Response to the Pre-bid Queries

Bid for implementation of CAMPUS WIDE AREA NETWORK (CWAN) and implementation of EPBAX (Intercom) System & Centralized Announce System with Classroom Based Sound System at SHRI K. K. SHASTRI GOVERNMENT COLLEGES CONFEDERATION, Ahmedabad floated on GeM portal. (Bid no. GEM/2024/B/4634503 dated 12.03.2024)

Sr. No.	RFP/Tender Reference		Query / Clarification / Suggestions from the Venders	Responses to Vendors
	Page No./Section No./ Clause No.	RFP/Tender Description		
1	Item Sr. No. 12 12 Core Single Mode Fiber Cable	Max attenuation <=0.34 dB per km@1310 nm, <= 0.20 dB per km@ 1550nm	Request for amendment to 12 Max attenuation <=0.36 dB per km@1310 nm, <= 0.24 dB per km@ 1550nm it is as per standard is 0.4 and 0.5 db	Please see the revised clause - Max attenuation <=0.34/0.36 dB per km@1310 nm, <= 0.20/0.24 dB per km@ 1550nm
2	Item Sr. No. 11 24 Port LIU	LC Single mode 1.5m Fiber Pigtail Max attenuation <=0.34 dB per km@1310 nm, <= 0.20 dB per km@ 1550nm	Request for amendment to 11 Max attenuation <=0.34 d6 per km@1310 nm, <= 0.24 dB per km@ 1550nm it is as per standard is 0.4 and 0.5 db	Please see the revised clause - LC Single mode 1.5m Fiber Pigtail Max attenuation <=0.34/0.36 dB per km@1310 nm, <= 0.20 / 0.24 dB per km@ 1550nm
3		CAT6 UTP cable which will ensure the quality of the products as cable should have life of the 20Yrs in the LAN infrastructure CAT6 UTP Cable Cable jacket - FR PVC	Cable should be CPR Rated to ensure the Construction of Products protection categories for cables demanding a reassessment of fire Safety in buildings.	Please see the revised clause - CAT6 UTP cable which will ensure the quality of the products as cable should have life of the 20Yrs in the LAN infrastructure CAT6 UTP Cable ~~Cable jacket - FR PVC~~ Cable jacket – LSZH CPR Rated
4	Item Sr. No. 40 Firewall	The OEM must be under Class 1 category with Make In India and should also have IPR rights in India.	The tender issuing authority has chosen to adopt the Make in India initiative for the selected components (Firewall). Requesting that you kindly amend it to allow "All active components MII Preferences Class-1 category".	No Change. As per RFP.
5	Access Point Dual Band, WiFi 6		Please include TEC and WPC (ETA) certificates for the Access Point, in accordance with Indian standards.	No Change. As per RFP.
6	Item Sr. No. 40 Access Point Dual Band, WiFi 6	The wireless AP and PoE switch should be from same OEM	Wireless and wired connections have different use cases, combining features under a single OEM is not adhere for wider participation. Please amend "AP and WLC from the same OEM".	No Change. As per RFP.
7	Item Sr. No. 13 24 Port L2 Switch	Support Jumbo Frame up to 10K Bytes or higher.	Please note that the generic value of the Jumbo frame is between 9000 and 9216 bytes; 10k bytes is fevering for certain OEMs. Hence, kindly amend the clause as "Support Jumbo Frame up to 9k Bytes or higher."	Please see the revised clause - Support Jumbo Frame up to 9K Bytes or higher.

8	Item Sr. No. 35 24 Port L2 Switch	Should support DHCP snooping and DHCP server screening.	DHCP screening is a proprietary protocol and is in fevered OEM. DHCP Guard provides the same category of protocol, which is supported by all the OEMs. Hence, kindly amend "Should support DHCP snooping and DHCP server screening/DHCP guard."	Please see revised clause- Should support DHCP snooping and DHCP server screening/DHCP guard.
9	Item Sr. No. 13 8 Port L2 Giga PoE+ Switch With SFP Port	Support Jumbo Frame up to 10K Bytes or higher.	Please note that the generic value of the Jumbo frame is between 9000 and 9216 bytes; 10k bytes is fevering for certain OEMs. Hence, kindly amend the clause as "Support Jumbo Frame up to 9k Bytes or higher."	Please see the revised clause - Support Jumbo Frame up to 9K Bytes or higher.
10	Item Sr. No. 35 8 Port L2 Giga PoE+ Switch With SFP Port	Should support DHCP snooping and DHCP server screening.	DHCP screening is a proprietary protocol and is in fevered OEM. DHCP Guard provides the same category of protocol, which is supported by all the OEMs. Hence, kindly amend "Should support DHCP snooping and DHCP server screening/DHCP guard."	Please see revised clause- Should support DHCP snooping and DHCP server screening/DHCP guard.
11	L3 Fiber With 12 Copper Port	All Active components like Switches, Wireless Solution, Transceiver etc. should from single OEM	Combining functionalities into a single OEM may not align with standard networking practices or effectively serve the intended purpose, as wireless and wired connections typically have different requirements and use cases. We request that you kindly remove this clause.	Please see the revised clause - All Switch should be of same OEM, All Wireless Products should be of same OEM and All Passive should be of same OEM.
12	Item Sr. No. 1 L3 Fiber With 12 Copper Port	The switch shall be non-blocking in architecture and should have Stack or Chassis. Proposed Switch should have 20 10/100/1000BASE-T Ports, 4 Combo 10/100/1000BASE-T/SFP ports and 4 SFP+ ports	Generally, 24 x 10/100/1000 Base-T Ports, 4 x 10G SFP+ Ports are used. If copper ports are required, it can be used by populating with Copper module. Which should be cost effective and the mentioned combination of ports are provided by few OEMs. Hence requesting to amend the clause "Proposed Switch should have 24 x 1G Base-T and 4 x 10G SFP+ ports"	No Change. As per RFP.
13	Item Sr. No. 4 L3 Fiber With 12 Copper Port	The Switch shall support Min. 48K Mac address and Support 802.1Qbb Priority based Flow Control (PFC).	Limiting MAC addresses provides better security, efficient resource utilization, and stable network operation. Also, the mentioned switch is Layer 3 switch, these much amount of MAC table will be not use and 802.1Qbb is not viable to ask. It is just in a fever with some OEMs. Hence requesting to amend the clause as "The Switch shall support Min. 16K Mac address."	Please see the revised clause - The Switch shall support Min. 48K Mac address and ~~Support 802.1Qbb Priority based Flow Control (PFC).~~
14	Item Sr. No. 5 L3 Fiber With 12 Copper Port	Switch should be Chassis Solution (Min 3 Slot Chassis) or Support Physical Stacking up to 8 units per stack. Stacking bandwidth should be up to 80G and up to 24 devices per virtual stack.	Please confirm stacking is up to 8 units, which is a generic ask. Hence requesting to amend "Switch should be Chassis Solution (Min 3 Slot Chassis) or Support Physical Stacking up to 8 units per stack."	No Change. As per RFP.
15	Item Sr. No. 11 L3 Fiber With 12 Copper Port	Should have 802.1D STP, 802.1w RSTP and 802.1s MSTP Spanning Tree Protocol and ERPS as per	Requesting to amend the clause as "Should have 802.1D STP, 802.1w RSTP and 802.1s MSTP Spanning Tree Protocol and ERPS/RRP or equivalent."	Please see the revised clause - Should have 802.1D STP, 802.1w RSTP and 802.1s MSTP Spanning Tree Protocol and ERPS / RRP as per

		standard ITU-T G.8032 to provide protection for Ethernet traffic in ring topology.		standard ITU-T G.8032 to provide protection for Ethernet traffic in ring topology.
16	Item Sr. No. 12 L3 Fiber With 12 Copper Port	The Switch should have 802.1AX Link Aggregation Up to 30 groups per device.	A common range of link aggregation groups is 4-16 LAGs. Hence, kindly amend "The Switch should have 802.1AX Link Aggregation up to 16 groups per device."	Please see the revised clause - The Switch should have 802.1AX Link Aggregation Up to 16 groups per device.
17	Item Sr. No. 14 L3 Fiber With 12 Copper Port	Switch shall support ITU-T G.8032 Ethernet Ring Protection Switching to provide protection for Ethernet traffic in a ring topology, while ensuring that no loops are within the ring at the Ethernet layer and Shall have the intelligence to detect the loop occurring from the unmanaged network segment	Include RRP in the equivalent ERPS to optimize the ring protection protocol for improved reliability and efficiency. Hence, kindly amend "Switch shall support ITU-T G.8032 Ethernet Ring Protection Switching or Ring Redundancy Protocol (RRP)"	Please see the revised clause - Switch shall support ITU-T G.8032 Ethernet Ring Protection Switching or Ring Redundancy Protocol (RRP)"
18	Item Sr. No. 16 L3 Fiber With 12 Copper Port	Switch should support Static routing for IPv4 and IPv6, RIP for IPv4 and RIPng for IPv6, OSPF,OSPF v3, BGP4, BGP4+ IS-IS v4/V6 and MPLS from day 1	Prioritize simplicity and scalability in routing protocol support, that specialize in important protocols for present requirements. This method allows for destiny boom and adaptableness, permitting gradual creation of extra protocols for smooth integration and top-rated performance. Hence requesting to remove.	L3 Switch with Routing Protocols requirement and It's as per Solution Requirement so no change. As per RFP.
19	Item Sr. No. 17 L3 Fiber With 12 Copper Port	Switch should support PIM-SM, PIM-DM, PIM-SDM, PIM-SMv6, DVMRP v3 and MSDP	Requesting to amend the clause as "Switch should support PIM-SM/PIMDM/PIM-SDM/PIM-SMv6, and DVMRP/GVRP"	L3 Switch with Routing Protocols requirement and It's as per Solution Requirement so no change.
20	Item Sr. No. 18 L3 Fiber With 12 Copper Port	Should support Bidirectional Forwarding Detection, Policy based routing, Route Redistribution support, URPF, ECMP, VRRP v2 & V3.	Requesting to amend the clause as "Should support BFD/OSPF hello, Policy based routing, Route Redistribution support, URPF/DoS, ECMP, VRRP v2 & V3."	L3 Switch with Routing Protocols requirement and It's as per Solution Requirement so no change.
21	Item Sr. No. 19 L3 Fiber With 12 Copper Port	IPv6 Tunneling: Tunnel types should be supported are Static, 6to4, ISATAP and GRE.	By removing GRE, the network configuration will be simplified, and performance will be enhanced, ensuring that resources are allocated optimally to support current and future networking demands. And requesting to amend the clause as "IPv6 Tunneling: Tunnel types should be supported are Static, 6to4, and ISATAP."	Basic IPv6 Tunneling Requirement, so no change.
22	Item Sr. No. 21 L3 Fiber With 12 Copper Port	Granular Rate Limiting functions on per port & flow based to guarantee bandwidth in increments shall be as low as 8 Kilobits per Second. Queue Handling mode: WRR & Strict Mode, Strict + WRR and Weighted Deficit Round Robin (WDRR)	WDRR and WRR preserve the similarity so requesting to amend "Granular Rate Limiting functions on per port & flow based to guarantee bandwidth in increments shall be as low as 8 Kilobits per Second. Queue Handling mode: WRR/WDRR & Strict Mode, Strict + WRR"	Please see the revised clause - Granular Rate Limiting functions on per port & flow based to guarantee bandwidth in increments shall be as low as 8 Kilobits per Second. Queue Handling mode: WRR/WDRR & Strict Mode, Strict + WRR/WDRR Weighted Deficit Round Robin (WDRR).
23	Item Sr. No. 25 L3 Fiber With 12 Copper Port	802.3ah Ethernet Link OAM, 802.1ag Connectivity Fault Management (CFM), Switch shall support ITU-T Y.1731, Optical Transceiver Digital Diagnostic Monitoring (DDM) & Dying gasp	Requesting to amend the clause as "Switch support Uni-Directional Link Detection (UDLD) and Optical Transceiver Digital Diagnostic Monitoring (DDM)."	Please see the revised clause - 802.3ah Ethernet Link OAM, 802.1ag Connectivity Fault Management (CFM), Switch shall support ITU-T Y.1731 / support Uni-Directional Link

				Detection (UDLD, Optical Transceiver Digital Diagnostic Monitoring (DDM) & Dying gasp
24	Item Sr. No. 35 L3 Fiber With 12 Copper Port	Certification: CE, FCC, RoHS and UL.	Requesting to add TEC certificate and amend "Certification: CE, FCC, RoHS, UL/IEC, TEC."	Please see the revised clause Certification: CE, FCC, RoHS and UL/IEC.
25	Item Sr. No. 15 L3 Fiber With 12 Copper Port	OEM Should be International certification for the ISO 45001 Health and Safety Management System and ISO-27001 Information Security Management System.	Kindly amend "OEM should have ISO 9001, 14001, 20000, 27001, 45001 & CMMI Level 5 certificates"	No Change. As per RFP.
26		Past Performance - 20 %	Department should change past Bidders experience as per GFR 2017 rule no 178 A) One project of similar nature costing not less than the amount equal to 80% of the estimated bid value OR b) Two projects of similar nature costing not less than the amount equal to 50% of the estimated bid value OR c) Three projects of similar nature costing not less than the amount equal to 40% of the estimated bid Value	No Change. As per RFP.
27		Item Category	Our experience to patch Q3 item link on GeM is quite difficult Request to create BOQ bid instead of Q3 to get more participant.	As per GeM, BOQ bid is not allowed by GeM.
28	Item Sr. No. 40 Firewall	The OEM must be under Class 1 category with Make In India and should have IPR rights in India.	The tender issuing authority has chosen to adopt the Make in India initiative for the selected components (Firewall). Requesting that you kindly amend it to allow "All active components MII preferences Class-1 category".	Please refer the point No 4
29	Access Point Dual Band, Wi-Fi 6		Please include TEC and WPC (ETA) certificates for the Access Point, in accordance with Indian standards.	Please refer the point No 5
30	Item Sr. No. 19 Access Point Dual Band, Wi-Fi 6	The wireless AP and PoE switch should be from same OEM	Wireless and wired connections have different use cases, combining features under a single OEM is not adhere for wider participation. Please amend "AP and WLC from the same OEM".	Please refer the point No 6
31	Item Sr. No. 13 24 Port L2 Switch	Support Jumbo Frame up to 10K Bytes or higher.	Please note that the generic value of the Jumbo frame is between 9000 and 9216 bytes; 10k bytes is fevering for certain OEMs. Hence, kindly amend the clause as "Support Jumbo Frame up to 9k Bytes or higher."	Please refer the point No 7
32	Item Sr. No. 35 24 Port L2 Switch	Should support DHCP snooping and DHCP server screening.	DHCP screening is a proprietary protocol and is in fevered OEM. DHCP Guard provides the same category of protocol, which is supported by all the OEMs. Hence, kindly amend "Should support DHCP snooping and DHCP server screening/DHCP guard."	Please refer the point No 8

33	Item Sr. No. 13 8 Port L2 Giga PoE+ Switch With SFP Port	Support Jumbo Frame up to 10K Bytes or higher.	Please note that the generic value of the Jumbo frame is between 9000 and 9216 bytes; 10k bytes is fevering for certain OEMs. Hence, kindly amend the clause as "Support Jumbo Frame up to 9k Bytes or higher."	Please refer the point No 9
34	Item Sr. No. 35 8 Port L2 Giga PoE+ Switch With SFP Port	Should support DHCP snooping and DHCP server screening.	DHCP screening is a proprietary protocol and is in fevered OEM. DHCP Guard provides the same category of protocol, which is supported by all the OEMs. Hence, kindly amend "Should support DHCP snooping and DHCP server screening/DHCP guard."	Please refer the point No 10
35	L3 Fiber With 12 Copper Port	All Active components like Switches, Wireless Solution, Transceiver etc. should from single OEM	Combining functionalities into a single OEM may not align with standard networking practices or effectively serve the intended purpose, as wireless and wired connections typically have different requirements and use cases. We request that you kindly remove this clause.	Please refer the point No 11
36	Item Sr. No. 1 L3 Fiber With 12 Copper Port	The switch shall be non-blocking in architecture and should have Stack or Chassis. Proposed Switch should have 20 10/100/1000BASE-T Ports, 4 Combo 10/100/1000BASE-T/SFP ports and 4 SFP+ ports	Generally, 24 x 10/100/1000 Base-T Ports, 4 x 10G SFP+ Ports are used. If copper ports are required it can be used by populating with Copper module. Which should be cost-effective and the mentioned combination of ports are provided by few OEMs. Hence requesting to amend the clause "Proposed Switch should have 24 x 1G Base-T and 4 x 10G SFP+ ports"	Please refer the point No 12
37	Item Sr. No. 4 L3 Fiber With 12 Copper Port	The Switch shall support Min. 48K Mac address and Support 802.1Qbb Priority-based Flow Control (PFC).	Limiting MAC addresses provides better security, efficient resource utilization, and stable network operation. Also, the mentioned switch is Layer 3 switch, these much amount of MAC table will be not use and 802.1Qbb is not viable to ask. It is just in a fever with some OEMs. Hence requesting to amend the clause as "The Switch shall support Min. 16K Mac address."	Please refer the point No 13
38	Item Sr. No. 5 L3 Fiber With 12 Copper Port	Switch should be Chassis Solution (Min 3 Slot Chassis) or Support Physical Stacking up to 8 units per stack. Stacking bandwidth should be up to 80G and up to 24 devices per virtual stack.	Please confirm stacking is up to 8 units, which is a generic ask. Hence requesting to amend "Switch should be Chassis Solution (Min 3 Slot Chassis) or Support Physical Stacking up to 8 units per stack."	Please refer the point No 14
39	Item Sr. No. 11 L3 Fiber With 12 Copper Port	Should have 802.1D STP, 802.1w RSTP and 802.1s MSTP Spanning Tree Protocol and ERPS as per standard ITU-T G.8032 to provide protection for Ethernet traffic in ring topology.	Requesting to amend the clause as "Should have 802.1D STP, 802.1w RSTP and 802.1s MSTP Spanning Tree Protocol and ERPS/RRP or equivalent."	Please refer the point No 15
40	Item Sr. No. 12 L3 Fiber With 12 Copper Port	The Switch should have 802.1AX Link Aggregation Up to 30 groups per device.	A common range of link aggregation groups is 4-16 LAGs. Hence, kindly amend "The Switch should have 802.1AX Link Aggregation up to 16 groups per device."	Please refer the point No 16
41	Item Sr. No. 14 L3 Fiber With 12 Copper Port	Switch shall support ITU-T G.8032 Ethernet Ring Protection Switching to provide protection for Ethernet traffic in a ring topology, while ensuring	Include RRP in the equivalent ERPS to optimize the ring protection protocol for improved reliability and efficiency. Hence, kindly amend "Switch shall support	Please refer the point No 17

		that no loops are within the ring at the Ethernet layer and Shall have the intelligence to detect the loop occurring from the unmanaged network segment	ITU-T G.8032 Ethernet Ring Protection Switching or Ring Redundancy Protocol (RRP)"	
42	Item Sr. No. 16 L3 Fiber With 12 Copper Port	Switch should support Static routing for IPv4 and IPv6, RIP for IPv4 and RIPng for IPv6, OSPF,OSPF v3, BGP4, BGP4+ IS-IS v4/V6 and MPLS from day 1	Prioritize simplicity and scalability in routing protocol support, that specialize in important protocols for present requirements. This method allows for destiny boom and adaptableness, permitting gradual creation of extra protocols for smooth integration and top-rated performance. Hence requesting to remove.	Please refer the point No 18
43	Item Sr. No. 17 L3 Fiber With 12 Copper Port	Switch should support PIM-SM, PIM-DM, PIM-SDM, PIM-SMv6, DVMRP v3 and MSDP	Requesting to amend the clause as "Switch should support PIM-SM/PIM-DM/PIM-SDM/PIM-SMv6, and DVMRP/GVRP"	Please refer the point No 19
44	Item Sr. No. 18 L3 Fiber With 12 Copper Port	Should support Bidirectional Forwarding Detection, Policy based routing, Route Redistribution support, URPF,ECMP, VRRP v2 & V3.	Requesting to amend the clause as "Should support BFD/OSPF hello, Policy based routing, Route Redistribution support, URPF/DoS, ECMP, VRRP v2 & V3."	Please refer the point No 20
45	Item Sr. No. 19 L3 Fiber With 12 Copper Port	IPv6 Tunneling: Tunnel types should be supported are Static, 6to4, ISATAP and GRE.	By removing GRE, the network configuration will be simplified, and performance will be enhanced, ensuring that resources are allocated optimally to support current and future networking demands. And requesting to amend the clause as "IPv6 Tunneling: Tunnel types should be supported are Static, 6to4, and ISATAP."	Please refer the point No 21
46	Item Sr. No. 21 L3 Fiber With 12 Copper Port	Granular Rate Limiting functions on per port & flow based to guarantee bandwidth in increments shall be as low as 8 Kilobits per Second. Queue Handling mode: WRR & Strict Mode, Strict + WRR and Weighted Deficit Round Robin (WDRR)	WDRR and WRR preserve the similarity so requesting to amend "Granular Rate Limiting functions on per port & flow based to guarantee bandwidth in increments shall be as low as 8 Kilobits per Second. Queue Handling mode: WRR/WDRR & Strict Mode, Strict + WRR"	Please refer the point No 22
47	Item Sr. No. 25 L3 Fiber With 12 Copper Port	802.3ah Ethernet Link OAM, 802.1ag Connectivity Fault Management (CFM), Switch shall support ITU-T Y.1731, Optical Transceiver Digital Diagnostic Monitoring (DDM) & Dying gasp	Requesting to amend the clause as "Switch support Uni-Directional Link Detection (UDLD) and Optical Transceiver Digital Diagnostic Monitoring (DDM)."	Please refer the point No 23
48	Item Sr. No. 35 L3 Fiber With 12 Copper Port	Certification: CE, FCC, RoHS and UL.	Requesting to add TEC certificate and amend "Certification: CE, FCC, RoHS, UL/IEC, TEC."	Please refer the point No 24
49	Item Sr. No. 15 L3 Fiber With 12 Copper Port	OEM Should be International certification for the ISO 45001 Health and Safety Management System and ISO-27001 Information Security Management System.	Kindly amend "OEM should have ISO 9001, 14001, 20000, 27001, 45001 & CMMI Level 5 certificates"	Please refer the point No 25

50	Item Sr. No. 6 Controller for Zone Wise Announcement with DSP function power amplifier	Software should support minimum of 100000 Zones.	It is Minimum Or Maximum?	Please see the revised clause - Software should support minimum of 100 Zone from Day 1.
51	Item Sr. No. 7 Controller for Zone Wise Announcement with DSP function power amplifier	Software should also need the capability to add IP based conference system for easy monitoring	Should We Considered IP Phone For Integration For Announcement For any Message Or else Please Share use case	Software should also need the capability to add IP based device i.e. conference system / Paging station for easy monitoring
52	Item Sr. No. 5 IP Based Speaker	It should have Automatic volume control based on ambient noise level	It Should be sense automatically or else it would be control Thru Software.	It Should be sense automatically or else it would be control Thru Software.
53	Item Sr. No. 11 12 Port & 24 Port fully loaded LIU	Max attenuation <=0.34 dB per km@1310 nm, <= 0.20 dB per km@ 1550nm	Max attenuation <=0.34 dB per km@1310 nm, <= 0.24 dB per km@ 1550nm	Please refer the point No 2