

Corrigendum - 03 Against NIT CMC/BY/23-24/RS/SkS/SS/29 - SUPPLY, INSTALLATION AND COMMISSIONING OF WI-FI NETWORK AT CORPORATE OFFICE OF BYPL, DELHI			
S. No	Name of Device	Specifications	Response
1	WLC	The Solution should have Built-in AI-powered Wireless/RF optimization	Change Request: The Solution should have Built-in AI-powered Wireless/RF optimization or equivalent
2	WLC	The wireless controller should support up to 10 controllers in a cluster to maximize performance and availability	The wireless controller shall support the clustering to maximize performance and availability
4	WLC	Wireless solution should control highly granular visibility and control over 1,000 applications	Wireless solution should control highly granular visibility and control over 1,000 applications or Higher
5	AP	Access point should IoT-ready Bluetooth 5 and 802.15.4 radio for Zigbee support.	Access point should IoT-ready Bluetooth 5 or 802.15.4 radio for Zigbee or BLE support.
6	AP	Access Point should support BPSK, QPSK, 16-QAM, 64-QAM, 256 QAM, 1024 QAM and 4096 QAM modulation types.	Access Point should support BPSK, QPSK, 16-QAM, 64-QAM, 256 QAM and 1024 QAM
7	AP	Access point should have Serial console interface (proprietary, micro-B USB physical jack), Kensington security slot	Access point should have Serial console /RJ-45 interface (proprietary, micro-B USB physical jack), Kensington security slot
8	WLC	The solution should have the capability to use an AP infrastructure and terminate two different SSIDs on two different controllers while maintaining complete separation and security for all networks, policies, management and visibility.	As per RFP. (For Clarification: BSES requires this feature to allow them to have multiple and Logically separate secure networks while using the same AP)
9	WLC	Detection of Various Threats: --support various threat detection methods and fingerprints for identifying and mitigating phishing attempts, botnets, malware, spyware, DDoS attacks, viruses, and protocol anomalies. The solution can also monitor connections to IP addresses associated with bad reputation nations and dark IP addresses, adding an extra layer of security.	As per RFP. (Solution should be ready To achieve this Solution support by further integration with NAC and other security solutions.)
10	WLC	Bi-Directional Conversation Support: The solution can statefully reassemble uni-directional flows into bi-directional conversations, allowing seamless analysis of directional flows into bi-directional conversations, allowing seamless analysis of manages asymmetrical flows, enhancing the accuracy of traffic analysis.	As feature is supported on SD-WAN /Gateway devices only
11	WLC	Data Flow Analysis Across All Ports and Services	As feature is supported on SD-WAN /Gateway devices only
12	AP	Access Point should have 2 x 100/1000/2500 Base-T MDI/MDX with Link Aggregation (LACP) between both network ports for redundancy and increased capacity.	As per RFP
13	AP	Access point should IoT-ready Bluetooth 5 and 802.15.4 radio for Zigbee support.	Access point should IoT-ready Bluetooth 5 or 802.15.4 radio for Zigbee or BLE support.
14	AP	AP should support standalone mode or Inbuilt Virtual controller mode for specific deployment requirements	As per RFP
15	POE Switch	1GB SDRAM, 4GB Flash memory and 12 MB Packet buffer size	GB SDRAM, 4GB Flash memory, and minimum 6 MB Packet buffer size. The proposed Solution ensure that the packet should not drop at the interface level.
16	POE Switch	Shall have switching capacity of 128 Gbps including stack port	Shall have switching capacity of Minimum 68 Gbps including stack port
17	POE Switch	The switch should support IEEE 802.1v protocol VLANs	The switch should support IEEE 802.1Q/V protocol VLANs
18	POE Switch	The switch should support IEEE 802.1Q (4094 VLAN IDs) and minimum 500 plus VLANs simultaneously	The switch should support IEEE 802.1Q (4094 VLAN IDs) and minimum 500 VLANs simultaneously
19	POE Switch	24 RJ-45 autosensing 10/100/1000 PoE+ ports (IEEE 802.3ab Type 1000BASE-T, IEEE 802.3at PoE+), PoE power 370 W PoE+, 4 SFP+ 1/10GbE ports populated with required Transceivers module & cable as per solution requirement	12 RJ-45 autosensing 10/100/1000 PoE+ ports (IEEE 802.3ab Type 1000BASE-T, IEEE 802.3at PoE+) power 130 W PoE+, 2 SFP+ 1/10GbE ports populated with required Transceivers module & cable as per solution requirement
20	Distribution Switch	Shall have routing/switching capacity of 960Gbps	Shall have routing/switching capacity minimum 640 Gbps Gbps from day one.
21	Distribution Switch	Shall provide Gigabit (1000 Mb) Latency of < 3 µs and 10 Gbps Latency of < 2 µs	Shall provide Gigabit (1000 Mb) Latency of < 4 µs and 10 Gbps Latency of < 2 µs
22	Distribution Switch	The switch should support IEEE 802.1v protocol VLANs	The switch should support IEEE 802.1Q/V protocol VLANs
23	Distribution Switch	The switch should support GVRP and MVRP	The switch should support GVRP/MVRP/VTP / equivalent
25	Distribution Switch	Switch Shall be populated with minimum 24 * 1G/10G SFP+ ports and 2x40G Ports available from day 1.	Switch Shall be populated with minimum 24 * 1G/10G SFP+ ports and 2x40G Ports available from day 1.
26	Distribution Switch	The switch shall support 1G/10G SFP+ (Fiber), Copper (10G-Base T, UTP) 10G capability, 1000 Base-T copper (PoE or Non-PoE) to allow customer to choose based on the backbone cabling design	The switch shall support 1G/10G SFP+ (Fiber), Copper (10G-Base T, UTP) 10G capability, 1000 Base-T copper (PoE or Non-PoE) to allow customer to choose based on the backbone cabling design
27	Distribution Switch	The Switch shall be configured in HA Mode ( A / A ) in Two different Buildings.	The Switch shall be configured in HA Mode ( A / A ) ( LACP need switch in A/A HA mode supported).
28	WL/AP/POE/Distribution Switch	All the Devices should support the IST time Zone	All the Devices should support the IST time Zone
BOQ			
		Item Description	Total Qty (Nos)
28		Wireless Controller	2
29		Access Point	30
30		8 Ports PoE Switch (shall be configured in HA mode at each floor where minimum	8
31		Distribution Switch	2
32		Network Management System	1
33		MM 10G SFP+ trans receiver	24
34		Accessories (attach detail sheet)	As per tender Annexure
35		Core Switch Cisco C9300, (Installed in our DC where new L3 Switch will connect) MM 10G SFP+ trans receiver	4