Corrigendum -	
S. No	**Name of Device**
1	WLC
2	WLC
4	WLC
5	AP
6	AP
7	AP
8	WLC
9	WLC
10	WLC
11	WLC
12	AP
13	AP
14	AP
15	POE Switch
16	POE Switch
17	POE Switch
18	POE Switch

19	POE Switch
20	Distribution Switch
21	Distribution Switch
22	Distribution Switch
23	Distribution Switch
25	Distribution Switch
26	Distribution Switch
27	Distribution Switch
28	WL/AP/POE/Distribution Switch

28
29
30
31
32
33
34
35

03 Against NIT CMC/BY/23-24/RS/SkS/SS/29 - SUPPLY, INSTALLATION AND COM

Specifications
The Solution should have Built-in AI-powered Wireless/RF optimization
The wireless controller should support up to 10 controllers in a cluster to maximize performance and availability
Wireless solution should control highly granular visibility and control over 1,000 applications
Access point should IoT-ready Bluetooth 5 and 802.15.4 radio for Zigbee support.
Access Point should support BPSK, QPSK, 16-QAM, 64-QAM, 256 QAM, 1024 QAM and 4096 QAM modulation types.
Access point should have Serial console interface (proprietary, micro-B USB physical jack), Kensington security slot
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.
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.
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.
Data Flow Analysis Across All Ports and Services
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.
Access point should IoT-ready Bluetooth 5 and 802.15.4 radio for Zigbee support.
AP should support standalone mode or Inbuilt Virtual controller mode for specific deployment requirements
1GB SDRAM, 4GB Flash memory and 12 MB Packet buffer size
Shall have switching capacity of 128 Gbps including stack port
The switch should support IEEE 802.1v protocol VLANs
The switch should support IEEE 802.1Q (4094 VLAN IDs) and minimum 500 plus VLANs simultaneously

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
Shall have routing/switching capacity of 960Gbps
Shall provide Gigabit (1000 Mb) Latency of < 3 µs and 10 Gbps Latency of < 2 µs
The switch should support IEEE 802.1v protocol VLANs
The switch should support GVRP and MVRP
Switch Shall be populated with minimum 24 * 1G/10G SFP+ ports and 2x40G Ports available from day 1.
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 be configured in HA Mode (A / A) in Two different Buildings.
All the Devices should support the IST time Zone

Item Description
Wireless Controller
Access Point
8 Ports PoE Switch (shall be configured in HA mode at each floor where minimum
Distribution Switch
Network Management System
MM 10G SFP+ trans receiver
Accessories (attach detail sheet)
Core Switch Cisco C9300, (Installed in our DC where new L3 Switch will connect) MM 10G SFP+ trans receiver

IMISSIONING OF WI-FI NETWORK AT CORPORATE OFFICE OF BYPL, DELHI
Response
Change Request: The Solution should have Built-in AI-powered Wireless/RF optimization or equivalent
The wireless controller shall support the clustering to maximize performance and availability
Wireless solution should control highly granular visibility and control over 1,000 applications or Higher
Access point should IoT-ready Bluetooth 5 or 802.15.4 radio for Zigbee or BLE support.
Access Point should support BPSK, QPSK, 16-QAM, 64-QAM, 256 QAM and 1024 QAM
Access point should have Serial console /RJ-45 interface (proprietary, micro-B USB physical jack), Kensington security slot
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)
As per RFP. (Solution should be ready To achieve this Solution support by further integration with NAC and other security solutions.)
As feature is supported on SD-WAN /Gateway devices only
As feature is supported on SD-WAN /Gateway devices only
As per RFP
Access point should IoT-ready Bluetooth 5 or 802.15.4 radio for Zigbee or BLE support.
As per RFP
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.
Shall have switching capacity of Minimum 68 Gbps including stack port
The switch should support IEEE 802.1Q/V protocol VLANs
The switch should support IEEE 802.1Q (4094 VLAN IDs) and minimum 500 VLANs simultaneously

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
Shall have routing/switching capacity minimum 640 Gbps Gbps from day one.
Shall provide Gigabit (1000 Mb) Latency of < 4 µs and 10 Gbps Latency of < 2 µs
The switch should support IEEE 802.1Q/V protocol VLANs
The switch should support GVRP/MVRP/VTP / equivalent
Switch Shall be populated with minimum 24 * 1G/10G SFP+ ports and 2x40G Ports available from day 1.
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 be configured in HA Mode (A / A) (LACP need switch in A/A HA mode supported).
All the Devices should support the IST time Zone

BOQ

Total Qty (Nos)
2
30
8
2
1
24
As per tender Annexure
4