

Responses of Pre-Bid Queries

NIT No- EdCIL/DES/NITIE/ICT/2021/01

Date : 14.03.2022

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
1	Cisco	Annexure XVIII Equipment Specification and Compliance	98 of 127	UTM Firewall - Clause 7 The proposed firewall should support min. - Firewall Throughput - 36Gbps, NGFW throughput - 9Gbps, IPS Throughput - 9Gbps Concurrent sessions - 08Million, IPSec VPN throughput of 8.5Gbps New sessions per second - 98K	For the overall performance requirement for the UTM firewall, request you to please increase the NGFW and IPS throughput to atleast 18Gbps Request you to please amend the clause as - "The proposed firewall should support min. - Firewall Throughput - 36Gbps, NGFW throughput - 18Gbps, IPS Throughput - 18Gbps Concurrent sessions - 08Million, IPSec VPN throughput of 8.5Gbps New sessions per second - 98K."		No Change
2	Cisco	Annexure XVIII Equipment Specification and Compliance	99 of 127	Core Switch - Clause 10 - 2. Basic IPv4 and IPv6 Static Routing, OSPF, BGP, ECMP, VXLAN and EVPN, Host Routes, PIM SM/DM multicast, Virtual Interfaces, Routed Interfaces, Route Only and Routing between directly connected subnets from day 1.	From security standpoint - it is important to safeguard the network and its communication using 802.1AE, MACsec Key Agreement (MKA) protocol provide secure communications on Ethernet links using strong encryption. It Provides integrity checking to help ensure that data cannot be modified in transit. Please amend the clause as - "2. Basic IPv4 and IPv6 Static Routing, OSPF, BGP, ECMP, VXLAN and EVPN, Host		No Change

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					Routes, PIM SM/DM multicast, Virtual Interfaces, Routed Interfaces, Route Only and Routing between directly connected subnets and MACSec from day 1"		
3	Cisco	Annexure XVIII Equipment Specification and Compliance	101 of 127	Distribution Switch - Clause 9-2. Basic IPv4 and IPv6 Static Routing, OSPF, BGP, ECMP, VXLAN and EVPN, Host Routes, PIM SM/DM multicast, Virtual Interfaces, Routed Interfaces, Route Only and Routing between directly connected subnets from day 1.	From security standpoint - it is important to safeguard the network and its communication using 802.1AE, MACsec Key Agreement (MKA) protocol provide secure communications on Ethernet links using strong encryption. It Provides integrity checking to help ensure that data cannot be modified in transit. Please amend the clause as - "2. Basic IPv4 and IPv6 Static Routing, OSPF, BGP, ECMP, VXLAN and EVPN, Host Routes, PIM SM/DM multicast, Virtual Interfaces, Routed Interfaces, Route Only and Routing between directly connected subnets and MACSec from day 1"		No Change

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4	Cisco	Annexure XVIII Equipment Specification and Compliance	102 of 127	Access Switch - 48 Port PoE/PoE+/Non PoE Clause 1 Type 2: 48-Port 10/100/1000 Mbps PoE/PoE+, 4 x 1G/10G SFP+ slots	In the current design ask the WiFi6 APs are restricted only on 1G port speed at the access switch level. Since the APs asked in the RFP are WiFi6, we suggest you should ask for few mGig ports in the access switches. This will enable the WiFi-6 APs to provide better user throughput and performance. Request you to please amend the clause as - "Type 2: 48-Port 10/100/1000 Mbps PoE/PoE+ (with min. 8xmGig 1/2.5/5/10G PoE ports), 4 x 1G/10G SFP+ slots" this will help you with no performance degradations in the wireless network.		No Change
5	Cisco	Annexure XVIII Equipment Specification and Compliance	102 of 127	Access Switch - 48 Port PoE/PoE+/Non PoE Clause 2 Should support up to 720 W PoE Budget	Referring clause no. 10 - "Switch Should have internal redundant power supplies with fan module from day one" Since you have asked for internal redundant power supply - requesting you to please ask the max. supported power budget of 1440W Requesting you to please amend the clause as - "Should support up to 1440 W PoE Budget"		As per corrigendum 1
6	Cisco	Annexure XVIII Equipment Specification	103 of 127	Access Switch - 48 Port PoE/PoE+/Non PoE Clause 5 Stacking bandwidth: 40 Gbps or more	Requesting you to please amend the clause as - "Stacking bandwidth: 80Gbps or more"		No change

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		and Compliance					
7	Cisco	Annexure XVIII Equipment Specification and Compliance	103 of 127	Access Switch - 48 Port PoE/PoE+/Non PoE Clause 8 - The switch should support IPv4 and IPv6 Static Routing, RIP v1/v2, IPv4/v6 QOS/ACLs, IGMP V1/V2/V3, MLD V1/V2, IGMP and MLD snooping from day 1	From security standpoint - it is important to safeguard the network and its communication using 802.1AE, MACsec Key Agreement (MKA) protocol provide secure communications on Ethernet links using strong encryption. It Provides integrity checking to help ensure that data cannot be modified in transit. Please amend the clause as - "2. The switch should support IPv4 and IPv6 Static Routing, RIP v1/v2, IPv4/v6 QOS/ACLs, IGMP V1/V2/V3, MLD V1/V2, IGMP and MLD snooping and MACSec from day 1"		No change
8	Cisco	Annexure XVIII Equipment Specification and Compliance	103 of 127	Access Switch - 48 Port PoE/PoE+/Non PoE - Clause 11 Each Switch should be loaded with one (1) 10G Direct Attached Cables (DAC) with a length of Three (3) Meters.	Please clarify the requirement of 1no. of 10G DAC cable (3m). As per our understanding this should be stacking cable. Please clarify.		10G DAC cable may be used for Stacking
9	Cisco	Annexure XVIII Equipment Specification and Compliance	103 of 127	Access Switch - 24 Port Switch Non PoE/PoE/PoE+ - clause 1 Type 2: 24-Port 10/100/1000 Mbps PoE/PoE+, 4 x 1G/10G SFP+ slots	Request you to please amend the clause as - "Type 2: 24-Port 10/100/1000 Mbps PoE/PoE+ (with min. 8xmGig 1/2.5/5/10G PoE ports), 4 x 1G/10G SFP+ slots"		No Change

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10	Cisco	Annexure XVIII Equipment Specification and Compliance	103 of 127	Access Switch - 24 Port Switch Non PoE/PoE/PoE+ - clause 3 - Should support minimum 370 W PoE Budget.	Requesting you to please amend the clause as - "Should support up to 740 W PoE Budget"		No change
11	Cisco	Annexure XVIII Equipment Specification and Compliance	104 of 127	Access Switch - 24 Port Switch Non PoE/PoE/PoE+ - clause 5, Stacking Bandwidth : 40 Gbps or more;	Requesting you to please amend the clause as - "Stacking bandwidth: 80Gbps or more"		No change
12	Cisco	Annexure XVIII Equipment Specification and Compliance	104 of 127	Access Switch - 24 Port Switch Non PoE/PoE/PoE+ - clause 8, The switch should support IPv4 and IPv6 Static Routing, RIP v1/v2, IPv4/v6 QOS/ACLs, IGMP V1/V2/V3, MLD V1/V2, IGMP and MLD snooping from day 1	From security standpoint - it is important to safeguard the network and its communication using 802.1AE, MACsec Key Agreement (MKA) protocol provide secure communications on Ethernet links using strong encryption. It Provides integrity checking to help ensure that data cannot be modified in transit. Please amend the clause as - "2. The switch should support IPv4 and IPv6 Static Routing, RIP v1/v2, IPv4/v6 QOS/ACLs, IGMP V1/V2/V3, MLD V1/V2, IGMP and MLD snooping and MACSec from day 1"		No change

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13	Cisco	Annexure XVIII Equipment Specification and Compliance	104 of 127	Access Switch - 24 Port Switch Non PoE/PoE/PoE+ - clause 5, Stacking Bandwidth : 40 Gbps or more;	Here, in the 24 port access switches, there's no requirement specified in the specs for DAC / stacking cable as given in 48 port switch. We understand there shall be requirement of DAC/stacking cables for these switches as well. Please clarify.		No Change
14	Cisco	Annexure XVIII Equipment Specification and Compliance	107 of 127	AP - Type 1 - Clause 4, The access point should support installations on wall, Mounting Kit should be included from OEM.	Though the AP can be mounted on the wall, we strongly recommend to install the APs on the ceiling so as to get the optimal wireless coverage by using internal omni directional antennas. For the benefit of solution - we suggest you to please amend the clause as- "The access point should support installations on ceiling, Mounting Kit should be included from OEM."		As per corrigendum 1
15	Cisco	Annexure XVIII Equipment Specification and Compliance	108 of 127	AP - Type 2 - Clause 1, It should be Dual-band 802.11abgn/ax, Wireless Indoor Access Point with Multi-Gigabit Ethernet backhaul, 4x4:4 streams in 5Ghz and 2x2:2 stream in 2.4Ghz, MU-MIMO."	Here, in the given specs, you have asked for 2x2:2 MIMO for 2.4Ghz whereas for 5Ghz - it has been asked as 4x4:4MIMO. To get the consistent performance for the user on any of the bands, we recommend you to go for 4x4MIMO on both the radios, so that there is no performance degradation. Request you to please amend the clause as - "It should be Dual-band 802.11abgn/ax, Wireless Indoor Access Point with Multi-Gigabit		As per corrigendum 1

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					Ethernet backhaul, 4x4:4 streams in both 5Ghz & 2.4Ghz, MU-MIMO.""		
16	Cisco	Annexure XVIII Equipment Specification and Compliance	108 of 127	AP - Type 2- Clause 2, It should provide minimum concurrent data rate of 3000 Mbps	We recommend to keep the min. data rate as 5000Mbps or 5Gbps Request you to please amend the clause as - "It should provide minimum concurrent data rate of 5000 Mbps"		No Change
17	Cisco	Annexure XVIII Equipment Specification and Compliance	108 of 127	AP - Type 2 - Clause 3, It Should have minimum two (2) 1GbE RJ45 ports or 1x100,1000, 2500 Multigigabit Interface"	The AP has been asked with 1/100,1000,2500Mbps RJ45 multigig ports, however the access switches doesn't have provision for mGig ports we strongly recommend you to go with access switches that supports mgig ports. Please consider atleast 8x mGig ports in access switches so that you get optimal performance for wireless infrastructure.		No Change
18	Cisco	Annexure XVIII Equipment Specification and Compliance	109 of 127	AP - Type 3 - Clause 2, It should provide minimum concurrent data rate of 3500 Mbps.	Requesting you to please amend the clause as - "It should provide minimum concurrent data rate of 5000 Mbps."		No Change

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19	Cisco	Annexure XVIII Equipment Specification and Compliance	109 of 127	AP Type 3, Clause 3 and Clause 5 It should be read as "It Should have minimum two (2) 1GbE RJ45 ports or 1x100,1000, 2500 Multigigabit Interface" & It should support Multi-Gigabit Ethernet backhaul and on-board BLE / Zigbee /IoT	Since the AP has been asked with mGig ports, however the access switches doesn't have provision for mgig connectivity. We strongly recommend you to go with access switches that supports mgig ports. Please consider atleast 8x mGig ports in access switches so that you get optimal performance for wireless infrastructure.		No Change
20	Cisco	Annexure XVIII Equipment Specification and Compliance	111 of 127	NMS - Clause 10, Management tool should provide reporting features Reports should cover device connectivity, network health, capacity planning. A reporting wizard is also provided to generate scheduled and on-demand reports that highlight network and application health, throughput and usage data, device and client inventory and much more. Tool should have minimum 30 days of statistic and 90 days of reporting data.	Request you to please amend the clause as - "Management tool should provide reporting features Reports should cover device connectivity, network health, capacity planning. A reporting wizard is also provided to generate scheduled and on-demand reports that highlight network and application health, throughput and usage data, device and client inventory and much more. Overall solution with log server should have minimum 30 days of statistic and 90 days of reporting data."		As per corrigendum 1
21	Cisco	Annexure XVIII Equipment Specification and Compliance	114 of 127	Server Hardware - Clause 2 Supported CPU - Up to two 3rd Generation Intel® Xeon® Scalable processors with up to 40 cores per processor Support for up to 2 x 270W	Requesting you to please amend the clause as - "Up to two 3rd Generation Intel® Xeon® Scalable processors with up to 40 cores per processor Support for up to 2 x 270W processors."		As per corrigendum 1

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				processors; Direct Liquid Cooling support.			
22	Cisco	Annexure XVIII Equipment Specification and Compliance	114 of 127	Server Hardware - Clause 10, 4* 10G Ethernet ports - SFP+ Ports, 2 x 1GbE LOM + 1 x OCP 3.0	Requesting you to please amend the clauses as- "4* 10G SFP+ Ports, 2 x 1GbE LOM / 1 x OCP 3.0"		As per corrigendum 1
23	Cisco	Annexure XVIII Equipment Specification and Compliance	115 of 127	Server hardware - Clause 14, Configuration and Management - • Agent-free monitoring, driver updates & configuration, power monitoring & capping, RAID management, external storage management, monitoring of FC, HBA & CNA & system health	As per the solution ask, there is no external storage, moreover the server hardware can not provide external storage management. Requesting you to please amend the clause as - "• Agent-free monitoring, driver updates & configuration, power monitoring & capping, RAID management, monitoring of FC, HBA & CNA & system health."		As per corrigendum 1
24	Cisco	Annexure XVIII Equipment Specification and Compliance	115 of 127	Server Hardware - Clause 15 Configuration and management	We strongly recommend to add following management points in the server - so as to protect your environment - 1. The proposed management solution should provide proactive security & software advisory alerts and should outline the fixes required to address the issues. 2. The proposed management solution should analyze current configurations & identify potential issues due to driver & firmware incompatibility		No Change

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					3. Server management system should provide an alert in case the system is not part of OEM Hardware Compatibility list & should provide anti counterfeit.		
25	Cisco	Annexure XVIII Equipment Specification and Compliance	General Technical Point		There is no specifications or requirement for the Network Access Control in the RFP. We strongly recommend the user identity based authentication, authorization and accounting (AAA) solution must to deployed in the campus environment so that users can get access to the network based on their identity and role by integrating the AAA/NAC solution with existing AD/LDAP as single source of truth. The AAA/NAC solution would be able to provide secure wired and wireless access in the network, 802.1x, MAB, Guest management, profiling of devices in the network, BYOD, device administration, posture validation etc. We see these features missing in the overall solution, thus strongly recommend to have NAC/AAA solution to be added in the requirement.		No Change

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26	VM Ware	Server Software	116	Recommended to include the below points cover the management of the environment	The solution shall provide a unified management of performance, capacity and compliance for the proposed platform. It should have the capabilities for customization of dashboards and provide customized reports and also should provide the ability to provide ready reports and Dashboards for monitoring purposes with identification capability on over-sized, under-sized, right sizing, Idle and powered-off virtual workloads.		No Change
27	VM Ware	Server Software		Recommended to include the below points cover the management of the environment	The solution should allow achieve optimal workload management from initial deployment, ongoing rebalance, to retirement and reclamation with complete lifecycle management.		No Change
28	VM Ware	Server Software		Recommended to include the below points cover the management of the environment	The solution should provide Smart Alerts, Root-cause analysis, guided remediation, Self-learning analytics with Dynamic Thresholds and compliance standards to deliver recommendations, or trigger actions, that optimize performance and capacity and enforce configuration standards.		No Change

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29	VM Ware	Server Software		Recommended to include the below points cover the management of the environment	The solution should be able to aggregate and analyze all types of machine-generated log data, for example, application logs, network traces, configuration files, messages, performance data and system state dumps. The solution should have capabilities to perform Log retention and Log archival for future access. The operations Solution and Log Management should have OOTB intergration		No Change
30	VM Ware	Server Software		Recommended to include the below points cover the management of the environment	The solution should provide infrastructure and operations analytics to eliminate time-consuming problem resolution processes through automated root cause analysis		No Change
31	MDP Infra	CHAPTER-IV CHAPTER-IV / Instruction to Bidders - 4.8 / Performance Security / Page no. 17		The successful bidder shall deposit Performance Bank Guarantee equivalent to 10% of contract value to NITIE within 7 days from the date of receipt of Letter of Intent (LOI)/LOA.	As per the recent Govt. GFR in regards to the PBG it is @3% , Request you to please ament the same and keep <u>it 3% PBG of the order value .</u>		Bidder is allowed to submit Performance Bank Guarantee equivalent to 3% of contract value to NITIE within 7 days from the date of receipt of Letter of Intent (LOI)/LOA.

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32	MDP Infra	CHAPTER-VI Eligibility and Bid Evaluation/6. 2 Pre- Qualification/ Eligibility Criteria /Page no. 37		2. The bidder shall be in IT & ITES business for the last 7 years and shall have 7 years of experience as on date of floating of tender in all of the following areas: i. Supply and maintenance of servers and storage ii. Supply and maintenance of networking devices ...	Being an eligible bidder, we request you to please amend the clause and ask for" <u>The bidder should be in the business of IT & ITES (Supply of servers , storage , networking devices and security devices, etc.) for last two years as on date of bidding".</u>		No Change
33	MDP Infra	CHAPTER-VI Eligibility and Bid Evaluation/6. 2 Pre- Qualification/ Eligibility Criteria /Page no. 38		4. The Bidder should have an average annual turnover of at least INR 30 Crore from IT/ ITES services mentioned in Serial number 2 of Pre- Qualification/Eligibility Criteria during the last three financial years i.e. 2018-19, 2019-20 & 2020-21 respectively, with net profit and positive net-worth.	We request you to please amend the clause and ask for" <u>The bidder shall be having Average Annual turnover of atleast INR 30 Crore for the last three years ending 31.03.2021 and should be in the business of IT & ITES for last two years as on date of bidding".</u>		No Change
34	MDP Infra	CHAPTER-VI Eligibility and Bid Evaluation/6. 2 Pre- Qualification/ Marking Matrix /Page no. 40		1. The bidders shall have minimum Technical manpower strength of 100 persons on its rolls at least for 3 years before the last date of submission of RFP. >=100 Engineers and <150 = 5 Marks >=150 and <200 = 10 Marks >200 Engineers = 15 Marks	We request you to please amend the clause -- " The bidders shall have minimum Technical manpower strength of 30 persons on its rolls before the last date of submission of RFP. >= 30 Engineers and <40 = 5 Marks >=40 and <50 = 10 Marks 50 Engineers = 15 Marks"		No Change

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35	MDP Infra	CHAPTER-VI Eligibility and Bid Evaluation/6. 2 Pre- Qualification/ Marking Matrix /Page no. 40		2. The bidder shall be in IT & ITES business for the last 7 years and shall have at least 7 years of experience as on as on the date 7 years of experience = 5 Marks 8 Years of experience = 10 Marks 9 years or more of experience = 15 Marks	We request you to please amend the clause - "The bidder shall be in IT & ITES business for the last 2 years and shall have at least 2 years of experience as on the date 2 years of experience = 10 Marks More than 2 Years of experience = 15 Marks"		No Change
36	MDP Infra	CHAPTER-VI Eligibility and Bid Evaluation/6. 2 Pre- Qualification/ Marking Matrix /Page no. 40		3. Experience of Setting Up big Campus Network* project in the last Seven financial years * Note 1: Setting up of Campus area Networking (Active and Passive components) and related security (NGFW/ equivalent) & monitoring system software (NMS, WLC) i. One Project of value more than Rs. 7 Crore - 8 Marks ii. One Project of value more than Rs. 12 Crore - 15 Marks iii. One Project of value more than Rs. 20 Crore – 20 Marks	We request you to please amend the clause -- "Experience of Setting Up big Campus Network* project / IT Data Centre Infra setup and And Maintenance in the past * Note 1: Setting up of Campus area Networking (Active and Passive components) and related security (NGFW/ equivalent) & monitoring system software (NMS, WLC) / IT Data center Infra and Maintenance i. One Project of value more than Rs. 5 Crore - 8 Marks ii. One Project of value more than Rs. 10 Crore - 15 Marks iii. One Project of value more than Rs. 15 Crore – 20 Marks"		No Change
37	MDP Infra	CHAPTER-VI Eligibility and Bid Evaluation/6. 2 Pre-		4. Bidder should have experience in maintaining at least two networks having 1000 nodes in the past seven financial years.	We request you to please amend the clause -- "Bidder should have experience in maintaining multi location IT users on different networks in the past " .		No Change

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		Qualification/ Marking Matrix /Page no. 40					
38	MDP Infra	CHAPTER-VI Eligibility and Bid Evaluation/6. 2 Pre-Qualification/ Marking Matrix /Page no. 40		5. Bidder shall have average annual turnover of Rs.30 Crore in the areas specified in all the items specified above put together, in the last three (3) financial years. >=Rs.30 Cr and <=Rs.50 Cr = 5 Marks >Rs.50 Cr and <=Rs.100 Cr = 10 Marks >Rs.100 Cr = 15 Marks	We reuest you to please amend the clause -- " Bidder shall have average annual turnover of Rs. 20 Crore in the last three (3) financial years. >=Rs.20 Cr and <=Rs.30 Cr = 5 Marks >Rs.30 Cr and <=Rs.50 Cr = 10 Marks >Rs.50 Cr = 15 Marks "		No Change
39	MDP Infra	Delivery Schedule- Page no. 30 - Delivery and Documents - page no.26		<u>Start of shipment of Hardware/ equipment within 2 weeks from the order date.</u> / 5.16 Delivery and Documents -Delivery/ Commissioning of all the goods at the <u>campus(es)</u> of NITIE should be made within a maximum of 10 weeks/15 weeks from the date of placement of LOI/LOA.	Please clarify the delivery schdeule .		Tender is Self Explanatory
40	MDP Infra	5.21 Warranty Services / Page no.28		I. The Selected Bidder is required to provide a next business day warranty service from OEM for the requisite ICT equipment and related Hardware supplied under the contract for a period of 3 years.	We request you to please amend the clause -- " The Selected Bidder is required to provide within a week warranty service from OEM for the requisite ICT equipment and related Hardware supplied under the contract for a period of 3 years "		No change

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41	MDP Infra	CHAPTER-VI Eligibility and Bid Evaluation/6. 2 Pre- Qualification/ Eligibility Criteria /Page no. 36		1. Consortium of companies/ firms is not allowed	We request you to please allow us to make consortium with one more company for better understanding of the project in all terms.		No change
42	R & M	19" IU SM LIU loaded with LC Duplex adapters		The enclosure must, have a sliding drawer for ease of reconfiguring fibres, and lockable, incorporates a heavy duty ball bearing slide mechanism, allowing easy access to fibres	Please remove lockable as rack already has the locking function .	The enclosure must, have a sliding drawer for ease of reconfiguring fibres, incorporates a heavy duty ball bearing slide mechanism, allowing easy access to fibres	As per corrigendum 1
43	R & M	19" IU SM LIU loaded with		The enclosure/LIU should have locks to secure all the fiber terminations & must	Please remove front cable management as this require more	The enclosure/	As per corrigendum 1

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		LC Duplex adapters		have front cable management to properly route patch cords.	front space and it decreases the depth of rack and creates issue for active equipment	LIU should have locks to secure all the fiber terminations .	
44	R & M	24 PORT JACK PANEL UNLOADED		Have port identification numbers on the front of the panel. Equipped with 4 cassettes (6 or 12 ports) & Cassettes removed automatically by simply pressing the button on the front.	Please remove 4 cassette and mention capacity of panel	Have port identification numbers on the front of the panel. Equipped with 4 cassettes (6 or 12 ports) /24 slots & in case of Cassettes should be removed automatically by simply pressing the button on the front.	As per corrigendum 1

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45	R & M	INFORMATION OUTLET for FACE PLATE AND PATCH PANEL SIDE		568A/B configuration & Color options in jacks should be available	Allow for option for color coding clip as metallic shielded jacks are not available in different colors	568A/B configuration & Color options in color coding clips should be available	As per corrigendum 1
46	Everest	<u>Annexure XVIII:</u> <u>NMS</u>	112	The OEM shall be consistently present in Leaders quadrant of Gartner's Magic Quadrant for Wired and Wireless LAN Access Infrastructure for the last three years (2020,2019 and 2018).	Request you to either remove this clause or make an exception for Make in India OEM. As per latest order from DPIIT there should not be any restrictive clause which will prevent Make in India OEM's to participate.		No Change
47	Everest	<u>Annexure XVIII:</u> <u>NMX</u>	112	Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management	This is a vendor specific point. Request you to make it more generic by allowing products from different OEM's or delete this point		No Change
48	Everest	<u>Annexure XVIII:</u> <u>Core Switch</u>	101	Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management	This is a vendor specific point. Request you to make it more generic by allowing products from different OEM's or delete this point		No Change
49	Everest	<u>Annexure XVIII:</u> <u>Distribution Switch</u>	102	Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management	This is a vendor specific point. Request you to make it more generic by allowing products from different OEM's or delete this point		No Change
50	Everest	<u>Annexure XVIII:</u> <u>48 Port</u>	103	Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management	This is a vendor specific point. Request you to make it more generic by allowing products from different OEM's or delete this point		No Change

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		<u>PoE/PoE+/Non PoE</u>					
51	Everest	<u>Annexure XVIII: 24 Port Switch Non PoE/PoE/PoE+</u>	104	Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management	This is a vendor specific point. Request you to make it more generic by allowing products from different OEM's or delete this point		No Change
52	Everest	<u>Annexure XVIII: 12 Port Non PoE/PoE/PoE+</u>	105	Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management	This is a vendor specific point. Request you to make it more generic by allowing products from different OEM's or delete this point		No change
53	Everest	<u>Annexure XVIII: WLC</u>	1087	Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management	This is a vendor specific point. Request you to make it more generic by allowing products from different OEM's or delete this point		No change
54	Everest	<u>Annexure XVIII: AP Type 1</u>	108	Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management	This is a vendor specific point. Request you to make it more generic by allowing products from different OEM's or delete this point		No change
55	Everest	<u>Annexure XVIII: AP Type 2</u>	108	Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management	This is a vendor specific point. Request you to make it more generic by allowing products from different OEM's or delete this point		No change
56	Everest	<u>Annexure XVIII: AP Type 3</u>	109	Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management	This is a vendor specific point. Request you to make it more generic by allowing products from different OEM's or delete this point		No change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
57	Velocis	5.16	26	Delivery/ Commissioning of all the goods at the campus(es) of NITIE should be made within a maximum of 10 weeks/15 weeks from the date of placement of LOI/LOA.	Delivery period must not be less than 24-25 weeks/ 180-200 days. Delivery are delayed due to shortage of semi-conductors and Covid situations world wide.		As per corrigendum 1
58	Velocis	5.18	27	The timely delivery is the essence of this tender. Liquidated damages will be applicable at the rate of one percent (1%) per week or part thereof for undelivered portion of ICT components subject to a maximum of 10% of the cost of Purchase order for any reason whatsoever attributed to failure of tenderer. EdCIL will have the right to cancel the order, place order on alternative source besides levying the liquidated damages as above.	The LD will be applicable @ rate of 1% per week or part thereof for the undelivered portion of ICT components subject to a maximum of 5% of the cost of PO due to logistics is supply chain being very much uncertain and unpredictable due to covid pandemic condition world wide		No change
59	Velocis	4	19	Scope of Work INTRODUCTION	The material supplied through this tender should easily be integrated with the current/ existing network for investment protection. This clause should be introduced to protect the investment already made.		No change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
60	Velocis	6	40	<p>Experience of Setting Up big Campus Network* project in the last Seven financial years</p> <p>i. One Project of value more than Rs. 7 Crore - 8 Marks ii. One Project of value more than Rs. 12 Crore - 15 Marks iii. One Project of value more than Rs. 20 Crore – 20 Marks</p>	<p>This marking must be as per sr. no. 3 page no. 37. As per the Govt. guidelines: i) Average Annual financial turnover during the last 3 years, ending 31st March of the previous financial year should be at least 30% of the estimated cost. ii) Experience of having successfully completed similar works during last 7 years ending last day of month previous to the one in which applications are invited should be either of the following. Three similar completed works costing not less than the amount equal to 40% of the estimated cost. Or Two similar completed works costing not less than the amount equal to 50% of the estimated cost. Or One similar completed works costing not less than the amount equal to 80% of the estimated cost</p>		No change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
61	Velocis	Annexure XVIII Equipment Specification and Compliance	98 of 127	UTM Firewall - Clause 7 The proposed firewall should support min. - Firewall Throughput - 36Gbps, NGFW throughput - 9Gbps, IPS Throughput - 9Gbps Concurrent sessions - 08Million, IPSec VPN throughput of 8.5Gbps New sessions per second - 98K	For the overall performance requirement for the UTM firewall, request you to please increase the NGFW and IPS throughput to atleast 18Gbps Request you to please amend the clause as - "The proposed firewall should support min. - Firewall Throughput - 36Gbps, NGFW throughput - 18Gbps, IPS Throughput - 18Gbps Concurrent sessions - 08Million, IPSec VPN throughput of 8.5Gbps New sessions per second - 98K."		No change
62	Velocis	Annexure XVIII Equipment Specification and Compliance	99 of 127	Core Switch - Clause 10 - 2. Basic IPv4 and IPv6 Static Routing, OSPF, BGP, ECMP, VXLAN and EVPN, Host Routes, PIM SM/DM multicast, Virtual Interfaces, Routed Interfaces, Route Only and Routing between directly connected subnets from day 1.	From security standpoint - it is important to safeguard the network and its communication using 802.1AE, MACsec Key Agreement (MKA) protocol provide secure communications on Ethernet links using strong encryption. It Provides integrity checking to help ensure that data cannot be modified in transit. Please amend the clause as - "2. Basic IPv4 and IPv6 Static Routing, OSPF, BGP, ECMP, VXLAN and EVPN, Host Routes, PIM SM/DM multicast, Virtual Interfaces, Routed Interfaces, Route Only and Routing between directly connected subnets and MACSec from day 1"		No change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
63	Velocis	Annexure XVIII Equipment Specification and Compliance	101 of 127	Distribution Switch - Clause 9-2. Basic IPv4 and IPv6 Static Routing, OSPF, BGP, ECMP, VXLAN and EVPN, Host Routes, PIM SM/DM multicast, Virtual Interfaces, Routed Interfaces, Route Only and Routing between directly connected subnets from day 1.	From security standpoint - it is important to safeguard the network and its communication using 802.1AE, MACsec Key Agreement (MKA) protocol provide secure communications on Ethernet links using strong encryption. It Provides integrity checking to help ensure that data cannot be modified in transit. Please amend the clause as - "2. Basic IPv4 and IPv6 Static Routing, OSPF, BGP, ECMP, VXLAN and EVPN, Host Routes, PIM SM/DM multicast, Virtual Interfaces, Routed Interfaces, Route Only and Routing between directly connected subnets and MACSec from day 1"		No change
64	Velocis	Annexure XVIII Equipment Specification and Compliance	102 of 127	Access Switch - 48 Port PoE/PoE+/Non PoE Clause 1 Type 2: 48-Port 10/100/1000 Mbps PoE/PoE+, 4 x 1G/10G SFP+ slots	In the current design ask the WiFi6 APs are restricted only on 1G port speed at the access switch level. Since the APs asked in the RFP are WiFi6, we suggest you should ask for few mGig ports in the access switches. This will enable the WiFi-6 APs to provide better user throughput and performance. Request you to please amend the clause as - "Type 2: 48-Port 10/100/1000 Mbps PoE/PoE+ (with min. 8xmGig 1/2.5/5/10G PoE ports), 4 x 1G/10G SFP+ slots"		No change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
					this will help you with no performance degradations in the wireless network.		
65	Velocis	Annexure XVIII Equipment Specification and Compliance	102 of 127	Access Switch - 48 Port PoE/PoE+/Non PoE Clause 2 Should support up to 720 W PoE Budget	Referring clause no. 10 - "Switch Should have internal redundant power supplies with fan module from day one" Since you have asked for internal redundant power supply - requesting you to please ask the max. supported power budget of 1440W Requesting you to please amend the clause as - "Should support up to 1440 W PoE Budget"		As per corrigendum 1
66	Velocis	Annexure XVIII Equipment Specification and Compliance	103 of 127	Access Switch - 48 Port PoE/PoE+/Non PoE Clause 5 Stacking bandwidth: 40 Gbps or more	Requesting you to please amend the clause as - "Stacking bandwidth: 80Gbps or more"		No Change
67	Velocis	Annexure XVIII Equipment Specification and Compliance	103 of 127	Access Switch - 48 Port PoE/PoE+/Non PoE Clause 8 - The switch should support IPv4 and IPv6 Static Routing, RIP v1/v2, IPv4/v6 QOS/ACLs, IGMP V1/V2/V3, MLD V1/V2, IGMP and MLD snooping from day 1	From security standpoint - it is important to safeguard the network and its communication using 802.1AE, MACsec Key Agreement (MKA) protocol provide secure communications on Ethernet links using strong encryption. It Provides integrity checking to help ensure that data cannot be modified in transit. Please amend the clause as - "2. The switch should support IPv4 and IPv6 Static Routing, RIP v1/v2, IPv4/v6		No change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
					QOS/ACLs, IGMP V1/V2/V3, MLD V1/V2, IGMP and MLD snooping and MACSec from day 1"		
68	Velocis	Annexure XVIII Equipment Specification and Compliance	103 of 127	Access Switch - 48 Port PoE/PoE+/Non PoE - Clause 11 Each Switch should be loaded with one (1) 10G Direct Attached Cables (DAC) with a length of Three (3) Meters.	Please clarify the requirement of 1no. of 10G DAC cable (3m). As per our understanding this should be stacking cable. Please clarify.		10G DAC cable may be used for Stacking
69	Velocis	Annexure XVIII Equipment Specification and Compliance	103 of 127	Access Switch - 24 Port Switch Non PoE/PoE/PoE+ - clause 1 Type 2: 24-Port 10/100/1000 Mbps PoE/PoE+, 4 x 1G/10G SFP+ slots	Request you to please amend the clause as - "Type 2: 24-Port 10/100/1000 Mbps PoE/PoE+ (with min. 8xmGig 1/2.5/5/10G PoE ports), 4 x 1G/10G SFP+ slots"		No change
70	Velocis	Annexure XVIII Equipment Specification and Compliance	103 of 127	Access Switch - 24 Port Switch Non PoE/PoE/PoE+ - clause 3 - Should support minimum 370 W PoE Budget.	Requesting you to please amend the clause as - "Should support up to 740 W PoE Budget"		No Change
71	Velocis	Annexure XVIII Equipment Specification and Compliance	104 of 127	Access Switch - 24 Port Switch Non PoE/PoE/PoE+ - clause 5, Stacking Bandwidth : 40 Gbps or more;	Requesting you to please amend the clause as - "Stacking bandwidth: 80Gbps or more"		No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
72	Velocis	Annexure XVIII Equipment Specification and Compliance	104 of 127	Access Switch - 24 Port Switch Non PoE/PoE/PoE+ - clause 8, The switch should support IPv4 and IPv6 Static Routing, RIP v1/v2, IPv4/v6 QOS/ACLs, IGMP V1/V2/V3, MLD V1/V2, IGMP and MLD snooping from day 1	From security standpoint - it is important to safeguard the network and its communication using 802.1AE, MACsec Key Agreement (MKA) protocol provide secure communications on Ethernet links using strong encryption. It Provides integrity checking to help ensure that data cannot be modified in transit. Please amend the clause as - "2. The switch should support IPv4 and IPv6 Static Routing, RIP v1/v2, IPv4/v6 QOS/ACLs, IGMP V1/V2/V3, MLD V1/V2, IGMP and MLD snooping and MACSec from day 1"		No Change
73	Velocis	Annexure XVIII Equipment Specification and Compliance	104 of 127	Access Switch - 24 Port Switch Non PoE/PoE/PoE+ - clause 5, Stacking Bandwidth : 40 Gbps or more;	Here, in the 24 port access switches, there's no requirement specified in the specs for DAC / stacking cable as given in 48 port switch. We understand there shall be requirement of DAC/stacking cables for these switches as well. Please clarify.		No Change
74	Velocis	Annexure XVIII Equipment Specification and Compliance	107 of 127	AP - Type 1 - Clause 4, The access point should support installations on wall, Mounting Kit should be included from OEM.	Though the AP can be mounted on the wall, we strongly recommend to install the APs on the ceiling so as to get the optimal wireless coverage by using internal omni directional antennas. For the benefit of solution - we suggest you to please amend the clause as- "The access point should support		As per corrigendum 1

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
					installations on ceiling, Mounting Kit should be included from OEM."		
75	Velocis	Annexure XVIII Equipment Specification and Compliance	108 of 127	AP - Type 2 - Clause 1, It should be Dual-band 802.11abgn/ax, Wireless Indoor Access Point with Multi-Gigabit Ethernet backhaul, 4x4:4 streams in 5Ghz and 2x2:2 stream in 2.4Ghz, MU-MIMO."	Here, in the given specs, you have asked for 2x2:2 MIMO for 2.4Ghz whereas for 5Ghz - it has been asked as 4x4:4MIMO. To get the consistent performance for the user on any of the bands, we recommend you to go for 4x4MIMO on both the radios, so that there is no performance degradation. Request you to please amend the clause as - "It should be Dual-band 802.11abgn/ax, Wireless Indoor Access Point with Multi-Gigabit Ethernet backhaul, 4x4:4 streams in both 5Ghz & 2.4Ghz, MU-MIMO.""		As per corrigendum 1
76	Velocis	Annexure XVIII Equipment Specification and Compliance	108 of 127	AP - Type 2- Clause 2, It should provide minimum concurrent data rate of 3000 Mbps	We recommend to keep the min. data rate as 5000Mbps or 5Gbps Request you to please amend the clause as - "It should provide minimum concurrent data rate of 5000 Mbps"		No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
77	Velocis	Annexure XVIII Equipment Specification and Compliance	108 of 127	AP - Type 2 - Clause 3, It Should have minimum two (2) 1GbE RJ45 ports or 1x100,1000, 2500 Multigigabit Interface"	The AP has been asked with 1/100,1000,2500Mbps RJ45 multigig ports, however the access switches doesn't have provision for mGig ports we strongly recommend you to go with access switches that supports mgig ports. Please consider atleast 8x mGig ports in access switches so that you get optimal performance for wireless infrastructure.		No Change
78	Velocis	Annexure XVIII Equipment Specification and Compliance	109 of 127	AP - Type 3 - Clause 2, It should provide minimum concurrent data rate of 3500 Mbps.	Requesting you to please amend the clause as - "It should provide minimum concurrent data rate of 5000 Mbps."		No Change
79	Velocis	Annexure XVIII Equipment Specification and Compliance	109 of 127	AP Type 3, Clause 3 and Clause 5 It should be read as "It Should have minimum two (2) 1GbE RJ45 ports or 1x100,1000, 2500 Multigigabit Interface" & It should support Multi-Gigabit Ethernet backhaul and on-board BLE / Zigbee /IoT	Since the AP has been asked with mGig ports, however the access switches doesn't have provision for mgig connectivity. We strongly recommend you to go with access switches that supports mgig ports. Please consider atleast 8x mGig ports in access switches so that you get optimal performance for wireless infrastructure.		No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
80	Velocis	Annexure XVIII Equipment Specification and Compliance	111 of 127	NMS - Clause 10, Management tool should provide reporting features Reports should cover device connectivity, network health, capacity planning. A reporting wizard is also provided to generate scheduled and on-demand reports that highlight network and application health, throughput and usage data, device and client inventory and much more. Tool should have minimum 30 days of statistic and 90 days of reporting data.	Request you to please amend the clause as - "Management tool should provide reporting features Reports should cover device connectivity, network health, capacity planning. A reporting wizard is also provided to generate scheduled and on-demand reports that highlight network and application health, throughput and usage data, device and client inventory and much more. Overall solution with log server should have minimum 30 days of statistic and 90 days of reporting data."		As per corrigendum 1
81	Velocis	Annexure XVIII Equipment Specification and Compliance	114 of 127	Server Hardware - Clause 2 Supported CPU - Up to two 3rd Generation Intel® Xeon® Scalable processors with up to 40 cores per processor Support for up to 2 x 270W processors; Direct Liquid Cooling support.	Requesting you to please amend the clause as - "Up to two 3rd Generation Intel® Xeon® Scalable processors with up to 40 cores per processor Support for up to 2 x 270W processors."		As per corrigendum 1
82	Velocis	Annexure XVIII Equipment Specification and Compliance	114 of 127	Server Hardware - Clause 10, 4* 10G Ethernet ports - SFP+ Ports, 2 x 1GbE LOM + 1 x OCP 3.0	Requesting you to please amend the clauses as- "4* 10G SFP+ Ports, 2 x 1GbE LOM / 1 x OCP 3.0"		As per corrigendum 1

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
83	Velocis	Annexure XVIII Equipment Specification and Compliance	115 of 127	Server hardware - Clause 14, Configuration and Management - • Agent-free monitoring, driver updates & configuration, power monitoring & capping, RAID management, external storage management, monitoring of FC, HBA & CNA & system health	As per the solution ask, there is no external storage, moreover the server hardware can not provide external storage management. Requesting you to please amend the clause as - "• Agent-free monitoring, driver updates & configuration, power monitoring & capping, RAID management, monitoring of FC, HBA & CNA & system health."		As per corrigendum 1
84	Velocis	Annexure XVIII Equipment Specification and Compliance	115 of 127	Server Hardware - Clause 15 Configuration and management	We strongly recommend to add following management points in the server - so as to protect your environment - 1. The proposed management solution should provide proactive security & software advisory alerts and should outline the fixes required to address the issues. 2. The proposed management solution should analyze current configurations & identify potential issues due to driver & firmware incompatibility 3. Server management system should provide an alert in case the system is not part of OEM Hardware Compatibility list & should provide anti counterfeit.		No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
85	Velocis	Annexure XVIII Equipment Specification and Compliance	General Technical Point		<p>There is no specifications or requirement for the Network Access Control in the RFP.</p> <p>We strongly recommend the user identity based authentication, authorization and accounting (AAA) solution must to deployed in the campus environment so that users can get access to the network based on their identity and role by integrating the AAA/NAC solution with existing AD/LDAP as single source of truth.</p> <p>The AAA/NAC solution would be able to provide secure wired and wireless access in the network, 802.1x, MAB, Guest management, profiling of devices in the network, BYOD, device administration, posture validation etc.</p> <p>We see these features missing in the overall solution, thus strongly recommend to have NAC/AAA solution to be added in the requirement.</p>		No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
86	Takyon	Annexure XVIII Equipment Specification and Compliance	98 of 127	UTM Firewall - Clause 7 The proposed firewall should support min. - Firewall Throughput - 36Gbps, NGFW throughput - 9Gbps, IPS Throughput - 9Gbps Concurrent sessions - 08Million, IPSec VPN throughput of 8.5Gbps New sessions per second - 98K	For the overall performance requirement for the UTM firewall, request you to please increase the NGFW and IPS throughput to atleast 18Gbps Request you to please amend the clause as - "The proposed firewall should support min. - Firewall Throughput - 36Gbps, NGFW throughput - 18Gbps, IPS Throughput - 18Gbps Concurrent sessions - 08Million, IPSec VPN throughput of 8.5Gbps New sessions per second - 98K."		No Change
87	Takyon	Annexure XVIII Equipment Specification and Compliance	99 of 127	Core Switch - Clause 10 - 2. Basic IPv4 and IPv6 Static Routing, OSPF, BGP, ECMP, VXLAN and EVPN, Host Routes, PIM SM/DM multicast, Virtual Interfaces, Routed Interfaces, Route Only and Routing between directly connected subnets from day 1.	From security standpoint - it is important to safeguard the network and its communication using 802.1AE, MACsec Key Agreement (MKA) protocol provide secure communications on Ethernet links using strong encryption. It Provides integrity checking to help ensure that data cannot be modified in transit. Please amend the clause as - "2. Basic IPv4 and IPv6 Static Routing, OSPF, BGP, ECMP, VXLAN and EVPN, Host Routes, PIM SM/DM multicast, Virtual Interfaces, Routed Interfaces, Route Only and Routing between directly connected subnets and MACSec from day 1"		No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
88	Takyon	Annexure XVIII Equipment Specification and Compliance	101 of 127	Distribution Switch - Clause 9-2. Basic IPv4 and IPv6 Static Routing, OSPF, BGP, ECMP, VXLAN and EVPN, Host Routes, PIM SM/DM multicast, Virtual Interfaces, Routed Interfaces, Route Only and Routing between directly connected subnets from day 1.	From security standpoint - it is important to safeguard the network and its communication using 802.1AE, MACsec Key Agreement (MKA) protocol provide secure communications on Ethernet links using strong encryption. It Provides integrity checking to help ensure that data cannot be modified in transit. Please amend the clause as - "2. Basic IPv4 and IPv6 Static Routing, OSPF, BGP, ECMP, VXLAN and EVPN, Host Routes, PIM SM/DM multicast, Virtual Interfaces, Routed Interfaces, Route Only and Routing between directly connected subnets and MACSec from day 1"		No Change
89	Takyon	Annexure XVIII Equipment Specification and Compliance	102 of 127	Access Switch - 48 Port PoE/PoE+/Non PoE Clause 1 Type 2: 48-Port 10/100/1000 Mbps PoE/PoE+, 4 x 1G/10G SFP+ slots	In the current design ask the WiFi6 APs are restricted only on 1G port speed at the access switch level. Since the APs asked in the RFP are WiFi6, we suggest you should ask for few mGig ports in the access switches. This will enable the WiFi-6 APs to provide better user throughput and performance. Request you to please amend the clause as - "Type 2: 48-Port 10/100/1000 Mbps PoE/PoE+ (with min. 8xmGig 1/2.5/5/10G PoE ports), 4 x 1G/10G SFP+ slots"		No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
					this will help you with no performance degradations in the wireless network.		
90	Taky on	Annexure XVIII Equipment Specification and Compliance	102 of 127	Access Switch - 48 Port PoE/PoE+/Non PoE Clause 2 Should support up to 720 W PoE Budget	Referring clause no. 10 - "Switch Should have internal redundant power supplies with fan module from day one" Since you have asked for internal redundant power supply - requesting you to please ask the max. supported power budget of 1440W Requesting you to please amend the clause as - "Should support up to 1440 W PoE Budget"		As per corrigendum 1
91	Taky on	Annexure XVIII Equipment Specification and Compliance	103 of 127	Access Switch - 48 Port PoE/PoE+/Non PoE Clause 5 Stacking bandwidth: 40 Gbps or more	Requesting you to please amend the clause as - "Stacking bandwidth: 80Gbps or more"		No Change
92	Taky on	Annexure XVIII Equipment Specification and Compliance	103 of 127	Access Switch - 48 Port PoE/PoE+/Non PoE Clause 8 - The switch should support IPv4 and IPv6 Static Routing, RIP v1/v2, IPv4/v6 QOS/ACLs, IGMP V1/V2/V3, MLD V1/V2, IGMP and MLD snooping from day 1	From security standpoint - it is important to safeguard the network and its communication using 802.1AE, MACsec Key Agreement (MKA) protocol provide secure communications on Ethernet links using strong encryption. It Provides integrity checking to help ensure that data cannot be modified in transit. Please amend the clause as - "2. The switch should support IPv4 and IPv6 Static Routing, RIP v1/v2, IPv4/v6		No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
					QOS/ACLs, IGMP V1/V2/V3, MLD V1/V2, IGMP and MLD snooping and MACSec from day 1"		
93	Taky on	Annexure XVIII Equipment Specification and Compliance	103 of 127	Access Switch - 48 Port PoE/PoE+/Non PoE - Clause 11 Each Switch should be loaded with one (1) 10G Direct Attached Cables (DAC) with a length of Three (3) Meters.	Please clarify the requirement of 1no. of 10G DAC cable (3m). As per our understanding this should be stacking cable. Please clarify.		10G DAC cable may be used for Stacking
94	Taky on	Annexure XVIII Equipment Specification and Compliance	103 of 127	Access Switch - 24 Port Switch Non PoE/PoE/PoE+ - clause 1 Type 2: 24-Port 10/100/1000 Mbps PoE/PoE+, 4 x 1G/10G SFP+ slots	Request you to please amend the clause as - "Type 2: 24-Port 10/100/1000 Mbps PoE/PoE+ (with min. 8xmGig 1/2.5/5/10G PoE ports), 4 x 1G/10G SFP+ slots"		No Change
95	Taky on	Annexure XVIII Equipment Specification and Compliance	103 of 127	Access Switch - 24 Port Switch Non PoE/PoE/PoE+ - clause 3 - Should support minimum 370 W PoE Budget.	Requesting you to please amend the clause as - "Should support up to 740 W PoE Budget"		No Change
96	Taky on	Annexure XVIII Equipment Specification and Compliance	104 of 127	Access Switch - 24 Port Switch Non PoE/PoE/PoE+ - clause 5, Stacking Bandwidth : 40 Gbps or more;	Requesting you to please amend the clause as - "Stacking bandwidth: 80Gbps or more"		No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
97	Takyon	Annexure XVIII Equipment Specification and Compliance	104 of 127	Access Switch - 24 Port Switch Non PoE/PoE/PoE+ - clause 8, The switch should support IPv4 and IPv6 Static Routing, RIP v1/v2, IPv4/v6 QOS/ACLs, IGMP V1/V2/V3, MLD V1/V2, IGMP and MLD snooping from day 1	From security standpoint - it is important to safeguard the network and its communication using 802.1AE, MACsec Key Agreement (MKA) protocol provide secure communications on Ethernet links using strong encryption. It Provides integrity checking to help ensure that data cannot be modified in transit. Please amend the clause as - "2. The switch should support IPv4 and IPv6 Static Routing, RIP v1/v2, IPv4/v6 QOS/ACLs, IGMP V1/V2/V3, MLD V1/V2, IGMP and MLD snooping and MACSec from day 1"		No Change
98	Takyon	Annexure XVIII Equipment Specification and Compliance	104 of 127	Access Switch - 24 Port Switch Non PoE/PoE/PoE+ - clause 5, Stacking Bandwidth : 40 Gbps or more;	Here, in the 24 port access switches, there's no requirement specified in the specs for DAC / stacking cable as given in 48 port switch. We understand there shall be requirement of DAC/stacking cables for these switches as well. Please clarify.		No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
99	Taky on	Annexure XVIII Equipment Specification and Compliance	107 of 127	AP - Type 1 - Clause 4, The access point should support installations on wall, Mounting Kit should be included from OEM.	Though the AP can be mounted on the wall, we strongly recommend to install the APs on the ceiling so as to get the optimal wireless coverage by using internal omni directional antennas. For the benefit of solution - we suggest you to please amend the clause as- "The access point should support installations on ceiling, Mounting Kit should be included from OEM."		As per corrigendum 1
100	Taky on	Annexure XVIII Equipment Specification and Compliance	108 of 127	AP - Type 2 - Clause 1, It should be Dual-band 802.11abgn/ax, Wireless Indoor Access Point with Multi-Gigabit Ethernet backhaul, 4x4:4 streams in 5Ghz and 2x2:2 stream in 2.4Ghz, MU-MIMO."	Here, in the given specs, you have asked for 2x2:2 MIMO for 2.4Ghz whereas for 5Ghz - it has been asked as 4x4:4MIMO. To get the consistent performance for the user on any of the bands, we recommend you to go for 4x4MIMO on both the radios, so that there is no performance degradation. Request you to please amend the clause as - "It should be Dual-band 802.11abgn/ax, Wireless Indoor Access Point with Multi-Gigabit Ethernet backhaul, 4x4:4 streams in both 5Ghz & 2.4Ghz, MU-MIMO.""		As per corrigendum 1

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
101	Taky on	Annexure XVIII Equipment Specification and Compliance	108 of 127	AP - Type 2- Clause 2, It should provide minimum concurrent data rate of 3000 Mbps	We recommend to keep the min. data rate as 5000Mbps or 5Gbps Request you to please amend the clause as - "It should provide minimum concurrent data rate of 5000 Mbps"		No Change
102	Taky on	Annexure XVIII Equipment Specification and Compliance	108 of 127	AP - Type 2 - Clause 3, It Should have minimum two (2) 1GbE RJ45 ports or 1x100,1000, 2500 Multigigabit Interface"	The AP has been asked with 1/100,1000,2500Mbps RJ45 multigig ports, however the access switches doesn't have provision for mGig ports we strongly recommend you to go with access switches that supports mgig ports. Please consider atleast 8x mGig ports in access switches so that you get optimal performance for wireless infrastructure.		No Change
103	Taky on	Annexure XVIII Equipment Specification and Compliance	109 of 127	AP - Type 3 - Clause 2, It should provide minimum concurrent data rate of 3500 Mbps.	Requesting you to please amend the clause as - "It should provide minimum concurrent data rate of 5000 Mbps."		No Change
104	Taky on	Annexure XVIII Equipment Specification and Compliance	109 of 127	AP Type 3, Clause 3 and Clause 5 It should be read as "It Should have minimum two (2) 1GbE RJ45 ports or 1x100,1000, 2500 Multigigabit Interface" & It should support Multi-Gigabit	Since the AP has been asked with mGig ports, however the access switches doesn't have provision for mgig connectivity. We strongly recommend you to go with access switches that supports mgig ports. Please consider atleast 8x mGig ports in access switches so that you get optimal		No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
				Ethernet backhaul and on-board BLE / Zigbee /IoT	performance for wireless infrastructure.		
105	Taky on	Annexure XVIII Equipment Specification and Compliance	111 of 127	NMS - Clause 10, Management tool should provide reporting features Reports should cover device connectivity, network health, capacity planning. A reporting wizard is also provided to generate scheduled and on-demand reports that highlight network and application health, throughput and usage data, device and client inventory and much more. Tool should have minimum 30 days of statistic and 90 days of reporting data.	Request you to please amend the clause as - "Management tool should provide reporting features Reports should cover device connectivity, network health, capacity planning. A reporting wizard is also provided to generate scheduled and on-demand reports that highlight network and application health, throughput and usage data, device and client inventory and much more. Overall solution with log server should have minimum 30 days of statistic and 90 days of reporting data."		As per corrigendum 1
106	Taky on	Annexure XVIII Equipment Specification and Compliance	114 of 127	Server Hardware - Clause 2 Supported CPU - Up to two 3rd Generation Intel® Xeon® Scalable processors with up to 40 cores per processor Support for up to 2 x 270W processors; Direct Liquid Cooling support.	Requesting you to please amend the clause as - "Up to two 3rd Generation Intel® Xeon® Scalable processors with up to 40 cores per processor Support for up to 2 x 270W processors."		As per corrigendum 1
107	Taky on	Annexure XVIII Equipment Specification and Compliance	114 of 127	Server Hardware - Clause 10, 4* 10G Ethernet ports - SFP+ Ports, 2 x 1GbE LOM + 1 x OCP 3.0	Requesting you to please amend the clauses as- "4* 10G SFP+ Ports, 2 x 1GbE LOM / 1 x OCP 3.0"		As per corrigendum 1

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
108	Taky on	Annexure XVIII Equipment Specification and Compliance	115 of 127	Server hardware - Clause 14, Configuration and Management - • Agent-free monitoring, driver updates & configuration, power monitoring & capping, RAID management, external storage management, monitoring of FC, HBA & CNA & system health	As per the solution ask, there is no external storage, moreover the server hardware can not provide external storage management. Requesting you to please amend the clause as - "• Agent-free monitoring, driver updates & configuration, power monitoring & capping, RAID management, monitoring of FC, HBA & CNA & system health."		As per corrigendum 1
109	Taky on	Annexure XVIII Equipment Specification and Compliance	115 of 127	Server Hardware - Clause 15 Configuration and management	We strongly recommend to add following management points in the server - so as to protect your environment - 1. The proposed management solution should provide proactive security & software advisory alerts and should outline the fixes required to address the issues. 2. The proposed management solution should analyze current configurations & identify potential issues due to driver & firmware incompatibility 3. Server management system should provide an alert in case the system is not part of OEM Hardware Compatibility list & should provide anti counterfeit.		No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
110	Taky on	Annexure XVIII Equipment Specification and Compliance	General Technical Point		There is no specifications or requirement for the Network Access Control in the RFP. We strongly recommend the user identity based authentication, authorization and accounting (AAA) solution must to deployed in the campus environment so that users can get access to the network based on their identity and role by integrating the AAA/NAC solution with existing AD/LDAP as single source of truth. The AAA/NAC solution would be able to provide secure wired and wireless access in the network, 802.1x, MAB, Guest management, profiling of devices in the network, BYOD, device administration, posture validation etc. We see these features missing in the overall solution, thus strongly recommend to have NAC/AAA solution to be added in the requirement.		No Change
111	TIM Infra	Chapter-VIII / Annexure XVIII	Page 95 of 127/Minimum Technical Specification - Smart	The Racks should be minimum 2000mm 42U in height with 800mm Width and 1100mm Depth for Server & Networking application.	We request you to amend the clause as: The Racks should be minimum 2200mm 47U in height with 800mm Width and 1100mm Depth for Server & Networking application.		As per corrigendum 1

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
			Rack /1.4				
112	TIM Infra	Chapter-VIII / Annexure XVIII	Page 95 of 127/Minimum Technical Specification - Smart Rack /1.5	Power supply input: Dual Feed AC 230V/1P/50-60Hz.	We request to consider - Power supply input: Single Feed AC / 415V/3P/50-60Hz.		As per corrigendum 1
113	TIM Infra	Chapter-VIII / Annexure XVIII	Page 95 of 127/Minimum Technical Specification - Smart Rack /2.1	The Rack should support a static load of 1200 kg.	We request to consider - The Rack should support a static load of 1400 Kg on rack frame and 1000 Kg on 19" mounting angles.		No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
114	TIM Infra	Chapter-VIII / Annexure XVIII	Page 95 of 127/Minimum Technical Specification - Smart Rack /2.2	The Rack Front door shall have toughened Glass and Rear Metal Plain door with Multi Point Locking.	We request to consider – The Rack Front door shall have toughened Glass and Rear Metal split door		As per corrigendum 1
115	TIM Infra	Chapter-VIII / Annexure XVIII	Page 95 of 127/Minimum Technical Specification - Smart Rack /3.1	Space inside the cabinet to be suitably designed for optimum use of available space inside cabinet. Equipment area to be positioned at left and component mounting at right with proper air sealing. The Rack should have minimum 34U available usable Space.	We request to consider – Space inside the cabinet to be suitably designed for optimum use of available space inside cabinet. The Rack should have minimum 30U available usable Space.		As per corrigendum 1
116	TIM Infra	Chapter-VIII / Annexure XVIII	Page 95 of 127/Minimum Technical Specification - Smart	The Rack should have 4 Nos. 19" verticals equipment mounting angles with 'U' marking, screen printed	We request to consider – The Rack should be of 47 U 19" mounting type with minimum 2200 (Height) x 800 (Width) x 1100 (Depth) with cable entry provision from both top & bottom side		No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
			Rack /3.2				
117	TIM Infra	Chapter-VIII / Annexure XVIII	Page 95 of 127/Minimum Technical Specification - Smart Rack /3.3	The front and rear doors should be easily detachable and openable for ease of accessing.	Kindly remove as same applicable for conventional racks rather than the Smart rack application		As per corrigendum 1
118	TIM Infra	Chapter-VIII / Annexure XVIII	Page 95 of 127/Minimum Technical Specification - Smart Rack /5.1	Racks should be manufactured by ISO9001:2008, ISO14001:2004 & ISO 45001:2018 Certified company and should have proper EHS Policy.	We request to consider – Racks should be manufactured by ISO9001:2008, ISO14001:2004 , ISO 27001 & ISO 45001:2018 Certified company and should have proper EHS Policy.		No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
119	TIM Infra	Chapter-VIII / Annexure XVIII	Page 95 of 127/Minimum Technical Specification - Smart Rack /5.2	Manufacturing process shall comply with ROHS standards.	We request to consider – Manufacturing process shall comply with ISO Standards		As per corrigendum 1
120	TIM Infra	Chapter-VIII / Annexure XVIII	Page 95 of 127/Minimum Technical Specification - Smart Rack /6.1	The Rack shall have Energy Efficient Precision AC of 7KW. The same shall be Environmental Friendly R410A. The unit shall not occupy usable space of more than 8U height inside the Rack. The outdoor ambient temperature shall be in a range of -20°C ~ + 50°C.	We request to consider – The Rack shall have Energy Efficient Precision AC of 7KW. The same shall be Environmental Friendly R410A. The unit shall not occupy usable space of more than 9U height inside the Rack. The outdoor ambient temperature shall be in a range of 0°C ~ + 45°C.		As per corrigendum 1

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
121	TIM Infra	Chapter-VIII / Annexure XVIII	Page 95 of 127/Minimum Technical Specification - Smart Rack /6.2	The air-conditioning unit will have fans with backward-curved blades made from reinforced ultra-light and highly resistant polymer material. The motors are coupled directly to the fans (plug-fan), and are EC (Electronically Commuted) brushless motors: this technology allows continuous modulation of air flow-rate by continuously controlling fan speed via a 0-10V signal. Fan rotation speed can also be controlled directly on the user terminal, so as to allow adjustment of the flow-rate or external static pressure (ESP)	We request to consider – The air-conditioning unit will have EC fans with backward-curved blades . The motors are coupled directly to the fans (plug-fan), and are EC (Electronically Commuted) brushless motors: this technology allows continuous modulation of air flow-rate by continuously controlling fan speed via a 0-10V signal. Fan rotation speed can also be controlled directly on the user terminal, so as to allow adjustment of the flow-rate or external static pressure (ESP)		As per corrigendum 1
122	TIM Infra	Chapter-VIII / Annexure XVIII	Page 95 of 127/Minimum Technical Specification - Smart Rack /6.4	The fans are designed to allow “hot replacement” in the event of faults, i.e. an individual faulty fan can be replaced without having to stop the entire unit, thus reducing system down time	Kindly remove as seems to be OEM specific		As per corrigendum 1

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
123	TIM Infra	Chapter-VIII / Annexure XVIII	Page 96 of 127/Minimum Technical Specification - Smart Rack /9.1	In normal operating mode the screen should display unit number, temperature and relative humidity set points and actual, operating status.	We request to consider – Detailed Monitoring & Diagnostics thru Rack Data Unit ,1U rack mountable, with redundant power supplies & capable of single window monitoring of all the environmental & physical parameters (like temperature, humidity , UPS & cooling unit monitoring) of the rack through a single window dashboard over ethernet		No Change
124	TIM Infra	Chapter-VIII / Annexure XVIII	Page 96 of 127/Minimum Technical Specification - Smart Rack /9.1	The unit must have a large screen LCD display on controller with user friendly menus and minimum two level password protections.	We request to consider – The monitoring unit should continuously collect critical information from network connected devices such as UPS system, Cooling Units, temperature & humidity sensors, Door sensors, Water Leak sensor. Beacon & Buzzer-Sound and Flash Led Alarm. Based on pre-set parameters, automated email alerts are sent to the intended recipients		No Change
125	TIM Infra	Chapter-VIII / Annexure XVIII	Page 96 of 127/Minimum Technical Specification - Smart	Front & back LED Lights to be provided.	We request to consider – Status based LED light the Smart rack		No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
			Rack /10.1				
126	TIM Infra	Chapter-VIII / Annexure XVIII	Page 97 of 127/Minimum Technical Specification - Smart Rack /11 Power subsystem: 11.1	19" Rack Mountable Raw Power Distribution Panel with incomer breaker, energy meter, outgoing breakers for Cooling Units, UPS, Enclosure Light etc.	We request to consider – 19" Rack Mountable Raw Power Distribution Panel with incomer breaker, outgoing breakers for Cooling Units, UPS, Enclosure Light etc.		As per corrigendum 1
27	TIM Infra	Chapter-VIII / Annexure XVIII	88	CAT6A U/FTP / SFUTP Cable Category 6A 4 pair U/FTP LS0H cable shall be compliant with TIA/EIA-568-C.2	The decision to use shielded cables and unshielded cables depends on the environment in which they are being used. Due to multiple challenges ,grounding bonding considerations , special installation practices and high maintenance Shielded cables are only used in limited areas where high levels of external interference is encountered (such as power plants, inside hospitals (nearby X-ray, CT Scan etc.) and signaling / satellite equipment etc.) When using shielded cables, grounding of the complete channel is extremely		No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
					<p>important and has to be ensured. In the event, grounding of the channel is not done properly then the channel will radiate interference rather than mitigate the problem, in fact it will act like an antenna. Therefore it is extremely important to properly ground the channel (recommended on both sides).</p> <p>Shielded cable increase the cost , risk and overhead expenses so in such office environment its always recommended to use U/UTP cable to get best value added performance with safety and security (minimum risk) .</p> <p>Also U/UTP has an ease of installation, familiarity with the termination process, easier maintenance, no grounding issues, faster installation time, compliant with POE++ applications, etc.</p>		

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
128	TIM Infra	Chapter-VIII / Annexure XVIII	88	CAT6A U/FTP / SFUTP Cable Should be ETL/3P verified to TIA/EIA-568-C.2 Category 6A standard for 500MHz (ETL/3P certificate to be enclosed along with the bid)	Clause should be revised as Should be ETL/UL verified to TIA/EIA-568-C.2 Category 6A standard for 500MHz (ETL/3P certificate to be enclosed along with the bid) 3P lab is not a globally accepted LAB and is only a foreign region lab based out of Denmark.. No set up in India which is there in case of UL AND ETL and both are globally accepted labs.		As per Corrigendum 1
129	TIM Infra	Chapter-VIII / Annexure XVIII	88	CAT6A U/FTP / SFUTP Cable Third party report of Full Cat6A 3/4 Connector Channel/Performance Test should be enclosed along with the technical bid	Clause should be revised as Cat6A 4 Connector Channel Test from ETL or UL should be enclosed along with the technical bid		No Change
130	TIM Infra	Chapter-VIII / Annexure XVIII	88	CAT6A U/FTP / SFUTP Cable Jacket/ Sheath Type: LSOH (Low Smoke Zero Halogen) Cable should be certified by UL/3P	Should be revised as Jacket/ Sheath Type: LSZH (Low Smoke Zero Halogen) Cable should be certified by UL/ETL... as mentioned above 3P is not a globally accepted LAB		As per corrigendum 1
131	TIM Infra	Chapter-VIII / Annexure XVIII	88	CAT6A U/FTP / SFUTP Cable Weight LSOH per 500m reel:30kg	Should be revised as Weight LSZH per 500m/305m reel:30kg...weight clause and length clause should be removed as this varies from OEM to OEM		As per corrigendum 1

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
132	TIM Infra	Chapter-VIII / Annexure XVIII	89	24 PORT JACK PANEL UNLOADED Should be supplied with metallic integrated rear cable management shelf as for cable strain relief and neat cable dressing.	Should be revised as Should be supplied with metallic integrated rear cable management and panel should be intelligent upgradeable without removing Patch cords or without use of any special patch cords		No Change
133	TIM Infra	Chapter-VIII / Annexure XVIII	89	8. Panel shall be of shielded type. 9. The entire CAT6A Shielded Solution must be compliant with the latest ISO 11801 AMD 1 Class EA	Panel shall be unshielded type, the entire solution should be unshielded		No Change
134	TIM Infra	Chapter-VIII / Annexure XVIII	89	INFORMATION OUTLET for FACE PLATE AND PATCH PANEL SIDE Category 6A Shielded Jack shall be specifically designed for high- speed data transmission and must be compliant with latest ISO/IEC	Should be revised as Category 6A Shielded Jack shall be specifically designed for high- speed data transmission and must be compliant with latest ISO/IEC		No Change
135	TIM Infra	Chapter-VIII / Annexure XVIII	89	INFORMATION OUTLET for FACE PLATE AND PATCH PANEL SIDE The jack should be UL listed and ETL/3P Verified and Plastic Housing must be Polycarbonate, UL94V-0 rated	Clause should be revised as The jack should be PCB Based and UL/ETL and Plastic Housing must be Polycarbonate, UL94V-0 rated		As per corrigendum 1
136	TIM Infra	Chapter-VIII / Annexure XVIII	90	MOUNTING CORDS CAT 6A (2/3 meter) Should be covered by UL listed and ETL/3P certification program	Should be covered by UL/ETL		As per corrigendum 1
137	TIM Infra	Chapter-VIII / Annexure XVIII	90	The jacket of the patch cord must be LSZH.	Clause should be revised as The jacket of the patch cord must be LSZH and sheath should be as per flame rating standard IEC60332-3-22 or higher, IEC		No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
					61034-2, IEC 60754-2, Operational Temp: -20° to 60° Celsius		
138	Orbit	12 Port Non PoE/PoE/ PoE+	104 of 127	Switch Should support internal redundant power supply from day one	Kindly amend as "Switch Should support internal/External redundant power supply from day one"		As per corrigendum 1
139	Orbit	CAT6A U/FTP / SFUTP Cable	89	Third party report of Full Cat6A 3/4 Connector Channel/Performance Test should be enclosed along with the technical bid.	It should be UL or ETL only as 3 p don't have labs in indai		No Change
140	Orbit	24 PORT JACK PANEL UNLOADED	90	Have port identification numbers on the front of the panel.Equipped with 4 cassettes (6 or 12 ports) & Cassettes removed automatically by simply pressing the button on the front.	IT should be loaded with CAT 6 jack . Cassettes used for fiber LIU only		As per corrigendum 1
141	Orbit	INFORMATION OUTLET for FACE PLATE AND PATCH PANEL SIDE	90	The jack should be UL/ETL/3P Verified and Plastic Housing must be Polycarbonate, UL94V-0 rated.	It should be UL or ETL only as 3 p don't have labs in indai		No Change
142	Orbit	MOUNTING CORDS CAT 6A (2/3 meter)	91	Should be covered by UL listed and ETL/3P certification program.	request you to remove the 3 P as 3P Labs do not have presence in India		No Change
143	Orbit	General Query	23	The cabling plan has to be implemented and documented as per the EIA/TIA standards. The bidder has to submit a documentation schema along with the tender.	Kindly clarify which document needs to be submitted from OEM against this clause		The document schema has to be submitted by successful contender prior to starting of work.

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
144	Orbit	General Query	19	to learn existing backbone infrastructure of the client in a large perspective so that the procured components are fully compatible with existing network infrastructure.	Kindly share the brief scope & details of existing infrastructure		Bidder is advised to do site survey for better understanding.
145	Orbit	Server Software	116	Virtualization Operations & Reporting Additional specs to be added to make the solution more robust	The solution shall provide a unified management of performance, capacity and compliance for the proposed platform. It should have the capabilities for customization of dashboards and provide customized reports and also should provide the ability to provide ready reports and Dashboards for monitoring purposes with identification capability on over-sized, under-sized, right sizing, Idle and powered-off virtual workloads.		No Change
146	Orbit				The solution should allow achieve optimal workload management from initial deployment, ongoing rebalance, to retirement and reclamation with complete lifecycle management.		No Change
147	Orbit				The solution should provide Smart Alerts, Root-cause analysis, guided remediation, Self-learning analytics with Dynamic Thresholds and compliance standards to deliver recommendations, or trigger actions, that optimize performance and capacity and enforce configuration standards.		No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
148	Orbit				The solution should be able to aggregate and analyze all types of machine-generated log data, for example, application logs, network traces, configuration files, messages, performance data and system state dumps. The solution should have capabilities to perform Log retention and Log archival for future access. The operations Solution and Log Managemnt should have OOTB intergration		No Change
149	Orbit				The solution should provide infrastructure and operations analytics to eliminate time-consuming problem resolution processes through automated root cause analysis		No Change
150	Orbit	Form Factor	114	Max. 1U rack mounted with sliding rails			No Change
151	Orbit	Supported CPU	114	Up to two 3rd Generation Intel® Xeon® Scalable processors with up to 40 cores per processor Support for up to 2 x 270W processors; Direct Liquid Cooling support.	Up to two 3rd Generation Intel® Xeon® Scalable processors with up to 40 cores per processor Support for up to 2 x 270W processors; Direct Liquid Cooling support.		As per corrigendum 1
152	Orbit	Configured CPU	114	2* 28 Cores with clock speed of 2.0 GHz or better and with 42 MB cache or better			No Change
153	Orbit	Memory slots	114	Up to 16 x DDR4 RDIMMs	upto 32 DDR4 RDIMMS		No Change
154	Orbit	Memory configured	114	1024 GB populated with 64 GB RDIMMs 3200 MT/s			No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
155	Orbit	Disks supported	114	Up to 4 x 3.5" SAS/SATA HDD OR Up to 10 x 2.5" SAS/SATA HDD or SSD OR Up to 8 x 2.5" NVMe RAID	Up to 4 x 3.5" SAS/SATA HDD OR Up to 8 x 2.5" SAS/SATA HDD or SSD OR Up to 2 x 2.5" NVMe RAID		No Change
156	Orbit	Disks configured	114	2* 960GB SATA SSD Mixed Use 6Gbps 512 2.5in Hot-plug AG Drive, 3 DWPD drive			No Change
157	Orbit	RAID Controller	114	HW RAID Card.			No Change
158	Orbit	I/O slots	114	Up to 3 x PCIe Gen4 (x16/x8/x8)			No Change
159	Orbit	Ethernet ports	114	4* 10G SFP+ Ports, 2 x 1GbE LOM + 1 x OCP 3.0	4* 10G SFP+ Ports, 4 x 1GbE		As per corrigendum 1
160	Orbit	Fibre Channel Ports	114	2* 16 Gbps FC Ports			No Change
161	Orbit	Power Supply	114	Platinum rated redundant Hot plug Power Supplies with hot plug fans			No Change
162	Orbit	Pre-failure alert	114	Should provide predictive failure monitoring & proactive alerts of actual or impending component failure for fan, power supply, memory, CPU, RAID, NIC, HDD	Should provide predictive failure monitoring or proactive alerts of actual or impending component failure for fan, power supply, memory, CPU, RAID, NIC, HDD		No Change
163	Orbit	Configuration & management	114	<ul style="list-style-type: none"> • Real-time out-of-band hardware performance monitoring & alerting • Agent-free monitoring, driver updates & configuration, power monitoring & capping, RAID management, external storage management, monitoring of FC, HBA & CNA & system health • Out-of-band hardware & firmware inventory 	<ul style="list-style-type: none"> • Real-time out-of-band hardware performance monitoring & alerting • Agent-free monitoring, driver updates & configuration, power monitoring & capping, RAID management, external storage management of same OEM, monitoring of FC, HBA & CNA & system health • Out-of-band hardware & firmware 		No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
				<ul style="list-style-type: none"> • Zero-touch auto configuration to auto deploy a baseline server configuration profile 	inventory <ul style="list-style-type: none"> • Zero touch auto configuration to auto deploy a baseline server configuration profile 		
164	Orbit	Management (continued)	114	<ul style="list-style-type: none"> • Automated hardware configuration and Operating System deployment to multiple servers • Zero-touch repository manager and self-updating firmware system • Virtual IO management / stateless computing 	<ul style="list-style-type: none"> • Automated hardware configuration and Operating System deployment to multiple servers • Zero-touch repository manager and self-updating firmware system • Virtual IO management / stateless computing 		No Change
165	Orbit	LED / LCD panel	115	Should display system ID, status information and system error error code followed by descriptive text. LCD background should light up in different colours during normal system operation & error conditions.	Should display system ID status information and system error code followed by descriptive text. LED / LCD background should light up / Blink in different colours during normal system operation & error conditions.		No Change
166	Orbit	Server security	115	Should have a cyber resilient architecture for a hardened server design for protection, detection & recovery from cyber attacks			No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
167	Orbit		115	Should provide effective protection, reliable detection & rapid recovery using: <ul style="list-style-type: none"> - Signed firmware updates - Secure default passwords - Configuration and firmware drift detection - Persistent event logging including user activity - Secure alerting - Automatic BIOS recovery - Rapid OS recovery - System erase 	Should provide effective protection, reliable detection & rapid recovery using: <ul style="list-style-type: none"> - Signed firmware updates - Secure default passwords - Configuration and firmware drift detection - Persistent event logging including user activity - Secure alerting - Automatic BIOS recovery - Rapid OS recovery - System erase 		No Change
168	Orbit		115	Should provide system lockdown feature to prevent change (or “drift”) in system firmware image(s) & prevent malicious modification of server firmware			No Change
169	Orbit	Intrusion alert	115	Intrusion alert in case chassis cover being opened			No Change
170	Orbit	OS	115	Windows server 2019 Standard Edition with downgrade rights to 2016 R2 Std edition			No Change
171	Orbit	Warranty	115	3 years On-site comprehensive warranty with 24x7x365 remote hardware support. Post installation, 3-year product warranty should reflect in the support web site of the OEM.			No Change
172	Orbit	Cabling	116	Vendor has to provide required cables & transceiver and lay them to integrate all equipment supplied			No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
173	HFCL	General Clause		The bid doesn't comply with the public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. As it is a tender issued by government body, the PMA policy is very much applicable to this bid, and it is requested to include the PMA clause into the tender	Clause Inclusion		No Change
174	HFCL			The RFP does not mention the restriction on procurement from a bidder/OEM of a country which shares a land border with India as per guidelines published by Ministry of Finance, Department of Expenditure, Public Procurement division, dated 23-07-2020 and 08-02-2020 vide letter No. F. 18/37/2020-PPD.	Clause Inclusion		As per corrigendum 1
175	HFCL	VIII	104	The OEM shall be consistently present in Leaders quadrant of Gartner's Magic Quadrant for Wired and Wireless LAN Access Infrastructure for the last three years (2020,2019, and 2018).	This is a restrictive condition for local OEM as this is recognized by an international body, which may not be possible for the local OEMs. Request to remove clause.		No Change
176	HFCL	VIII	104	Switches, NMS and wireless equipment should be from same OEM for ease of integration and management	The various equipment's asked in the tender work on standard protocols, hence there won't be any issue in inter-operability. Moreover such clause would favor only those OEMs, that manufacture all the type of		No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
					equipments, hence decreasing the participation. Request to remove this clause.		
177	HFCL	VIII	105	Switches must support switch virtualization/stacking feature to extend the control plane across multiple active switches forming a single virtual switching fabric. Any modules/cables required for the same shall be provided from Day 1	Ideally the stacking feature in access switches is used as management stack and not the control stack. The control plane stacking is usually required in distribution / L3 or Core switches. Request to change the clause to below: "Should support Stacking of minimum 05 Switches or more in a stack or equivalent and should be configured with stacking ports from day 1."		No Change
178	HFCL	VIII	105	The OEM shall be consistently present in Leaders quadrant of Gartner's Magic Quadrant for Wired and Wireless LAN Access Infrastructure for the last three years (2020,2019, and 2018).	This is a restrictive condition for local OEM as this is recognized by an international body, which may not be possible for the local OEMs.		No Change
179	HFCL	VIII	105	Switches, NMS and wireless equipment should be from same OEM for ease of integration and management	The various equipments asked in the tender work on standard protocols, hence there won't be any issue in inter-operability. Moreover such clause would favor only those OEMs, that manufacture all the type of equipment's, hence decreasing the participation. Request to remove this clause.		No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
180	HFCL	VIII	102	Should have minimum: Type 1: 48-Port 10/100/1000 Mbps, 4 x 1G/10G SFP+ slots Type 2: 48-Port 10/100/1000 Mbps PoE/PoE+, 4 x 1G/10G SFP+ slots	Request to consider 2x24 Ports Switches as alternative to a 48-Port Switch. 2x24-Port Switches (using stacking) can be managed as a 48-Port switch virtually. In such a case the specs of 24-port switch to be applied.		No Change
181	HFCL	VIII	103	Each Switch should be loaded with one (1) 10G Direct Attached Cables (DAC) with a length of Three (3) Meters.	Kindly clarify the use case of the DAC cable, as this is usually used to connect servers, storage etc directly to the switches. As per the network connectivity diagram under scope of work, these 10G ports to be used as uplinks to connect to distribution, core switches. Kindly remove this clause if our understanding is correct.		No Change
182	HFCL	14	105	Guest Wireless: Must support internal and external web authentication	Guest Wireless: Must support internal and external web authentication using external AAA	The given functionality of authentication is generally a feature of an external Captive portal and AAA server, which is part of	No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						overall Wi-Fi solution. Hence we request to amend the clause to accommodate the complete solution with AAA server.	
183	HFCL	16	106	The OEM shall be consistently present in Leaders quadrant of Gartner's Magic Quadrant for Wired and Wireless LAN Access Infrastructure for the last three years (2020,2019 and 2018)	Clause Removal	The clause is restrictive and against PMA policy of DoT, Gol as it only permits foreign OEMs to participate in the tender. Furthermore, no such	No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						requirement is mentioned in TEC GR, the standard Indian specifications for Access Points that is being asked to referred by PMA policy. Hence, we request you to kindly remove this clause and allow local OEMs to participate in the tender.	
184	HFCL	17	106	Switches, NMS and wireless equipment should be from same OEM	Clause Removal	Generally Access	No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
				for ease of integration and management		Points and Wireless Controller are required to be from the same OEM as interoperability is not possible between the APs and Controller. However, the switches can be from any other OEM as interoperability between Wi-Fi system is possible with any OEM	

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						<p>Switch in the industry. Furthermore, this clause is restrictive and against the PMA policy by DoT, Gol. With respect to controller license, this clause will only enable few OEMs to participate in the bid. Therefore we request you kindly change the clause, and allow other</p>	

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						<p>OEMs to quote their products in the tender. Other OEMs can quote their products along with controller server and licenses. This will not only allow other OEMs to participate , but will also encourage fair competition. The final decision, hence, can be taken</p>	

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						on the basis of most cost competitive solution meeting the requirement	
185	HFCL	5	106	Access point should be IoT-ready with built in Bluetooth 5 or Zigbee support	Access point should be IoT-ready with built in/external Bluetooth 5 or Zigbee support	The use case for Zigbee and BLE is to facilitate the use of IoT enabled smart appliances , and support for the same should be asked for,as different models have either	As per corrigendum 1

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						<p>inbuilt or external radio for the same. The given specification is restrictive as only a few foreign OEM can comply with the same. Citing the same, we request you to amend the specification to permit more participation of OEMs.</p>	

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
186	HFCL	8	106	The OEM shall be consistently present in Leaders quadrant of Gartner's Magic Quadrant for Wired and Wireless LAN Access Infrastructure for the last three years (2020,2019 and 2018)	Clause Removal	The clause is restrictive and against PMA policy of DoT, GoI as it only permits foreign OEMs to participate in the tender. Furthermore, no such requirement is mentioned in TEC GR, the standard Indian specifications for Access Points that is being	No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						asked to referred by PMA policy. Hence, we request you to kindly remove this clause and allow local OEMs to participate in the tender.	
187	HFCL	9	107	Switches, NMS and wireless equipment should be from same OEM for ease of integration and management	Clause Removal	Generally Access Points and Wireless Controller are required to be from the same OEM as interoperability is not possible between	No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						<p>the APs and Controller. However, the switches can be from any other OEM as interoperability between Wi-Fi system is possible with any OEM Switch in the industry. Furthermore, this clause is restrictive and against the PMA policy by DoT, Gol. With</p>	

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						<p>respect to controller license, this clause will only enable few OEMs to participate in the bid. Therefore we request you kindly change the clause, and allow other OEMs to quote their products in the tender. Other OEMs can quote their products along with controller</p>	

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						server and licenses. This will not only allow other OEMs to participate , but will also encourage fair competition. The final decision, hence, can be taken on the basis of most cost competitive solution meeting the requirement	

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
188	HFCL	1	107	It should be Dual-band 802.11abgn/ax, Wireless Indoor Access Point with Multi-Gigabit Ethernet backhaul, 4x4:4 streams in 5Ghz and 2x2:2 stream in 2.4Ghz, MU-MIMO."	It should be Dual-band 802.11abgn/ax, Wireless Indoor Access Point with Multi-Gigabit Ethernet/SFP backhaul, 2x2:2 streams in 5Ghz and 2x2:2 stream in 2.4Ghz, MU-MIMO."	The Multi-Gigabit backhaul can be provided using Ethernet/SFP based port. This clause is OEM specific. Hence request you to amend the clause. Generally the available backhaul for educational institutions is up to 1 Gbps. Considering this a 2x2:2 access	As per corrigendum 1

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						point with a throughput of upto 1.78Gbps, is more than sufficient with respect to the available backhaul. This would also allow more OEMs to participate in the bidding process.	
189	HFCL	2	107	It should provide minimum concurrent data rate of 3000 Mbps	It should provide minimum concurrent data rate of 1.78 Gbps	Generally the available backhaul for educational institutions is up to 1 Gbps.	No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						Considering this a 2x2:2 access point with a throughput of upto 1.78Gbps, is more than sufficient with respect to the available backhaul. This would also allow more OEMs to participate in the bidding process.	

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
190	HFCL	6	107	The OEM shall be consistently present in Leaders quadrant of Gartner's Magic Quadrant for Wired and Wireless LAN Access Infrastructure for the last three years (2020,2019 and 2018)	Clause Removal	The clause is restrictive and against PMA policy of DoT, GoI as it only permits foreign OEMs to participate in the tender. Furthermore, no such requirement is mentioned in TEC GR, the standard Indian specifications for Access Points that is being	No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						asked to referred by PMA policy. Hence, we request you to kindly remove this clause and allow local OEMs to participate in the tender.	
191	HFCL	7	107	Switches, NMS and wireless equipment should be from same OEM for ease of integration and management	Clause Removal	Generally Access Points and Wireless Controller are required to be from the same OEM as interoperability is not possible between	No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						<p>the APs and Controller. However, the switches can be from any other OEM as interoperability between Wi-Fi system is possible with any OEM Switch in the industry. Furthermore, this clause is restrictive and against the PMA policy by DoT, Gol. With</p>	

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						<p>respect to controller license, this clause will only enable few OEMs to participate in the bid. Therefore we request you kindly change the clause, and allow other OEMs to quote their products in the tender. Other OEMs can quote their products along with controller</p>	

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						server and licenses. This will not only allow other OEMs to participate , but will also encourage fair competition. The final decision, hence, can be taken on the basis of most cost competitive solution meeting the requirement	

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
192	HFCL	1	108	It Should be Dual-band 802.11abgn/ax, Wi-Fi 6 AP that supports 4 spatial streams in 5GHz & 4 spatial stream in 2.4GHz. AP should support dual 5GHz (2.4GHz radio can be configurable to 5GHz mode)	It Should be Dual-band 802.11abgn/ax, Wi-Fi 6 AP that supports 2 spatial streams in 5GHz & 2 spatial stream in 2.4GHz.	Generally the available backhaul for educational institutions is up to 1 Gbps. Considering this a 2x2:2 access point with a throughput of upto 1.78Gbps, is more than sufficient with respect to the available backhaul. This would also allow more	No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						OEMs to participate in the bidding process. The dual 5 Ghz(configurable radio) is OEM specific clause. Hence request you to remove this clause.	
193	HFCL	2	108	It should provide minimum concurrent data rate of 3500 Mbps	Clause Removal	Generally the available backhaul for educational institutions is up to 1 Gbps. Considering this a 2x2:2	No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						access point with a throughput of upto 1.78Gbps, is more than sufficient with respect to the available backhaul. This would also allow more OEMs to participate in the bidding process.	

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
194	HFCL	5	108	Access point should be IoT-ready with built in Bluetooth 5 or Zigbee support	Access point should be IoT-ready with built in/external Bluetooth 5 or Zigbee support	The use case for Zigbee and BLE is to facilitate the use of IoT enabled smart appliances , and support for the same should be asked for,as different models have either inbuilt or external radio for the same. The given specificati on is restrictive as only a	As per corrigendum 1

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						few foreign OEM can comply with the same. Citing the same, we request you to amend the specification to permit more participation of OEMs.	

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
195	HFCL	7	108	The OEM shall be consistently present in Leaders quadrant of Gartner's Magic Quadrant for Wired and Wireless LAN Access Infrastructure for the last three years (2020,2019 and 2018)	Clause Removal	The clause is restrictive and against PMA policy of DoT, GoI as it only permits foreign OEMs to participate in the tender. Furthermore, no such requirement is mentioned in TEC GR, the standard Indian specifications for Access Points that is being	No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						asked to referred by PMA policy. Hence, we request you to kindly remove this clause and allow local OEMs to participate in the tender.	
196	HFCL	8	108	Switches, NMS and wireless equipment should be from same OEM for ease of integration and management	Clause Removal	Generally Access Points and Wireless Controller are required to be from the same OEM as interoperability is not possible between	No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						<p>the APs and Controller. However, the switches can be from any other OEM as interoperability between Wi-Fi system is possible with any OEM Switch in the industry. Furthermore, this clause is restrictive and against the PMA policy by DoT, Gol. With</p>	

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						<p>respect to controller license, this clause will only enable few OEMs to participate in the bid. Therefore we request you kindly change the clause, and allow other OEMs to quote their products in the tender. Other OEMs can quote their products along with controller</p>	

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						server and licenses. This will not only allow other OEMs to participate , but will also encourage fair competition. The final decision, hence, can be taken on the basis of most cost competitive solution meeting the requirement	

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
197	M2M	6.2.2	37	The bidder shall be in IT & ITES business for the last 7 years and shall have 7 years of experience as on date of floating of tender in all of the following areas: i. Supply and maintenance of servers and storage ii. Supply and maintenance of networking devices like, wireless Access Points with controller/ switches/routers/ NGFW. iii. Supply and maintenance of networking passive components like Optical fiber, cat 6/6a cable, Racks,UPS,	The bidder shall be in IT/ICT & ITES business for the last 5 years and shall have 5 years of experience as on date of floating of tender in any of the following areas: i. Supply and maintenance of servers and storage ii. Supply and maintenance of networking devices like, wireless Access Points with controller/ switches/routers/ NGFW. iii. Supply and maintenance of networking passive components like Optical fiber, cat 6/6a cable, Racks,UPS,		No Change
198	M2M	6.2	39	The bidders shall have minimum Technical manpower strength of 100 persons on its rolls at least for 3 years before the last date of submission of RFP	The bidders shall have minimum Technical manpower strength of 50 persons on its rolls at least for 3 years before the last date of submission of RFP		No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
199	M2M	6.2	39	<p>The bidder shall be in IT & ITES business for the last 7 years and shall have at least 7 years of experience as on as on the date of floating of tender in each of the following areas:</p> <p>i. Supply and maintenance of servers, storage</p> <p>ii. Supply and maintenance of networking devices like wireless Access Points with controller, switches, routers, Firewall etc.</p> <p>iii. Supply and maintenance of networking passive components like Optical fiber, cat 6/6a cable, Racks,UPS, * Minimum project value considered for evaluation should be more than 3 crores.</p>	<p>The bidder shall be in IT & ITES business for the last 5 years and shall have at least 5 years of experience as on as on the date of floating of tender in any of the following areas:</p> <p>i. Supply and maintenance of servers, storage</p> <p>ii. Supply and maintenance of networking devices like wireless Access Points with controller, switches, routers, Firewall etc.</p> <p>iii. Supply and maintenance of networking passive components like Optical fiber, cat 6/6a cable, Racks,UPS, * Minimum project value considered for evaluation should be more than 3 crores.</p>		No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
200	M2M	6.2	40	Experience of Setting Up big Campus Network* project in the last Seven financial years * Note 1: Setting up of Campus area Networking (Active and Passive components) and related security (NGFW/ equivalent) & monitoring system software (NMS, WLC)	Experience of Setting Up big Campus Network* project in the last Five financial years * Note 1: Setting up of Campus area Networking (Active and Passive components) and related security (NGFW/ equivalent) & monitoring system software (NMS, WLC)		No Change
201	M2M	6.2	40	Bidder should have experience in maintaining at least two networks having 1000 nodes in the past seven financial years	Bidder should have experience in maintaining at least two networks having 1000 nodes in the past Five financial years		No Change
202	Inspira	Notice Inviting Tender	7	10% of the total work value from the successful bidder. PBG is required to be submitted within 7 days from the date of issue of LOI/LOA as per Annexure-XI	With reference to the Office Memorandum vide OM No.F.9/4/2020-PPD dated 30 Dec'21 and OM dated 12 Nov'2020 performance security is limited to an extent of 3% of the contract value instead of 10%. Hence, we request you to kindly amend this clause as: 3% of the total work value from the successful bidder. PBG is required to be submitted within 15 days from the		Bidder is allowed to submit Performance Bank Guarantee equivalent to 3% of contract value to NITIE within 7 days from the date of receipt of Letter of Intent (LOI)/LOA.

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
					date of issue of LOI/LOA as per Annexure-XI		
203	Inspira	V; Scope of Work	31	<p>Measurement Start of shipment of Hardware/equipment</p> <p>Target Within 2 Weeks of issuance of Work Order.</p> <p>Penalty Penalty of 1% for every week, subject to a maximum of 10% of the relevant Milestone payment.</p>	<p>As you are aware that there is a global shortage of chip creating latency in the shipment and delivery of IT/Network equipment.</p> <p>Hence, we request you to kindly amend this clause as:</p> <p>Measurement Start of shipment of Hardware/equipment</p> <p>Target Within 6 Weeks of issuance of Work Order.</p> <p>Penalty Penalty of 0.5% for every week, subject to a maximum of 5% of the relevant Milestone payment.</p>		As per corrigendum 1
204	Inspira			<p>Measurement Delivery of Hardware/ equipment at NITIE</p> <p>Target Within 10 Weeks of issuance of Work Order.</p> <p>Penalty Penalty of 1% for every week, subject to a maximum of 10% of the relevant Milestone payment.</p>	<p>As you are aware that there is a global shortage of chip creating latency in the shipment and delivery of IT/Network equipment.</p> <p>Hence, we request you to kindly amend this clause as:</p> <p>Measurement Delivery of Hardware/ equipment at NITIE</p> <p>Target Within 14 Weeks of issuance of Work Order.</p> <p>Penalty</p>		As per corrigendum 1

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
					Penalty of 0.5% for every week, subject to a maximum of 5% of the relevant Milestone payment.		
205	Inspira			<p>Measurement Commissioning of all IT Hardware/ equipment.</p> <p>Target Within 15 weeks of issuance of Work Order.</p> <p>Penalty Penalty of 1% for every week, subject to a maximum of 10% of the relevant Milestone payment.</p>	<p>As you are aware that there is a global shortage of chip creating latency in the shipment and delivery of IT/Network equipment.</p> <p>Hence, we request you to kindly amend this clause as:</p> <p>Measurement Commissioning of all IT Hardware/ equipment.</p> <p>Target Within 24 weeks of issuance of Work Order.</p> <p>Penalty Penalty of 0.5% for every week, subject to a maximum of 5% of the relevant Milestone payment.</p>		As per corrigendum 1

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
206	Inspira		12	Similar type of work means Design, Planning, Supply, Installation, Testing, Commissioning and Maintenance of LAN System Work as mentioned in the tender document elsewhere	Clause No-2 of the Pre-Qualification/Eligibility Criteria is not in line with the definition of Similar type of work mentioned in Term of Reference & Definitions in Chapter-II. We request you to kindly amend the clause No-2 of the eligibility criteria as: The bidder shall be in IT & ITES business for the last 7 years and shall have 7 years of experience as on date of floating of tender in all of the following areas: i. Supply and maintenance of networking devices like, wireless Access Points with controller/ switches/routers/ NGFW. ii. Supply and maintenance of networking passive components like Optical fiber, cat 6/6a cable, Racks,UPS,		No Change
207	Inspira		38	The Bidder should have an average annual turnover of at least INR 30 Crore from IT/ ITES services mentioned in Serial number 2 of Pre-Qualification/Eligibility Criteria during the last three financial years i.e. 2018-19, 2019-20 & 2020-21 respectively, with net profit and positive net-worth.	As per our understanding turnover from IT/ITES business is asked in the RFP and not only from IT/ITES services. Kindly confirm. We request you to kindly amend this clause as: The Bidder should have an average annual turnover of at least INR 30 Crore from IT/ ITES business during the last three financial years i.e. 2018-19,		no change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
					2019-20 & 2020-21 respectively, with net profit and positive net-worth.		
208	Inspira	5.14 BoQ	26	Quantity mentioned in below bill of materials is the minimum quantity, which bidder must provide. Bidder is not allowed to propose quantity less than the quantity mentioned in the BOM. However, the bidder is free to increase the quantity to meet the solution functionality as per its Technical Proposal. Bidder shall be paid for lower of actual number of items installed and the number quoted in the bid.	As per our understanding, successful bidder has to submit a revised Bill of Material (BoM) after site survey post award of contract. And in case of increase in the quantity of any item, then EDCIL/NITIE will make payment for that quantity as well. Kindly confirm.		tender is self explanatory
209	Inspira	NA	NA	NA	Limitation of Liability Nothing is mentioned about the liability of bidder in this RFP. We request you to kindly confirm that liability of successful bidder will be limited to the value of contract only.		tender is self explanatory
210	Inspira	12 Port Non PoE/PoE/PoE+	104 of 127	Switch Should support internal redundant power supply from day one	Kindly amend as "Switch Should support internal/External redundant power supply from day one"		As per corrigendum 1

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
211	Inspira	Network Plan	21	All passive networking components shall be covered under replacement warranty for 3 years from the OEM and thereafter 3 years AMC (responsibility of AMC service provider). Bidder must submit the OEM contract warranty copy (or certification from OEM that the product offered to the respective SI are with 3 years warranty.)	Passive Items will be under warranty for 6 years but the replacement will be done only for Manufacturing issues of the product.		no change
212	Inspira	Notice Inviting Tender	NA	General query	Please share the SAN Storage specs, as we understand to create multiple VM's shared storage would be required		Specifications as per the tender document.
213	Inspira		25 (5.11)	All the cabling (optical fiber & copper) as well as networking; already installed and to be installed in NITIE premises shall be taken care by successful bidder in terms of day to day proper working and maintenance. The wholesome proper working of NITIE's networking infrastructure shall be the sole responsibility of successful bidder throughout the complete tenure of project	We request you to share the make and warranty status of OFC and other cabling items. Since, it will incur additional cost warranty has been expired for the OFC and cables. Kindly confirm what other scope of work regarding Maintenance of existing Network related to Passive Networking part from Buy back items		OFC: cables should be compatible to the next generation computing requirement. The uniform cabling of CAT6 is required in the campus and same is proposed in the tender document. The CAT5 cables will

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
							be replaced by CAT6 cables. To meet the technical specifications and network requirement, the maintenance of passive components shall be carried out as per the terms and conditions of the tender document.
214	Inspira	VII	45	Payment terms	We request to kindly amend the payment terms as: a. 80% against delivery b. 20% against installation/commissioning c. quaterly payment for AMC and Onsite Manpower		no change
215	Inspira		47	Payments will be done only on the back to back basis on receipt of the relatednpayment/funds from the end client, subject to satisfactory acceptance of the deliverables from the end client as per the submission of the required document.	We request you to kindly confirm that the budget has been allocated for this project. As per our understanding payment will be made to the successful bidder as per the payment terms of RFP annd subsequent corrigendum (if any). We also request		Terms and condition of tender shall prevail

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
					you to kindly release the payment within 30 days from the date of submission of invoice.		
216	PSR	5.16	26	Delivery/ Commissioning of all the goods at the campus(es) of NITIE should be made within a maximum of 10 weeks/15 weeks from the date of placement of LOI/LOA.	Delivery period must not be less than 25-26 weeks/ 180-220 days. Delivery are delayed due to shortage of semi-conductors and Current Pandemic situation due to corona.		As per corrigendum 1
217	PSR	5.18	27	The timely delivery is the essence of this tender. Liquidated damages will be applicable at the rate of one percent (1%) per week or part thereof for undelivered portion of ICT components subject to a maximum of 10% of the cost of Purchase order for any reason whatsoever attributed to failure of tenderer. EdCIL will have the right to cancel the order, place order on alternative source besides levying the liquidated damages as above.	The LD will be applicable @ rate of 2% per week or part thereof for the undelivered portion of ICT components subject to a maximum of 6% of the cost of PO due to logistics is supply chain being very much uncertain and unpredictable due to covid world wide.		no change
218	PSR	4	19	Scope of Work INTRODUCTION	The material supplied through this tender should easily be integrated with the current/ existing network for investment protection. This clause should be introduced to protect the investment already made.		no change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
219	PSR	6	40	<p>Experience of Setting Up big Campus Network* project in the last Seven financial years</p> <p>i. One Project of value more than Rs. 7 Crore - 8 Marks ii. One Project of value more than Rs. 12 Crore - 15 Marks iii. One Project of value more than Rs. 20 Crore – 20 Marks</p>	<p>This marking must be as per sr. no. 3 page no. 37. As per the Govt. guidelines: i) Average Annual financial turnover during the last 3 years, ending 31st March of the previous financial year should be at least 30% of the estimated cost.</p> <p>ii) Experience of having successfully completed similar works during last 7 years ending last day of month previous to the one in which applications are invited should be either of the following.</p> <p>Three similar completed works costing not less than the amount equal to 40% of the estimated cost.</p> <p>Or</p> <p>Two similar completed works costing not less than the amount equal to 50% of the estimated cost.</p> <p>Or</p> <p>One similar completed works costing not less than the amount equal to 80% of the estimated cost</p>		no change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
220	PSR	Annexure XVIII Equipment Specification and Compliance	98 of 127	UTM Firewall - Clause 7 The proposed firewall should support min. - Firewall Throughput - 36Gbps, NGFW throughput - 9Gbps, IPS Throughput - 9Gbps Concurrent sessions - 08Million, IPSec VPN throughput of 8.5Gbps New sessions per second - 98K	For the overall performance requirement for the UTM firewall, request you to please increase the NGFW and IPS throughput to atleast 18Gbps Request you to please amend the clause as - "The proposed firewall should support min. - Firewall Throughput - 36Gbps, NGFW throughput - 18Gbps, IPS Throughput - 18Gbps Concurrent sessions - 08Million, IPSec VPN throughput of 8.5Gbps New sessions per second - 98K."		no change
221	PSR	Annexure XVIII Equipment Specification and Compliance	99 of 127	Core Switch - Clause 10 - 2. Basic IPv4 and IPv6 Static Routing, OSPF, BGP, ECMP, VXLAN and EVPN, Host Routes, PIM SM/DM multicast, Virtual Interfaces, Routed Interfaces, Route Only and Routing between directly connected subnets from day 1.	From security standpoint - it is important to safeguard the network and its communication using 802.1AE, MACsec Key Agreement (MKA) protocol provide secure communications on Ethernet links using strong encryption. It Provides integrity checking to help ensure that data cannot be modified in transit. Please amend the clause as - "2. Basic IPv4 and IPv6 Static Routing, OSPF, BGP, ECMP, VXLAN and EVPN, Host Routes, PIM SM/DM multicast, Virtual Interfaces, Routed Interfaces, Route Only and Routing between directly connected subnets and MACSec from day 1"		no change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
222	PSR	Annexure XVIII Equipment Specification and Compliance	101 of 127	Distribution Switch - Clause 9-2. Basic IPv4 and IPv6 Static Routing, OSPF, BGP, ECMP, VXLAN and EVPN, Host Routes, PIM SM/DM multicast, Virtual Interfaces, Routed Interfaces, Route Only and Routing between directly connected subnets from day 1.	From security standpoint - it is important to safeguard the network and its communication using 802.1AE, MACsec Key Agreement (MKA) protocol provide secure communications on Ethernet links using strong encryption. It Provides integrity checking to help ensure that data cannot be modified in transit. Please amend the clause as - "2. Basic IPv4 and IPv6 Static Routing, OSPF, BGP, ECMP, VXLAN and EVPN, Host Routes, PIM SM/DM multicast, Virtual Interfaces, Routed Interfaces, Route Only and Routing between directly connected subnets and MACSec from day 1"		no change
223	PSR	Annexure XVIII Equipment Specification and Compliance	102 of 127	Access Switch - 48 Port PoE/PoE+/Non PoE Clause 1 Type 2: 48-Port 10/100/1000 Mbps PoE/PoE+, 4 x 1G/10G SFP+ slots	In the current design ask the WiFi6 APs are restricted only on 1G port speed at the access switch level. Since the APs asked in the RFP are WiFi6, we suggest you should ask for few mGig ports in the access switches. This will enable the WiFi-6 APs to provide better user throughput and performance. Request you to please amend the clause as - "Type 2: 48-Port 10/100/1000 Mbps PoE/PoE+ (with min. 8xmGig 1/2.5/5/10G PoE ports), 4 x 1G/10G SFP+ slots"		no change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
					this will help you with no performance degradations in the wireless network.		
224	PSR	Annexure XVIII Equipment Specification and Compliance	102 of 127	Access Switch - 48 Port PoE/PoE+/Non PoE Clause 2 Should support up to 720 W PoE Budget	Referring clause no. 10 - "Switch Should have internal redundant power supplies with fan module from day one" Since you have asked for internal redundant power supply - requesting you to please ask the max. supported power budget of 1440W Requesting you to please amend the clause as - "Should support up to 1440 W PoE Budget"		As per corrigendum 1
225	PSR	Annexure XVIII Equipment Specification and Compliance	103 of 127	Access Switch - 48 Port PoE/PoE+/Non PoE Clause 5 Stacking bandwidth: 40 Gbps or more	Requesting you to please amend the clause as - "Stacking bandwidth: 100 Gbps or more"		No Change
226	PSR	Annexure XVIII Equipment Specification and Compliance	103 of 127	Access Switch - 48 Port PoE/PoE+/Non PoE Clause 8 - The switch should support IPv4 and IPv6 Static Routing, RIP v1/v2, IPv4/v6 QOS/ACLs, IGMP V1/V2/V3, MLD V1/V2, IGMP and MLD snooping from day 1	From security standpoint - it is important to safeguard the network and its communication using 802.1AE, MACsec Key Agreement (MKA) protocol provide secure communications on Ethernet links using strong encryption. It Provides integrity checking to help ensure that data cannot be modified in transit. Please amend the clause as - "2. The switch should support IPv4 and IPv6 Static Routing, RIP v1/v2, IPv4/v6		No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
					QOS/ACLs, IGMP V1/V2/V3, MLD V1/V2, IGMP and MLD snooping and MACSec from day 1"		
227	PSR	Annexure XVIII Equipment Specification and Compliance	103 of 127	Access Switch - 48 Port PoE/PoE+/Non PoE - Clause 11 Each Switch should be loaded with one (1) 10G Direct Attached Cables (DAC) with a length of Three (3) Meters.	Please clarify the requirement of 1no. of 10G DAC cable (3m). Is this a stacking cable please clarify to us.		10G DAC cable may be used for stacking
228	PSR	Annexure XVIII Equipment Specification and Compliance	103 of 127	Access Switch - 24 Port Switch Non PoE/PoE/PoE+ - clause 1 Type 2: 24-Port 10/100/1000 Mbps PoE/PoE+, 4 x 1G/10G SFP+ slots	Request you to please amend the clause as - "Type 2: 24-Port 10/100/1000 Mbps PoE/PoE+ (with min. 8xmGig 1/2.5/5/10G PoE ports), 4 x 1G/10G SFP+ slots"		No Change
229	PSR	Annexure XVIII Equipment Specification and Compliance	103 of 127	Access Switch - 24 Port Switch Non PoE/PoE/PoE+ - clause 3 - Should support minimum 370 W PoE Budget.	Requesting you to please amend the clause as - "Should support up to 740 W PoE Budget"		No Change
230	PSR	Annexure XVIII Equipment Specification and Compliance	104 of 127	Access Switch - 24 Port Switch Non PoE/PoE/PoE+ - clause 5, Stacking Bandwidth : 40 Gbps or more;	Requesting you to please amend the clause as - "Stacking bandwidth: 80Gbps or more"		No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
231	PSR	Annexure XVIII Equipment Specification and Compliance	104 of 127	Access Switch - 24 Port Switch Non PoE/PoE/PoE+ - clause 8, The switch should support IPv4 and IPv6 Static Routing, RIP v1/v2, IPv4/v6 QOS/ACLs, IGMP V1/V2/V3, MLD V1/V2, IGMP and MLD snooping from day 1	From security standpoint - it is important to safeguard the network and its communication using 802.1AE, MACsec Key Agreement (MKA) protocol provide secure communications on Ethernet links using strong encryption. It Provides integrity checking to help ensure that data cannot be modified in transit. Please amend the clause as - "2. The switch should support IPv4 and IPv6 Static Routing, RIP v1/v2, IPv4/v6 QOS/ACLs, IGMP V1/V2/V3, MLD V1/V2, IGMP and MLD snooping and MACSec from day 1"		No Change
232	PSR	Annexure XVIII Equipment Specification and Compliance	104 of 127	Access Switch - 24 Port Switch Non PoE/PoE/PoE+ - clause 5, Stacking Bandwidth : 40 Gbps or more;	Here, in the 24 port access switches, there's no requirement specified in the specs for DAC / stacking cable as given in 48 port switch. We understand there shall be requirement of DAC/stacking cables for these switches as well. Please clarify.		No Change
233	PSR	Annexure XVIII Equipment Specification and Compliance	107 of 127	AP - Type 1 - Clause 4, The access point should support installations on wall, Mounting Kit should be included from OEM.	Though the AP can be mounted on the wall, we strongly recommend to install the APs on the ceiling so as to get the optimal wireless coverage by using internal omni directional antennas. For the benefit of solution - we suggest you to please amend the clause as- "The access point should support		As per corrigendum 1

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
					installations on ceiling, Mounting Kit should be included from OEM."		
234	PSR	Annexure XVIII Equipment Specification and Compliance	108 of 127	AP - Type 2 - Clause 1, It should be Dual-band 802.11abgn/ax, Wireless Indoor Access Point with Multi-Gigabit Ethernet backhaul, 4x4:4 streams in 5Ghz and 2x2:2 stream in 2.4Ghz, MU-MIMO."	Here, in the given specs, you have asked for 2x2:2 MIMO for 2.4Ghz whereas for 5Ghz - it has been asked as 4x4:4MIMO. To get the consistent performance for the user on any of the bands, we recommend you to go for 4x4MIMO on both the radios, so that there is no performance degradation. Request you to please amend the clause as - "It should be Dual-band 802.11abgn/ax, Wireless Indoor Access Point with Multi-Gigabit Ethernet backhaul, 4x4:4 streams in both 5Ghz & 2.4Ghz, MU-MIMO.""		As per corrigendum 1
235	PSR	Annexure XVIII Equipment Specification and Compliance	108 of 127	AP - Type 2- Clause 2, It should provide minimum concurrent data rate of 3000 Mbps	We recommend to keep the min. data rate as 5000Mbps or 5Gbps Request you to please amend the clause as - "It should provide minimum concurrent data rate of 5000 Mbps"		No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
236	PSR	Annexure XVIII Equipment Specification and Compliance	108 of 127	AP - Type 2 - Clause 3, It Should have minimum two (2) 1GbE RJ45 ports or 1x100,1000, 2500 Multigigabit Interface"	The AP has been asked with 1/100,1000,2500Mbps RJ45 multigig ports, however the access switches doesn't have provision for mGig ports we strongly recommend you to go with access switches that supports mgig ports. Please consider atleast 8x mGig ports in access switches so that you get optimal performance for wireless infrastructure.		No Change
237	PSR	Annexure XVIII Equipment Specification and Compliance	109 of 127	AP - Type 3 - Clause 2, It should provide minimum concurrent data rate of 3500 Mbps.	Requesting you to please amend the clause as - "It should provide minimum concurrent data rate of 5000 Mbps."		No Change
238	PSR	Annexure XVIII Equipment Specification and Compliance	109 of 127	AP Type 3, Clause 3 and Clause 5 It should be read as "It Should have minimum two (2) 1GbE RJ45 ports or 1x100,1000, 2500 Multigigabit Interface" & It should support Multi-Gigabit Ethernet backhaul and on-board BLE / Zigbee /IoT	Since the AP has been asked with mGig ports, however the access switches doesn't have provision for mgig connectivity. We strongly recommend you to go with access switches that supports mgig ports. Please consider atleast 8x mGig ports in access switches so that you get optimal performance for wireless infrastructure.		No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
239	PSR	Annexure XVIII Equipment Specification and Compliance	111 of 127	NMS - Clause 10, Management tool should provide reporting features Reports should cover device connectivity, network health, capacity planning. A reporting wizard is also provided to generate scheduled and on-demand reports that highlight network and application health, throughput and usage data, device and client inventory and much more. Tool should have minimum 30 days of statistic and 90 days of reporting data.	Request you to please amend the clause as - "Management tool should provide reporting features Reports should cover device connectivity, network health, capacity planning. A reporting wizard is also provided to generate scheduled and on-demand reports that highlight network and application health, throughput and usage data, device and client inventory and much more. Overall solution with log server should have minimum 30 days of statistic and 90 days of reporting data."		As per corrigendum 1
240	PSR	Annexure XVIII Equipment Specification and Compliance	114 of 127	Server Hardware - Clause 2 Supported CPU - Up to two 3rd Generation Intel® Xeon® Scalable processors with up to 40 cores per processor Support for up to 2 x 270W processors; Direct Liquid Cooling support.	Requesting you to please amend the clause as - "Up to two 3rd Generation Intel® Xeon® Scalable processors with up to 40 cores per processor Support for up to 2 x 270W processors."		As per corrigendum 1
241	PSR	Annexure XVIII Equipment Specification and Compliance	114 of 127	Server Hardware - Clause 10, 4* 10G Ethernet ports - SFP+ Ports, 2 x 1GbE LOM + 1 x OCP 3.0	Requesting you to please amend the clauses as- "4* 10G SFP+ Ports, 2 x 1GbE LOM / 1 x OCP 3.0"		As per corrigendum 1

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
242	PSR	Annexure XVIII Equipment Specification and Compliance	115 of 127	Server hardware - Clause 14, Configuration and Management - • Agent-free monitoring, driver updates & configuration, power monitoring & capping, RAID management, external storage management, monitoring of FC, HBA & CNA & system health	As per the solution ask, there is no external storage, moreover the server hardware can not provide external storage management. Requesting you to please amend the clause as - "• Agent-free monitoring, driver updates & configuration, power monitoring & capping, RAID management, monitoring of FC, HBA & CNA & system health."		As per corrigendum 1
243	PSR	Annexure XVIII Equipment Specification and Compliance	115 of 127	Server Hardware - Clause 15 Configuration and management	We strongly recommend to add following management points in the server - so as to protect your environment - 1. The proposed management solution should provide proactive security & software advisory alerts and should outline the fixes required to address the issues. 2. The proposed management solution should analyze current configurations & identify potential issues due to driver & firmware incompatibility 3. Server management system should provide an alert in case the system is not part of OEM Hardware Compatibility list & should provide anti counterfeit.		No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
244	PSR	Annexure XVIII Equipment Specification and Compliance	General Technical Point		There is no specifications or requirement for the Network Access Control in the RFP. We strongly recommend the user identity based authentication, authorization and accounting (AAA) solution must to deployed in the campus environment so that users can get access to the network based on their identity and role by integrating the AAA/NAC solution with existing AD/LDAP as single source of truth. The AAA/NAC solution would be able to provide secure wired and wireless access in the network, 802.1x, MAB, Guest management, profiling of devices in the network, BYOD, device administration, posture validation etc. We see these features missing in the overall solution, thus strongly recommend to have NAC/AAA solution to be added in the requirement.		No Change
245	Team Connectivity	5.16	26	Delivery and Documents : Delivery/ Commissioning of all the goods at the campus(es) of NITIE should be made within a maximum of 10 weeks/15 weeks from the date of placement of LOI/LOA. The successful bidder/supplier to provide absolute supply schedule within 7 days	Delivery timeline should be considered as 24 to 28 weeks from the date of firm purchase order, as the deliveries are impacted due to the world wide semiconductor shortages and pandemic situation		As per corrigendum 1

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
				from the receipt of LOI			
246	Team Connectivity	IV.	31	Delivery Schedule : Hardware delivery and installation timeline	We request to reconsider the hardware delivery timeline to 24 - 28 weeks and implementation timeline to be 12 weeks from the date of delivery of hardware as there will be dependencies to complete the implementation which can be out of our control and also remove the penalty clause		As per corrigendum 1

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
247	Team Connectivity	6.2	37	<p>6.2 Pre-Qualification/Eligibility Criteria The Bidder should have satisfactorily completed at least three work orders for similar type of work each costing not less than Rs. 3,00,00,000/- in any Govt. department/ institutes in the last five years (executed as on date of submission of bid). OR The Bidder should have satisfactorily completed at least two work orders for similar type of work each costing not less than Rs. 3,75,00,000/- in any Govt. department/ institutes in the last five years (executed as on date of submission of bid). OR The Bidder should have satisfactorily completed at least one work order for similar type of work costing not less than Rs. 6,00,00,000/- in any Govt. department/ institutes in the last five years (executed as on date of submission of bid).</p>	<p>The Bidder should have satisfactorily completed at least three work orders for similar type of work each costing not less than Rs. 3,00,00,000/- in ANY ORGANIZATION in the last five years (executed as on date of submission of bid). OR The Bidder should have satisfactorily completed at least two work orders for similar type of work each costing not less than Rs. 3,75,00,000/- in ANY ORGANIZATION in the last five years (executed as on date of submission of bid). OR The Bidder should have satisfactorily completed at least one work order for similar type of work costing not less than Rs. 6,00,00,000/- in ANY ORGANIZATION in the last five years (executed as on date of submission of bid).</p>		As per corrigendum 1

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
248	Team Connectivity	6.2	37	The bidder shall be in IT & ITES business for the last 7 years and shall have 7 years of experience as on date of floating of tender in all of the following areas: i. Supply and maintenance of servers and storage ii. Supply and maintenance of networking devices like, wireless Access Points with controller/ switches/routers/ NGFW. iii. Supply and maintenance of networking passive components like Optical fiber, cat 6/6a cable, Racks,UPS,	The bidder shall be in IT & ITES business for the last <u>5 years</u> and shall have <u>5 years</u> of experience as on date of floating of tender in all of the following areas: i. Supply and maintenance of servers and storage ii. Supply and maintenance of networking devices like, wireless Access Points with controller/ switches/routers/ NGFW. iii. Supply and maintenance of networking passive components like Optical fiber, cat 6/6a cable, Racks,UPS,		No change
249	Team Connectivity	6.2	39	The bidders shall have minimum Technical manpower strength of 100 persons on its rolls at least for 3 years before the last date of submission of RFP	The Bidder shall be a GOLD partner to the OEM having the right expertise for the said technology. Scoring on the total number of resources may not help as the resources to be deployed on NITIE project will vary so the scoring can be basis on the level of partnership with the OEM which is achieved post having the right expertise / skills and certifications in the organization.		No change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
250	Team Connectivity	6.2	37	The Bidder should have an average annual turnover of at least INR 30 Crore from IT/ ITES services mentioned in Serial number 2 of Pre-Qualification/Eligibility Criteria during the last three financial years i.e. 2018-19, 2019-20 & 2020-21 respectively, with net profit and positive net-worth.	The Bidder should have an average annual turnover of at least INR 30 Crore from IT/ ITES services for <u>the overall IT Networking Infrastructure including of Supply and maintenance of servers and storage, Supply and maintenance of networking devices like, wireless Access Points with controller/ switches/routers/ NGFW, Supply and maintenance of networking passive components like Optical fiber, cat 6/6a cable, Racks,UPS and not limited to any one product or technology</u> during the last three financial years i.e. 2018-19, 2019-20 & 2020-21 respectively, with net profit and positive net-worth.		No change
251	Team Connectivity	6.2	40	Bidder should have experience in maintaining at least two networks having 1000 nodes in the past seven financial years.	Bidder should have experience in maintaining at least two networks having <u>1000 nodes or any IT network devices</u> in the past seven financial years.		No change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
252	Team Connectivity	7.1	44	Payment Terms: 70%, 10% and 20%(three year)	<p><u>Request to revise the payment terms to x = 100% (x = payment against hardware and hardware amc) balance payment of implementaion can be released post successful implementation and onsite manpower support payment can be released annual in advance.</u></p> <p>remove the 20% clause as there is an PBG as well and if the 20% payment to be kep pending for 3 year's of stagerred payment then remove the PBG clause as the cash flow will be stuck in two different forms</p>		No change
253	Team Connectivity	7.1	44	Technical Manpower charges for on-site support during the warranty tenures.	To be paid annual in advance (As there is a PBG also which is reserved)		No change
254	Team Connectivity	7.1	44	AMC charges The payment shall be released at the end of 06 months	To be paid annual in advance (As there is a PBG also which is reserved)		No change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
255	Team Connectivity	Annexure XVIII Equipment Specification and Compliance	98 of 127	UTM Firewall - Clause 7 The proposed firewall should support min. - Firewall Throughput - 36Gbps, NGFW throughput - 9Gbps, IPS Throughput - 9Gbps Concurrent sessions - 08Million, IPSec VPN throughput of 8.5Gbps New sessions per second - 98K	For the overall performance requirement for the UTM firewall, request you to please increase the NGFW and IPS throughput to atleast 18Gbps Request you to please amend the clause as - "The proposed firewall should support min. - Firewall Throughput - 36Gbps, NGFW throughput - 18Gbps, IPS Throughput - 18Gbps Concurrent sessions - 08Million, IPSec VPN throughput of 8.5Gbps New sessions per second - 98K."		No change
256	Team Connectivity	Annexure XVIII Equipment Specification and Compliance	99 of 127	Core Switch - Clause 10 - 2. Basic IPv4 and IPv6 Static Routing, OSPF, BGP, ECMP, VXLAN and EVPN, Host Routes, PIM SM/DM multicast, Virtual Interfaces, Routed Interfaces, Route Only and Routing between directly connected subnets from day 1.	From security standpoint - it is important to safeguard the network and its communication using 802.1AE, MACsec Key Agreement (MKA) protocol provide secure communications on Ethernet links using strong encryption. It Provides integrity checking to help ensure that data cannot be modified in transit. Please amend the clause as - "2. Basic IPv4 and IPv6 Static Routing, OSPF, BGP, ECMP, VXLAN and EVPN, Host Routes, PIM SM/DM multicast, Virtual Interfaces, Routed Interfaces, Route Only and Routing between directly connected subnets and MACSec from day 1"		No change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
257	Team Connectivity	Annexure XVIII Equipment Specification and Compliance	101 of 127	Distribution Switch - Clause 9-2. Basic IPv4 and IPv6 Static Routing, OSPF, BGP, ECMP, VXLAN and EVPN, Host Routes, PIM SM/DM multicast, Virtual Interfaces, Routed Interfaces, Route Only and Routing between directly connected subnets from day 1.	From security standpoint - it is important to safeguard the network and its communication using 802.1AE, MACsec Key Agreement (MKA) protocol provide secure communications on Ethernet links using strong encryption. It Provides integrity checking to help ensure that data cannot be modified in transit. Please amend the clause as - "2. Basic IPv4 and IPv6 Static Routing, OSPF, BGP, ECMP, VXLAN and EVPN, Host Routes, PIM SM/DM multicast, Virtual Interfaces, Routed Interfaces, Route Only and Routing between directly connected subnets and MACSec from day 1"		No change
258	Team Connectivity	Annexure XVIII Equipment Specification and Compliance	102 of 127	Access Switch - 48 Port PoE/PoE+/Non PoE Clause 1 Type 2: 48-Port 10/100/1000 Mbps PoE/PoE+, 4 x 1G/10G SFP+ slots	In the current design ask the WiFi6 APs are restricted only on 1G port speed at the access switch level. Since the APs asked in the RFP are WiFi6, we suggest you should ask for few mGig ports in the access switches. This will enable the WiFi-6 APs to provide better user throughput and performance. Request you to please amend the clause as - "Type 2: 48-Port 10/100/1000 Mbps PoE/PoE+ (with min. 8xmGig 1/2.5/5/10G PoE ports), 4 x 1G/10G SFP+ slots"		No change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
					this will help you with no performance degradations in the wireless network.		
259	Team Connectivity	Annexure XVIII Equipment Specification and Compliance	102 of 127	Access Switch - 48 Port PoE/PoE+/Non PoE Clause 2 Should support up to 720 W PoE Budget	Referring clause no. 10 - "Switch Should have internal redundant power supplies with fan module from day one" Since you have asked for internal redundant power supply - requesting you to please ask the max. supported power budget of 1440W Requesting you to please amend the clause as - "Should support up to 1440 W PoE Budget"		As per corrigendum 1
260	Team Connectivity	Annexure XVIII Equipment Specification and Compliance	103 of 127	Access Switch - 48 Port PoE/PoE+/Non PoE Clause 5 Stacking bandwidth: 40 Gbps or more	Requesting you to please amend the clause as - "Stacking bandwidth: 80Gbps or more"		No change
261	Team Connectivity	Annexure XVIII Equipment Specification and Compliance	103 of 127	Access Switch - 48 Port PoE/PoE+/Non PoE Clause 8 - The switch should support IPv4 and IPv6 Static Routing, RIP v1/v2, IPv4/v6 QOS/ACLs, IGMP V1/V2/V3, MLD V1/V2, IGMP and MLD snooping from day 1	From security standpoint - it is important to safeguard the network and its communication using 802.1AE, MACsec Key Agreement (MKA) protocol provide secure communications on Ethernet links using strong encryption. It Provides integrity checking to help ensure that data cannot be modified in transit. Please amend the clause as - "2. The switch should support IPv4 and IPv6 Static Routing, RIP v1/v2, IPv4/v6		No change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
					QOS/ACLs, IGMP V1/V2/V3, MLD V1/V2, IGMP and MLD snooping and MACSec from day 1"		
262	Team Connectivity	Annexure XVIII Equipment Specification and Compliance	103 of 127	Access Switch - 48 Port PoE/PoE+/Non PoE - Clause 11 Each Switch should be loaded with one (1) 10G Direct Attached Cables (DAC) with a length of Three (3) Meters.	Please clarify the requirement of 1no. of 10G DAC cable (3m). As per our understanding this should be stacking cable. Please clarify.		10G DAC Cable may be used for stacking
263	Team Connectivity	Annexure XVIII Equipment Specification and Compliance	103 of 127	Access Switch - 24 Port Switch Non PoE/PoE/PoE+ - clause 1 Type 2: 24-Port 10/100/1000 Mbps PoE/PoE+, 4 x 1G/10G SFP+ slots	Request you to please amend the clause as - "Type 2: 24-Port 10/100/1000 Mbps PoE/PoE+ (with min. 8xmGig 1/2.5/5/10G PoE ports), 4 x 1G/10G SFP+ slots"		No change
264	Team Connectivity	Annexure XVIII Equipment Specification and Compliance	103 of 127	Access Switch - 24 Port Switch Non PoE/PoE/PoE+ - clause 3 - Should support minimum 370 W PoE Budget.	Requesting you to please amend the clause as - "Should support up to 740 W PoE Budget"		No change
265	Team Connectivity	Annexure XVIII Equipment Specification and Compliance	104 of 127	Access Switch - 24 Port Switch Non PoE/PoE/PoE+ - clause 5, Stacking Bandwidth : 40 Gbps or more;	Requesting you to please amend the clause as - "Stacking bandwidth: 80Gbps or more"		No change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
266	Team Connectivity	Annexure XVIII Equipment Specification and Compliance	104 of 127	Access Switch - 24 Port Switch Non PoE/PoE/PoE+ - clause 8, The switch should support IPv4 and IPv6 Static Routing, RIP v1/v2, IPv4/v6 QOS/ACLs, IGMP V1/V2/V3, MLD V1/V2, IGMP and MLD snooping from day 1	From security standpoint - it is important to safeguard the network and its communication using 802.1AE, MACsec Key Agreement (MKA) protocol provide secure communications on Ethernet links using strong encryption. It Provides integrity checking to help ensure that data cannot be modified in transit. Please amend the clause as - "2. The switch should support IPv4 and IPv6 Static Routing, RIP v1/v2, IPv4/v6 QOS/ACLs, IGMP V1/V2/V3, MLD V1/V2, IGMP and MLD snooping and MACSec from day 1"		No change
267	Team Connectivity	Annexure XVIII Equipment Specification and Compliance	104 of 127	Access Switch - 24 Port Switch Non PoE/PoE/PoE+ - clause 5, Stacking Bandwidth : 40 Gbps or more;	Here, in the 24 port access switches, there's no requirement specified in the specs for DAC / stacking cable as given in 48 port switch. We understand there shall be requirement of DAC/stacking cables for these switches as well. Please clarify.		No change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
268	Team Connectivity	Annexure XVIII Equipment Specification and Compliance	107 of 127	AP - Type 1 - Clause 4, The access point should support installations on wall, Mounting Kit should be included from OEM.	Though the AP can be mounted on the wall, we strongly recommend to install the APs on the ceiling so as to get the optimal wireless coverage by using internal omni directional antennas. For the benefit of solution - we suggest you to please amend the clause as- "The access point should support installations on ceiling, Mounting Kit should be included from OEM."		As per Corrigendum 1
269	Team Connectivity	Annexure XVIII Equipment Specification and Compliance	108 of 127	AP - Type 2 - Clause 1, It should be Dual-band 802.11abgn/ax, Wireless Indoor Access Point with Multi-Gigabit Ethernet backhaul, 4x4:4 streams in 5Ghz and 2x2:2 stream in 2.4Ghz, MU-MIMO."	Here, in the given specs, you have asked for 2x2:2 MIMO for 2.4Ghz whereas for 5Ghz - it has been asked as 4x4:4MIMO. To get the consistent performance for the user on any of the bands, we recommend you to go for 4x4MIMO on both the radios, so that there is no performance degradation. Request you to please amend the clause as - "It should be Dual-band 802.11abgn/ax, Wireless Indoor Access Point with Multi-Gigabit Ethernet backhaul, 4x4:4 streams in both 5Ghz & 2.4Ghz, MU-MIMO.""		As per corrigendum 1

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
270	Team Connectivity	Annexure XVIII Equipment Specification and Compliance	108 of 127	AP - Type 2- Clause 2, It should provide minimum concurrent data rate of 3000 Mbps	We recommend to keep the min. data rate as 5000Mbps or 5Gbps Request you to please amend the clause as - "It should provide minimum concurrent data rate of 5000 Mbps"		No change
271	Team Connectivity	Annexure XVIII Equipment Specification and Compliance	108 of 127	AP - Type 2 - Clause 3, It Should have minimum two (2) 1GbE RJ45 ports or 1x100,1000, 2500 Multigigabit Interface"	The AP has been asked with 1/100,1000,2500Mbps RJ45 multigig ports, however the access switches doesn't have provision for mGig ports we strongly recommend you to go with access switches that supports mgig ports. Please consider atleast 8x mGig ports in access switches so that you get optimal performance for wireless infrastructure.		No change
272	Team Connectivity	Annexure XVIII Equipment Specification and Compliance	109 of 127	AP - Type 3 - Clause 2, It should provide minimum concurrent data rate of 3500 Mbps.	Requesting you to please amend the clause as - "It should provide minimum concurrent data rate of 5000 Mbps."		No Change
273	Team Connectivity	Annexure XVIII Equipment Specification and Compliance	109 of 127	AP Type 3, Clause 3 and Clause 5 It should be read as "It Should have minimum two (2) 1GbE RJ45 ports or 1x100,1000, 2500 Multigigabit Interface" & It should support Multi-Gigabit	Since the AP has been asked with mGig ports, however the access switches doesn't have provision for mgig connectivity. We strongly recommend you to go with access switches that supports mgig ports. Please consider atleast 8x mGig ports in access switches so that you get optimal		No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
				Ethernet backhaul and on-board BLE / Zigbee /IoT	performance for wireless infrastructure.		
274	Team Connectivity	Annexure XVIII Equipment Specification and Compliance	111 of 127	NMS - Clause 10, Management tool should provide reporting features Reports should cover device connectivity, network health, capacity planning. A reporting wizard is also provided to generate scheduled and on-demand reports that highlight network and application health, throughput and usage data, device and client inventory and much more. Tool should have minimum 30 days of statistic and 90 days of reporting data.	Request you to please amend the clause as - "Management tool should provide reporting features Reports should cover device connectivity, network health, capacity planning. A reporting wizard is also provided to generate scheduled and on-demand reports that highlight network and application health, throughput and usage data, device and client inventory and much more. Overall solution with log server should have minimum 30 days of statistic and 90 days of reporting data."		As per Corrigendum 1
275	Team Connectivity	Annexure XVIII Equipment Specification and Compliance	114 of 127	Server Hardware - Clause 2 Supported CPU - Up to two 3rd Generation Intel® Xeon® Scalable processors with up to 40 cores per processor Support for up to 2 x 270W processors; Direct Liquid Cooling support.	Requesting you to please amend the clause as - "Up to two 3rd Generation Intel® Xeon® Scalable processors with up to 40 cores per processor Support for up to 2 x 270W processors."		As per Corrigendum 1
276	Team Connectivity	Annexure XVIII Equipment Specification and Compliance	114 of 127	Server Hardware - Clause 10, 4* 10G Ethernet ports - SFP+ Ports, 2 x 1GbE LOM + 1 x OCP 3.0	Requesting you to please amend the clauses as- "4* 10G SFP+ Ports, 2 x 1GbE LOM / 1 x OCP 3.0"		As per Corrigendum 1

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
277	Team Connectivity	Annexure XVIII Equipment Specification and Compliance	115 of 127	Server hardware - Clause 14, Configuration and Management - • Agent-free monitoring, driver updates & configuration, power monitoring & capping, RAID management, external storage management, monitoring of FC, HBA & CNA & system health	As per the solution ask, there is no external storage, moreover the server hardware can not provide external storage management. Requesting you to please amend the clause as - "• Agent-free monitoring, driver updates & configuration, power monitoring & capping, RAID management, monitoring of FC, HBA & CNA & system health."		As per Corrigendum 1
278	Team Connectivity	Annexure XVIII Equipment Specification and Compliance	115 of 127	Server Hardware - Clause 15 Configuration and management	We strongly recommend to add following management points in the server - so as to protect your environment - 1. The proposed management solution should provide proactive security & software advisory alerts and should outline the fixes required to address the issues. 2. The proposed management solution should analyze current configurations & identify potential issues due to driver & firmware incompatibility 3. Server management system should provide an alert in case the system is not part of OEM Hardware Compatibility list & should provide anti counterfeit.		No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
279	Team Connectivity	Annexure XVIII Equipment Specification and Compliance	General Technical Point		<p>There is no specifications or requirement for the Network Access Control in the RFP.</p> <p>We strongly recommend the user identity based authentication, authorization and accounting (AAA) solution must to deployed in the campus environment so that users can get access to the network based on their identity and role by integrating the AAA/NAC solution with existing AD/LDAP as single source of truth.</p> <p>The AAA/NAC solution would be able to provide secure wired and wireless access in the network, 802.1x, MAB, Guest management, profiling of devices in the network, BYOD, device administration, posture validation etc.</p> <p>We see these features missing in the overall solution, thus strongly recommend to have NAC/AAA solution to be added in the requirement.</p>		No Change
280	3i Infotech	Chapter V	26	b. During finalization of order for procurement of the total ordered quantities, at client's request, EdCIL reserves the right of varying the quantities upto $\pm 20\%$ (as per Form 1), without any increase in the prices and/or other terms and conditions.	We request EdCIL to place the order based actual consumption .		No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
281	3i Infotech	Chapter V	31	The successful bidder shall depute requisite number of Engineers to address faults as raised by NITIE to its support helpdesk within the Response Time. The Engineer should be adequately apprised of the network infrastructure deployed at NITIE. The Engineer so deputed during the delivery, installation, testing and handover phases and till the completion of the project will be responsible for the following:	We understand bidder has to deployed requisite number of engineers service tenure so please confirm the Service window for the same.		As per SLA mentioned in Tender
282	3i Infotech	Chapter V	32	The helpdesk should be operational 24 X 7 and E-mail address and Phone numbers should be made available that can be reached on	We understand the Helpdesk Function is bidder's responsibility so please confirm the service window .		As per SLA mentioned in Tender
283	3i Infotech	Chapter V	34	The successful bidder shall deploy experienced resources (Network/Software Engineer) at the premise of the institute, who must be a full-time employee of the successful bidder, during installation, Contract, Agreement, warranty and post warranty Periods (as specified in the agreement). The Network/Software Engineer shall function under the aegis of Contact Manager of the bidder, will be responsible at project site office and report to the OIC DISC, NITIE, Mumba	Kindly confirm the minimum number of engineer expectation under this clause Implementation Phase and post Implementation Phase.		Tender is Self Explanatory
284	3i Infotech						

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
285	3i Infotech	Chapter VI .6.2.3	37	The Bidder should have satisfactorily completed at least three work orders for similar type of work each costing not less than Rs. 3,00,00,000/- in any Govt. department/ institutes in the last five years (executed as on date of submission of bid).	Under this clause we request you to accept the similar order executed before 5 years but will be continued during last five years.		No change
286	3i Infotech	Chapter VI .6.2.2	37	The bidder shall be in IT & ITES business for the last 7 years and shall have at least 7 years and shall have at least 7 years of experience as on as on the date of floating of tender in each of the following areas: i. Supply and maintenance of servers, storage ii. Supply and maintenance of networking devices like wireless Access Points with controller, switches, routers, Firewall etc. iii. Supply and maintenance of networking passive components like Optical fiber, cat 6/6a cable, Racks, UPS, * Minimum project value considered for evaluation should be more than 3 crores	We Request amend this clause as" The bidder shall be in IT & ITES business for the last 7 years and shall have at least 7 years and shall have at least 7 years of experience as on as on the date of floating of tender in each of the following areas: I. Supply and maintenance of servers, storage ii. Supply and maintenance of networking devices like wireless Access Points with controller/switches/ routers/Firewall etc. iii. Supply and maintenance of networking passive components like Optical fiber/ cat 6/6a cable/ Racks/ UPS, * Minimum project value considered for evaluation should be more than 3 crores		As per corrigendum 1

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
287	3i Infotech	Chapter VI .6.2.3	40	Experience of Setting Up big Campus Network* project in the last Seven financial years * Note 1: Setting up of Campus area Networking (Active and Passive components) and related security (NGFW/equivalent) & monitoring system software (NMS, WLC)	Under this clause we request you to accept the order of large central Government body or PSU where bidder has managed the entire IT Infrastructure which includes Server, Network ,storage or End user IT Infrastructure of requisite order values, please confirm .		No change
288	3i Infotech				or Kindly accept the Order bidder has executed for Integrated IT Solution project which includes the application development and Support , Hardware and software supply and Implementation support for skills upgradation of students under central or state Government initiatives.		No change
289	3i Infotech	Chapter VI .6.2.4	40	Bidder should have experience in maintaining at least two networks having 1000 nodes in the past seven financial years.-2 Contracts = 5 Marks 3, Contracts = 10 Marks,>= 4 contracts = 15 Marks	We request amend this clause as " Bidder should have experience in maintaining at least One networks having 1000 nodes in the past seven financial years" 1000 Nodes = 5 Marks 1500 Nodes = 10 Marks 2000 Nodes =15 Marks		No change
290	Vijay Bros	5.16	26	Delivery/ Commissioning of all the goods at the campus(es) of NITIE should be made within a maximum of 10 weeks/15 weeks from the date of placement of LOI/LOA.	Delivery period must not be less then 24-25 weeks/ 180-200 days. Delivery are delayed due to shortaghe of semi-conductors and Covid situations world wide.		As per corrigendum 1

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
291	Vijay Bros	5.18	27	The timely delivery is the essence of this tender. Liquidated damages will be applicable at the rate of one percent (1%) per week or part thereof for undelivered portion of ICT components subject to a maximum of 10% of the cost of Purchase order for any reason whatsoever attributed to failure of tenderer. EdCIL will have the right to cancel the order, place order on alternative source besides levying the liquidated damages as above.	The LD will be applicable @ rate of 1% per week or part thereof for the undelivered portion of ICT components subject to a maximum of 5% of the cost of PO due to logistics is supply chain being very much uncertain and unpredictable due to covid pandemic condition world wide		No change
292	Vijay Bros	6	40	Experience of Setting Up big Campus Network* project in the last Seven financial years i. One Project of value more than Rs. 7 Crore - 8 Marks ii. One Project of value more than Rs. 12 Crore - 15 Marks iii. One Project of value more than Rs. 20 Crore – 20 Marks	This marking must be as per sr. no. 3 page no. 37. As per the Govt. guidelines: i) Average Annual financial turnover during the last 3 years, ending 31st March of the previous financial year should be at least 30% of the estimated cost. ii) Experience of having successfully completed similar works during last 7 years ending last day of month previous to the one in which applications are invited should be either of the following. Three similar completed works costing not less than the amount equal to 40% of the estimated cost. Or Two similar completed works costing		No change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
					not less than the amount equal to 50% of the estimated cost. Or One similar completed works costing not less than the amount equal to 80% of the estimated cost		
293	Vijay Bros	Annexure XVIII Equipment Specification and Compliance	98 of 127	UTM Firewall - Clause 7 The proposed firewall should support min. - Firewall Throughput - 36Gbps, NGFW throughput - 9Gbps, IPS Throughput - 9Gbps Concurrent sessions - 08Million, IPSec VPN throughput of 8.5Gbps New sessions per second - 98K	For the overall performance requirement for the UTM firewall, request you to please increase the NGFW and IPS throughput to atleast 18Gbps Request you to please amend the clause as - "The proposed firewall should support min. - Firewall Throughput - 36Gbps, NGFW throughput - 18Gbps, IPS Throughput - 18Gbps Concurrent sessions - 08Million, IPSec VPN throughput of 8.5Gbps New sessions per second - 98K."		No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
294	Vijay Bros	Annexure XVIII Equipment Specification and Compliance	99 of 127	Core Switch - Clause 10 - 2. Basic IPv4 and IPv6 Static Routing, OSPF, BGP, ECMP, VXLAN and EVPN, Host Routes, PIM SM/DM multicast, Virtual Interfaces, Routed Interfaces, Route Only and Routing between directly connected subnets from day 1.	From security standpoint - it is important to safeguard the network and its communication using 802.1AE, MACsec Key Agreement (MKA) protocol provide secure communications on Ethernet links using strong encryption. It Provides integrity checking to help ensure that data cannot be modified in transit. Please amend the clause as - "2. Basic IPv4 and IPv6 Static Routing, OSPF, BGP, ECMP, VXLAN and EVPN, Host Routes, PIM SM/DM multicast, Virtual Interfaces, Routed Interfaces, Route Only and Routing between directly connected subnets and MACSec from day 1"		No Change
295	Vijay Bros	Annexure XVIII Equipment Specification and Compliance	101 of 127	Distribution Switch - Clause 9- 2. Basic IPv4 and IPv6 Static Routing, OSPF, BGP, ECMP, VXLAN and EVPN, Host Routes, PIM SM/DM multicast, Virtual Interfaces, Routed Interfaces, Route Only and Routing between directly connected subnets from day 1.	From security standpoint - it is important to safeguard the network and its communication using 802.1AE, MACsec Key Agreement (MKA) protocol provide secure communications on Ethernet links using strong encryption. It Provides integrity checking to help ensure that data cannot be modified in transit. Please amend the clause as - "2. Basic IPv4 and IPv6 Static Routing, OSPF, BGP, ECMP, VXLAN and EVPN, Host Routes, PIM SM/DM multicast, Virtual Interfaces, Routed Interfaces, Route		No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
					Only and Routing between directly connected subnets and MACSec from day 1"		
296	Vijay Bros	Annexure XVIII Equipment Specification and Compliance	102 of 127	Access Switch - 48 Port PoE/PoE+/Non PoE Clause 1 Type 2: 48-Port 10/100/1000 Mbps PoE/PoE+, 4 x 1G/10G SFP+ slots	In the current design ask the WiFi6 APs are restricted only on 1G port speed at the access switch level. Since the APs asked in the RFP are WiFi6, we suggest you should ask for few mGig ports in the access switches. This will enable the WiFi-6 APs to provide better user throughput and performance. Request you to please amend the clause as - "Type 2: 48-Port 10/100/1000 Mbps PoE/PoE+ (with min. 8xmGig 1/2.5/5/10G PoE ports), 4 x 1G/10G SFP+ slots" this will help you with no performance degradations in the wireless network.		No Change
297	Vijay Bros	Annexure XVIII Equipment Specification and Compliance	102 of 127	Access Switch - 48 Port PoE/PoE+/Non PoE Clause 2 Should support up to 720 W PoE Budget	Refering clause no. 10 - "Switch Should have internal redundant power supplies with fan module from day one" Since you have asked for internal redundant power supply - requesting you to please ask the max. supported power budget of 1440W Requesting you to please amend the clause as - "Should support up to1440 W PoE Budget"		As per corrigendum 1

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
298	Vijay Bros	Annexure XVIII Equipment Specification and Compliance	103 of 127	Access Switch - 48 Port PoE/PoE+/Non PoE Clause 8 - The switch should support IPv4 and IPv6 Static Routing, RIP v1/v2, IPv4/v6 QOS/ACLs, IGMP V1/V2/V3, MLD V1/V2, IGMP and MLD snooping from day 1	From security standpoint - it is important to safeguard the network and its communication using 802.1AE, MACsec Key Agreement (MKA) protocol provide secure communications on Ethernet links using strong encryption. It Provides integrity checking to help ensure that data cannot be modified in transit. Please amend the clause as - "2. The switch should support IPv4 and IPv6 Static Routing, RIP v1/v2, IPv4/v6 QOS/ACLs, IGMP V1/V2/V3, MLD V1/V2, IGMP and MLD snooping and MACSec from day 1"		No Change
299	Vijay Bros	Annexure XVIII Equipment Specification and Compliance	103 of 127	Access Switch - 48 Port PoE/PoE+/Non PoE - Clause 11 Each Switch should be loaded with one (1) 10G Direct Attached Cables (DAC) with a length of Three (3) Meters.	Please clarify the requirement of 1no. of 10G DAC cable (3m). As per our understanding this should be stacking cable. Please clarify.		10G DAC Cable may be used for stacking
300	Vijay Bros	Annexure XVIII Equipment Specification and Compliance	103 of 127	Access Switch - 24 Port Switch Non PoE/PoE/PoE+ - clause 1 Type 2: 24-Port 10/100/1000 Mbps PoE/PoE+, 4 x 1G/10G SFP+ slots	Request you to please amend the clause as - "Type 2: 24-Port 10/100/1000 Mbps PoE/PoE+ (with min. 8xmGig 1/2.5/5/10G PoE ports), 4 x 1G/10G SFP+ slots"		No change
301	Vijay Bros	Annexure XVIII Equipment Specification	103 of 127	Access Switch - 24 Port Switch Non PoE/PoE/PoE+ - clause 3 - Should support minimum 370 W PoE Budget.	Requesting you to please amend the clause as - "Should support up to 740 W PoE Budget"		No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
		and Compliance					
302	Vijay Bros	Annexure XVIII Equipment Specification and Compliance	104 of 127	Access Switch - 24 Port Switch Non PoE/PoE/PoE+ - clause 5, Stacking Bandwidth : 40 Gbps or more;	Requesting you to please amend the clause as - "Stacking bandwidth: 80Gbps or more"		No Change
303	Vijay Bros	Annexure XVIII Equipment Specification and Compliance	104 of 127	Access Switch - 24 Port Switch Non PoE/PoE/PoE+ - clause 8, The switch should support IPv4 and IPv6 Static Routing, RIP v1/v2, IPv4/v6 QOS/ACLs, IGMP V1/V2/V3, MLD V1/V2, IGMP and MLD snooping from day 1	From security standpoint - it is important to safeguard the network and its communication using 802.1AE, MACsec Key Agreement (MKA) protocol provide secure communications on Ethernet links using strong encryption. It Provides integrity checking to help ensure that data cannot be modified in transit. Please amend the clause as - "2. The switch should support IPv4 and IPv6 Static Routing, RIP v1/v2, IPv4/v6 QOS/ACLs, IGMP V1/V2/V3, MLD V1/V2, IGMP and MLD snooping and MACSec from day 1"		No Change
304	Vijay Bros	Annexure XVIII Equipment Specification and Compliance	104 of 127	Access Switch - 24 Port Switch Non PoE/PoE/PoE+ - clause 5, Stacking Bandwidth : 40 Gbps or more;	Here, in the 24 port access switches, there's no requirement specified in the specs for DAC / stacking cable as given in 48 port switch. We understand there shall be requirement of DAC/stacking cables for these switches as well. Please clarify.		No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
305	Vijay Bros	Annexure XVIII Equipment Specification and Compliance	107 of 127	AP - Type 1 - Clause 4, The access point should support installations on wall, Mounting Kit should be included from OEM.	Though the AP can be mounted on the wall, we strongly recommend to install the APs on the ceiling so as to get the optimal wireless coverage by using internal omni directional antennas. For the benefit of solution - we suggest you to please amend the clause as- "The access point should support installations on ceiling, Mounting Kit should be included from OEM."		As per corrigendum 1
306	Vijay Bros	Annexure XVIII Equipment Specification and Compliance	108 of 127	AP - Type 2 - Clause 1, It should be Dual-band 802.11abgn/ax, Wireless Indoor Access Point with Multi-Gigabit Ethernet backhaul, 4x4:4 streams in 5Ghz and 2x2:2 stream in 2.4Ghz, MU-MIMO."	Here, in the given specs, you have asked for 2x2:2 MIMO for 2.4Ghz whereas for 5Ghz - it has been asked as 4x4:4MIMO. To get the consistent performance for the user on any of the bands, we recommend you to go for 4x4MIMO on both the radios, so that there is no performance degradation. Request you to please amend the clause as - "It should be Dual-band 802.11abgn/ax, Wireless Indoor Access Point with Multi-Gigabit Ethernet backhaul, 4x4:4 streams in both 5Ghz & 2.4Ghz, MU-MIMO.""		As per corrigendum 1

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
307	Vijay Bros	Annexure XVIII Equipment Specification and Compliance	108 of 127	AP - Type 2- Clause 2, It should provide minimum concurrent data rate of 3000 Mbps	We recommend to keep the min. data rate as 5000Mbps or 5Gbps Request you to please amend the clause as - "It should provide minimum concurrent data rate of 5000 Mbps"		No Change
308	Vijay Bros	Annexure XVIII Equipment Specification and Compliance	108 of 127	AP - Type 2 - Clause 3, It Should have minimum two (2) 1GbE RJ45 ports or 1x100,1000, 2500 Multigigabit Interface"	The AP has been asked with 1/100,1000,2500Mbps RJ45 multigig ports, however the access switches doesn't have provision for mGig ports we strongly recommend you to go with access switches that supports mgig ports. Please consider atleast 8x mGig ports in access switches so that you get optimal performance for wireless infrastructure.		No Change
309	Vijay Bros	Annexure XVIII Equipment Specification and Compliance	109 of 127	AP - Type 3 - Clause 2, It should provide minimum concurrent data rate of 3500 Mbps.	Requesting you to please amend the clause as - "It should provide minimum concurrent data rate of 5000 Mbps."		No Change
310	Vijay Bros	Annexure XVIII Equipment Specification and Compliance	109 of 127	AP Type 3, Clause 3 and Clause 5 It should be read as "It Should have minimum two (2) 1GbE RJ45 ports or 1x100,1000, 2500 Multigigabit Interface" & It should support Multi-Gigabit	Since the AP has been asked with mGig ports, however the access switches doesn't have provision for mgig connectivity. We strongly recommend you to go with access switches that supports mgig ports. Please consider atleast 8x mGig ports in access switches so that you get optimal		No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
				Ethernet backhaul and on-board BLE / Zigbee /IoT	performance for wireless infrastructure.		
311	Vijay Bros	Annexure XVIII Equipment Specification and Compliance	111 of 127	NMS - Clause 10, Management tool should provide reporting features Reports should cover device connectivity, network health, capacity planning. A reporting wizard is also provided to generate scheduled and on-demand reports that highlight network and application health, throughput and usage data, device and client inventory and much more. Tool should have minimum 30 days of statistic and 90 days of reporting data.	Request you to please amend the clause as - "Management tool should provide reporting features Reports should cover device connectivity, network health, capacity planning. A reporting wizard is also provided to generate scheduled and on-demand reports that highlight network and application health, throughput and usage data, device and client inventory and much more. Overall solution with log server should have minimum 30 days of statistic and 90 days of reporting data."		As per Corrigendum 1
312	Vijay Bros	Annexure XVIII Equipment Specification and Compliance	114 of 127	Server Hardware - Clause 2 Supported CPU - Up to two 3rd Generation Intel® Xeon® Scalable processors with up to 40 cores per processor Support for up to 2 x 270W processors; Direct Liquid Cooling support.	Requesting you to please amend the clause as - "Up to two 3rd Generation Intel® Xeon® Scalable processors with up to 40 cores per processor Support for up to 2 x 270W processors."		As per Corrigendum 1
313	Vijay Bros	Annexure XVIII Equipment Specification and Compliance	114 of 127	Server Hardware - Clause 10, 4* 10G Ethernet ports - SFP+ Ports, 2 x 1GbE LOM + 1 x OCP 3.0	Requesting you to please amend the clauses as- "4* 10G SFP+ Ports, 2 x 1GbE LOM / 1 x OCP 3.0"		As per Corrigendum 1

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
314	Vijay Bros	Annexure XVIII Equipment Specification and Compliance	115 of 127	Server Hardware - Clause 15 Configuration and management	<p>We strongly recommend to add following management points in the server - so as to protect your environment -</p> <ol style="list-style-type: none"> 1. The proposed management solution should provide proactive security & software advisory alerts and should outline the fixes required to address the issues. 2. The proposed management solution should analyze current configurations & identify potential issues due to driver & firmware incompatibility 3. Server management system should provide an alert in case the system is not part of OEM Hardware Compatibility list & should provide anti counterfeit. 		No change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
315	Vijay Bros	Annexure XVIII Equipment Specification and Compliance	General Technical Point		There is no specifications or requirement for the Network Access Control in the RFP. We strongly recommend the user identity based authentication, authorization and accounting (AAA) solution must to deployed in the campus environment so that users can get access to the network based on their identity and role by integrating the AAA/NAC solution with existing AD/LDAP as single source of truth. The AAA/NAC solution would be able to provide secure wired and wireless access in the network, 802.1x, MAB, Guest management, profiling of devices in the network, BYOD, device administration, posture validation etc. We see these features missing in the overall solution, thus strongly recommend to have NAC/AAA solution to be added in the requirement.		No Change
316	Vijay Bros	Annexure XVIII Equipment Specification and Compliance	115 of 127	Server hardware - Clause 14, Configuration and Management - • Agent-free monitoring, driver updates & configuration, power monitoring & capping, RAID management, external storage management, monitoring of FC, HBA & CNA & system health	As per the solution ask, there is no external storage, moreover the server hardware can not provide external storage management. Requesting you to please amend the clause as - "• Agent-free monitoring, driver updates & configuration, power monitoring & capping, RAID		As per Corrigendum 1

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
					management, monitoring of FC, HBA & CNA & system health."		
317	Vijay Bros	Annexure XVIII Equipment Specification and Compliance	103 of 127	Access Switch - 48 Port PoE/PoE+/Non PoE Clause 5 Stacking bandwidth: 40 Gbps or more	Requesting you to please amend the clause as - "Stacking bandwidth: 80Gbps or more"		No Change
318	Vijay Bros	4	19	Scope of Work INTRODUCTION	The material supplied through this tender should easily be integrated with the current/ existing network for investment protection. This clause should be introduced to protect the investment already made.		No Change
319	CCS Computers	General Clause		The bid doesn't comply with the public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. As it is a tender issued by government body, the PMA policy is very much applicable to this bid, and it is requested to include the PMA clause into the tender	Clause Inclusion		No change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
320	CCS Computers			The RFP does not mention the restriction on procurement from a bidder/OEM of a country which shares a land border with India as per guidelines published by Ministry of Finance, Department of Expenditure, Public Procurement division, dated 23-07-2020 and 08-02-2020 vide letter No. F. 18/37/2020-PPD.	Clause Inclusion		As per corrigendum-1
321	CCS Computers	VIII	104	The OEM shall be consistently present in Leaders quadrant of Gartner's Magic Quadrant for Wired and Wireless LAN Access Infrastructure for the last three years (2020,2019, and 2018).	This is a restrictive condition for local OEM as this is recognized by an international body, which may not be possible for the local OEMs. Request to remove clause.		No Change
322	CCS Computers	VIII	104	Switches, NMS and wireless equipment should be from same OEM for ease of integration and management	The various equipments asked in the tender work on standard protocols, hence there won't be any issue in inter-operability. Moreover such clause would favor only those OEMs, that manufacture all the type of equipments, hence decreasing the participation. Request to remove this clause.		No Change
323	CCS Computers	VIII	105	Switches must support switch virtualization/stacking feature to extend the control plane across multiple active switches forming a single virtual switching fabric. Any modules/cables required for the same shall be provided from Day 1	Ideally the stacking feature in access switches is used as management stack and not the control stack. The control plane stacking is usually required in distribution / L3 or Core switches. Request to change the clause to below: "Should support Stacking of minimum 05 Switches or more in a stack or		No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
					equivalent and should be configured with stacking ports from day 1."		
324	CCS Computers	VIII	105	The OEM shall be consistently present in Leaders quadrant of Gartner's Magic Quadrant for Wired and Wireless LAN Access Infrastructure for the last three years (2020,2019, and 2018).	This is a restrictive condition for local OEM as this is recognized by an international body, which may not be possible for the local OEMs.		No Change
325	CCS Computers	VIII	105	Switches, NMS and wireless equipment should be from same OEM for ease of integration and management	The various equipments asked in the tender work on standard protocols, hence there won't be any issue in inter-operability. Moreover such clause would favor only those OEMs, that manufacture all the type of equipments, hence decreasing the participation. Request to remove this clause.		No Change
326	CCS Computers	VIII	102	Should have minimum: Type 1: 48-Port 10/100/1000 Mbps, 4 x 1G/10G SFP+ slots Type 2: 48-Port 10/100/1000 Mbps PoE/PoE+, 4 x 1G/10G SFP+ slots	Request to consider 2x24 Ports Switches as alternative to a 48-Port Switch. 2x24-Port Switches (using stacking) can be managed as a 48-Port switch virtually. In such a case the specs of 24-port switch to be applied.		No Change
327	CCS Computers	VIII	103	Each Switch should be loaded with one (1) 10G Direct Attached Cables (DAC) with a length of Three (3) Meters.	Kindly clarify the use case of the DAC cable, as this is usually used to connect servers, storage etc directly to the switches. As per the network connectivity diagram under scope of work, these 10G ports to be used as uplinks to connect to distribution, core switches.		No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
					Kindly remove this clause if our understanding is correct.		
328	CCS Computers	14	105	Guest Wireless: Must support internal and external web authentication	Guest Wireless: Must support internal and external web authentication using external AAA	The given functionality of authentication is generally a feature of an external Captive portal and AAA server, which is part of overall Wi-Fi solution. Hence we request to amend the clause to accommodate the complete solution with AAA server.	No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
329	CCS Computers	16	106	The OEM shall be consistently present in Leaders quadrant of Gartner's Magic Quadrant for Wired and Wireless LAN Access Infrastructure for the last three years (2020,2019 and 2018)	Clause Removal	The clause is restrictive and against PMA policy of DoT, Gol as it only permits foreign OEMs to participate in the tender. Furthermore, no such requirement is mentioned in TEC GR, the standard Indian specifications for Access Points that is being	No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						asked to referred by PMA policy. Hence, we request you to kindly remove this clause and allow local OEMs to participate in the tender.	
330	CCS Computers	17	106	Switches, NMS and wireless equipment should be from same OEM for ease of integration and management	Clause Removal	Generally Access Points and Wireless Controller are required to be from the same OEM as interoperability is not possible between	No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						the APs and Controller. However, the switches can be from any other OEM as interoperability between Wi-Fi system is possible with any OEM Switch in the industry. Furthermore, this clause is restrictive and against the PMA policy by DoT, Gol. With	

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						<p>respect to controller license, this clause will only enable few OEMs to participate in the bid. Therefore we request you kindly change the clause, and allow other OEMs to quote their products in the tender. Other OEMs can quote their products along with controller</p>	

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						server and licenses. This will not only allow other OEMs to participate , but will also encourage fair competition. The final decision, hence, can be taken on the basis of most cost competitive solution meeting the requirement	

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
331	CCS Computers	5	106	Access point should be IoT-ready with built in Bluetooth 5 or Zigbee support	Access point should be IoT-ready with built in/external Bluetooth 5 or Zigbee support	The use case for Zigbee and BLE is to facilitate the use of IoT enabled smart appliances , and support for the same should be asked for,as different models have either inbuilt or external radio for the same. The given specification is restrictive as only a	As per corrigendum 1

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						few foreign OEM can comply with the same. Citing the same, we request you to amend the specification to permit more participation of OEMs.	

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
332	CCS Computers	8	106	The OEM shall be consistently present in Leaders quadrant of Gartner's Magic Quadrant for Wired and Wireless LAN Access Infrastructure for the last three years (2020,2019 and 2018)	Clause Removal	The clause is restrictive and against PMA policy of DoT, Gol as it only permits foreign OEMs to participate in the tender. Furthermore, no such requirement is mentioned in TEC GR, the standard Indian specifications for Access Points that is being	No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						asked to referred by PMA policy. Hence, we request you to kindly remove this clause and allow local OEMs to participate in the tender.	
333	CCS Computers	9	107	Switches, NMS and wireless equipment should be from same OEM for ease of integration and management	Clause Removal	Generally Access Points and Wireless Controller are required to be from the same OEM as interoperability is not possible between	No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						<p>the APs and Controller. However, the switches can be from any other OEM as interoperability between Wi-Fi system is possible with any OEM Switch in the industry. Furthermore, this clause is restrictive and against the PMA policy by DoT, Gol. With</p>	

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						<p>respect to controller license, this clause will only enable few OEMs to participate in the bid. Therefore we request you kindly change the clause, and allow other OEMs to quote their products in the tender. Other OEMs can quote their products along with controller</p>	

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						server and licenses. This will not only allow other OEMs to participate , but will also encourage fair competition. The final decision, hence, can be taken on the basis of most cost competitive solution meeting the requirement	

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
334	CCS Computers	1	107	It should be Dual-band 802.11abgn/ax, Wireless Indoor Access Point with Multi-Gigabit Ethernet backhaul, 4x4:4 streams in 5Ghz and 2x2:2 stream in 2.4Ghz, MU-MIMO."	It should be Dual-band 802.11abgn/ax, Wireless Indoor Access Point with Multi-Gigabit Ethernet/SFP backhaul, 2x2:2 streams in 5Ghz and 2x2:2 stream in 2.4Ghz, MU-MIMO."	The Multi-Gigabit backhaul can be provided using Ethernet/SFP based port. This clause is OEM specific. Hence request you to amend the clause. Generally the available backhaul for educational institutions is up to 1 Gbps. Considering this a 2x2:2 access	As per corrigendum 1

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						point with a throughput of upto 1.78Gbps, is more than sufficient with respect to the available backhaul. This would also allow more OEMs to participate in the bidding process.	
335	CCS Computers	2	107	It should provide minimum concurrent data rate of 3000 Mbps	It should provide minimum concurrent data rate of 1.78 Gbps	Generally the available backhaul for educational institutions is up to 1 Gbps.	No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						Considering this a 2x2:2 access point with a throughput of upto 1.78Gbps, is more than sufficient with respect to the available backhaul. This would also allow more OEMs to participate in the bidding process.	

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
336	CCS Computers	6	107	The OEM shall be consistently present in Leaders quadrant of Gartner's Magic Quadrant for Wired and Wireless LAN Access Infrastructure for the last three years (2020,2019 and 2018)	Clause Removal	The clause is restrictive and against PMA policy of DoT, Gol as it only permits foreign OEMs to participate in the tender. Furthermore, no such requirement is mentioned in TEC GR, the standard Indian specifications for Access Points that is being	No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						asked to referred by PMA policy. Hence, we request you to kindly remove this clause and allow local OEMs to participate in the tender.	
337	CCS Computers	7	107	Switches, NMS and wireless equipment should be from same OEM for ease of integration and management	Clause Removal	Generally Access Points and Wireless Controller are required to be from the same OEM as interoperability is not possible between	No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						<p>the APs and Controller. However, the switches can be from any other OEM as interoperability between Wi-Fi system is possible with any OEM Switch in the industry. Furthermore, this clause is restrictive and against the PMA policy by DoT, Gol. With</p>	

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						<p>respect to controller license, this clause will only enable few OEMs to participate in the bid. Therefore we request you kindly change the clause, and allow other OEMs to quote their products in the tender. Other OEMs can quote their products along with controller</p>	

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						server and licenses. This will not only allow other OEMs to participate , but will also encourage fair competition. The final decision, hence, can be taken on the basis of most cost competitive solution meeting the requirement	

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
338	CCS Computers	1	108	It Should be Dual-band 802.11abgn/ax, Wi-Fi 6 AP that supports 4 spatial streams in 5GHz & 4 spatial stream in 2.4GHz. AP should support dual 5GHz (2.4GHz radio can be configurable to 5GHz mode)	It Should be Dual-band 802.11abgn/ax, Wi-Fi 6 AP that supports 2 spatial streams in 5GHz & 2 spatial stream in 2.4GHz.	Generally the available backhaul for educational institutions is up to 1 Gbps. Considering this a 2x2:2 access point with a throughput of upto 1.78Gbps, is more than sufficient with respect to the available backhaul. This would also allow more	No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						OEMs to participate in the bidding process. The dual 5 Ghz(configurable radio) is OEM specific clause. Hence request you to remove this clause.	
339	CCS Computers	2	108	It should provide minimum concurrent data rate of 3500 Mbps	Clause Removal	Generally the available backhaul for educational institutions is up to 1 Gbps. Considering this a 2x2:2	No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						access point with a throughput of upto 1.78Gbps, is more than sufficient with respect to the available backhaul. This would also allow more OEMs to participate in the bidding process.	

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
340	CCS Computers	5	108	Access point should be IoT-ready with built in Bluetooth 5 or Zigbee support	Access point should be IoT-ready with built in/external Bluetooth 5 or Zigbee support	The use case for Zigbee and BLE is to facilitate the use of IoT enabled smart appliances , and support for the same should be asked for,as different models have either inbuilt or external radio for the same. The given specification is restrictive as only a	As per corrigendum 1

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						few foreign OEM can comply with the same. Citing the same, we request you to amend the specification to permit more participation of OEMs.	

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
341	CCS Computers	7	108	The OEM shall be consistently present in Leaders quadrant of Gartner's Magic Quadrant for Wired and Wireless LAN Access Infrastructure for the last three years (2020,2019 and 2018)	Clause Removal	The clause is restrictive and against PMA policy of DoT, Gol as it only permits foreign OEMs to participate in the tender. Furthermore, no such requirement is mentioned in TEC GR, the standard Indian specifications for Access Points that is being	No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						asked to referred by PMA policy. Hence, we request you to kindly remove this clause and allow local OEMs to participate in the tender.	
342	CCS Computers	8	108	Switches, NMS and wireless equipment should be from same OEM for ease of integration and management	Clause Removal	Generally Access Points and Wireless Controller are required to be from the same OEM as interoperability is not possible between	No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						<p>the APs and Controller. However, the switches can be from any other OEM as interoperability between Wi-Fi system is possible with any OEM Switch in the industry. Furthermore, this clause is restrictive and against the PMA policy by DoT, Gol. With</p>	

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						<p>respect to controller license, this clause will only enable few OEMs to participate in the bid. Therefore we request you kindly change the clause, and allow other OEMs to quote their products in the tender. Other OEMs can quote their products along with controller</p>	

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						server and licenses. This will not only allow other OEMs to participate , but will also encourage fair competition. The final decision, hence, can be taken on the basis of most cost competitive solution meeting the requirement	

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
343	Binary Global	General Clause		The bid doesn't comply with the public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. As it is a tender issued by government body, the PMA policy is very much applicable to this bid, and it is requested to include the PMA clause into the tender	Clause Inclusion		No Change
344	Binary Global			The RFP does not mention the restriction on procurement from a bidder/OEM of a country which shares a land border with India as per guidelines published by Ministry of Finance, Department of Expenditure, Public Procurement division, dated 23-07-2020 and 08-02-2020 vide letter No. F. 18/37/2020-PPD.	Clause Inclusion		As per corrigendum 1
345	Binary Global	VIII	104	The OEM shall be consistently present in Leaders quadrant of Gartner's Magic Quadrant for Wired and Wireless LAN Access Infrastructure for the last three years (2020,2019, and 2018).	This is a restrictive condition for local OEM as this is recognized by an international body, which may not be possible for the local OEMs. Request to remove clause.		No Change
346	Binary Global	VIII	104	Switches, NMS and wireless equipment should be from same OEM for ease of integration and management	The various equipments asked in the tender work on standard protocols, hence there won't be any issue in inter-operability. Moreover such clause would favor only those OEMs, that manufacture all the type of		No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
					equipments, hence decreasing the participation. Request to remove this clause.		
347	Binary Global	VIII	105	Switches must support switch virtualization/stacking feature to extend the control plane across multiple active switches forming a single virtual switching fabric. Any modules/cables required for the same shall be provided from Day 1	Ideally the stacking feature in access switches is used as management stack and not the control stack. The control plane stacking is usually required in distribution / L3 or Core switches. Request to change the clause to below: "Should support Stacking of minimum 05 Switches or more in a stack or equivalent and should be configured with stacking ports from day 1."		No Change
348	Binary Global	VIII	105	The OEM shall be consistently present in Leaders quadrant of Gartner's Magic Quadrant for Wired and Wireless LAN Access Infrastructure for the last three years (2020,2019, and 2018).	This is a restrictive condition for local OEM as this is recognized by an international body, which may not be possible for the local OEMs.		No Change
349	Binary Global	VIII	105	Switches, NMS and wireless equipment should be from same OEM for ease of integration and management	The various equipments asked in the tender work on standard protocols, hence there won't be any issue in inter-operability. Moreover such clause would favor only those OEMs, that manufacture all the type of equipments, hence decreasing the participation. Request to remove this clause.		No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
350	Binary Global	VIII	102	Should have minimum: Type 1: 48-Port 10/100/1000 Mbps, 4 x 1G/10G SFP+ slots Type 2: 48-Port 10/100/1000 Mbps PoE/PoE+, 4 x 1G/10G SFP+ slots	Request to consider 2x24 Ports Switches as alternative to a 48-Port Switch. 2x24-Port Switches (using stacking) can be managed as a 48-Port switch virtually. In such a case the specs of 24-port switch to be applied.		No Change
351	Binary Global	VIII	103	Each Switch should be loaded with one (1) 10G Direct Attached Cables (DAC) with a length of Three (3) Meters.	Kindly clarify the use case of the DAC cable, as this is usually used to connect servers, storage etc directly to the switches. As per the network connectivity diagram under scope of work, these 10G ports to be used as uplinks to connect to distribution, core switches. Kindly remove this clause if our understanding is correct.		No Change
352	Binary Global	14	105	Guest Wireless: Must support internal and external web authentication	Guest Wireless: Must support internal and external web authentication using external AAA	The given functionality of authentication is generally a feature of an external Captive portal and AAA server, which is part of	No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						overall Wi-Fi solution. Hence we request to amend the clause to accommodate the complete solution with AAA server.	
353	Binary Global	16	106	The OEM shall be consistently present in Leaders quadrant of Gartner's Magic Quadrant for Wired and Wireless LAN Access Infrastructure for the last three years (2020,2019 and 2018)	Clause Removal	The clause is restrictive and against PMA policy of DoT, GoI as it only permits foreign OEMs to participate in the tender. Furthermore, no such	No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						requirement is mentioned in TEC GR, the standard Indian specifications for Access Points that is being asked to referred by PMA policy. Hence, we request you to kindly remove this clause and allow local OEMs to participate in the tender.	
354	Binary	17	106	Switches, NMS and wireless equipment should be from same OEM	Clause Removal	Generally Access	No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
	Global			for ease of integration and management		Points and Wireless Controller are required to be from the same OEM as interoperability is not possible between the APs and Controller. However, the switches can be from any other OEM as interoperability between Wi-Fi system is possible with any OEM	

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						<p>Switch in the industry. Furthermore, this clause is restrictive and against the PMA policy by DoT, Gol. With respect to controller license, this clause will only enable few OEMs to participate in the bid. Therefore we request you kindly change the clause, and allow other</p>	

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						<p>OEMs to quote their products in the tender. Other OEMs can quote their products along with controller server and licenses. This will not only allow other OEMs to participate , but will also encourage fair competition. The final decision, hence, can be taken</p>	

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						on the basis of most cost competitive solution meeting the requirement	
355	Binary Global	5	106	Access point should be IoT-ready with built in Bluetooth 5 or Zigbee support	Access point should be IoT-ready with built in/external Bluetooth 5 or Zigbee support	The use case for Zigbee and BLE is to facilitate the use of IoT enabled smart appliances , and support for the same should be asked for,as different models have either	As per corrigendum 1

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						<p>inbuilt or external radio for the same. The given specification is restrictive as only a few foreign OEM can comply with the same. Citing the same, we request you to amend the specification to permit more participation of OEMs.</p>	

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
356	Binary Global	8	106	The OEM shall be consistently present in Leaders quadrant of Gartner's Magic Quadrant for Wired and Wireless LAN Access Infrastructure for the last three years (2020,2019 and 2018)	Clause Removal	The clause is restrictive and against PMA policy of DoT, GoI as it only permits foreign OEMs to participate in the tender. Furthermore, no such requirement is mentioned in TEC GR, the standard Indian specifications for Access Points that is being	No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						asked to referred by PMA policy. Hence, we request you to kindly remove this clause and allow local OEMs to participate in the tender.	
357	Binary Global	9	107	Switches, NMS and wireless equipment should be from same OEM for ease of integration and management	Clause Removal	Generally Access Points and Wireless Controller are required to be from the same OEM as interoperability is not possible between	No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						<p>the APs and Controller. However, the switches can be from any other OEM as interoperability between Wi-Fi system is possible with any OEM Switch in the industry. Furthermore, this clause is restrictive and against the PMA policy by DoT, Gol. With</p>	

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						<p>respect to controller license, this clause will only enable few OEMs to participate in the bid. Therefore we request you kindly change the clause, and allow other OEMs to quote their products in the tender. Other OEMs can quote their products along with controller</p>	

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						server and licenses. This will not only allow other OEMs to participate , but will also encourage fair competition. The final decision, hence, can be taken on the basis of most cost competitive solution meeting the requirement	

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
358	Binary Global	1	107	It should be Dual-band 802.11abgn/ax, Wireless Indoor Access Point with Multi-Gigabit Ethernet backhaul, 4x4:4 streams in 5Ghz and 2x2:2 stream in 2.4Ghz, MU-MIMO."	It should be Dual-band 802.11abgn/ax, Wireless Indoor Access Point with Multi-Gigabit Ethernet/SFP backhaul, 2x2:2 streams in 5Ghz and 2x2:2 stream in 2.4Ghz, MU-MIMO."	The Multi-Gigabit backhaul can be provided using Ethernet/SFP based port. This clause is OEM specific. Hence request you to amend the clause. Generally the available backhaul for educational institutions is up to 1 Gbps. Considering this a 2x2:2 access	As per corrigendum 1

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						point with a throughput of upto 1.78Gbps, is more than sufficient with respect to the available backhaul. This would also allow more OEMs to participate in the bidding process.	
359	Binary Global	2	107	It should provide minimum concurrent data rate of 3000 Mbps	It should provide minimum concurrent data rate of 1.78 Gbps	Generally the available backhaul for educational institutions is up to 1 Gbps.	No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						Considering this a 2x2:2 access point with a throughput of upto 1.78Gbps, is more than sufficient with respect to the available backhaul. This would also allow more OEMs to participate in the bidding process.	

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
360	Binary Global	6	107	The OEM shall be consistently present in Leaders quadrant of Gartner's Magic Quadrant for Wired and Wireless LAN Access Infrastructure for the last three years (2020,2019 and 2018)	Clause Removal	The clause is restrictive and against PMA policy of DoT, Gol as it only permits foreign OEMs to participate in the tender. Furthermore, no such requirement is mentioned in TEC GR, the standard Indian specifications for Access Points that is being	No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						asked to referred by PMA policy. Hence, we request you to kindly remove this clause and allow local OEMs to participate in the tender.	
361	Binary Global	7	107	Switches, NMS and wireless equipment should be from same OEM for ease of integration and management	Clause Removal	Generally Access Points and Wireless Controller are required to be from the same OEM as interoperability is not possible between	No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						<p>the APs and Controller. However, the switches can be from any other OEM as interoperability between Wi-Fi system is possible with any OEM Switch in the industry. Furthermore, this clause is restrictive and against the PMA policy by DoT, Gol. With</p>	

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						<p>respect to controller license, this clause will only enable few OEMs to participate in the bid. Therefore we request you kindly change the clause, and allow other OEMs to quote their products in the tender. Other OEMs can quote their products along with controller</p>	

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						server and licenses. This will not only allow other OEMs to participate , but will also encourage fair competition. The final decision, hence, can be taken on the basis of most cost competitive solution meeting the requirement	

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
362	Binary Global	1	108	It Should be Dual-band 802.11abgn/ax, Wi-Fi 6 AP that supports 4 spatial streams in 5GHz & 4 spatial stream in 2.4GHz. AP should support dual 5GHz (2.4GHz radio can be configurable to 5GHz mode)	It Should be Dual-band 802.11abgn/ax, Wi-Fi 6 AP that supports 2 spatial streams in 5GHz & 2 spatial stream in 2.4GHz.	Generally the available backhaul for educational institutions is up to 1 Gbps. Considering this a 2x2:2 access point with a throughput of upto 1.78Gbps, is more than sufficient with respect to the available backhaul. This would also allow more	No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						OEMs to participate in the bidding process. The dual 5 Ghz(configurable radio) is OEM specific clause. Hence request you to remove this clause.	
363	Binary Global	2	108	It should provide minimum concurrent data rate of 3500 Mbps	Clause Removal	Generally the available backhaul for educational institutions is up to 1 Gbps. Considering this a 2x2:2	No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						access point with a throughput of upto 1.78Gbps, is more than sufficient with respect to the available backhaul. This would also allow more OEMs to participate in the bidding process.	

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
364	Binary Global	5	108	Access point should be IoT-ready with built in Bluetooth 5 or Zigbee support	Access point should be IoT-ready with built in/external Bluetooth 5 or Zigbee support	The use case for Zigbee and BLE is to facilitate the use of IoT enabled smart appliances , and support for the same should be asked for,as different models have either inbuilt or external radio for the same. The given specification is restrictive as only a	As per corrigendum 1

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						<p>few foreign OEM can comply with the same. Citing the same, we request you to amend the specification to permit more participation of OEMs.</p>	

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
365	Binary Global	7	108	The OEM shall be consistently present in Leaders quadrant of Gartner's Magic Quadrant for Wired and Wireless LAN Access Infrastructure for the last three years (2020,2019 and 2018)	Clause Removal	The clause is restrictive and against PMA policy of DoT, GoI as it only permits foreign OEMs to participate in the tender. Furthermore, no such requirement is mentioned in TEC GR, the standard Indian specifications for Access Points that is being	No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						asked to referred by PMA policy. Hence, we request you to kindly remove this clause and allow local OEMs to participate in the tender.	
366	Binary Global	8	108	Switches, NMS and wireless equipment should be from same OEM for ease of integration and management	Clause Removal	Generally Access Points and Wireless Controller are required to be from the same OEM as interoperability is not possible between	No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						<p>the APs and Controller. However, the switches can be from any other OEM as interoperability between Wi-Fi system is possible with any OEM Switch in the industry. Furthermore, this clause is restrictive and against the PMA policy by DoT, Gol. With</p>	

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						<p>respect to controller license, this clause will only enable few OEMs to participate in the bid. Therefore we request you kindly change the clause, and allow other OEMs to quote their products in the tender. Other OEMs can quote their products along with controller</p>	

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
						server and licenses. This will not only allow other OEMs to participate , but will also encourage fair competition. The final decision, hence, can be taken on the basis of most cost competitive solution meeting the requirement	

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
367	Arceus	37	6.2/2	The bidder shall be in IT & ITES business for the last 7 years and shall have 7 years of experience as on date of floating of tender in all of the following areas: i. Supply and maintenance of servers and storage ii. Supply and maintenance of networking devices like, wireless Access Points with controller/switches/routers/ NGFW. iii. Supply and maintenance of networking passive components like Optical fiber, cat 6/6a cable, Racks,UPS,	The OEM/ bidder shall be in IT & ITES business for the last 7 years and shall have 7 years of experience as on date of floating of tender in all of the following areas: i. Supply and maintenance of servers and storage ii. Supply and maintenance of networking devices like, wireless Access Points with controller/switches/routers/ NGFW. iii. Supply and maintenance of networking passive components like Optical fiber, cat 6/6a cable, Racks,UPS,		As per corrigendum 1
368	Arceus	37	6.2/3	The Bidder should have satisfactorily completed at least three work orders for similar type of work each costing not less than Rs. 3,00,00,000/- in any Govt. department/ institutes in the last five years (executed as on date of submission of bid). OR The Bidder should have satisfactorily completed at least two work orders for similar type of work each costing not less than Rs.	The OEM/ Bidder should have satisfactorily completed at least three work orders for similar type of work each costing not less than Rs. 3,00,00,000/- in any Govt. department/ institutes in the last five years (executed as on date of submission of bid). OR The Bidder should have satisfactorily completed at least two work orders for similar type of work each costing not less than		As per corrigendum 1

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
				3,75,00,000/- in any Govt. department/ institutes in the last five years (executed as on date of submission of bid). OR The Bidder should have satisfactorily completed at least one work order for similar type of work costing not less than Rs. 6,00,00,000/- in any Govt. department/ institutes in the last five years (executed as on date of submission of bid).	Rs. 3,75,00,000/- in any Govt. department/ institutes in the last five years (executed as on date of submission of bid). OR The Bidder should have satisfactorily completed at least one work order for similar type of work costing not less than Rs. 6,00,00,000/- in any Govt. department/ institutes in the last five years (executed as on date of submission of bid).		
369	Arceus	40	6.2/3	Experience of Setting Up big Campus Network* project in the last Seven financial years * Note 1: Setting up of Campus area Networking (Active and Passive components) and related security (NGFW/equivalent) & monitoring system software (NMS, WLC)	Experience of Setting Up Smart City/ big Campus Network* project in the last Seven financial years * Note 1: Setting up of Campus area Networking (Active and Passive components) and related security (NGFW/equivalent) & monitoring system software (NMS, WLC)		As per corrigendum 1
370	Arceus	40	6.2/4	Bidder should have experience in maintaining at least two networkshaving 1000 nodes in the past seven financial years.	Bidder should have experience in maintaining at least two networkshaving 1000 nodes in the past seven financial years.		No Change
371	Legrand	Minimum Technical	95	Width - 550MM.	We will provide rack with 600mm width		As per corrigendum 1

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
		Specifications for Rack					
372	Legrand	Minimum Technical Specifications for Rack	95	Depth - 500MM.	We will provide 24U rack with 650mm depth		As per corrigendum 1
373	Legrand	Minimum Technical Specifications for Rack	95	Power Distribution Unit - PDU 1U,19" indian round pin socket 6x5Amp, with Indicator + 10 Amp fuse and 1.5 meter feed cable and 3 pin plug . S	We can provide 06 Amp Universal - 06 Socket - 16 Amp Switch with Indicator - 06 Amp Fuse - 06 Amp 3 Pin Plug with Power Cable 0.75 sq.mm 1.5 meter Length - Black Fine Tex. - Assembly		No Change
374	Legrand	Minimum Technical Specifications for Rack	95	Powder Coating - Nano Ceramic pre treatment process using zirconium coat (Thickness 80 to 100 Micron)	Rack with Epoxy polyester paint applied by electrostatic dusting (Thickness 60 to 80 Micron)		As per corrigendum 1
375	Legrand	Minimum Technical Specifications for Rack	95	Environmental - ROHS Compliant	We comply the procedure of powder coating but do not have certificate		No Change
376	Legrand	Protection	91	(1) Surge Protection: UPS should have UL recognized internal/external SPD with TCO (Thermal Cutoff) with LED indication Line-Neutral: (In=15kA, I _{max} >=40kA) Earth-Neutral:(In=15kA, I _{max} >=40kA)	UPS already have MOV type Surge. Kindly delete this item.		As per corrigendum 1
377	Legrand	Voltage range	91	160 - 300V @ 100% & 110V - 300V @ 50% load, +/-5V	Request to change 1 to 3 kVA : 176 - 300 VAC @ 76 - 100% load; 145 VAC @ 51 - 75% Load; 110VAC @ < 50% Load 5 to 10 kVA : 176 - 280 VAC @ 76 -		As per corrigendum 1

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
					100% load; 160 VAC @ 51 - 75% Load; 110 VAC @ < 50% Load		
378	Legrand	Overload capability:	92	· 1 min: 105% load rate with no bypass intervention	Kindly change it to <105 continuous		As per corrigendum 1
379	Legrand	Overload capability:	92	· 30 sec : 115% load rate with no bypass intervention	Kindly change it to 106~120 = 30 sec		As per corrigendum 1
380	Legrand	Max Charging Current	92	6 A (1/2/4/6A - Selectable)	External Charger acceptance required for 10 kVA UPS		As per corrigendum 1
381	Legrand	Bypass type	92	UPS must have Manual and Automatic Bypass	Manual Bypass need to delete. This will be optional line item in Rack Mounted UPS. Additional space is required for Manual bypass in Rack. So, request to delete this Manual bypass in this spec		As per corrigendum 1
382	Legrand	Output connections	93	Minimum 3nos Indian Type 5A/6A socket with Continuous UPS Output for Critical load	Request to delete this Indian Type Socket. Add for IEC sockets. Most of supplier have Rack Mounted UPS with IEC socket only for 1 to 3 kVA UPS. 10 kVA UPS applicable for terminal (due to more power)		As per corrigendum 1
383	Legrand	Digital Meters	93	Input Voltage, Input Frequency, Output voltage, Output Frequency, Battery Voltage, Battery Current, UPS Status, Load Level, Battery Level, Discharge Timer, Battery Disconnect and Fault Conditions	Request to delete battery discharge timer, battery level in display		As per corrigendum 1
384	Legrand	Smart Rack	96	The Racks should be minimum 2000mm 42U in height with 800mm Width and 1100mm Depth for Server & Networking application.	1200mm depth is suggested for better cable management and thermal management		No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
385	Legrand	Smart Rack	96	The Rack should have minimum 34U available usable Space.	Considering 42U Rack with 19" Rack Mountable 8U Cooling Unit, 10kVA UPS & Raw Power DB, the minimum available "U" Space left is only 28U. Hence request to amend the specification with Zero "U" Cooling System, so that we have 36U as free usable "U" space for IT Equipments.		As per corrigendum 1
386	Legrand	Smart Rack	97	The fans are designed to allow "hot replacement" in the event of faults, i.e. an individual faulty fan can be replaced without having to stop the entire unit, thus reducing system down time	Due to human safety reasons, it is not advisable to replace the faulty EC Fan in a very compact 8U height cooling unit when there is another EC fans running very next to the faulty one. Hence request to remove this clause.		As per corrigendum 1

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
387	Syndr ome			<p>The Bidder should have satisfactorily completed at least three work orders for similar type of work each costing not less than Rs. 3,00,00,000/- in any Govt. department/ institutes in the last five years (executed as on date of submission of bid).</p> <p>OR</p> <p>The Bidder should have satisfactorily completed at least two work orders for similar type of work each costing not less than Rs. 3,75,00,000/- in any Govt. department/ institutes in the last five years (executed as on date of submission of bid).</p> <p>OR</p> <p>The Bidder should have satisfactorily completed at least one work order for similar type of work costing not less than Rs. 6,00,00,000/- in any Govt. department/ institutes in the last five years (executed as on date of submission of bid).</p>	Can we provide PO of Private company rather than Government company since we deal with private companies more often.		As per corrigendum 1
388	Syndr ome			Solvency certificate issued from bank of bidder for minimum value of Rs. 3 crores; not more than 6 months old	We have solvency certificate which is more than 6 months old		No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
389	WEB EL		5	Last Date and Time for receipts of Bids	Request for atleast 15 working days time from the date of publishing the corrigendum		As per corrigendum 1
390	WEB EL		6	Performance Bank Guarantee (PBG)	Request you change the same to 3% as per the current circular.		Bidder is allowed to submit Performance Bank Guarantee equivalent to 3% of contract value to NITIE within 7 days from the date of receipt of Letter of Intent (LOI)/LOA.
391	WEB EL	V	30	Delivery Schedule	Request you to remove the penalty clause attached to the delivery schedule because there is a huge scarcity of Raw material is going on through out the globe related to networking equipment's. Non of the Major OEMs are in a position to maintain the delivery time line. Request you to take a feedback from the OEMs and change the delivery schedule to minimum 20 weeks from the placement of your PO. Also request you to extend the installation period to 8 weeks from 5 weeks as per the		As per corrigendum 1

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
					current schedule as there will be passive work also.		
392	WEB EL	VI	39	Marking Matrix Point No.1	You have asked for 100 nos. technical manpower but in the marking column you are asking for 200 nos. of Engineers for full marks. Request you to keep one term only that is "Technical Manpower" and not Engineers. Because as per our HR policy Engineers means Graduate Engineer only and not certified Engineers. An Organisation of INR 30 Cr. to 100 Cr. is very unlikely to have 200 graduate engineers.		No Change
393	WEB EL	VI	40	Marking Matrix Point No.2	Request you to change the value of Projects from 7, 12, 20 to 6, 9, 13 respectively		No Change
394	WEB EL	VII	44	Payment Terms	Request you to Change the X percentage to 80, Y percentage to 20% remove Z, take all collateral related to OEM back to back support. Also you are taking PBG. Releasing payment I three years add on interest cost and that's an extra outflow of Govt. Exchequer. Gaurantee can be provided in many ways for warranty support. Holding on Vendors money is a very old and crude process. Request you to amend the same.		No Change

S.No.	OEM /SI	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks	Response
395	WEB EL	V	28	Service Centre Setup	In the age of Globalisation you do not require a Office in every location to support your customer. More-over we have to give resident engineer, spare support will be from OEM and all L2 and L3 support are remote support currently. OEMs does not maintain any spare stock with the System Integrator. Failed to understand what's the use of an Office. More-over the Covid period has taught us how to operate with out an Office. This clause is not adding any value to support service, will only give some revenue to the local municipal authority. So request you to remove the same.		No Change