telecom Solutions Pvt. Ltd.						
25	Pre-Installation	4		Please also mention the pre-installation requirements for the equipment like ambient temperature, humidity, civil work, weather specifications, power specifications, etc. When items are provided full performance satisfaction should be demonstrated.	We need clarity on the scope of passive and fiber cabling. Additionally, we require confirmation regarding the survey/heatmap, and whether this is a greenfield deployment.	There is no passive or cabling work in the scope of the bidder.
26	Site Preparation	5	a) Site Preparation: The supplier should inform the Institute about the site preparation, if any, needed for the installation of equipment, immediately after the receipt of the purchase order. The supplier has to state in detail the floor space, electrical power/UPS and air-condition requirements in the technical bid. The supplier should continuously monitor the pre-installation requirements and see that everything is ready before the equipment is transferred to the site for installation.		Please clarify required about whether the site preparation scope will be under the bidder or IIT.	Site preparation will be in the scope of IIT Indore.
Queries raised by:- (4) Varenia Tech/Varenia Agrahri						
27	Make in India		GEM/2025/B/6598508 dated 22/08/2025- Bid MII Clause AS per GeM Bid Procurement (preference to Make-in -India) order 2017 dated 04.06.2020. Only Class-I and Class-II Local suppliers as per MII order dated 4.6.2020 will be eligible to bid. Non - Local suppliers as per MII order dated 04.06.2020 are not eligible to participate. As per the latest DoT Notification dated October 21, 2024 (File No. 17338228512024.10.21 - PP-PMI_DoT_21Oct2024), issued under the Public Procurement (Preference to Make in India) Order, the previous notification stands superseded.	Request, In view of the above, the tender must, allow participation only from OEMs with 60% or more Local Content as per the DoT's latest guidelines.	Key points from the notification: • Only OEMs with minimum 60% Local Content (MII compliant) are eligible to participate. • Class I suppliers (50% LC) and Class II suppliers (20% LC) are not eligible to participate.	The guidelines notified by the Ministry of Communications (Department of Telecommunication) dated 21/10/2024 will be followed.

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28	Certificate		Certification like EAL2/NDPP is American Certificates and not valid for MII products. Such certification Favors Foreign OEM only which is against MII Policy. Restricting MII Products.	Kindly remove any such certification, which restricts MII Products.		Please read this as " Switch / Switch's Operating System should be tested for EAL 2/NDPP or above under Common Criteria Certification or any equivalent local govt approved certificate"
29				Excessive experience	(300 Nos. of AP exp.) is restrictive and discriminatory in nature as per Notification No. P-45014/33/2021-BE-II (E-64737) dated 20th December 2022.	Please read this as -"Similar deployment in India – OEM should have deployed Wireless solution in at least three Centrally funded educational institutions (CFTIs/IIMs)/ IITs/Central or State Govt. organizations/Large public Enterprise Companies) with minimum 300 APs. All deployment should be successfully working for a minimum of one year as on the date of the bid. OEM should submit self-declaration on legal letterhead. "
30	Experience			Experience of any segment must be allowed.	OEM Experience for 200 Switches only in educational Institute is highly uncalled for and biased for particular OEM.	Please read this as - "OEM should have deployed networking solutions in at least 3 Centrally funded educational institutions (CFTIs/IIMs)/ IITs/Central or State Govt. organizations/Large public Enterprise Companies) with minimum 200 switches. All deployment should be successfully working for a minimum of one year as on the date of the bid."
31				The same point seems favouring particular OEM and must be removed.	Switch experience of 200 nos. is to high with respect to total no. of requirements, violating the Notification No. +G38+G39	Please read this as - "OEM should have deployed networking solutions in at least 3 Centrally funded educational institutions (CFTIs/IIMs)/ IITs/Central or State Govt. organizations/Large public Enterprise Companies) with minimum 200 switches. All deployment should be successfully working for a minimum of one year as on the date of the bid."
Queries rasied by:- (5) M/s. Arch Network Technologies (India) Pvt. Ltd.						
32	As per NIT Section-II Part-II	3	WLC should have capability to host 3000 APs from day 1.		Kindly amend the clause as "WLC should have capability to host 2000 APs from day 1 controller.	This is required as Institute is expanding day by day. So please read this as "Solution should have capability to host 3000 APs from day 1 with single controller or cluster of controllers."
33		4	WLC should support 30K or more clients			No query raised
34		5	WLC/ WLAN Tunnel aggregator devices should have 4x /10Gbps and 2x 25Gbps and support maximum through throughput Up to 50 Gbps, must be supplied with two supporting SFP+ modules		Kindly amend the clause as "WLC/ WLAN Tunnel aggregator devices should have 4x /10Gbps or 25Gbps and support maximum through throughput Up to 40 Gbps, must be supplied with two supporting SFP+ modules	No Change
35		9	Access Point shall support Console port that uses Standard Port (RJ-45) type connection		Kindly amend the clause as " Access Point shall support Console port that uses Standard Port (RJ-45) type connection/USB console port.	Please read this as "Access Point shall support Console port that uses Standard Port (RJ-45) type connection/USB console port."
36	Wireless Access Point Type – I	25	Access Point Must continue serving clients when link to controller is down. It should also have option to authenticate user through Radius server directly from Access Point during link unavailability to controller.		Kindly amend the clause as " Access Point Must continue serving clients when link to primary controller is down, WLC should be deployed in High availability. It should also have option to authenticate user through Radius server directly from Access Point during link unavailability to primary controller, WLC should be deployed in High availability	No Change.
37	Wireless Access Point Type – II	9	Access Point shall support Console port that uses Standard Port (RJ-45) type connection		Kindly amend the clause as " Access Point shall support Console port that uses Standard Port (RJ-45) type connection/USB console port	Please read this as "Access Point shall support Console port that uses Standard Port (RJ-45) type connection/USB console port."
38		13	Must Support data rate up to 5 gbps.		Kindly amend the clause as " Must Support data rate up to 3.5 gbps.	No Change
39		17	Must have -97 dB or better Receiver Sensitivity.		Kindly amend the clause as 'Proposed AP support -96 dbm Receiver sensitivity	Please read this as "Proposed AP support -96 dbm Receiver sensitivity"
40		25	Access Point Must continue serving clients when link to controller is down. It should also have option to authenticate user through Radius server directly from Access Point during link unavailability to controller.		Kindly amend the clause as " Access Point Must continue serving clients when link to primary controller is down, WLC should be deployed in High availability. It should also have option to authenticate user through Radius server directly from Access Point during link unavailability to primary controller, WLC should be deployed in High availability	No Change
41	Wireless Access Point Type – III	25	Access Point Must continue serving clients when link to controller is down. It should also have option to authenticate user through Radius server directly from Access Point during link unavailability to controller.		Kindly amend the clause as " Access Point Must continue serving clients when link to primary controller is down, WLC should be deployed in High availability. It should also have option to authenticate user through Radius server directly from Access Point during link unavailability to primary controller, WLC should be deployed in High availability	No Change
42	Layer 2 Access Switch – Type– I	6	Switch should have dedicated slot for modular stacking, in addition to uplink ports. Should support minimum 40 Gbps of stacking throughput with 8 switch in single stack.		Kindly amend the clause as "Switch should have dedicated slot for modular stacking or Front plane stacking using Uplink ports,Should support minimum 40 Gbps of stacking throughput with 8 switch in single stack.	Please read this " Switch should have dedicated slot or ports for modular stacking, in addition to uplink ports. Should support minimum 40 Gbps of stacking throughput with 8 switch in single stack."
43		11	Switch should support at least 16K flow entries		Kindly amend the clause as "Switch should support at least 16K flow entries/Sflow	Please read this as " Switch should support NetFlow/Flow/sFlow "
44		12	Switch should support 64 or more STP/MSTP Instances.		Kindly amend the clause as " Switch should support 32 or more STP/MSTP Instances.	Please read this as "Switch should support 32 or more STP/MSTP Instances."
45		13	Switch should have 6MB or more packet buffer.			Please read this as "Switch should have 4MB or more packet buffer."
46		19	Switch should support IPv6 Binding Integrity Guard, IPv6 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbour Discovery Inspection and IPv6 Source Guard.		Kindly amend the clause as " switch should support IPv6 Binding Integrity Guard /IPv6 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbour Discovery Inspection and IPv6 Source Guard. IPv6 Binding Integrity Guard is OEM specific	Please read this "Switch should support IPv6 Binding Integrity Guard/IPv6 Access Security, IPv6 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbour Discovery Inspection and IPv6 Source Guard."
47		20	Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment and MACSec-128 on hardware for all ports.		Kindly amend the clause as "switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment and MACSec in uplink port	No Change

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48	Layer 2 Access Switch – Type – II,	6	Switch should have dedicated slot or Ports for modular stacking, in addition to asked uplink ports. Should support for minimum 80 Gbps of stacking throughput with 8 switch in single stack.		Kindly amend the clause as "Switch should have dedicated slot for modular stacking or Front plane stacking using Uplink ports, Should support minimum 40 Gbps of stacking throughput with 8 switch in single stack."	Please read this " Switch should have dedicated slot or ports for modular stacking, in addition to uplink ports. Should support minimum 40 Gbps of stacking throughput with 8 switch in single stack."
49		12	Switch should support at least 16K flow entries		Kindly amend the clause as "Switch should support at least 16K flow entries/Sflow	Please read this as " Switch should support NetFlow/jFlow/sFlow "
50		13	Switch should support STP/PVRSTP/MSTP and should have 128 or more STP Instances.		Kindly amend the clause as "Switch should support STP/PVRSTP/MSTP and should have 32 or more STP Instances.	Please read this as "Switch should support STP/PVRSTP/MSTP and should have 64 or more STP Instances."
51		18	Switch must have functionality like static routing, RIP, PIM, OSPF(1000 routes), VRRP, PBR and QoS features from Day1		Kindly amend the clause as "switch must have functionality like static routing, RIP, PIM, OSPF, VRRP, PBR and QoS features from Day1	No change
52		24	Switch should support IPv6 Binding Integrity Guard, IPv6 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbor Discovery Inspection and IPv6 Source Guard.		Kindly amend the clause as " switch should support IPv6 Binding Integrity Guard /IPv6 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbour Discovery Inspection and IPv6 Source Guard. IPv6 Binding Integrity Guard is OEM specific	Please read this "Switch should support IPv6 Binding Integrity Guard/IPv6 Access Security, IPv6 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbour Discovery Inspection and IPv6 Source Guard."
53		25	Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment and MACSec- 128 on hardware for all ports.		Kindly amend the clause as "switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment and MACSec in uplink port	No Change
Queries raised by:- (6) M/s. Quantum Networks						
54	II. Wireless Access Point Type - I	10	Access Point should have 1x 100/1000/2500 Base-T uplink port along with 3x 10/100/1000 Base-T 1 gig port.		These much ports are not required in access points, 1 no. of PoE ports is enough to provide data and power. Hence requesting to consider revised clause: "Access Point should have 1x 100/1000/2500 Base-T uplink port along with 1 x 10/100/1000 Base-T 1 gig port."	No Change
55	III. Wireless Access Point Type - II	2	Access Point shall be able to powered up using PoE 802.3af/at.		4x4 AP require high power, so please consider 802.3bt power standard. Requesting to amend the clause to: "Access Point shall be able to powered up using PoE 802.3af/at/bt."	No change
56	III. Wireless Access Point Type - II	29	Access point should be Wi-Fi 6 certified.		A product with radio or Wi-Fi functionality manufactured in India, is required WPC (ETA) certificate, "Wi-Fi 6 certified" is being provided by Wi-Fi alliance which is a international organization. Hence, requesting to consider WPC certificate and amend the clause to: "Access point should be WPC (ETA) certified."	Please read this as " Access point should be Wi-Fi 6 certified or equivalent certification as per local govt direction"
57	IV. Wireless Access Point Type - III	1	Access Point shall support tri radio operation with 4x4 MIMO on all three radio interfaces and MU-MIMO technology with option to combine the 2 radio to operate on 8x8 operation.		As this is Wi-Fi 6 requirement so please consider dual radio as 2.4 GHz and 5 GHz, and requesting to amend the clause to: "Access Point shall support dual radio operation with 4x4 MIMO on all dual radio interfaces and MU-MIMO technology "	No Change
58	IV. Wireless Access Point Type - III	4	Access Point shall be able to powered up using 802.3at power with full radio operation.		4x4 AP require high power, so please consider 802.3bt power standard. Requesting to amend the clause to: "Access Point shall be able to powered up using PoE 802.3af/at/bt."	No change
59	IV. Wireless Access Point Type - III	30	Access point should be wifi 6 certified		A product with radio or Wi-Fi functionality manufactured in India, is required WPC (ETA) certificate, "Wi-Fi 6 certified" is being provided by Wi-Fi alliance which is a international organization. Hence, requesting to consider WPC certificate and amend the clause to: "Access point should be WPC (ETA) certified."	Please read this as " Access point should be Wi-Fi 6 certified or equivalent certification as per local govt direction"
60	I. Wireless Controller	5	WLC/ WLAN Tunnel aggregator devices should have 4x /10Gbps and 2x 25Gbps and support maximum through throughput Up to 50 Gbps, must be supplied with two supporting SFP+ modules		Controller is used to manage the access points, where 25G ports are not required, also through put mentioned is very high to eligibile some OEMs. We are requesting to please revise the clause as, "WLC/ WLAN Tunnel aggregator devices should have 4x /10Gbps and must be supplied with two supporting SFP+ modules"	No Change
61	V. Layer 2 Access Switch - Type - I	1	Switch shall have 16 nos. 10/100/1000 Base-T ports and additional 8 nos. port supporting 100MB/1G/2.5G/5G/10G Additional 4 nos. SFP+ uplinks ports.		5/10G PoE switches are very rare and manufactured by some OEMs, we have 2.5 PoE switches, and requesting to amend the clause to: "Switch shall have 24 nos. 10/100/1000/2500 Base-T PoE+ ports and additional 4 nos. 10/25G SFP+/SFP28 uplinks ports."	No change
62	V. Layer 2 Access Switch - Type - I	16	Switch should support network segmentation that overcomes the limitation of VLANs using VXLAN and VRFs.		VxLAN – VXLAN is mainly used for extending Layer 2 networks over Layer 3 or for multi-tenant setups. If these features aren't needed, VXLAN adds extra overhead, complicates MTU settings, and uses more switch resources. Removing it makes the network simpler, faster, and easier to manage. VRF – VRF is typically used for traffic segmentation, overlapping IP address support, or multi-tenant isolation. If these features are not being actively used, VRF becomes redundant and adds unnecessary complexity. It consumes switch resources by maintaining separate routing tables and increases the chances of misconfiguration. Hence, we are requesting to remove the clause to simplify the network, improve performance, and make troubleshooting easier.	No change
63	V. Layer 2 Access Switch - Type - I	20	Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment and MACSec-128 on hardware for all ports.		Requesting to consider MACSec on uplinks ports.	No Change
64	V. Layer 2 Access Switch - Type - I	25	Switch / Switch's Operating System should be tested for EAL 2/NDPP or above under Common Criteria Certification.		Our network switch has been thoroughly tested by a CERT-IN-approved lab through VAPT, which checks for security weaknesses in the operating system and firmware -just like the EAL2/NDPP certification does. The VAPT certificate shows it meets the similar security standards. We kindly request to ask that the VAPT certificate be accepted as an equivalent proof of security.	Please read this as " Switch / Switch's Operating System should be tested for EAL 2/NDPP or above under Common Criteria Certification or any equivalent local govt approved certificate"
65	VI. Layer 2 Access Switch - Type - II	19	Switch should support network segmentation that overcomes the limitation of VLANs using VXLAN and VRFs.		VxLAN – VXLAN is mainly used for extending Layer 2 networks over Layer 3 or for multi-tenant setups. If these features aren't needed, VXLAN adds extra overhead, complicates MTU settings, and uses more switch resources. Removing it makes the network simpler, faster, and easier to manage. VRF – VRF is typically used for traffic segmentation, overlapping IP address support, or multi-tenant isolation. If these features are not being actively used, VRF becomes redundant and adds unnecessary complexity. It consumes switch resources by maintaining separate routing tables and increases the chances of misconfiguration. Hence, we are requesting to remove the clause to simplify the network, improve performance, and make troubleshooting easier.	No Change
66	VI. Layer 2 Access Switch - Type - II	25	Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment and MACSec-128 on hardware for all ports.		Requesting to consider MACSec on uplinks ports.	No Change

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(Materials Management Section)

67	VI. Layer 2 Access Switch - Type - II	30	Switch / Switch's Operating System should be tested for EAL 2/NDPP or above under Common Criteria Certification.		Our network switch has been thoroughly tested by a CERT-IN-approved lab through VAPT, which checks for security weaknesses in the operating system and firmware -just like the EAL2/NDPP certification does. The VAPT certificate shows it meets the similar security standards. We kindly request to ask that the VAPT certificate be accepted as an equivalent proof of security.	Please read this as " Switch / Switch's Operating System should be tested for EAL 2/NDPP or above under Common Criteria Certification or any equivalent local govt approved certificate"
Queries raised by:- (7) M/s. Technoware Systems India Pvt. Ltd.						
68	ATC File Page 09 Section II, Point 13		Solvency Certificate Bidder or OEM must submit a certificate of Rs. 15,90,00,000/- . The certificate should be issued from Scheduled Commercial Public Sector Bank and the same should not be more than 06 months old as on the last date of bid submission.	Kindly Change to 3-4 Cr	Request you to revise the solvency certificate amount from ₹16 Crores to ₹3 -4 Crores. Since the tender value is approximately ₹4-5 Crores, it is appropriate that the solvency certificate aligns with the tender budget range. Requiring a solvency certificate of four times the tender value may unnecessarily exclude many prospective bidders from participating, which could limit competition. Also MSME bidder should be allowed to submit 3 CR Solvency Certificate.	Bidder or OEM must submit a certificate of Rs. 1,59,00,000/- . The certificate should be issued from Scheduled Commercial Public Sector Bank and the same should not be more than 06 months old as on the last date of bid submission.
69	ATC File Page 4 SECTION I – Liquidated Damages Point 10		As time is the essence of an order, the date of delivery should be strictly adhered to, otherwise the delivery in full or in part may not be accepted and penalty for late delivery will be imposed @ 0.5% (Half Percent) per week subject to a maximum of 10% of the total value of supply order & beyond 10% subject to approval of IIT Indore. In case of delay in satisfactory Installation Commissioning, Testing, Inspection, Certification etc. also the same rate of penalty shall be liable. Non- Delivery of material/service may lead to forfeiture of PBG and debarment of the supplier.	Request to kindly remove this LD Clause	We would like to bring to your attention that delays in the delivery of OEM material may occur due to global factors beyond the vendor's control, such as international tariffs, supply chain disruptions, and geopolitical conflicts. These circumstances can significantly affect lead times despite the vendor's best efforts. In light of this, we respectfully request that the penalty clause be reconsidered or waived in cases where delays are caused by such uncontrollable external factors. We remain committed to transparency and timely communication regarding any potential delays and will take all reasonable measures to mitigate their impact. We appreciate your understanding and support and hope for a mutually agreeable resolution. Also MSME bidders should be exempted from this clause looking all factors.	No Change
70	ATC File Page 05 Section-I-Delivery Point 21 sub point E		The date of delivery should be strictly adhered to failing which the purchase/contract order is liable to be cancelled. Penalty may be imposed as per P.O. terms & conditions. Items should be delivered free of cost to IIT INDORE.	Request you to kindly extend the delivery period to 120 - 160 days.	All major OEM's are facing Delays in chipset and hardware material, exacerbated by Geopolitical Conflicts Tariff and Trade Barriers	No Change
71	Technical Compliance (Eligibility Criteria for OEM and Bidder) Page No 09 Point D		Similar deployment in India – OEM should have deployed Wireless solution in at least three Centrally funded educational institutions (CFTIs/IITs)/ IITs/Central or State Govt. organizations/Large public Enterprise Companies) with minimum 300 APs. All deployment should be successfully working for a minimum of one year as on the date of the bid. OEM should submit self-declaration on legal letterhead.	CFTIs/IITs)/ IITs/Central or State Govt. organizations/Large public Enterprise Companies		Please read this as -"Similar deployment in India – OEM should have deployed Wireless solution in at least three Centrally funded educational institutions (CFTIs/IITs)/ IITs/Central or State Govt. organizations/Large public Enterprise Companies) with minimum 300 APs. All deployment should be successfully working for a minimum of one year as on the date of the bid. OEM should submit self-declaration on legal letterhead. "
72	Technical Compliance (Eligibility Criteria for OEM and Bidder) Page No 09 Point E		OEM should have deployed networking solutions in at least 3 CFTIs/IITs/IITs/Govt. Educational institutions with minimum 200 switches. All deployment should be successfully working for a minimum of one year as on the date of the bid. OEM should submit self declaration on legal letterhead.	Kindly reduce the Quantity to 20 Switches. Moreover Central or State Govt. organizations/Large public Enterprise Companies/ Govt PSU's should be allowed	In Tender only 20 Quantities are asked for supply, then PQ should be 20 Qty at single location. This is restrictive and limiting OEM to participate PQ should be uniform as in Switches	Please read this as - "OEM should have deployed networking solutions in at least 3 Centrally funded educational institutions (CFTIs/IITs)/ IITs/Central or State Govt. organizations/Large public Enterprise Companies) with minimum 200 switches. All deployment should be successfully working for a minimum of one year as on the date of the bid."
73	Technical Compliance (Eligibility Criteria for OEM and Bidder) Page No 09 Point N		The Bidder should have at least 3 wireless technology certified engineers on their payroll as of the date of submission of the bid. The bidder should provide the wireless certified engineer's details with document proof. Further, these resources should have prior implementation/maintenance of projects like Campus-wide WLAN, management			No query raised
74	Technical Compliance (Eligibility Criteria for OEM and Bidder) Page No 09 Point B		The proposed solution shall be compatible with the existing infrastructure of IIT Indore, which comprises around 200 Cisco access Switches and 20 distribution switches			All standard networking protocols must work to maintain compatibility with the existing infrastructure of IIT Indore
75			WLC/ WLAN Tunnel aggregator devices should have 4x /10Gbps and 2x 25Gbps and support maximum throughput Up to 50 Gbps, must be supplied with two supporting SFP+ modules	Kindly Remove 2x25G Port	As 25 Gbps not available in most of the OEM, kindly remove the same No 2x25G Port, Throughput 20Gbps	No change
76	Wireless Controller, Quantity- 02		WLC should have capability to host 3000 APs from day 1.	Kindly change to 1800 AP's from day 1.	In tender around 500 AP asked to supply Asking for 3000 AP controller is not logical and limiting other OEM to participate	This is required as Institute is expanding day by day. So please read this as "Solution should have capability to host 3000 APs from day 1 with single controller or cluster of controllers."
77	Wireless Access Point Type – I , Quantity- 350		Access Point shall support encrypted traffic visibility	provides encrypted traffic telemetry at the session and header level	Please Confirm	Please read this as -"Access Point shall support encrypted traffic visibility or equivalent feature"
78			Access Point shall support Console port that uses Standard Port (RJ-45) type connection	Can be managed by GUI,SSH/CLI, Cloud Management	Please Confirm	Please read this as "Access Point shall support Console port that uses Standard Port (RJ-45) type connection/USB console port."
79			Access Point should have 1x 100/1000/2500Base-T uplink port along with 3x 10/100/1000 Base-T 1gig port.	Please Change: 1x1G Port with 4x1G port	Kindly remove MultiGig Port (2500 BaseT)	No Changes
80			Must have at least 3 dBi Antenna gain on each radios	Please Change to 1 DBi for Wider participation		No Change
81			Must support 16 WLANs per AP for SSID deployment flexibility.	Please Change to 8 WLAN per AP for SSID	16 not available	No Change
82	Wireless Access Point Type – II , Quantity- 65		Access Point shall support Console port that uses Standard Port (RJ-45) type connection	Can be managed by GUI,SSH/CLI, Cloud Management		Please read this as "Access Point shall support Console port that uses Standard Port (RJ-45) type connection/USB console port."
83			Must Support data rate up to 5gbps.	Please change to 3.5 gbps		No Change

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(Materials Management Section)

84	Wireless Access Point Type – III , Quantity- 40		AccessPointshall supporttriradiooperation with4x4MIMO on all three radio interfaces and MU-MIMO technology with option to combinethe 2 radio to operate on 8x8 operation.	Kindly Change: 4x4MIMO on Two Radios		No Change
85			Access Pointshouldhave1x 100, 1000, 2500, 5000 Multigigabit Ethernet (RJ-45)	One 2.5Gbps Ethernet port and one 1Gbps Ethernet port		No Change
86			Musthaveatleast 4dBi Antenna gain oneach radios	Please Change to 3 DBi for Wider participation		No Change
87			MustSupport data rate upto 5gbps.	Please change to 3.5 gbps		No Change
88	Layer 2 Access Switch – Type- I		Switch shall have 16 nos. 10/100/1000 Base-T ports and additional 8 nos. port supporting 100MB/1G/2.5G/5G/10G . Additional 4 nos. SFP+ uplinks ports.	Request you to kindly Change 24-port with 12-port 100/1000 Mbps/2.5 Gbps 802.3bt POE++, 12-port 100/1000 Mbps/2.5/5/10 Gbps 802.3bt POE++.		No Change
89			All24portshouldsupportPoE(802.3af)andPoE+(802.3at) with aPoE powerbudget of 370 W.	Logically PoE budget for Multi Gig Switches should be 740 W		No change
90			Switchshouldsupportinternalfieldreplaceable redundant power supply from day 1.	It is request to remove RPS		No Change
91			Switch should support at least 16K flow entries	Switch should support NetFlow/jFlow/sFlow	Proposed Switch will forward all the flows to collector irrespective of number. This is an OEM;s specific term , we request to change this clause	Please read this as " Switch should support NetFlow/jFlow/sFlow"
92			Switch should have 6MB or more packet buffer.	Switch should have 4MB or more packet buffer.	The proposed switch is built on a non-blocking architecture and operates at wire-speed forwarding. As it is intended for deployment in a campus network—where traffic patterns are generally predictable and bursty traffic is minimal—higher buffer capacity is not a critical requirement. Therefore, we request a revision of this clause accordingly.	Please read this as "Switch should have 4MB or more packet buffer."
93			Switch must have functionality like static routing, RIP, PIM, OSPF, VRRP, PBR and QoS features from Day1	Switch must have functionality like static routing, RIP, PIM, OSPF(Full Scale), VRRP, PBR and QoS features from Day1	OSPF support is required from Day-1, we request that the full OSPF scale supported by the hardware be explicitly specified. Some OEMs implement OSPF with limitations that may restrict network operations at a later stage or require additional licensing fees for scale upgrades, potentially increasing total cost of ownership and impacting network scalability	No change
94			Switch should support IPv6 Binding Integrity Guard, IPv6 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbour Discovery Inspection and IPv6 Source Guard.	Switch should support IPv6 Binding Integrity Guard/IPv6 Access Security, IPv6 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbour Discovery Inspection and IPv6 Source Guard.	IPv6 Binding Integrity Gurad is an OEM's specific terminology , We support the equivalenet features , Request to change this clause for wider's OEM participation	Please read this as "Switch should support IPv6 Binding Integrity Guard/IPv6 Access Security, IPv6 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbour Discovery Inspection and IPv6 Source Guard."
95			Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment and MACSec-128 on hardware for all ports.	Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment and MACSec-256 on hardware.	MACsec feature is required to be enabled only on uplink ports of access switches, as downlink ports typically connect to endpoints that do not support MACsec. We request this clause be revised accordingly to allow broader participation from OEMs and ensure practical deployment flexibility	No Change
96	Layer 2 Access Switch – Type – II		Switchshouldsupportinternalfieldreplaceable redundant power supply from day 1.	It is request to remove RPS		No Change
97			Switchshouldsupport atleast 16K flow entries	Switch should support NetFlow/jFlow/sFlow	Proposed Switch will forward all the flows to collector irrespective of number. This is an OEM;s specific term , we request to change this clause	Please read this as " Switch should support NetFlow/jFlow/sFlow "
98			Switchshould support STP/PVRSTP/MSTP and should have 128 or more STP Instances.	Switchshould support STP/PVRSTP/MSTP and should have 64 or more STP Instances.	Request to change this clause for wider OEM's participation	Please read this as "Switchshould support STP/PVRSTP/MSTP and should have 64 or more STP Instances."
99			Switch should have 6MB or more packet buffer.	Switchshould have 4MB or more packet buffer.	The proposed switch is built on a non-blocking architecture and operates at wire-speed forwarding. As it is intended for deployment in a campus network—where traffic patterns are generally predictable and bursty traffic is minimal—higher buffer capacity is not a critical requirement. Therefore, we request a revision of this clause accordingly.	Please read this as "Switch should have 4MB or more packet buffer."
100			Switch must have functionality like static routing, RIP, PIM,OSPF, VRRP, PBR and QoS features from Day1	Switchmusthavefunctionalitylikestaticrouting, RIP, PIM,OSPF(Full Scale), VRRP, PBR and QoS features from Day1	OSPF support is required from Day-1, we request that the full OSPF scale supported by the hardware be explicitly specified. Some OEMs implement OSPF with limitations that may restrict network operations at a later stage or require additional licensing fees for scale upgrades, potentially increasing total cost of ownership and impacting network scalability	No change
101			Switch shouldsupport IPv6 Binding Integrity Guard, IPv6 Snooping, IPv6 RA Guard, IPv6 DHCPGuard, IPv6 Neighbor Discovery Inspection and IPv6 Source Guard.	Switch should support IPv6 Binding Integrity Guard/IPv6 Access Security, IPv6 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbour Discovery Inspection and IPv6 Source Guard.	IPv6 Binding Integrity Gurad is an OEM's specific terminology , We support the equivalenet features , Request to change this clause for wider's OEM participation	Please read this as "Switch should support IPv6 Binding Integrity Guard/IPv6 Access Security, IPv6 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbour Discovery Inspection and IPv6 Source Guard."

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 (Materials Management Section)

102		Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment and MACSec- 128 on hardware for all ports.	Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment and MACSec-128 on hardware.	MACsec feature is required to be enabled only on uplink ports of access switches, as downlink ports typically connect to endpoints that do not support MACsec. We request this clause be revised accordingly to allow broader participation from OEMs and ensure practical deployment flexibility	No Change
103	Eligibility Criteria for OEM and Bidder:	All above products must be from the same OEM	Request you to kindly change this clause and restrict to Wireless and Controller only and remove Switches from this.	Please open this clause for fair and wider Competition.	No Change
Queries raised by:- (8) M/s. Ruckus Commscope					
104	Wireless Controller	WLC/ WLAN Tunnel aggregator devices should have 4x /10Gbps and 2x 25Gbps and support maximum throughput Up to 50 Gbps, must be supplied with two supporting SFP+ modules	Need to Modify.	Since data traffic is not going to tunnel towards WLC there is no requirement of 25G ports and 50Gbps throughput.	No Change
105	Wireless Controller	WLC should have capability to host 3000 APs from day 1.	Need clarification.	WLC or Cluster of WLC should support APs upto 3000 AP. Since current requirement is of 500 AP can we propose a solution which will be expandable & should support 3000 AP in future?	This is required as Institute is expanding day by day. So please read this as "Solution should have capability to host 3000 APs from day 1 with single controller or cluster of controllers."
106	Wireless Access Point Type – I	Access Point shall support encrypted traffic visibility	Need to Modify.	provides encrypted traffic telemetry at the session and header level	Please read this as "Access Point shall support encrypted traffic visibility or equivalent feature"
107	Wireless Access Point Type – I	Access Point shall support Console port that uses Standard Port (RJ-45) type connection	Need to Modify.	Can be managed by Console/ GUI, SSH/CLI, Cloud Management	Please read this as "Access Point shall support Console port that uses Standard Port (RJ-45) type connection/USB console port."
108	Wireless Access Point Type – I	Access Point should have 1x 100/1000/2500Base-T uplink port along with 3x 10/100/1000 Base-T 1Gig port.	Need to Modify.	Since it's an in room AP, 1G port is enough to cater requirement	No Change
109	Wireless Access Point Type – I	Must have at least 3 dBi Antenna gain on each radio	Need to Modify.	1 dBi	No Change
110	Wireless Access Point Type – II & III	Access Point shall support Console port that uses Standard Port (RJ-45) type connection	Need to Remove.	Can be managed by Console/ GUI, SSH/CLI, Cloud Management	Please read this as "Access Point shall support Console port that uses Standard Port (RJ-45) type connection/USB console port."
111	Wireless Access Point Type – II & III	Controller Should have 4x 10/25G SFP+ Fiber port from day one.	Need to Modify.	Since data traffic is not going to tunnel towards WLC there is no requirement of 25G ports and 50Gbps throughput.	No Change
112	Layer 2 Access Switch – Type – I	Switch shall have 16 nos. 10/100/1000 Base-T ports and additional 8 nos. port supporting 100MB/1G/2.5G/5G/10G Additional 4 nos. SFP+ uplinks ports.	Need to Modify.	Can we propose a switch which supports 2.5G ports since AP will have a port which supports 2.5G only?	No Change
113	Layer 2 Access Switch – Type – I & II	Switch should support internal field replaceable redundant power supply from day 1.	Need to Modify.	Can we get a relaxation for this clause since it's an access layer switches and will add additional costing?	No Change
Queries raised by:- (9) M/s. Sochna Technologies Pvt. Ltd.					
114	WLC	WLC should have capability to host 3000 APs from day 1.	Need to Modify.	Kindly amend the clause as "WLC should have capability to host 2000 APs from day 1. Controller Justification: As per the current requirement 2000 APs scalability are sufficient.	This is required as Institute is expanding day by day. So please read this as "Solution should have capability to host 3000 APs from day 1 with single controller or cluster of controllers."
115	WLC	WLC/ WLAN Tunnel aggregator devices should have 4x /10Gbps and 2x 25Gbps and support maximum throughput Up to 50 Gbps, must be supplied with two supporting SFP+ modules	Need to Modify.	Kindly amend the clause as "WLC/ WLAN Tunnel aggregator devices should have 4x /10Gbps or 25Gbps and support maximum throughput Up to 40 Gbps, must be supplied with two supporting SFP+ modules. Justification: 6 uplink ports with different speed will not be required on WLC, request to make this clause generic.	No Change
116	Indoor AP 2x2	Access Point shall support Console port that uses Standard Port (RJ-45) type connection	Need to Modify.	Kindly amend the clause as " Access Point shall support Console port that uses Standard Port (RJ-45) type connection/USB console port. Justification: Request to make this clause generic as different OEM use different console mode.	Please read this as "Access Point shall support Console port that uses Standard Port (RJ-45) type connection/USB console port."
117	Indoor AP 2x2	Access Point Must continue serving clients when link to controller is down. It should also have option to authenticate user through Radius	Need to Modify.	Kindly amend the clause as " Access Point Must continue serving clients when link to primary controller is down, WLC should be deployed in High availability. It should also have option to authenticate user through Radius server directly from Access Point during link unavailability to primary controller, WLC should be deployed in High availability	No Change
118	Indoor AP 4x4	Access Point shall support Console port that uses Standard Port (RJ-45) type connection	Need to Modify.	Kindly amend the clause as " Access Point shall support Console port that uses Standard Port (RJ-45) type connection/USB console port. Justification: Request to make this clause generic as different OEM use different console mode.	Please read this as "Access Point shall support Console port that uses Standard Port (RJ-45) type connection/USB console port."
119	Indoor AP 4x4	Must Support data rate up to 5 gbps.	Need to Modify.	Kindly amend the clause as " Must Support data rate up to 3.5 gbps. Justification: request to make this clause generic for larger OEM participation.	No Change
120	Indoor AP 4x4	Must have -97 dB or better Receiver Sensitivity.	Need to Modify.	Kindly amend the clause as "Proposed AP support -96 dbm Receiver sensitivity. Request to make this clause generic for larger OEM participation.	Please read this as "Proposed AP support -96 dbm Receiver sensitivity"
121	Indoor AP 4x4	Access Point Must continue serving clients when link to controller is down. It should also have option to authenticate user through Radius server directly from Access Point during link unavailability to controller	Need to Modify.	Kindly amend the clause as " Access Point Must continue serving clients when link to primary controller is down, WLC should be deployed in High availability. It should also have option to authenticate user through Radius server directly from Access Point during link unavailability to primary controller, WLC should be deployed in High availability	No Change
122	Indoor AP 8x8	Access Point Must continue serving clients when link to controller is down. It should also have option to authenticate user through Radius server directly from Access Point during link unavailability to controller	Need to Modify.	Kindly amend the clause as " Access Point Must continue serving clients when link to primary controller is down, WLC should be deployed in High availability. It should also have option to authenticate user through Radius server directly from Access Point during link unavailability to primary controller, WLC should be deployed in High availability	No Change

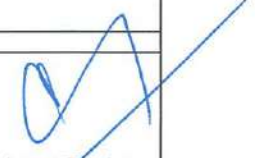
123	Access switch type-1		Switch should have dedicated slot for modular stacking, in addition to uplink ports. Should support minimum 40 Gbps of stacking throughput with 8 switch in single stack.	Need to Modify.	Kindly amend the clause as "Switch should have dedicated slot for modular stacking or Front plane stacking using Uplink ports, should support minimum 40 Gbps of stacking throughput with 8 switch in single stack.	Please read this " Switch should have dedicated slot or ports for modular stacking, in addition to uplink ports. Should support minimum 40 Gbps of stacking throughput with 8 switch in single stack."
124	Access switch type-1		Switch should support at least 16K flow entries	Need to Modify.	Kindly amend the clause as "Switch should support at least 16K flow entries/Sflow	Please read this as " Switch should support NetFlow/jFlow/sFlow "
125	Access switch type-1		Switch should support 64 or more STP/MSTP Instances.	Need to Modify.	Kindly amend the clause as " Switch should support 32 or more STP/MSTP Instances.	Please read this as "Switch should support 32 or more STP/MSTP Instances."
126	Access switch type-1		Switch should support IPv6 Binding Integrity Guard, IPv6 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbour Discovery Inspection and IPv6 Source Guard.	Need to Modify.	Kindly amend the clause as " switch should support IPv6 Binding Integrity Guard /IPv6 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbour Discovery Inspection and IPv6 Source Guard. IPv6 Binding Integrity Guard is OEM specific.	Please read this as "Switch should support IPv6 Binding Integrity Guard/IPv6 Access Security, IPv6 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbour Discovery Inspection and IPv6 Source Guard."
127	Access switch type-1		Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment and MACSec-128 on hardware for all ports.	Need to Modify.	Kindly amend the clause as "switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment and MACSec in uplink port	No Change
128	Access switch type-2		Switch should have dedicated slot for modular stacking, in addition to uplink ports. Should support minimum 40 Gbps of stacking throughput with 8 switch in single stack.	Need to Modify.	Kindly amend the clause as "Switch should have dedicated slot for modular stacking or Front plane stacking using Uplink ports,Should support minimum 40 Gbps of stacking throughput with 8 switch in single stack.	Please read this " Switch should have dedicated slot or ports for modular stacking, in addition to uplink ports. Should support minimum 40 Gbps of stacking throughput with 8 switch in single stack."
129	Access switch type-2		Switch should support at least 16K flow entries	Need to Modify.	Kindly amend the clause as "Switch should support at least 16K flow entries/Sflow	Please read this as " Switch should support NetFlow/jFlow/sFlow "
130	Access switch type-2		Switch should support 128 or more STP/MSTP Instances.	Need to Modify.	Kindly amend the clause as " Switch should support 32 or more STP/MSTP Instances.	Please read this as "Switchshould support STP/PVRSTP/MSTP and should have 64 or more STP Instances."
131	Access switch type-2		Switch must have functionality like static routing, RIP, PIM, OSPF(1000 routes), VRRP, PBR and QoS features from Day1	Need to Modify.	Kindly amend the clause as "switch must have functionality like static routing, RIP, PIM, OSPF, VRRP, PBR and QoS features from Day1	No Change
132	Access switch type-2		Switch should support IPv6 Binding Integrity Guard, IPv6 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbour Discovery Inspection and IPv6 Source Guard.	Need to Modify.	Kindly amend the clause as " switch should support IPv6 Binding Integrity Guard /IPv6 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbour Discovery Inspection and IPv6 Source Guard. IPv6 Binding Integrity Guard is OEM specific.	Please read this as "Switch should support IPv6 Binding Integrity Guard/IPv6 Access Security, IPv6 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbour Discovery Inspection and IPv6 Source Guard."
133	Access switch type-2		Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment and MACSec-128 on hardware for all ports.	Need to Modify.	Kindly amend the clause as "switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment and MACSec in uplink port.	No change
Queries rasied by:- (10) M/s. Juniper Networks						
134	Layer 2 Access Switch – Type– I	5	Switch should have minimum 2 GBRAM and 2 GBFlash.	Switch should have minimum 4 GBRAM and 4 GBFlash.	VXLAN, MACsec, and advanced Layer 2 and Layer 3 features have been specified, higher RAM and flash memory are essential to enable these capabilities and ensure efficient operation. Therefore, we request a revision of this clause to support better performance, future scalability, and long-term operational stability."	No change
135	Layer 2 Access Switch – Type– I	8	Switch shall have minimum 16K MAC Addresses and 250 active VLAN.	Switch shall have minimum 64K MAC Addresses and 250 active VLAN.	16K MAC address scale is insufficient for modern campus networks and VXLAN-based environments. We request an increase in the MAC address table scale to ensure efficient network operation, support future scalability, and align with evolving design architectures—thereby ensuring investment protection	No Change
136	Layer 2 Access Switch – Type– I	9	Should support minimum 11K IPv4 routes or more	Should support minimum 32K IPv4 routes or more	An 11K IPv4 route scale is insufficient for modern campus networks and VXLAN-based environments, which commonly require larger routing tables due to increased segmentation, multi-VRF deployments, and dynamic routing protocols. We request an increase in route scale to ensure efficient network operation, support future scalability, and align with evolving design architectures—thereby ensuring long-term investment protection.	No change
137	Layer 2 Access Switch – Type– I	10	Switch shall have 1K or more multicast routes.	Switch shall have 8K or more multicast routes.	A multicast routing scale of 1K entries is inadequate for modern campus networks and VXLAN-based designs, where multicast is extensively used for services such as IPTV, conferencing, mDNS, and service discovery across multiple segments and VRFs. We request an increase in multicast route scale to at least 8K to ensure efficient operation, support for future growth, and alignment with scalable network architectures—thereby protecting infrastructure investments	No change
138	Layer 2 Access Switch – Type– I	11	Switch should support at least 16K flow entries	Switch should support NetFlow/jFlow/sFlow	Proposed Switch will forward all the flows to collector irrespective of number. This is an OEM;s specific term , we request to change this clause	Please read this as " Switch should support NetFlow/jFlow/sFlow "
139	Layer 2 Access Switch – Type– I	12	Switch should support 64 or more STP/MSTP Instances.			Please read this as "Switch should support 32 or more STP/MSTP Instances."
140	Layer 2 Access Switch – Type– I	13	Switch should have 5MB or more packet buffer.	Switch should have 4MB or more packet buffer.	The proposed switch is built on a non-blocking architecture and operates at wire-speed forwarding. As it is intended for deployment in a campus network—where traffic patterns are generally predictable and bursty traffic is minimal—higher buffer capacity is not a critical requirement. Therefore, we request a revision of this clause accordingly.	Please read this as "Switch should have 4MB or more packet buffer."
141	Layer 2 Access Switch – Type– I	15	Switch must have functionality like static routing, RIP, PIM, OSPF, VRRP, PBR and QoS features from Day1	Switch must have functionality like static routing, RIP, PIM, OSPF(Full Scale), VRRP, PBR and QoS features from Day1	OSPF support is required from Day-1, we request that the full OSPF scale supported by the hardware be explicitly specified. Some OEMs implement OSPF with limitations that may restrict network operations at a later stage or require additional licensing fees for scale upgrades, potentially increasing total cost of ownership and impacting network scalability	No change
142	Layer 2 Access Switch – Type– I	19	Switch should support IPv6 Binding Integrity Guard, IPv6 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbour Discovery Inspection and IPv6 Source Guard.	Switch should support IPv6 Binding Integrity Guard/IPv6 Access Security, IPv6 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbour Discovery Inspection and IPv6 Source Guard.	IPv6 Binding Integrity Gurad is an OEM's specific terminology , We support the equivalent features , Request to change this clause for wider's OEM participation	Please read this "Switch should support IPv6 Binding Integrity Guard/IPv6 Access Security, IPv6 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbour Discovery Inspection and IPv6 Source Guard."

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Assistant Registrar
(Materials Management Section)

143	Layer 2 Access Switch – Type – I	20	Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment and MACSec-128 on hardware for all ports.	Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment and MACSec-256 on hardware.	MACsec feature is required to be enabled only on uplink ports of access switches, as downlink ports typically connect to endpoints that do not support MACsec. We request this clause be revised accordingly to allow broader participation from OEMs and ensure practical deployment flexibility	No Change
144	Layer 2 Access Switch – Type – II	5	Switch should have minimum 2 GB RAM and 2 GB Flash.	Switch should have minimum 4 GB RAM and 4 GB Flash.	VXLAN, MACsec, and advanced Layer 2 and Layer 3 features have been specified, higher RAM and flash memory are essential to enable these capabilities and ensure efficient operation. Therefore, we request a revision of this clause to support better performance, future scalability, and long-term operational stability."	No change
145	Layer 2 Access Switch – Type – II	9	Switch shall have minimum 16K MAC Addresses and 4000 VLAN IDs.	Switch shall have minimum 64K MAC Addresses and 4000 VLAN IDs.	16K MAC address scale is insufficient for modern campus networks and VXLAN-based environments. We request an increase in the MAC address table scale to ensure efficient network operation, support future scalability, and align with evolving design architectures—thereby ensuring investment protection	No change
146	Layer 2 Access Switch – Type – II	10	Shouldsupportminimum 11K IPv4 routes or more	Shouldsupportminimum 32K IPv4 routes or more	An 11K IPv4 route scale is insufficient for modern campus networks and VXLAN-based environments, which commonly require larger routing tables due to increased segmentation, multi-VRF deployments, and dynamic routing protocols. We request an increase in route scale to ensure efficient network operation, support future scalability, and align with evolving design architectures—thereby ensuring long-term investment protection.	No change
147	Layer 2 Access Switch – Type – II	11	Switch shall have 1K or more multicast routes.	Switch shall have 8K or more multicast routes.	A multicast routing scale of 1K entries is inadequate for modern campus networks and VXLAN-based designs, where multicast is extensively used for services such as IPTV, conferencing, mDNS, and service discovery across multiple segments and VRFs. We request an increase in multicast route scale to at least 8K to ensure efficient operation, support for future growth, and alignment with scalable network architectures—thereby protecting infrastructure investments	No change
148	Layer 2 Access Switch – Type – II	12	Switchshouldsupport atleast 16K flow entries	Switch should support NetFlow/jFlow/sFlow	Proposed Switch will forward all the flows to collector irrespective of number. This is an OEM's specific term , we request to change this clause	Please read this as " Switch should support NetFlow/jFlow/sFlow "
149	Layer 2 Access Switch – Type – II	13	Switchshould support STP/PVRSTP/MSTP and should have 128 or more STP Instances.	Switchshould support STP/PVRSTP/MSTP and should have 64 or more STP Instances.	Request to change this clause for wider OEM's participation	Please read this as "Switchshould support STP/PVRSTP/MSTP and should have 64 or more STP Instances."
150	Layer 2 Access Switch – Type – II	14	Switch should have 6MB or more packet buffer.	Switchshould have 4MB or more packet buffer.	The proposed switch is built on a non-blocking architecture and operates at wire-speed forwarding. As it is intended for deployment in a campus network—where traffic patterns are generally predictable and bursty traffic is minimal—higher buffer capacity is not a critical requirement. Therefore, we request a revision of this clause accordingly.	Please read this as "Switch should have 4MB or more packet buffer"
151	Layer 2 Access Switch – Type – II	18	Switch must have functionality like static routing, RIP, PIM, OSPF(1000 routes), VRRP, PBR and QoS features from Day1	Switchmusthavefunctionalitylikestaticrouting, RIP, PIM, OSPF(Full Scale), VRRP, PBR and QoS features from Day1	OSPF support is required from Day-1, we request that the full OSPF scale supported by the hardware be explicitly specified. Some OEMs implement OSPF with limitations that may restrict network operations at a later stage or require additional licensing fees for scale upgrades, potentially increasing total cost of ownership and impacting network scalability	No change
152	Layer 2 Access Switch – Type – II	24	Switch shouldsupport IPv6 Binding Integrity Guard, IPv6 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbor Discovery Inspection and IPv6 Source Guard.	Switch should support IPv6 Binding Integrity Guard/IPv6 Access Security, IPv6 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbour Discovery Inspection and IPv6 Source Guard.	IPv6 Binding Integrity Gurad is an OEM's specific terminology , We support the equivalent features , Request to change this clause for wider's OEM participation	Please read this "Switch should support IPv6 Binding Integrity Guard/IPv6 Access Security, IPv6 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbour Discovery Inspection and IPv6 Source Guard."
153	Layer 2 Access Switch – Type – II	25	Switchshouldsupport 802.1x authentication and accounting,IPv4 and IPv6 ACLs and Dynamic VLAN assignment and MACSec- 128 on hardware for all ports.	Switchshouldsupport 802.1x authentication and accounting,IPv4 and IPv6 ACLs and Dynamic VLAN assignment and MACSec-128 on hardware.	MACsec feature is required to be enabled only on uplink ports of access switches, as downlink ports typically connect to endpoints that do not support MACsec. We request this clause be revised accordingly to allow broader participation from OEMs and ensure practical deployment flexibility	No Change

Note:-

- a)The date of submission of online bids is extended up to 29/10/2025 @ 15:00 Hrs.
b)The date of opening of bids is extended up to 29/10/2025 @ 15:30 Hrs.
c)All prospective/willing bidders are requested to take note of this report as part of the tender document. All other parts of the tender including the terms and conditions will remain unchanged.


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