



भारतीय प्रौद्योगिकी संस्थान इंदौर
खडवा रोड, सिमरौल, इंदौर - 453 552, भारत
Indian Institute of Technology Indore
Khandwa Road, Simrol, Indore - 453 552, India

NIT No.: IIT(MM)/CITC/11A/94/GS/2025-26

PREBID REPORT

The online meeting for Pre-bid discussion and presentation was held via Google Meet on Dec 12, 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 CPPP, Tender ID 2025_JIT1_888311_1.

Date - 24/12/2025

30/12/25

Please find below the queries received and their responses

Sl. No.	Device Type	Ref. No.	Technical Specifications	Change Requested	Justification/Queries	Response from IITI
Queries raised by:- (1) M/s. Medolux Solutions Private Limited						
1				Review and re-examine the subject tender for compliance with DPIIT and GFR norms.		Please refer Prebid report.
2		Tender Documents		Remove or suitably amend the restrictive technical specifications and eligibility conditions.		Please refer Prebid report.
3				Redesign the tender in a brand-neutral and competition-friendly manner, allowing participation of multiple OEMs.		Please refer Prebid report.
4				Consider issuing necessary corrigendum / amendment or extending the bid submission timeline to ensure fair and transparent competition.		Please refer Prebid report.
Queries raised by:- (2) M/s. Ruckus Networks						
5		3	WLC should have capability to host 3000 APs from day 1.	Request to change to WLC should have capability to host 2000 APs from day 1 to participate.	The immediate deployment plan and growth forecast. Indicate that the number of Access Points required in the near term will not exceed 2000 APs. Modern WLC platforms support clustering technology, allowing multiple controllers to work together as a single logical unit whenever it's required without replacing existing hardware.	Please read this as "WLC/Solution/WLC Cluster should have capability to support 3000 APs from day 1."
6	Wireless Controller, Quantity- 02	5	WLC/WLAN Tunnel aggregator devices should have 4x 10Gbps and 2x 25Gbps support maximum throughput Up to 50 Gbps, must be supplied with two supporting SFP+ modules.	Request to change to WLC/WLAN Tunnel aggregator devices should have 4x 10Gbps support maximum throughput Up to 40 Gbps, must be supplied with two supporting SFP+ modules	25G to 10G is justified by wider compatibility, and sufficient capacity for current WLAN throughput requirements without compromising performance.	Please read this as "WLC/WLAN Tunnel aggregator devices should have 4x 10Gbps and support maximum throughput Up to 40 Gbps. must be supplied with two supporting SFP+ modules."
7		16	Should be able to set a maximum per-user bandwidth limit on a per-SSID basis.	Request to change to Should be able to set a bandwidth limit on a per-SSID basis.	Bandwidth limit on a per-SSID basis to simplify QoS management and ensure consistent performance for specific user groups.	No Change
8		30	The solution to support automatic packet capture in the event of a client failure or anomalous events.	Request to change to The solution to support the event of a client failure or anomalous events		No Change
9		35	The solution must support WPA3 - enterprise 192 bit encryption through WLC, if not available on APs.	Request to change to The solution must support WPA3 - enterprise 128 bit encryption through WLC, if not available on APs.		No Change
10	Wireless Access Point Type-I, Quantity-350	6	AccessPoint should have Blue tooth 5 radio to support use Cases of location, asset tracking and analytics.	Request to change to AccessPoint should have Blue tooth support use Cases of location, asset tracking and analytics.		Please read this as " AccessPoint should have Blue tooth 5 or latest radio to support use Cases of location, asset tracking and analytics."
11		10	Access Point should have 1x 100/1000/2500Base-Tuplinkport along with 3x 10/100/1000Base-T Gigport.	Request to change to Access Point should have 4x 10/100/1000Base-T Gigport		No Change
12	Wireless Access Point Type-II, Quantity-65	6	Access Point should have Bluetooth 5 radio to support use Cases of location, asset tracking and analytics.	Request to change to Access Point should have Bluetooth support use Cases of location, asset tracking and analytics		Please read this as " AccessPoint should have Blue tooth 5 or latest radio to support use Cases of location, asset tracking and analytics."
13		13	Must Support data rate up to 5Gbps.	Request to change to Must Support data rate up to 3.5Gbps.		Please read this as " Must Support data rate up to 3.5Gbps."
14		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.	Request to change to Access Point shall support 4x4 MIMO on both radio interfaces.		No Change
15	Wireless Access Point Type-III, Quantity-	2	Access Point shall be able to support Multigigabit Ethernet, Support upto 5Gbps PHY speed using single Cat6a or above (Cat6, Cat6a, Cat7) cable	Request to change to Access Point shall be able to support Multigigabit Ethernet, Support upto 2.5Gbps PHY speed using single Cat6a or above (Cat6, Cat6a, Cat7) cable		No Change

40	16	9	AccessPoint should have 1x100, 1000, 2500, 5000 Mulligabit Ethernet (RJ-45)	Request to change to Access Point should have 1x100, 1000, 2500 Mulligabit Ethernet (RJ-45)	No Change
	17	11	Must have atleast 4dBi Antenna gain on each radios	Request to change to Must have atleast dBi Antenna gain on each radios	No Change
	18	12	Must Support data rate upto 5gbps.	Request to change to Must Support data rate upto 3.5gbps.	No Change
	19	1	Switch shall have 16 nos. 10/100/1000 Base-T ports and additional 8 nos. ports supporting 100MB/1G/2.5G/5G/10G Additional 4nos. SFP+uplinks ports.	Request to change to Switch shall have 12 nos. port supporting 100MB/1G/2.5G/5G/10G and 12 nos. supporting 100MB/1G/2.5G Additional 4nos. SFP+uplinks ports.	No Change. Bidders are free to quote higher configuration.
	20	2	All 24 port should support PoE(802.3af)andPoE+(802.3at) with a PoE powerbudgetof370 W.	Request to change to All 24 port should support PoE(802.3af) and PoE+(802.3at) with a PoE power budget of 1800 W.	No Change. Bidders are free to quote higher configuration.
	21	7	Switch shall have minimum272Gbpsofswitchingfabric and 214Mbpsforforwardingrate.	Request to change to Switch shall have minimum900Gbpsofswitching fabric and 660Mbps of forwarding rate.	Please read this as "Switch shall have minimum 272 Gbps of switching fabric and 202 Mbps of forwarding rate." Bidders are free to quote higher configuration
	22	20	Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and MACSec-128 on hardware for all ports.	Request to change to Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment and MACSec-128 on hardware in modules installed in slot.	No Change.
	23	22	System should be capable to understand that system OS are authentic and unmodified. It should have cryptographically signed images to provide assurance that thefirmware C BIOSare authentic.	Request to modify the specs as The system shall support cryptographically signed firmware images and enforce image integrity verification during installation and boot, ensuring that only authentic and unmodified software runs on the device.	Bidders may quote equivalent functionality
	24	25	Switch should support802.1x authentication and accounting, IPv4 and IPv6ACLs and Dynamic VLAN assignment and MAC Sec- 128 on hardware for all ports.	Request to change to Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment and MACSec-128 on hardware in modules installed in slot.	No Change
	25		a)Similar deployment in India – OEM should have deployed Wireless solution in at least three Centrally funded educational institutions (CFITs)by 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.	Request to consider as OEM should have deployed Wireless solution in at least Two educational institutions IIT / IIM / NIT / central university or large private university campuses or govt public sector companies with minimum 200 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.	No Change
	26		b)OEM should have deployed networking solutions in at least 3 CFITs/IITs/Midia 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.	Request to consider as OEM should have deployed Wireless solution in at least Two educational institutions IIT / IIM / NIT / central university or large private university campuses or govt public sector companies with minimum 150 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.	No Change
Queries raised by:- (3) SOOCHNA TECHNOLOGIES (P) LTD					
	27	3	WLC should have capability to host 3000 APs from day 1.	WLC should have capability to host 2000 APs from day 1.	Please read this as "WLC/Solution/MLC Cluster should have capability to support 3000 APs from day 1."
	28	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	WLC/ WLAN Tunnel aggregator devices should have 4x/10Gbps and support maximum throughput Up to 40 Gbps. must be supplied with two supporting SFP+ modules	Please read this as "WLC/ WLAN Tunnel aggregator devices should have 4x/10Gbps and support maximum throughput Up to 40 Gbps. must be supplied with two supporting SFP+ modules."
	29	33	The Solution shall support Hiless/rolling and support AP upgrade feature.	The Solution shall support Hiless/rolling or support AP upgrade feature	Please read this as "The AP/Solution shall support Hiless/rolling and support AP upgrade feature.

30	3	Access Point shall support assurance, packet capture, RF sensing capabilities	Access point/solution shall support assurance, packet capture, RF sensing capabilities .	The features mentioned in this clause can be achieved not only through access points alone, but also through a combination of access points with the controller, NMS, and related components. Therefore, we request that the clause be revised as suggested.	Please read this as " Access Point/Solution shall support assurance, packet capture, RF sensing capabilities"
31	4	Access Point shall support application visibility and control..	Access point/solution shall support assurance, packet capture, RF sensing capabilities	The features mentioned in this clause can be achieved not only through access points alone, but also through a combination of access points with the controller, NMS, and related components. Therefore, we request that the clause be revised as suggested.	Please read this as " Access Point/Solution shall support application visibility and control.."
32	5	Access Point shall support encrypted traffic visibility	Access point/solution shall support assurance, packet capture, RF sensing capabilities	The features mentioned in this clause can be achieved not only through access points alone, but also through a combination of access points with the controller, NMS, and related components. Therefore, we request that the clause be revised as suggested.	Please read this as " Access Point/Solution shall support encrypted traffic visibility"
33	9	Access Point shall support Console port that uses Standard Port (RJ-45) type connection	Access Point shall support Console port that uses Standard Port (RJ-45) type or Micro-B USB connection	The console cable interface type varies from one OEM to another and may not necessarily be RJ-45. We therefore request that this specification be revised as proposed, ensuring it aligns with functional requirements without restricting OEM compatibility.	Please refer to tender documents.
34	18	Must have -97 dB or better Receiver Sensitivity	Must have -94 dB or better Receiver Sensitivity.	The receiver's sensitivity value should be reviewed and revised to a more generic specification. The currently mentioned value is restrictive and will limit participation from other OEMs.	Please read this as " Must have -94 dB or better Receiver Sensitivity."
35	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 delete this clause	The recommended wireless deployment mode is tunnel mode, which provides stronger security compared to bridge mode. Since wireless controllers are already deployed in a high-availability setup, this feature is not essential and may unnecessarily restrict the participation of major OEMs	Please read this as "Access Point/Solution must have functionality to continue serving clients when link to controller is down. The solution should also have option to authenticate user through Radius server directly from Access Point during link unavailability to controller."
36	1	Access Point shall support 4x4 MIMO on both radio interfaces	Access Point shall support 4x4 MIMO on 5 Ghz and 2x2 MIMO on 2.4 Ghz	In the current scenario, majority of the Wi-Fi devices like Laptops, mobiles/Tabs etc. will operate at 2.4GHz with 1x1 or maximum 2x2 MIMO. This will enable legacy Wi-Fi clients with 2x2 MIMO will dedicatedly connect to 2.4GHz and latest devices which are capable of 4x4 MIMO to get better performance out of Soodma Technologies Pvt. Ltd. CIN : U74120DL2014PTC266300 Office: 13/322, 3rd Floor, DDA Flats Madangir, Near Pusp Vihar Sector - IV, Saket, New Delhi - 110062 info@soodmatech.co.in, soodmatech@gmail.com of 5 GHz band. Hence recommending the Access point with both 4x4 and 2x2 MIMO capability on 5GHz and 2.4GHz respectively for segregated client connectivity, effective use of spectrum and optimized performance for all types of wireless clients.	No Change
37	3	Access Point shall support assurance, packet capture, RF sensing capabilities	Access point/solution shall support assurance, packet capture, RF sensing capabilities	The features mentioned in this clause can be achieved not only through access points alone, but also through a combination of access points with the controller, NMS, and related components. Therefore, we request that the clause be revised as suggested.	Please read this as " Access Point/Solution shall support assurance, packet capture, RF sensing capabilities."
38	4	Access Point shall support application visibility and control	Access point/solution shall support assurance, packet capture, RF sensing capabilities	The features mentioned in this clause can be achieved not only through access points alone, but also through a combination of access points with the controller, NMS, and related components. Therefore, we request that the clause be revised as suggested.	Please read this as " Access Point/Solution shall support application visibility and control.."
39	5	Access Point shall support encrypted traffic visibility	Access point/solution shall support assurance, packet capture, RF sensing capabilities	The features mentioned in this clause can be achieved not only through access points alone, but also through a combination of access points with the controller, NMS, and related components. Therefore, we request that the clause be revised as suggested.	Please read this as " Access Point/Solution shall support encrypted traffic visibility"
40	9	Access Point shall support Console port that uses Standard Port (RJ-45) type connection	Access Point shall support Console port that uses Standard Port (RJ-45) type or Micro-B USB connection	The console cable interface type varies from one OEM to another and may not necessarily be RJ-45. We therefore request that this specification be revised as proposed, ensuring it aligns with functional requirements without restricting OEM compatibility.	Please refer to tender documents.
41	13	Must Support data rate up to 5Gbps.	Must Support data rate up to 2.5 Gbps	With HE80 and HE20 channel bonding on the 5 GHz and 2.4 GHz bands respectively, the aggregated real-world throughput is approximately 2.5 Gbps. However, the access point Ethernet interface has been specified as 2.5 Gbps. We therefore request that real-world throughput be considered when defining this requirement to enable broader OEM participation	Please read this as " Must Support data rate up to 3.5Gbps."
42	14	Must support minimum of 23dbm of transmit power in both 2.4Ghz and 5Ghz radios. And should follow the local regulatory Norms.	Must support minimum of 21dbm of transmit power in 2.4Ghz and 23dbm 5Ghz radios. And should follow the local regulatory Norms.	The transmit power value should be reviewed and revised to a more generic specification. The currently mentioned value is restrictive and will limit participation from other OEMs	Please read this as " Must support minimum of 21dbm of transmit power in 2.4Ghz and 23dbm 5Ghz radios. And should follow the local regulatory Norms."
Wireless Access Point Type – I , Quantity- 350					
Wireless Access Point Type – II , Quantity- 65					

43	17	Must have -87 dB or better Receiver Sensitivity.	Must have -96 dB or better Receiver Sensitivity.	The receiver's sensitivity value should be reviewed and revised to a more generic specification. The currently mentioned value is restrictive and will limit participation from other OEMs	Please read this as "Must have -96 dB or better Receiver Sensitivity."
44	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 delete this clause	The recommended wireless deployment mode is tunnel mode, which provides stronger security compared to bridge mode. Since wireless controllers are already deployed in a high-availability setup, this feature is not essential and may unnecessarily restrict the participation of major OEMs	Please read this as "Access Point/Solution must have functionality to continue serving clients when link to controller is down. The solution should also have option to authenticate user through Radius server directly from Access Point during link unavailability to controller."
45	4	Access Point shall be able to powered up using 802.3 at power with full radio operation.	Access Point shall be able to powered up using 802.3 at/802.3bt power with full radio operation	High-density access points with 8x8 MIMO operation may require power in accordance with the 802.3bt standard as well. We therefore request that the clause be revised as suggested	Please read this as "Access Point shall be able to powered up using 802.3 at/802.3bt power with full radio operation"
46	6	Access Point shall have dedicated radio/chip set for spectrum monitoring capabilities, WIPS and/or channel RRM/without compromising and using the client serving radios.	Access Point shall have dedicated radio/chip set or client-serving radios in a hybrid mode for spectrum monitoring/capabilities, WIPS and off channel RRM	A dedicated radio for spectrum monitoring is specific to a single or a limited number of OEMs. Access points can perform spectrum monitoring in hybrid mode without impacting client-serving functionality. Therefore, we request that the clause be amended as suggested. Note: Point no 21 of the specification also mentions the same	Please read as "Access Point shall have dedicated radio/chipset dedicated AP set for spectrum monitoring capabilities, WIPS and/or channel RRM/without compromising and using the client serving radios."
47	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 delete this clause	The recommended wireless deployment mode is tunnel mode, which provides stronger security compared to bridge mode. Since wireless controllers are already deployed in a high-availability setup, this feature is not essential and may unnecessarily restrict the participation of major OEMs	Please read this as "Access Point/Solution must have functionality to continue serving clients when link to controller is down. The solution should also have option to authenticate user through Radius server directly from Access Point during link unavailability to controller."
48	1	Switch shall have 16 nos. 10/100/1000 Base-T ports and additional 8 nos. ports supporting 100Mb/1G/2.5G/5G/10G Additional 4 nos. SFP+uplinks ports.	Switch shall have 24 nos. 100Mb/1G/2.5G/5G	The RFP scope includes 455 access points requiring multi-rate ports supporting speeds up to 5 Gbps. With 10 switches providing only 8 multi-rate ports each, the total capacity would accommodate just 80 access points. Therefore, we request that all ports on the switches be specified as multi-rate- capable to meet the requirement effectively.	No Change. Bidders are free to quote higher configuration.
49	2	All 24 port should support PoE(802.3af)and PoE+(802.3at) with a PoE power budget of 370 W.	All 24 port should support PoE(802.3af) andPoE+(802.3at) with a PoE power budget of 1440 W.	Considering the large- scale Wi-Fi deployment planned for the IIT campus, a 370W PoE power budget is insufficient. At 30W per port, a minimum of 720W is required, and with an RPS in place, the requirement should be specified as 1,440W. We request that the power budget be revised accordingly.	No Change. Bidders are free to quote higher configuration.
50	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.	Switch should have dedicated slot or uplink port for modular stacking. Should support minimum 40 Gbps of stacking throughput with 8 switch in single stack.	A dedicated slot for stacking is a restrictive requirement. We request that stacking through uplink ports also be permitted in line with industry standards.	Please refer to tender documents.
51	7	Switch shall have minimum 272Gbps of switching fabric and 214Mpps of forwarding rate.	Switch shall have minimum 272Gbps of switching fabric and 202 Mpps of forwarding rate.	As per standard calculation 272/2(duplex)*1.488=202 Mpps.	Please read this as "Switch shall have minimum 272 Gbps of switching fabric and 202 Mpps of forwarding rate."
52	9	Should support minimum 11K IPv4 routes or more	Should support minimum 2K IPv4 routes or more	Since the requirement is for a Layer 2 switch, an extensive routing table will unnecessarily increase the CAPEX. We therefore request that this specification be reviewed and revised to a generic Layer 2-level routing table size.	No Change
53	10	Switch shall have 1K or more multicast routes.	Switch shall have 1K or more multicast routes or 700 IGMP groups	Since the requirement is for a Layer 2 switch, multicast routing features are not necessary. We therefore request that the clause be revised as suggested, limiting the requirement to Layer 2 IGMP-based multicast.	No Change
54	11	Switch should support at least 16K flow entries	Switch should support at least 16K flow entries or 4k sampling rate.	NetFlow operates using flow entries that are specific to certain OEM implementations, whereas sFlow is an open standard that functions based on sampling. We therefore request that the clause be revised to a more generic specification.	Please refer to tender documents.
55	12	Switch should support 84 or more STP/MSTP instances.	Switch should support 32 or more STP/MSTP instances.	Please modify the requirement to generic value which can suffice	Please refer to tender documents.
56	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 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbour Discovery Inspection and IPv6 Source Guard or equivalent security	Please accept equivalent security features, since mentioned are partially specific to single OEM	Please refer to tender documents.

Wireless Access Point Type-III, Quantity-40

5.Layer2Access Switch-Type-I/Quantity-10

57		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-128 on hardware for all ports or VXLAN tunneling	MACSec will restrict the major OEM participation. Please modify the clause as suggested.	No Change
58		6	Switch should have dedicated slot or Ports for modular stacking, in addition to uplink ports. Should support for minimum 80 Gbps of stacking throughput with 8 switch in singlestack.	Switch should have dedicated slot or uplink port for modular stacking. Should support minimum 40 Gbps of stacking throughput with 8 switch in single stack.	A dedicated slot for stacking is a restrictive requirement. We request that stacking through uplink ports also be permitted, in line with industry standards.	Please read this as "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."
59		10	Should support minimum 11K IPv4 routes or more	Should support minimum 2K IPv4 routes or more	Since the requirement is for a Layer 2 switch, an extensive routing table will unnecessarily increase the CAPEX. We	No Change
60			Switch shall have 1K or more multicast routes.	Switch shall have 1K or more multicast routes or 700 IGMP groups	therefore request that this specification be reviewed and revised to a generic Layer 2-level routing table size.	No Change
61	Layer2AccessSwitch-Type-II, Quantity- 10	12	Switch should support atleast 16K flow entries	Switch should support at least 16K flow entries or 4k sampling rate.	Since the requirement is for a Layer 2 switch, multicast routing features are not necessary. We therefore request that the clause be revised as suggested, limiting the requirement to Layer 2 IGMP-based multicast.	No Change
62		13	Switch should support STP/IPvRSTP/MSTP and should have 128 or more STP instances.	Switch should support STP/IPvRSTP/MSTP and should have 32 or more STP instances.	NetFlow operates using flow entries that are specific to certain OEM implementations, whereas sFlow is an open standard that functions based on sampling. We therefore request that the clause be revised to a more generic specification.	Please refer to tender documents.
63		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 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbor Discovery Inspection and IPv6 Source Guard or equivalent security features	Please modify the requirement to generic value which can suffice the requirement	Please refer to tender documents.
64		25	Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment and MAC Sec-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 for all ports or VXLAN tunneling	Please accept equivalent security features, since mentioned are partially specific to single OEM	No Change
65		Page no 31, Clause no: M	The Bidder should have 3 Wireless technology certified Engineer	We request you to make necessary amendment for this clause.	MACSec will restrict the major OEM participation. Please modify the clause as suggested.	No Change
66		Page no 30, Clause no: B & C	The OEM Should have Wireless Solution develop Solution in three Central funded institution with Min of 300 Access Point should running in One Year The OEM Should have Network Solution develop Solution in three Central funded institution with Min of 200 should running in One Year	Request to amend this clause The OEM Should have Wireless Solution develop Solution with minimum of 150 Access Point during last 3 years. The OEM Should have Network Solution develop Solution with minimum of 200 running in last 3 years. Installation base in IT / IIM / NIT / central university / State University / large private university campuses / govt public sector companies		No Change
Queries raised by:- (4) Ezdat Technology Pvt. Ltd.						
67			The OEM should have a Wireless Solution developed in three Central-funded institutions with a minimum of 300 Access Points running in One Year	The OEM should have a Wireless Solution developed in two centrally funded institutions with a minimum of 150 Access points running in three years.		No change
68		Page no 30, Clause no: B & C	The OEM should have Network Solution develop a Solution in three centrally funded institutions with a minimum of 200 running in One Year	The OEM should have Network Solution develop a Solution in two centrally funded institutions, with a minimum of 200 running in three years. As in the Bid, there we - only 20 Nos of switches so the Experience was extensive and very high. So request to reduce by max by what the quantity was asked in the tender. So please request a minimum of 60-100 Nos.		No change

69				Install base in IIT / IIM / NIT / central university / State university / large private university campuses /govt public sector companies		
70		3	WLC should have the capability to host 3000 APs from day 1.	Request to change to WLC should have the capability to host 2000 APs from day 1 to participate.	The immediate deployment plan and growth forecast indicate that the number of Access Points required in the near term will not exceed 2000 APs. Modern WLC platforms support clustering technology allowing multiple controllers to work together as a single logical unit whenever it's required without replacing existing hardware	Please read this as "WLC/Solution/WLC Cluster should have capability to support 3000 APs from day 1."
71	Wireless Controller, Quantity- 02	5	WLC/ WLAN Tunnel aggregator devices should have 4x 10Gbps and 2x 25Gbps and support a maximum throughput Up to 50 Gbps, must be supplied with two supporting SFP+ modules	Request to change to WLC/ WLAN Tunnel aggregator devices should have 4x 10Gbps support maximum throughput Up to 40 Gbps, must be supplied with two supporting SFP+ modules	25G to 10G is justified by wider compatibility, and sufficient capacity for current WLAN throughput requirements without compromising performance.	Please read this as "WLC/ WLAN Tunnel aggregator devices should have 4x 10Gbps and support maximum throughput Up to 40 Gbps, must be supplied with two supporting SFP+ modules."
72		16	Should be able to set a maximum per-user bandwidth limit on a per-SSID basis.	Request to change to Should be able to set a bandwidth limit on a per-SSID basis.	Bandwidth limit on a per-SSID basis to simplify QoS management and ensure consistent performance for specific user groups.	No Change
73		30	The solution supports automatic packet capture in the event of a client failure or anomalous events.	Request to change to the solution to support the event of a client failure or anomalous events.		No Change
74		35	The solution must support WPA3 - enterprise 192-bit encryption through WLC, if not available on APs.	Request to change to the solution must support WPA3 - enterprise 128-bit encryption through WLC, if not available on APs.		No Change
75	Wireless Access Point Type – I, Quantity- 350	6	Access Point should have Bluetooth 5 radio to support use Cases of location, asset tracking and analytics.	Request to change to Access Point should have Bluetooth support, use Cases of location, asset tracking and analytics.		Please read this as " AccessPoint should have Blue tooth 5 or latest radio to support use Cases of location,assettracking and analytics."
76		10	Access Point should have 1x 100/1000/2500Base-T uplink port along with 3x 10/100/1000 Base-T 1Gig ports.	Request to change to Access Point should have 4x 10/100/1000 Base-T 1 Gbps port		No Change
77	Wireless Access Point Type – II , Quantity- 65	6	Access Point should have a Bluetooth 5 radio to support use Cases of location, asset tracking and analytics.	Request to change to Access Point should have Bluetooth support, use Cases of location, asset tracking and analytics		Please read this as " AccessPoint should have Blue tooth 5 or latest radio to support use Cases of location,assettracking and analytics."
78		13	Must support data rate up to 5gbps.	Request to change to Must Support data rate up to 3.5gbps.		Please read this as " Must Support data rate up to 3.5gbps."
79		1	Access Point shall support tri-radio operation with 4x4 MIMO on all three radio interfaces and MU-MIMO technology with the option to combine the 2 radios to operate on 8x8 operation.	Request to change to Access Point shall support 4x4 MIMO on both radio interfaces.		No Change
80		2	Access Point shall be able to support Multigigabit Ethernet, Support up to 5 Gbps PHY speed using single Cat5e or above(Cat6, Cat6a, Cat7) cable	Request to change to Access Point shall be able to support Multigigabit Ethernet, support up to 2.5 Gbps PHY speed using single Cat5e or above(Cat6, Cat7) cable		No Change
81	Wireless Access Point Type – III , Quantity- 40	3	Access Point should have Bluetooth 5 radio to support use cases of location, asset tracking and analytics.	Request to change to Access Point should have Bluetooth support, use cases of location, asset tracking and analytics.		Please read this as " AccessPoint should have Blue tooth 5 or latest radio to support use Cases of location,assettracking and analytics."
82		5	Access Point shall support Dual 5GHz radios	Request to remove the clause		No Change
83		9	Access Point should have 1x 100, 1000, 2500, 5000 Multigigabit Ethernet (RJ-45)	Request to change to Access Point should have 1x 100, 1000, 2500 Multigigabit Ethernet (RJ-45)		No Change
84		11	Must have at least 4dBi Antenna gain on each radio	Request to change to Must have at least 3dBi Antenna gain on each radio		No Change
85		12	Must support data rate up to 5gbps.	Request to change to Must Support data rate up to 3.5gbps.		No Change
86		1	Switch shall have 16 nos. 10/100/1000 Base-T ports and an additional 8 ports supporting 100MB/1G/2.5G/5G/10G Additional 4 nos. SFP+ uplinks ports.	Request to change to Switch shall have 12 nos. ports supporting 100MB/1G/2.5G/5G/10G, and 12 nos. supporting 100MB/1G/2.5G Additional 4 nos. SFP+ uplinks ports.		No Change. Bidders may quote higher configuration
87		2	All 24 port should support PoE(802.3af) and PoE+(802.3at) with a PoE power budget of 370 W.	Request to change to all 24 ports should support PoE(802.3af) and PoE+(802.3at) with a PoE power budget of 1800 W.		No Change. Bidders may quote higher configuration

88	Layer 2 Access Switch – Type I, Quantity- 10	7	Switch shall have minimum 272Gbps of switching fabric and 202 Mpps of forwarding rate.	Request to change to Switch shall have minimum 900Gbps of switching fabric and 660Mpps of forwarding rate.		Please read this as "Switch shall have minimum 272 Gbps of switching fabric and 202 Mpps of forwarding rate." Bidders may quote higher configuration
89		20	Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment and MACSec-128 on hardware in modules installed in slot.	Request to change to Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment and MACSec-128 on hardware in modules installed in slot.		No Change
90		22	The system should be capable of understanding that system OS are authentic and unmodified, it should have cryptographically signed images to ensure that the firmware BIOS are authentic.	Request to modify the specs as the system shall support cryptographically signed firmware images and enforce image integrity verification during installation and boot, ensuring that only authentic and unmodified software runs on the device.		Bidders may quote equivalent functionality
Queries raised by:- (5) M/s. Vipul wips technology						
91	Wireless Controller, Quantity- 02	3	WLC should have capability to host 3000 APs from day 1.	WLC should have capability to host 2000 APs from day 1.	As per the RFP scope, the current requirement is for only 450 access points. Even with a 400% future scalability consideration, the total will not reach 2,000 access points. Therefore, we kindly request a review of this requirement and recommend revising it to 2,000 access points per controller to enable broader OEM participation.	Please read this as "WLC/Solution/WLC Cluster should have capability to support 3000 APs from day 1."
92		5	WLC/WLAN Tunnel aggregator devices should have 4x /10Gbps and 2x 25Gbps and support maximum throughput Up to 40 Gbps, must be supplied with two supporting SFP+ modules	WLC/WLAN Tunnel aggregator devices should have 4x /10Gbps or 2x 25Gbps and support maximum throughput Up to 40 Gbps, must be supplied with two supporting SFP+ modules	The ports and bandwidth requirements mentioned in the RFP appear to be specific to a single OEM. We request that these specifications be revised as proposed, so they adequately meet the functional requirements while enabling broader participation from multiple OEMs	Please read this as "WLC/ WLAN Tunnel aggregator devices should have 4x /10Gbps and support maximum throughput Up to 40 Gbps, must be supplied with two supporting SFP+ modules."
93		33	The Solution shall support Hitless/rolling and support AP upgrade feature.	The Solution shall support Hitless/rolling or support AP upgrade feature	We request that these specifications be revised as proposed, so they adequately meet the functional requirements while enabling broader participation from multiple OEMs.	Please read this as "The AP/Solution shall support Hitless/rolling and support AP upgrade feature."
94		3	Access Point shall support assurance, packet capture, RF sensing capabilities	Access point/solution shall support assurance, packet capture, RF sensing capabilities	The features mentioned in this clause can be achieved not only through access points alone, but also through a combination of access points with the controller, NMS, and related components. Therefore, we request that the clause be revised as suggested.	Please read this as " Access Point/Solution shall support assurance, packet capture, RF sensing capabilities"
95		4	Access Point shall support application visibility and control	Access point/solution shall support assurance, packet capture, RF sensing capabilities	The features mentioned in this clause can be achieved not only through access points alone, but also through a combination of access points with the controller, NMS, and related components. Therefore, we request that the clause be revised as suggested.	Please read this as " Access Point/Solution shall support application visibility and control."
96		5	Access Point shall support encrypted traffic visibility	Access point/solution shall support assurance, packet capture, RF sensing capabilities	The features mentioned in this clause can be achieved not only through access points alone, but also through a combination of access points with the controller, NMS, and related components. Therefore, we request that the clause be revised as suggested.	Please read this as " Access Point/Solution shall support encrypted traffic visibility"
97	Wireless Access Point Type – I, Quantity- 350	9	Access Point shall support Console port that uses Standard Port (RJ-45) type connection	Access Point shall support Console port that uses Standard Port (RJ-45) type or Micro-B USB connection	The console cable interface type varies from one OEM to another and may not necessarily be RJ-45. We therefore request that this specification be revised as proposed, ensuring it aligns with functional requirements without restricting OEM compatibility.	Please refer to tender documents.
98		18	Must have -97 dB or better Receiver Sensitivity.	Must have -94 dB or better Receiver Sensitivity.	The receiver's sensitivity value should be reviewed and revised to a more generic specification. The currently mentioned value is restrictive and will limit participation from other OEMs.	Please read this as " Must have -94 dB or better Receiver Sensitivity."
99		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 delete this clause	The recommended wireless deployment mode is tunnel mode, which provides stronger security compared to bridge mode. Since wireless controllers are already deployed in a high-availability setup, this feature is not essential and may unnecessarily restrict the participation of major OEMs	Please read this as "Access Point/Solution must have functionality to continue serving clients when link to controller is down. The solution should also have option to authenticate user through Radius server directly from Access Point during link unavailability to controller."
100		1	Access Point shall support 4x4 MIMO on both radio interfaces	Access Point shall support 4x4 MIMO on 5 GHz and 2x2 MIMO on 2.4 GHz	In the current scenario, majority of the Wi-Fi devices like Laptops, mobiles/Tabs etc. will operate at 2.4GHz with 1x1 or maximum 2x2 MIMO. This will enable legacy Wi-Fi clients with 2x2 MIMO will dedicatedly connect to 2.4GHz and latest devices which are capable of 4x4 MIMO to get better performance out of 5 GHz band.	No change

101						Hence recommending the Access Point with both 4x4 and 2x2 MIMO capability on 5GHz and 2.4GHz respectively for secured client connectivity, effective use of spectrum and optimized performance for all types of wireless clients.	
102	3	Access Point shall support assurance, packet capture, RF sensing capabilities	Access Point/Solution shall support assurance, packet capture, RF sensing capabilities			The features mentioned in this clause can be achieved not only through access points alone, but also through a combination of access points with the controller, NMS, and related components. Therefore, we request that the clause be revised as suggested.	Please read this as "Access Point/Solution shall support assurance, packet capture, RF sensing capabilities."
103	4	Access Point shall support application visibility and control	Access Point/Solution shall support assurance, packet capture, RF sensing capabilities			The features mentioned in this clause can be achieved not only through access points alone, but also through a combination of access points with the controller, NMS, and related components. Therefore, we request that the clause be revised as suggested.	Please read this as "Access Point/Solution shall support application visibility and control."
104	5	Access Point shall support encrypted traffic visibility	Access Point/Solution shall support assurance, packet capture, RF sensing capabilities			The features mentioned in this clause can be achieved not only through access points alone, but also through a combination of access points with the controller, NMS, and related components. Therefore, we request that the clause be revised as suggested.	Please read this as "Access Point/Solution shall support encrypted traffic visibility"
105	9	Access Point shall support Console port that uses Standard Port (RJ-45) type connection	Access Point shall support Console port that uses Standard Port (RJ-45) type or Micro-B USB connection			The console cable interface type varies from one OEM to another and may not necessarily aligns with functional requirements without restricting OEM compatibility.	Please refer to tender documents.
106	13	Must Support data rate up to 5Gbps.	Must Support data rate up to 2.5 Gbps			With HE80 and HE20 channel bonding on the 5 GHz and 2.4 GHz bands respectively, the aggregated real-world throughput is approximately 2.5 Gbps. However, the access point Ethernet interface has been specified as 2.5 Gbps. We therefore request that real-world throughput be considered when defining this requirement to enable broader OEM participation	Please read this as "Must Support data rate up to 3.5Gbps."
107	14	Must support minimum of 23dbm of transmit power in both 2.4Ghz and 5Ghz radios. And should follow the local regulatory Norms.	Must support minimum of 21dbm of transmit power in 2.4Ghz and 23dbm 5Ghz radios. And should follow the local regulatory Norms.			The transmit power value should be reviewed and revised to a more generic specification. The currently mentioned value is restrictive and will limit participation from other OEMs	Please read this as "Must support minimum of 21dbm of transmit power in 2.4Ghz and 23dbm 5Ghz radios. And should follow the local regulatory Norms."
108	17	Must have -87 dB or better Receiver Sensitivity.	Must have -96 dB or better Receiver Sensitivity.			The receiver's sensitivity value should be reviewed and revised to a more generic specification. The currently mentioned value is restrictive and will limit participation from other OEMs.	Please read this as "Must have -96 dB or better Receiver Sensitivity."
109	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 delete this clause			The recommended wireless deployment mode is tunnel mode, which provides stronger security compared to bridge mode. Since wireless controllers are already deployed in a high-availability setup, this feature is not essential and may unnecessarily restrict the participation of major OEMs	Please read this as "Access Point/Solution must have functionality to continue serving clients when link to controller is down. The solution should also have option to authenticate user through Radius server directly from Access Point during link unavailability to controller."
110	4	Access Point shall be able to powered up using 802.3 at power with full radio operation.	Access Point shall be able to powered up using 802.3 at power with full radio operation			High-density access points with 8x8 MIMO operation may require power in accordance with the 802.3bt standard as well. We therefore request that the clause be revised as suggested	Please read this as "Access Point shall be able to powered up using 802.3 at power with full radio operation"
111	6	Access Point shall have dedicated radio/chip set for spectrum monitoring capabilities, WIPS and off channel RRM without compromising and using the client serving radios.	Access Point shall have dedicated radio/chip set or client-serving radios in a hybrid mode for spectrum monitoring capabilities, WIPS and off channel RRM			A dedicated radio for spectrum monitoring is specific to a single or a limited number of OEMs. Access points can perform spectrum monitoring in hybrid mode without impacting client-serving functionality. Therefore, we request that the clause be amended as suggested.	Please read as "Access Point shall have dedicated radio/chip/chipset dedicated AP set for spectrum monitoring capabilities, WIPS and off channel RRM without compromising and using the client serving radios."
	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 delete this clause			Note: Point no 21 of the specification also mentions the same.	Please read this as "Access Point/Solution must have functionality to continue serving clients when link to controller is down. The solution should also have option to authenticate user through Radius server directly from Access Point during link unavailability to controller."

112	1	Switch shall have 16 nos. 10/100/1000 Base-T ports and additional 8 nos. port supporting 100Mb/1Gb/2.5Gb/5Gb/10Gb Additional 4 nos. SFP+ uplinks ports.	Switch shall have 24 nos. 100Mb/1Gb/2.5Gb/5Gb/10Gb Additional 4 nos. SFP+ uplinks ports.	The RFP scope includes 455 access points requiring multi-rate ports supporting speeds up to 5 Gbps. With 10 switches providing only 8 multi-rate ports each, the total capacity would accommodate just 80 access points. Therefore, we request that all ports on the switches be specified as multi-rate-capable to meet the requirement effectively.	No Change. Bidders are free to quote higher configuration.
113	2	All 24 port should support PoE(802.3af) and PoE+(802.3at) with a PoE power budget of 370 W.	All 24 port should support PoE(802.3af) and PoE+(802.3at) with a PoE power budget of 1440 W.	Considering the large-scale Wi-Fi deployment planned for the IT campus, a 370W PoE power budget is insufficient. At 30W per port, a minimum of 720W is required, and with an RPS in place, the requirement should be specified as 1,440W. We request that the power budget be revised accordingly.	No Change. Bidders are free to quote higher configuration.
114	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.	Switch should have dedicated slot or uplink port for modular stacking. Should support minimum 40 Gbps of stacking throughput with 8 switch in single stack.	A dedicated slot for stacking is a restrictive requirement. We request that stacking through uplink ports also be permitted, in line with industry standards.	Please refer to tender documents.
115	7	Switch shall have minimum 272Gbps of switching fabric and 214 Mpps of forwarding rate.	Switch shall have minimum 272Gbps of switching fabric and 202 Mpps of forwarding rate.	As per standard calculation 272Z(duplex)*1.488=202 Mpps.	Please read this as "Switch shall have minimum 272 Gbps of switching fabric and 202 Mpps of forwarding rate."
116	9	Should support minimum 11K IPv4 routes or more	Should support minimum 2K IPv4 routes or more	Since the requirement is for a Layer 2 switch, an extensive routing table will unnecessarily increase the CAPEX. We therefore request that this specification be reviewed and revised to a generic Layer 2-level routing table size.	No change
117	10	Switch shall have 1K or more multicast routes.	Switch shall have 1K or more multicast routes or 700 IGMP groups	Since the requirement is for a Layer 2 switch, multicast routing features are not necessary. We therefore request that the clause be revised as suggested, limiting the requirement to Layer 2 IGMP-based multicast.	No change
118	11	Switch should support at least 16K flow entries	Switch should support at least 16K flow entries or 4k sampling rate.	NetFlow operates using flow entries that are specific to certain OEM implementations, whereas sFlow is an open standard that functions based on sampling. We therefore request that the clause be revised to a more generic specification.	Please refer to tender documents.
119	12	Switch should support 64 or more STP/MSTP instances.	Switch should support 32 or more STP/MSTP instances.	Please modify the requirement to generic value which can suffice the requirement	Please refer to tender documents.
120	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 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbour Discovery Inspection and IPv6 Source Guard or equivalent security features	Please accept equivalent security features, since mentioned are partially specific to single OEM	Please refer to tender documents.
121	20	Switch should support 802.1x authentication and accounting, IP v4 and IPv6 ACLs and Dynamic VLAN assignment and MACSec-128 on hardware for all ports.	Switch should support 802.1x authentication and accounting, IP v4 and IPv6 ACLs and Dynamic VLAN assignment and MACSec-128 on hardware for all ports or VLAN tunneling	MACSec will restrict the major OEM participation. Please modify the clause as suggested.	No change
122	6	Switch should have dedicated slot or Ports for modular stacking, in addition to uplink ports. Should support for minimum 80 Gbps of stacking throughput with 8 switch in single stack.	Switch should have dedicated slot or uplink port for modular stacking. Should support minimum 40 Gbps of stacking throughput with 8 switch in single stack.	A dedicated slot for stacking is a restrictive requirement. We request that stacking through uplink ports also be permitted, in line with industry standards.	Please read this as "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."
123	10	Should support minimum 11K IPv4 routes or more	Should support minimum 2K IPv4 routes or more	Since the requirement is for a Layer 2 switch, an extensive routing table will unnecessarily increase the CAPEX. We therefore request that this specification be reviewed and revised to a generic Layer 2-level routing table size.	No change
124	11	Switch shall have 1K or more multicast routes.	Switch shall have 1K or more multicast routes or 700 IGMP groups	Since the requirement is for a Layer 2 switch, multicast routing features are not necessary. We therefore request that the clause be revised as suggested, limiting the requirement to Layer 2 IGMP-based multicast.	No change
125	12	Switch should support atleast 16K flow entries	Switch should support at least 16K flow entries or 4k sampling rate.	NetFlow operates using flow entries that are specific to certain OEM implementations, whereas sFlow is an open standard that functions based on sampling. We therefore request that the clause be revised to a more generic specification.	Please refer to tender documents.
126	13	Switch should support STP/PVSTP/MSTP and should have 128 or more STP instances.	Switch should support STP/PVSTP/MSTP and should have 32 or more STP instances.	Please modify the requirement to generic value which can suffice the requirement	Please refer to tender documents.

Layer 2 Access Switch – Type – I, Quantity- 10

Layer 2 Access Switch – Type – II, Quantity- 10

127	Switch should support IPv6 Binding Integrity Guard, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbor Discovery Inspection and IPv6 Source Guard or equivalent security features.	Switch should support IPv6 Binding Integrity Guard, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbor Discovery Inspection and IPv6 Source Guard or equivalent security features.	Which should support IPv6 Binding Integrity Guard, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbor Discovery Inspection and IPv6 Source Guard or equivalent security features	Please accept equivalent security features, since mentioned are partially specific to single OEM	Please refer to tender documents.
128	Switch should support 802.1x authentication and accounting, IPV4 and IPv6 ACLs and Dynamic VLAN assignment and MAC Sec- 128 on hardware for all ports.	Switch should support 802.1x authentication and accounting, IPV4 and IPv6 ACLs and Dynamic VLAN assignment and MAC Sec- 128 on hardware for all ports or VXLAN tunneling	Switch should support 802.1x authentication and accounting, IPV4 and IPv6 ACLs and Dynamic VLAN assignment and MAC Sec- 128 on hardware for all ports or VXLAN tunneling	MACSec will restrict the major OEM participation. Please modify the clause as suggested.	No change
Queries raised by:- (6) M/s. Aruba, Hewlett Packard Enterprise Company					
129	WLC should have capability to host 3000 APs from day 1.	WLC should have capability to host 2000 APs from day 1.	WLC should have capability to host 2000 APs from day 1.	As per the RFP scope, the current requirement is for only 450 access points. Even with a 400% future scalability consideration, the total will not reach 2,000 access points. Therefore, we kindly request a review of this requirement and recommend revising it to 2,000 access points per controller to enable broader OEM participation.	Please read this as "WLC/Solution/WLC Cluster should have capability to support 3000 APs from day 1."
130	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	WLC/WLAN Tunnel aggregator devices should have 4x 10Gbps or 2x 25Gbps and support maximum throughput Up to 40 Gbps, must be supplied with two supporting SFP+ modules	WLC/WLAN Tunnel aggregator devices should have 4x 10Gbps or 2x 25Gbps and support maximum throughput Up to 40 Gbps, must be supplied with two supporting SFP+ modules	The ports and bandwidth requirements mentioned in the RFP appear to be specific to a single OEM. We request that these specifications be revised as proposed, so they adequately meet the functional requirements while enabling broader participation from multiple OEMs.	Please read this as "WLC/WLAN Tunnel aggregator devices should have 4x 10Gbps and support maximum throughput Up to 40 Gbps, must be supplied with two supporting SFP+ modules."
131	The Solution shall support Hitless/rolling and support AP upgrade feature.	The Solution shall support Hitless/rolling and support AP upgrade feature.	The Solution shall support Hitless/rolling or support AP upgrade feature	We request that these specifications be revised as proposed, so they adequately meet the functional requirements while enabling broader participation from multiple OEMs.	Please read this as "The AP/Solution shall support Hitless/rolling and support AP upgrade feature."
132	Access Point shall support assurance, packet capture, RF sensing capabilities	Access Point shall support assurance, packet capture, RF sensing capabilities	Access point/solution shall support assurance, packet capture, RF sensing capabilities	The features mentioned in this clause can be achieved not only through access points alone, but also through a combination of access points with the controller, NMS, and related components. Therefore, we request that the clause be revised as suggested.	Please read this as "Access Point/Solution shall support assurance, packet capture, RF sensing capabilities"
133	Access Point shall support application visibility and control	Access Point shall support application visibility and control	Access point/solution shall support assurance, packet capture, RF sensing capabilities	The features mentioned in this clause can be achieved not only through access points alone, but also through a combination of access points with the controller, NMS, and related components. Therefore, we request that the clause be revised as suggested.	Please read this as "Access Point/Solution shall support application visibility and control."
134	Access Point shall support encrypted traffic visibility	Access Point shall support encrypted traffic visibility	Access point/solution shall support assurance, packet capture, RF sensing capabilities	The features mentioned in this clause can be achieved not only through access points alone, but also through a combination of access points with the controller, NMS, and related components. Therefore, we request that the clause be revised as suggested.	Please read this as "Access Point/Solution shall support encrypted traffic visibility"
135	Access Point shall support Console port that uses Standard Port (RJ-45) type connection	Access Point shall support Console port that uses Standard Port (RJ-45) type connection	Access Point shall support Console port that uses Standard Port (RJ-45) type or Micro-B USB connection	The console cable interface type varies from one OEM to another and may not necessarily be RJ-45. We therefore request that this specification be revised as proposed, ensuring it aligns with functional requirements without restricting OEM compatibility.	Please refer to tender documents.
136	Must have -97 dB or better Receiver Sensitivity.	Must have -97 dB or better Receiver Sensitivity.	Must have -94 dB or better Receiver Sensitivity.	The receiver's sensitivity value should be reviewed and revised to a more generic specification. The currently mentioned value is restrictive and will limit participation from other OEMs.	Please read this as "Must have -94 dB or better Receiver Sensitivity."
137	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.	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 delete this clause	The recommended wireless deployment mode is tunnel mode, which provides stronger security compared to bridge mode. Since wireless controllers are already deployed in a high-availability setup, this feature is not essential and may unnecessarily restrict the participation of major OEMs	Please read this as "Access Point/Solution must have functionality to continue serving clients when link to controller is down. The solution should also have option to authenticate user through Radius server directly from Access Point during link unavailability to controller."
138	Access Point shall support 4x4 MIMO on both radio interfaces	Access Point shall support 4x4 MIMO on both radio interfaces	Access Point shall support 4x4 MIMO on 5 GHz and 2x2 MIMO on 2.4 GHz	In the current scenario, majority of the Wi-Fi devices like Laptops, mobiles/Tabs etc. will operate at 2.4GHz with 1x1 or maximum 2x2 MIMO. This will enable legacy Wi-Fi clients with 2x2 MIMO will be able to connect to 2.4GHz and latest devices which are capable of 4x4 MIMO to get better performance out of 5 GHz band. Hence recommending the Access point with both 4x4 and 2x2 MIMO capability on 5GHz and 2.4GHz respectively for segregated client connectivity, effective use of spectrum and optimized performance for all types of wireless clients.	No change

139	3	Access Point shall support assurance, packet capture, RF sensing capabilities	Access point/solution shall support assurance, packet capture, RF sensing capabilities	The features mentioned in this clause can be achieved not only through access points alone, but also through a combination of access points with the controller, NMS, and related components. Therefore, we request that the clause be revised as suggested.	Please read this as "Access Point/Solution shall support assurance, packet capture, RF sensing capabilities"
140	4	Access Point shall support application visibility and control	Access point/solution shall support assurance, packet capture, RF sensing capabilities	The features mentioned in this clause can be achieved not only through access points alone, but also through a combination of access points with the controller, NMS, and related components. Therefore, we request that the clause be revised as suggested.	Please read this as "Access Point/Solution shall support application visibility and control."
141	5	Access Point shall support encrypted traffic visibility	Access point/solution shall support assurance, packet capture, RF sensing capabilities	The features mentioned in this clause can be achieved not only through access points alone, but also through a combination of access points with the controller, NMS, and related components. Therefore, we request that the clause be revised as suggested.	Please read this as "Access Point/Solution shall support encrypted traffic visibility"
142	9	Access Point shall support Console port that uses Standard Port (RJ-45) type connection	Access Point shall support Console port that uses Standard Port (RJ-45) type or Micro-B USB connection	The console cable interface type varies from one OEM to another and may not necessarily be RJ-45. We therefore request that this specification be revised as proposed, ensuring it aligns with functional requirements without restricting OEM compatibility.	Please refer to tender documents.
143	13	Must Support data rate up to 5Gbps.	Must Support data rate up to 2.5 Gbps	With HE60 and HE20 channel bonding on the 5 GHz and 2.4 GHz bands respectively, the aggregated real-world throughput is approximately 2.5 Gbps. However, the access point Ethernet interface has been specified as 2.5 Gbps. We therefore request that real-world throughput be considered when defining this requirement to enable broader OEM participation	Please read this as "Must Support data rate up to 3.5Gbps."
144	14	Must support minimum of 23dbm of transmit power in both 2.4GHz and 5GHz radios. And should follow the local regulatory Norms.	Must support minimum of 21dbm of transmit power in 2.4GHz and 23dbm 5GHz radios. And should follow the local regulatory Norms.	The transmit power value should be reviewed and revised to a more generic specification. The currently mentioned value is restrictive and will limit participation from other OEMs	Please read this as "Must support minimum of 21dbm of transmit power in 2.4GHz and 23dbm 5GHz radios. And should follow the local regulatory Norms."
145	17	Must have -87 dB or better Receiver Sensitivity.	Must have -96 dB or better Receiver Sensitivity.	The receiver's sensitivity value should be reviewed and revised to a more generic specification. The currently mentioned value is restrictive and will limit participation from other OEMs.	Please read this as "Must have -96 dB or better Receiver Sensitivity."
146	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 delete this clause	The recommended wireless deployment mode is tunnel mode, which provides stronger security compared to bridge mode. Since wireless controllers are already deployed in a high-availability setup, this feature is not essential and may unnecessarily restrict the participation of major OEMs	Please read this as "Access Point/Solution must have functionality to continue serving clients when link to controller is down. The solution should also have option to authenticate user through Radius server directly from Access Point during link unavailability to controller."
147	4	Access Point shall be able to powered up using 802.3 at power with full radio operation.	Access Point shall be able to powered up using 802.3 at 802.3bt power with full radio operation	High-density access points with 8x8 MIMO operation may require power in accordance with the 802.3bt standard as well. We therefore request that the clause be revised as suggested	Please read this as "Access Point shall be able to powered up using 802.3 at 802.3bt power with full radio operation"
148	6	Access Point shall have dedicated radio/chip set for spectrum monitoring capabilities, WIPS and off channel RRM without compromising and using the client serving radios.	Access Point shall have dedicated radio/chip set or client-serving radios in a hybrid mode for spectrum monitoring capabilities, WIPS and off channel RRM	A dedicated ratio for spectrum monitoring is specific to a single or a limited number of OEMs. Access points can perform spectrum monitoring in hybrid mode without impacting client-serving functionality. Therefore, we request that the clause be amended as suggested	Please read as "Access Point shall have dedicated radio/chip/or dedicated AP set for spectrum monitoring capabilities, WIPS and off channel RRM without compromising and using the client serving radios."
149	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 delete this clause	Note: Point no 21 of the specification also mentions the same.	Please read this as "Access Point/Solution must have functionality to continue serving clients when link to controller is down. The solution should also have option to authenticate user through Radius server directly from Access Point during link unavailability to controller."
150	1	Switch shall have 16 nos. 10/100/1000 Base-T ports and additional 8 nos. port supporting 100MB/1G/2.5G/10G Additional 4 nos. SFP+ uplinks ports.	Switch shall have 24 nos. 100MB/1G/2.5G/5G Additional 4 nos. SFP+ uplinks ports.	The RFP scope includes 455 access points requiring multi-rate ports supporting speeds up to 5 Gbps. With 10 switches providing only 8 multi-rate ports each, the total capacity would accommodate just 80 access points. Therefore, we request that all ports on the switches be specified as multi-rate-capable to meet the requirement effectively.	No Change. Bidders are free to quote higher configuration.
151	2	All 24 port should support PoE (802.3af) and PoE+ (802.3at) with a PoE power budget of 370 W.	All 24 port should support PoE (802.3af) and PoE+ (802.3at) with a PoE power budget of 1440 W.	Considering the large-scale Wi-Fi deployment planned for the IT campus, a 370W PoE power budget is insufficient. At 30W per port, a minimum of 720W is required, and with an RFS in place, the requirement should be specified as 1,440W. We request that the power budget be revised accordingly.	No Change. Bidders are free to quote higher configuration.

152	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.	Switch should have dedicated slot or uplink port for modular stacking. Should support minimum 40 Gbps of stacking throughput with 8 switch in single stack.	A dedicated slot for stacking if restrictive requirement. We request that stacking through uplink ports also be permitted, in line with industry standards.	Please refer to tender documents.
153	7	Switch shall have minimum 272Gbps switching fabric and 214 Mpps of forwarding rate.	Switch shall have minimum 272Gbps switching fabric and 202 Mpps of forwarding rate.	As per standard calculation 272x2(duplex)*1.488=202 Mpps.	Please read this as "Switch shall have minimum 272 Gbps of switching fabric and 202 Mpps of forwarding rate."
154	9	Should support minimum 11K IPv4 routes or more	Should support minimum 2K IPv4 routes or more	Since the requirement is for a Layer 2 switch, an extensive routing table will unnecessarily increase the CAPEX. We therefore request that this specification be reviewed and revised to a generic Layer 2-level routing table size.	No Change
155	10	Switch shall have 1K or more multicast routes.	Switch shall have 1K or more multicast routes or 700 IGMP groups	Since the requirement is for a Layer 2 switch, multicast routing features are not necessary. We therefore request that the clause be revised as suggested, limiting the requirement to Layer 2 IGMP-based multicast.	No Change
156	11	Switch should support at least 16K flow entries	Switch should support at least 16K flow entries or 4k sampling rate.	NetFlow operates using flow entries that are specific to certain OEM implementations, whereas sFlow is an open standard that functions based on sampling. We therefore request that the clause be revised to a more generic specification.	Please refer to tender documents.
157	12	Switch should support 64 or more STP/MSTP Instances.	Switch should support 32 or more STP/MSTP Instances.	Please modify the requirement to generic value which can suffice the requirement	Please refer to tender documents.
158	18	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 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbour Discovery Inspection and IPv6 Source Guard or equivalent security features	Please accept equivalent security features, since mentioned are partially specific to single OEM	Please refer to tender documents.
159	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-128 on hardware for all ports or VXLAN tunneling	MACSec will restrict the major OEM participation. Please modify the clause as suggested.	No Change
160	6	Switch should have dedicated slot or Ports for modular stacking, in addition to uplink ports. Should support for minimum 80 Gbps of stacking throughput with 8 switch in single stack.	Switch should have dedicated slot or uplink port for modular stacking. Should support minimum 40 Gbps of stacking throughput with 8 switch in single stack.	A dedicated slot for stacking is a restrictive requirement. We request that stacking through uplink ports also be permitted, in line with industry standards.	Please read this as "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."
161	10	Should support minimum 11K IPv4 routes or more	Should support minimum 2K IPv4 routes or more	Since the requirement is for a Layer 2 switch, an extensive routing table will unnecessarily increase the CAPEX. We therefore request that this specification be reviewed and revised to a generic Layer 2-level routing table size.	No Change
162	11	Switch shall have 1K or more multicast routes.	Switch shall have 1K or more multicast routes or 700 IGMP groups	Since the requirement is for a Layer 2 switch, multicast routing features are not necessary. We therefore request that the clause be revised as suggested, limiting the requirement to Layer 2 IGMP-based multicast.	No Change
163	12	Switch should support atleast 16K flow entries	Switch should support at least 16K flow entries or 4k sampling rate.	NetFlow operates using flow entries that are specific to certain OEM implementations, whereas sFlow is an open standard that functions based on sampling. We therefore request that the clause be revised to a more generic specification.	Please refer to tender documents.
164	13	Switch should support STP/VRSTP/MSTP and should have 128 or more STP Instances.	Switch should support STP/VRSTP/MSTP and should have 32 or more STP Instances.	Please modify the requirement to generic value which can suffice the requirement	Please refer to tender documents.
165	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 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbour Discovery Inspection and IPv6 Source Guard or equivalent security features	Please accept equivalent security features, since mentioned are partially specific to single OEM	Please refer to tender documents.
166	25	Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment and MAC Sec-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 for all ports or VXLAN tunneling	MACSec will restrict the major OEM participation. Please modify the clause as suggested.	No Change
Queries raised by:- (7) M/s. NetIP Technologies Pvt. Ltd.					
167		The Bidder/OEM shall submit a Solvency Certificate of ₹1,59,00,000/- issued on the official letterhead by a Scheduled Public Sector Bank or a Practising Chartered Accountant (CA).			No Change

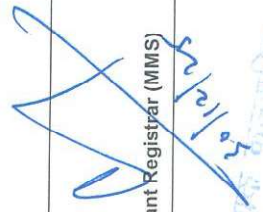
168		Page No 20 , Clause no 11	Solvency Certificate: Bidder or OEM must submit a certificate of the Rupee 1,59,00,000/- . The Certificate should be issued by the scheduled bank public sector.	Where the Solvency Certificate is issued by a CA, it shall mandatorily bear a valid UDIN, and the Issuing CA shall assume full professional responsibility and statutory accountability for the accuracy, authenticity, and financial assessment certified therein. It is expressly clarified that banks do not assume any risk, liability, or guarantor responsibility in respect of the financial capability of the Bidder/OEM.	Solvency Certificate: Bidder or OEM must submit a certificate of the Rupee 1,59,00,000/- . The Certificate should be issued by the Indian scheduled commercial bank.
169				The certificate must be valid as on the date of bid submission, failing which the bid shall be liable to rejection.	No Change
170		Page No 31 , Clause no: M	The Bidder should have 3 Wireless technology certified Engineer	Request to amend this clause, as you have already asked for similar experience during the last three years.	No change
171		Page no 30 , Clause no: B & C	The OEM Should have Wireless Solution develop Solution in three Central funded institution with Min of 300 Access Point should running in One Year	In view of the above, we request that the requirement be limited to two qualified engineers, holding BE/B.Tech in Computer Science / Electronics, and/or Network Certified Engineers, instead of any additional or overlapping conditions.	No change
172		3	WLC should have capability to host 3000 APs from day 1.	The OEM Should have Network Solution develop Solution in two Central funded institution with Min of 200 should running in Three Year . As in the Bid there was only 20 Nos of switches so the Experience were extensive very high , so request to reduce by max by what the quantity were ask in tender . So please request for Min 50-100 Nos.	No change
173	Wireless Controller, Quantity- 02	5	WLC/WLAN Tunnel aggregator devices should have 4x /10Gbps and support maximum throughput Up to 50 Gbps, must be supplied with two supporting SFP+ modules	Request to change to WLC/WLAN Tunnel aggregator devices should have 4x 10Gbps support maximum throughput Up to 40 Gbps, must be supplied with two supporting SFP+ modules	Please read this as "WLC/WLAN Tunnel aggregator devices should have 4x /10Gbps and support maximum throughput Up to 40 Gbps, must be supplied with two supporting SFP+ modules."
174		16	Should be able to set a maximum per-user bandwidth limit on a per-SSID basis.	Request to change to Should be able to set a bandwidth limit on a per-SSID basis.	No Change
175		30	The solution to support automatic packet capture in the event of a client failure or anomalous events.	Request to change to The solution to support the event of a client failure or anomalous events.	No Change
176		35	The solution must support WPA3 - enterprise 192 bit encryption through WLC, if not available on APs.	Request to change to The solution must support WPA3 - enterprise 128 bit encryption through WLC, if not available on APs.	No Change
177	Wireless Access Point Type - I , Quantity- 350	6	Access Point should have Blue tooth 5 radio to support use Cases of location, asset tracking and analytics.	Request to change to Access Point should have Blue tooth support use Cases of location, asset tracking and analytics.	Please read this as " AccessPoint should have Blue tooth 5 or latest radio to support use Cases of location,assettracking and analytics."
178		10	Access Point should have 1x 100/1000/2500Base-T uplink port along with 3x 10/100/1000 Base-T 1gigport.	Request to change to Access Point should have 4x 10/100/1000 Base-T 1gigport	No Change

179	Wireless Access Point Type – II , Quantity- 65	6	Access Point should have Bluetooth 5 radio to support use Cases of location, asset tracking and analytics.	Request to change to Access Point should have Bluetooth support use Cases of location, asset tracking and analytics		Please read this as " AccessPoint should have Blue tooth 5 or latest radio to support use Cases of location,assettracking and analytics."
180		13	Must Support data rate up to 5gbps.	Request to change to Must Support data rate up to 3.5gbps.		Please read this as " Must Support data rate up to 3.5gbps."
181		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.	Request to change to Access Point shall support 4x4 MIMO on both radio interfaces.		No Change
182	Wireless Access Point Type – III , Quantity- 40	2	Access Point shall be able to support Multigigabit Ethernet, Support up to 5 Gbps PHY speed using single Cat5e or above(Cat6, Cat6a, Cat7) cable	Request to change to Access Point shall be able to support Multigigabit Ethernet Support up to 2.5 Gbps PHY speed using single Cat5e or above(Cat6, Cat6a, Cat7) cable		No Change
183		3	Access Point should have Bluetooth5 radio to support use cases of location, asset tracking and analytics.	Request to change to Access Point should have Bluetooth support use cases of location, asset tracking and analytics.		No Change
184		5	Access Point shall support Dual 5GHz radios	Request to remove the clause		No Change
185		9	Access Points should have 1x 100, 1000, 2500, 5000 Multigigabit Ethernet (RJ-45)	Request to change to Access Points should have 1x 100, 1000, 2500 Multigigabit Ethernet (RJ-45)		No Change
186		11	Must have atleast 4dBi Antenna gain on each radios	Request to change to Must have atleast 3dBi Antenna gain on each radios		No Change
187		12	Must Support data rate upto 5gbps.	Request to change to Must Support data rate upto 3.5gbps.		No Change
188	Layer 2 Access Switch – Type-I, Quantity- 10	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.	Request to change to Switch shall have 12 nos. port supporting 100MB/1G/2.5G/5G/10G and 12 nos. supporting 100MB/1G/2.5G Additional 4 nos. SFP+ uplinks ports.		No Change
189		2	All 24 port should support PoE(802.3af) and PoE+(802.3at) with a PoE power budget of 370 W.	Request to change to All 24 port should support PoE(802.3af) and PoE+(802.3at) with a PoE power budget of 1800 W.		No Change. Bidders are free to quote higher configuration.
190		7	Switch shall have minimum 272Gbps of switching fabric and 214 Mpps of forwarding rate.	Request to change to Switch shall have minimum 800Gbps of switching fabric and 680Mpps of forwarding rate.		Please read this as "Switch shall have minimum 272 Gbps of switching fabric and 202 Mpps of forwarding rate." Bidders are free to quote higher configuration
191		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.	Request to change to Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment and MACSec-128 on hardware in modules installed in slot.		No Change
192		22	System should be capable to understand that system OS are authentic and unmodified, it should have cryptographically signed images to provide assurance that the firmware BIOS are authentic.	Request to modify the specs as The system shall support cryptographically signed firmware images and enforce image integrity verification during installation and boot, ensuring that only authentic and unmodified software runs on the device.		Bidders may quote equivalent functionality
Quarries raised by:- (8) M/s. Inside India						
193		3	WLC should have capability to host 3000 APs from day 1.	Request to change to WLC should have capability to host 2000 APs from day 1 to participate.	The immediate deployment plan and growth forecast indicate that the number of Access Points required in the near term will not exceed 2000 APs. Modern WLC platforms support clustering technology, allowing multiple controllers to work together as a single logical unit whenever it's required without replacing existing hardware	Please read this as "WLC/Solution/WLC Cluster should have capability to support 3000 APs from day 1."

194	5	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	Request to change to WLC/WLAN Tunnel aggregator devices should have 4x 10Gbps support maximum throughput Up to 40 Gbps, must be supplied with two supporting SFP+ modules	25G to 10G is justified by wider compatibility, and sufficient capacity for current WLAN throughput requirements without compromising performance.	Please read this as "WLC/WLAN Tunnel aggregator devices should have 4x /10Gbps and support maximum throughput Up to 40 Gbps, must be supplied with two supporting SFP+ modules."
195	16	Should be able to set a maximum per-user bandwidth limit on a per-SSID basis.	Request to change to Should be able to set a bandwidth limit on a per-SSID basis.	Bandwidth limit on a per-SSID basis to simplify QoS management and ensure consistent performance for specific user groups.	No Change
196	30	The solution to support automatic packet capture in the event of a client failure or anomalous events.	Request to change to The solution to support the event of a client failure or anomalous events.		No Change
197	35	The solution must support WPA3 - enterprise 192 bit encryption through WLC, if not available on APs.	Request to change to The solution must support WPA3 - enterprise 128 bit encryption through WLC, if not available on APs.		No Change
198	6	Access Point should have Blue tooth 5 radio to support use Cases of location, asset tracking and analytics.	Request to change to Access Point should have Blue tooth support use Cases of location, asset tracking and analytics.		Please read this as " AccessPoint should have Blue tooth 5 or latest radio to support use Cases of location,assettracking and analytics."
199	10	Access Point should have 1x 100/1000/2500Base-T uplink port along with 3x 10/100/1000 Base-T 1gigport.	Request to change to Access Point should have 4x 10/100/1000 Base-T 1gigport		No Change
200	6	Access Point should have Bluetooth 5 radio to support use Cases of location, asset tracking and analytics.	Request to change to Access Point should have Bluetooth support use Cases of location, asset tracking and analytics		Please read this as " AccessPoint should have Blue tooth 5 or latest radio to support use Cases of location,assettracking and analytics."
201	13	Must Support data rate up to 5gbps.	Request to change to Must Support data rate up to 3.5gbps.		Please read this as " Must Support data rate up to 3.5gbps."
202	1	Access Point shall support in 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.	Request to change to Access Point shall support 4x4 MIMO on both radio interfaces.		No Change
203	2	Access Point shall be able to support Multigigabit Ethernet.	Request to change to Access Point shall be able to support Multigigabit Ethernet		No Change
204		Support up to 5 Gbps PHY speed using single Cat6a or above(Cat6, Cat6a, Cat7) cable	Support up to 2.5 Gbps PHY speed using single Cat5e or above(Cat6, Cat6a, Cat7) cable		No Change
205	3	Access Point should have Bluetooth5 radio to support use cases of location, asset tracking and analytics.	Request to change to Access Point should have Bluetooth support use cases of location, asset tracking and analytics.		Please read this as " AccessPoint should have Blue tooth 5 or latest radio to support use Cases of location,assettracking and analytics."
206	5	Access Point shall support Dual 5GHz radios	Request to remove the clause		No Change
207	9	Access Point should have 1x 100, 1000, 2500, 5000 Multigigabit Ethernet (RJ-45)	Request to change to Access Point should have 1x 100, 1000, 2500 Multigigabit Ethernet (RJ-45)		No Change
208	11	Must have atleast 4dBi Antenna gain on each radios	Request to change to Must have atleast 3dBi Antenna gain on each radios		No Change
209	12	Must Support data rate upto 5gbps.	Request to change to Must Support data rate upto 3.5gbps.		No Change
210	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	Request to change to Switch shall have 12 nos. port supporting 100Mb/1G/2.5G/5G/10G and 12 nos. supporting 100Mb/1G/2.5G Additional 4 nos. SFP+ uplinks ports.		No Change. Bidders are free to quote higher configuration.

211	2	All 24 port should support PoE (802.3af) and PoE+ (802.3at) with a PoE power budget of 370 W.	Request to change to All 24 port should support PoE (802.3af) and PoE+ (802.3at) with a PoE power budget of 1800 W.	No Change. Bidders are free to quote higher configuration.
212	7	Layer 2 Access Switch – Type – I, Quantity- 10	Switch shall have minimum 272 Gbps of switching fabric and 214 Mpps of forwarding rate.	Please read this as "Switch shall have minimum 272 Gbps of switching fabric and 202 Mpps of forwarding rate." Bidders are free to quote higher configuration
213	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.	No Change
214	22		System should be capable to understand that system OS are authentic and unmodified. It should have cryptographically signed images to provide assurance that the firmware C BIOS are authentic.	Bidders may quote equivalent functionality.
215	25	Layer 2 Access Switch – Type – II, Quantity- 10	Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment and MACSec-128 on hardware for all ports.	No Change
Note:- a) 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.				

Assistant Registrar (MMS)


Assistant Registrar (MMS)
(Materials Management Section)