

Pre- bid Queries Responses

Date: 11.10.2021

NIT no. EdCIL/DES/NSU/2021/01 Dated: 17.09.2021

S.No.	Organisation	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks/Suggested Changes	Response
1	ECIL	V	20	Two internet connection links would be made available by the ISP at a central location	Please clarify, if the expenses incurred for Internet connection Links would be borne by the ISP.		ISP connection will be provided by NSU
2	ECIL		6	Earnest Money Deposit : Rs. 5,25,000/- in form of Bank Guarantee from a Scheduled Commercial/ Nationalized Bank in India/ Demand Draft. Scanned copy to be uploaded with tender documents and original BG/ DD has to be submitted along with documents as per the Instructions to bidders. In case EMD is submitted in the form of BG, the BG should be at least valid for 45 days beyond the bid validity date and should be as per Annexure-X	As per Memorandum No. F.9/4/2020-PPD Government of India Ministry of Finance Department of Expenditure Procurement Policy Division Dt. 12th November 2020, " Bid Security Delcaration" by the Bidder may please be accepted in lieu of Bid Security / EMD		No Change
3	ECIL		6	Performance Bank Guarantee (PBG) : 10% of the total work value from the successful bidder. PBG is	As per Memorandum No. F.9/4/2020-PPD Government of India Ministry of Finance Department of Expenditure		No Change

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				required to be submitted within 7 days from the date of issue of LOI/LOA as per Annexure-XI	Procurement Policy Division Dt. 12th nov 2020 " Performance Security from existing 5-10% to 3% of the value of the contract may please be accepted.		
4	CMS	Chapter VII	47	Payment Terms On Delivery : 40% On Installation & Commissioning : 40% After 1st Year : 10% After 2nd Year : 5% After 3rd Year : 5% Technical Manpower : End of Every Year AMC Payment : End of Every Year	Request to Change the Payment terms to On Delivery : 70% On Installation : 20% On Handover : 10% Technical Manpower : Should be made Monthly AMC Payment : Should be released Quarterly		As per Corrigendum-1
5	CMS	Chapter VI	41	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)	It is just restricted to Campus network only. As Campus is treated as very small network. Request you to Kindly allow for Govt / Sate / PSU's projects in last 7 years as these networks are much bigger than campus networks.		As per Corrigendum-1
6	CMS	Chapter VI	41	Bidder should have experience in maintaining at least two networks having 1000 nodes in the past three	Request to Change the Past three years to 7 Years as in Point no. 2 / Page 40 you have asked for 7 years of Experience in IT/ITES Business.		As per Corrigendum-1

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				financial years.			
7	CMS	HCI Software	119	Live Virtual Machine migration between different generations of CPUs in the same cluster with and without the need for shared storage option. Should support Live Virtual Machine migration long distances from one site to another with no disruption to users or loss of services, eliminating the need to schedule application downtime or business downtime.	Long distance live migration required both sites to be running the same infrastructure. Since EDCIL is asking for only one site right now, there is no need to buy the long distance license. Moreover, practically there is a small cutover time (few mins) when VM's are migrated from one site to other site.	Live Virtual Machine migration between different generations of CPUs in the same cluster with and without the need for shared storage option. Should support Live Virtual Machine migration long distances from one site to another with no <u>minimal</u> disruption to users or loss of services, eliminating the need to schedule <u>long</u> application downtime or business downtime.	As per Corrigendum-1
8	CMS	HCI Software	120	Should support all Virtualization benefits like VM HA, Live Migration, Resource Scheduling	Kindly confirm if you want this features configured from day 1. ?	Should support <u>provide</u> all Virtualization benefits like VM HA, Live Migration, Resource Scheduling	As per Corrigendum-1
9	CMS	HCI Software	121	Should be Hardware independent to provide flexibility of choosing hardware from any server manufacturer & should support mixing of different compatible Server brands in	Different server brands require separate clusters, but can be managed with the same management console.	Should be Hardware independent to provide flexibility of choosing hardware from any server manufacturer & should support mixing of different compatible Server brands	As per Corrigendum-1

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				same Cluster.		in same <u>HCI Cluster management tool</u> .	
10	CMS	HCI Software	121	Should provide a Data persistence framework offers modern stateful services, such as object storage and NoSQL databases, to integrate with the underlying virtual infrastructure	Kindly confirm if you want to run Object storage also from the same HCI platform. If yes, please confirm how many TB of object data EDCIL intends to store.		Yes object storage is required for upto 2TB
11	CMS	FORMAT FOR SUBMISSION OF FINANCIAL BID	127	Compute and Storage Virtualization Software with Central Management Software - minimum 4 SKTs with 3 years Support Subscription as per Specifications	8 Socket worth of licenses will be required for the asked HCI cluster. Kindly clarify	Compute and Storage Virtualization Software with Central Management Software - minimum <u>4 & 8 SKTs</u> with 3 years Support Subscription as per Specifications	As per Corrigendum-1
12	Netcon Technologies India Pvt Ltd	VII	45	Payment against Supply of Material 40%	Request Payment against Supply of Material to be Amended as 60%		As per Corrigendum-1
13	Netcon Technologies India Pvt Ltd	VII	47	10 % Performance Bank Gaurantee	Request 3 % PBG as per new GO Notification		No Change

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14	Netcon Technologies India Pvt Ltd	HCI Software	119	Live Virtual Machine migration between different generations of CPUs in the same cluster with and without the need for shared storage option. Should support Live Virtual Machine migration long distances from one site to another with no disruption to users or loss of services, eliminating the need to schedule application downtime or business downtime.	Long distance live migration required both sites to be running the same infrastructure. Since EDCIL is asking for only one site right now, there is no need to buy the long distance license. Moreover, practically there is a small cutover time (few mins) when VM's are migrated from one site to other site.	Live Virtual Machine migration between different generations of CPUs in the same cluster with and without the need for shared storage option. Should support Live Virtual Machine migration long distances from one site to another with no <u>minimal</u> disruption to users or loss of services, eliminating the need to schedule <u>long</u> application downtime or business downtime	As per Corrigendum-1
15	Netcon Technologies India Pvt Ltd	HCI Software	120	Should support all Virtualization benefits like VM HA, Live Migration, Resource Scheduling	Kindly confirm if you want this features configured from day 1. ?	Should support <u>provide</u> all Virtualization benefits like VM HA, Live Migration, Resource Scheduling	As per Corrigendum-1
16	Netcon Technologies India Pvt Ltd	HCI Software	121	Should be Hardware independent to provide flexibility of choosing hardware from any server manufacturer & should support mixing of different compatible Server brands in same Cluster.	Different server brands require separate clusters, but can be managed with the same management console	Should be Hardware independent to provide flexibility of choosing hardware from any server manufacturer & should support mixing of different compatible Server brands in same <u>HCI Cluster</u>	As per Corrigendum-1

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						<u>management tool.</u>	
17	Netcon Technologies India Pvt Ltd	HCI Software	121	Should provide a Data persistence framework offers modern stateful services, such as object storage and NoSQL databases, to integrate with the underlying virtual infrastructure	Kindly confirm if you want to run Object storage also from the same HCI platform. If yes, please confirm how many TB of object data EDCIL intends to store.		Yes object storage is required for upto 2TB
18	Netcon Technologies India Pvt Ltd	FORMAT FOR SUBMISSION OF FINANCIAL BID	127	Compute and Storage Virtualization Software with Central Management Software - minimum 4 SKTs with 3 years Support Subscription as per Specifications	8 Socket worth of licenses will be required for the asked HCI cluster. Kindly clarify	Compute and Storage Virtualization Software with Central Management Software - minimum 4 <u>8 SKTs</u> with 3 years Support Subscription as per Specifications	As per Corrigendum-1
19	Velocis Systems Pvt Ltd	ICT COMPONENTS SPECIFICATION Firewall		Sn-10) The OEM shall be consistently present in Leaders quadrant of Gartner's Magic Quadrant for the last three years (2020,2019, and 2018).	Request to modify the clause to The OEM shall be consistently present in Leaders/Challengers quadrant of Gartner's Magic Quadrant for the last three years (2020,2019, and 2018)		No Change
20	Velocis Systems Pvt Ltd	ICT COMPONENTS SPECIFICATION		Sn-10) 2. Basic IPv4 and IPv6 Static Routing, OSPF, BGP, ECMP, VXLAN and EVPN, Host Routes, Data center bridging (DCBX), PIM SM/DM	Request to modify the clause to Basic IPv4 and IPv6 Static Routing, OSPF, BGP, ECMP, VXLAN and EVPN, Host Routes, PIM SM/DM multicast, Virtual Interfaces, Routed		No Change

S.No.	Organisation	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks/Suggested Changes	Response
		Core SW		multicast, Virtual Interfaces, Routed Interfaces, Route Only an	Interfaces, Route Only an		
21	Velocis Systems Pvt Ltd	ICT COMPONENTS SPECIFICATION Distribution SW		6) Switch should have minimum 4 GB RAM, 4GB flash/SSD	Request to modify the clause to Switch should have minimum 16 GB RAM, 16GB flash/SSD		No Change
22	Velocis Systems Pvt Ltd	ICT COMPONENTS SPECIFICATION Distribution SW		Sn-9) 2. Basic IPv4 and IPv6 Static Routing, OSPF, BGP, ECMP, VXLAN and EVPN, Host Routes, Data center bridging (DCBX), PIM SM/DM multicast, Virtual Interfaces, Routed Interfaces, Route Only an	Request to modify the clause to Basic IPv4 and IPv6 Static Routing, OSPF, BGP, ECMP, VXLAN and EVPN, Host Routes, PIM SM/DM multicast, Virtual Interfaces, Routed Interfaces, Route Only an		No Change

S.No.	Organisation	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks/Suggested Changes	Response
23	Velocis Systems Pvt Ltd	ICT COMPONENTS SPECIFICATION 48 Port Poe/Non-POE Access Swiches		Sn-5) Stacking bandwidth: 40 Gbps or more	Request to modify the clause to Stacking bandwidth: 80 Gbps or more	The requested stacking bandwidth are in lower side. We are requesting to change this to higher for a fare competition and to have a better product without compromising the performance. In addition of this, we would like to recommend to add below 1) Switch should have support for MACSec/IEEE 802.1AE (access and uplink ports) for Data Confidentially & Integrity standard " 2)Should Support IPv6 Ready logo from day 1	No Change
24	Velocis Systems Pvt Ltd			1) 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 modify the clause to Type 1: 48-Port 10/100/1000 Mbps, 4 x 1G/10G SFP+ slots Type 2: 48-Port- 12XMig+ 36 10/100/1000 Mbps PoE/PoE+, 4 x 1G/10G SFP+ slots	Referring WIFI-AP Section, requested AP is WiFi 6 Capable. With 1G ports, we can't get the advantage of WiFi6. WiFi6 capable AP comes with Mig Ethernet ports. We suggest here, please consider 12 Mig ports to get the desired performance.	No Change

S.No.	Organisation	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks/Suggested Changes	Response
25	Velocis Systems Pvt Ltd	ICT COMPONENTS SPECIFICATION 24 Port Non PoE Access Switches		Sn-4) Stacking bandwidth: 40 Gbps or more	Request to modify the clause to Stacking bandwidth: 80 Gbps or more	The requested stacking bandwidth are in lower side. We are requesting to change this to higher for a fair competition and to have a better product without compromising the performance. In addition of this, we would like to recommend to add below 1) Switch should have support for MACSec/IEEE 802.1AE (access and uplink ports) for Data Confidentially & Integrity standard " 2)Should Support IPv6 Ready logo from day 1	No Change
26	Velocis Systems Pvt Ltd	ICT COMPONENTS SPECIFICATION NMS		Sn-4) Must provide centralized management that should be able to manage wired, wireless & security components of 3rd party OEMS's Must provide a system wide deployment of VLAN configuration and monitoring capabilities.	Request to modify the clause to Must provide centralized management that should be able to manage wired, wireless & security components of Same OEMS's Must provide a system wide deployment of VLAN configuration and monitoring capabilities.	RFP is asking NMS, wired and Wireless components should be from same OEMS. We are requesting here to remove this clause or modify as suggested.	No Change

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27	Velocis Systems Pvt Ltd	ICT COMPONENTS SPECIFICATION NMS		Sn-15) The OEM shall be consistently present in Leaders quadrant of Gartner's Magic Quadrant for the last three years (2020,2019, and 2018).	Request to modify the clause to Please remove this for NMS		No Change
28	Velocis Systems Pvt Ltd	ICT COMPONENTS SPECIFICATION AP Type 2		Sn-3) It should have minimum two (2) 1GbE RJ45 ports..	Request to modify the clause to The AP should have a minimum of 1x100,1000, 2500 Multigigabit Interface		As per corrigendum-1
29	Velocis Systems Pvt Ltd	ICT COMPONENTS SPECIFICATION AP Type 3		Sn-3) It should have minimum two (2) 1GbE RJ45 ports..	Request to modify the clause to The AP should have a minimum of 1x100,1000, 2500 Multigigabit Interface		As per corrigendum-1
30	Velocis Systems Pvt Ltd	ICT COMPONENTS SPECIFICATION AP Type 3		Sn-6) It should support minimum 500 Clients per AP or more..	Request to modify the clause to Request to remove the clause		As per corrigendum-1

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31	Velocis Systems Pvt Ltd	Instruction to Bidder: Site Survey		The successful bidder has to carry out site survey at all locations and prepare actual Bill of Materials required and project schedule within two weeks from the date of award of the contract/issue of Work Order	Request to clarify is the Autocad file will be shared for creating heatmaps	AutoCad Layout would be required in order to create heat map and prepare the actual quantity/placement of Wireless access points required for all location	The successful bidder shall be facilitated with available technical arrangements in order to support commissioning of project.
32	Velocis Systems Pvt Ltd	HCI Hardware Drives with Storage Controller		Minimum 2 SSD disks must be used for caching in each node. The nodes must be provided with atleast 16TB raw capacity in each of them, making sure SSD capacity is at least 20%, while remaining 80% can be on HDD's. Bidder must ensure 30000 IOPS from each node with a workload of 70:30 read:write ratio and up-to 8KB block size.	Request to modify the clause to minimum of 1 or 2 SSD disks. The solution should be able to provide required IOPS independent of SSD & HDD Configuration.		No Change
33	Velocis Systems Pvt Ltd	HCI Hardware Operating systems		Microsoft® Windows Server® with Hyper-V Red Hat® Enterprise Linux SUSE® Linux Enterprise Server	Request to add VMware as well		No Change
34	Velocis Systems Pvt	HCI Software		Solution must be configured using SSD and HDD. Minimum	Percentage should criteria should be removed.		No Change

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	Ltd			15% SSD.			
35	Velocis Systems Pvt Ltd	HCI Software		Should be enabled with data efficiency features like Erasure Coding, Deduplication & Compression on All- disk tiers.	Request to remove erasure coding for open participation.		No Change
36	Four C Plus (Internet) Co. Ltd.	Chapter VI	41	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)	Kindly change this to any Campus network as it is restricted as of now to only education campus. Please permit Govt / Sate / PSU's projects in last 7 years also.		As per corrigendum-1
37	Four C Plus (Internet) Co. Ltd.	Chapter VI	41	Bidder should have experience in maintaining at least two networks having 1000 nodes in the past three financial years.	Please change the Past 3 years to 7 Years as in Point no. 2 / Page 40 you have asked for 7 years of Experience in IT/ITES Business.		As per corrigendum-1
38	Four C Plus (Internet) Co. Ltd.	Chapter VII	47	Payment Terms On Delivery : 40% On Installation & Commissioning : 40% After 1st Year : 10% After 2nd Year : 5% After 3rd Year : 5% Technical Manpower : End of	Request sought Payment terms to be revised as On Delivery : 70% On Installation : 20% On Handover : 10% Technical Manpower : Monthly AMC Payment : Quarterly		As per corrigendum-1

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				Every Year AMC Payment : End of Every Year			
39	Bharat IT Services Limited	Chapter VI	41	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)	We request you to change the Campus network only as it is restricted to only education campus. As Campus is treated as very small network. Request you to Kindly allow for Govt / Sate / PSU's projects in last 7 years as these networks covers a heterogeneous type of equipment's.		As per corrigendum-1
40	Bharat IT Services Limited	Chapter VI	41	Bidder should have experience in maintaining at least two networks having 1000 nodes in the past three financial years.	Kindly request to Change the Past 3 years to 7 Years as in Point no. 2 / Page 40 you have asked for 7 years of Experience in IT/ITES Business.		As per corrigendum-1
41	Bharat IT Services Limited	Chapter VII	47	Payment Terms On Delivery : 40% On Installation & Commissioning : 40% After 1st Year : 10% After 2nd Year : 5% After 3rd Year : 5% Technical Manpower : End of Every Year AMC Payment : End of Every Year	Request sought Payment terms to be revised as On Delivery : 75% On Installation : 20% On Handover : 5% Technical Manpower : Payments to be made Monthly AMC Payment : Payments to be released Quarterly		As per corrigendum-1

S.No.	Organisation	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks/Suggested Changes	Response
42	Velocis Systems Pvt Ltd	Technical Specifications - UTM FIREWALL	99 of 128	Clause no. 1 - Next generation firewall should have minimum following Interfaces: 2 x 10GE SFP+ Slots, 4 x GE RJ45 Interfaces, 8 x GE SFP Slots, 1 x GE RJ45 Management Ports, 1 x USB Port.	Requesting you to please change the clause to - Next generation firewall should have minimum following Interfaces: 8 x 1/10GE SFP+ Slots, 4 x GE RJ45 Interfaces, 1 x GE RJ45 Management Ports, 1 x USB Port. As for segmenting the network - the requirement for 10G interfaces is higher, whereas the suggested ports - 8x1/10G will have capability to work as either 8x1G or 8x10G. this will meet the technical requirement. Requesting you to please amend the clause		No Change

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43	Velocis Systems Pvt Ltd	Technical Specifications - UTM FIREWALL	100 of 128	Clause no. 7 - Should support minimum NGFW Throughput - 9 Gbps, Threat Protection Throughput - 5.5 Gbps , Firewall 1518B (UDP)/ Firewall 1024B -19 Gbps, Concurrent Session - 8 Million, IPSEC VPN Throughput -18 Gbps,New Sessions Per Second-160000.	<p>1. Requesting you to please clarify the WAN / Internet bandwidth terminating on the Firewall. Considering 8Gbps link on a 9Gbps NGFW, please clarify how many users are expected to be connected from outside as IPSEC VPN users? We understand - Even as compared to the Firewall throughput (19Gbps with 1024B packet size) - the asked IPSEC VPN throughput is exceptionally higher. This needs to be in proportion to the IPSEC VPN users on the internet/WAN links, Requesting you to please reduce it to 8 Gbps for us to propose the equivalent product which shall meet the functional requirement.</p> <p>2. Different OEMs calculate the values differently, We calculate Throughput, max. concurrent sessions, max. new connections per second with Application Visibility and Control (AVC) enabled. Similarly, requesting you to please reduce the New Connections Per Second to 90K so that we can comply on the equivalent product.</p>		No Change

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44	Velocis Systems Pvt Ltd	Technical Specifications - UTM FIREWALL	100 of 128	The OEM shall be consistently present in Leaders quadrant of Gartner's Magic Quadrant for the last three years (2020,2019, and 2018).	Requesting you to please amend the clause - "The OEM should be a leader in Gartner Quadrant at least twice in last 3 years" . For us to comply and participate in the RFP.		No Change
45	Velocis Systems Pvt Ltd	Technical Specifications - Core Switch	101 of 128	Clause 1- Each Core Switch should have Minimum Forty-Eight (48) 1G/10G/25G SFP28 Slots and Minimum Eight (8) 40G/100G QSFP28 Slots.	Requesting to you please amend the clause as - "Each Core Switch should have Minimum Forty-Eight (48) 1G/10G/25G SFP28 Slots and Minimum four (4) 40G/100G QSFP28 Slots." We recommend the Core-to-Distribution connectivity on 25G thus optimizing the cost of transceivers, moreover proposing you to use dual active links between Core and Distribution using Link Aggregation to achieve 50G (bundling 2 x 25G links).		No Change
46	Velocis Systems Pvt Ltd	Technical Specifications - Core Switch	101 of 128	Clause 4 - Switching Bandwidth: The Core Switch should provide Non-Blocking switch fabric capacity of 4 Tbps (4,000 Gbps) or more.	Requesting you to please amend the clause as - Switching Bandwidth: The Core Switch should provide Non-Blocking switch fabric capacity of 3.2 Tbps (3,200 Gbps) or more. For a 48port 25G with 4x40/100G		No Change

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					uplink - the switching bandwidth = $(48 \times 25 \times 2) + (4 \times 100 \times 2) = 2400 + 800 = 3200$ Gbps or 3.2Tbps		
47	Velocis Systems Pvt Ltd	Technical Specifications - Core Switch	101 of 128	Clause 7 - Switch Should support minimum 100K Mac Table	Requesting you to please amend the clause - "Switch Should support minimum 80K Mac Table" for us to comply to the requirement		No Change
48	Velocis Systems Pvt Ltd	Technical Specifications - Core Switch	101 of 128	Clause 10 - 2. Basic IPv4 and IPv6 Static Routing, OSPF, BGP, ECMP, VXLAN and EVPN, Host Routes, Data center bridging (DCBX), PIM SM/DM multicast, Virtual Interfaces, Routed Interfaces, Route Only and Routing between directly connected subnets from day 1.	DCBX is generally used in DC-DR for L2 extensions - in particular for use with clustering and storage area networks. Requesting you to please remove (Data Center Bridging (DCBX) for us to comply to this requirement.		No Change
49	Velocis Systems Pvt Ltd	Technical Specifications - Core Switch	101 of 128	Clause 12 - Switch should have minimum 4 x Hot-Swappable FAN Assemblies with airflow options	Requesting you to please amend the clause - "Switch should have minimum 4 x Hot-Swappable FAN and support online insertion and removal of fans"		No Change

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50	Velocis Systems Pvt Ltd	Technical Specifications - Distribution Switch	102 of 128	Clause 1 - Aggregation /Distribution Switch should have minimum Twenty-Four (24) 1G/10G SFP+ Slots and minimum two (2) 40G QSFP+ Slots.	Requesting you to please amend the clause - "Aggregation /Distribution Switch should have minimum Twenty-Four (24) 1G/10G SFP+ Slots and minimum two (2) 25G QSFP+ Slots." We recommend the Core-to-Distribution connectivity on 25G thus optimizing the cost of transceivers, moreover proposing you to use dual active links between Core and Distribution using Link Aggregation to achieve 50G (bundling 2 x 25G links).		No Change
51	Velocis Systems Pvt Ltd	Technical Specifications - Distribution Switch	102 of 128	Clause 7 - Switch Should support minimum 200K Mac Table	The asked MAC addresses on Distribution are even higher than the Core Switch. Requesting you to please amend the clause - "Switch Should support minimum 32K Mac Table"		As per Corrigendum-1
52	Velocis Systems Pvt Ltd	Technical Specifications - Distribution Switch	102 of 128	Clause 9 - 1. Minimum 200K IPv4 and IPv6 routes	The asked IPv4/v6 routes are practically on very higher side - requesting you to please amend to - 1. Min. 39K IPv4 and 19.5K IPv6 routes		As per Corrigendum-1

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53	Velocis Systems Pvt Ltd	Technical Specifications - Distribution Switch	102 of 128	Clause 9 - 2. Basic IPv4 and IPv6 Static Routing, OSPF, BGP, ECMP, VXLAN and EVPN, Host Routes, Data center bridging (DCBX), PIM SM/DM multicast, Virtual Interfaces, Routed Interfaces, Route Only and Routing between directly connected subnets from day 1.	DCBX is generally used in DC-DR for L2 extensions - in particular for use with clustering and storage area networks. Requesting you to please remove (Data Center Bridging (DCBX) for us to comply to this requirement.		No Change
54	Velocis Systems Pvt Ltd	Technical Specifications - AP Type 2	110 of 128	Clause 3 - It Should have minimum two (2) 1GbE RJ45 ports.	Requesting you to please amend the clause - "It Should have minimum two (2) 1GbE or one(1) 1/2.5G mGig RJ45 ports."		As per corrigendum-1
55	Velocis Systems Pvt Ltd	Technical Specifications - AP Type 3	111 of 128	Clause 3 - It Should have minimum two (2) 1GbE RJ45 ports.	Requesting you to please amend the clause - "It Should have minimum two (2) 1GbE or one(1) 1/2.5G mGig RJ45 ports."		As per corrigendum-1
56	Velocis Systems Pvt Ltd	Technical Specifications - AP Type 3	111 of 128	Clause 7 - It should support Smart Mesh/Self-healing Mesh	Requesting you to please remove this clause mesh is required for outdoor deployments, not applicable in indoor AP requirement.		As per corrigendum-1

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57	Velocis Systems Pvt Ltd	Technical Specifications - 40G Transceiver	114 of 128	Clause 1 - Speed : 40Gbps	Requesting you to please amend the clause - Speed : 25Gbps The solution on 25G will be able to provide you cost effective solution, moreover, the configuration using Link aggregation will provide you 25G active active i.e. 50Gbps bandwidth between Core and Distribution layer.		No Change
58	Velocis Systems Pvt Ltd	Technical Specifications - HCI Hardware - Network Switches	118 of 128	Clause 1 - 28 Ports 10GbE SFP+ and 2x 100Gb QSFP28 Layer 3 Switch with 960Gbps Switching Capacity and 720 Mpps Throughput	Requesting you to please amend the clause - 24 Ports 10GbE SFP+ and 2x 40/100Gb QSFP28 Layer 3 Switch with 960Gbps Switching Capacity and 720 Mpps Throughput		As per corrigendum-1
59	Velocis Systems Pvt Ltd	Technical Specifications - HCI Hardware - OOB / Management Switch	119 of 128	48 line-rate GbE ports of copper, two combo ports for fiber/copper flexibility, and two integrated 10GbE SFP+ ports Stackable up to 12-units for high-density, high-availability aggregation and distribution	Requesting you to please amend the clause - "48 line-rate GbE ports of copper, two combo ports for fiber/copper flexibility, and two integrated 10GbE SFP+ ports should support HA Stackable up to 8-units for high-density, high-availability aggregation and distribution"		As per corrigendum-1

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60	Velocis Systems Pvt Ltd	Pre-Qualification/Eligibility Criteria	Page 37	Consortium of companies/firms is not allowed.	Request to allow Consortium / JV of two partners. Benefits to Organisation :-Combined experience and expertise of a consortium of companies (Lead Bidder / Member bidder should be allowed for eligibility). 2. Sharing best practices and learning from each other's expertise. 3. Wider participation of bidders leading to competition and better commercials for the Purchaser. 4. Capable bidder can get Financial support -specially in time of Covid - 19 when organisations are struggling with financial crunch.		No Change
61	Velocis Systems Pvt Ltd	Clause 4.5 EMD	Page 16	Request to waive off EMD	EMD has been exempted as per new Government notification-Letter No. F.9/4/2020/-PPD Dated 12 November 2020 of Procurement Policy Division, Department of Expenditure, Ministry of Finance for Bid Security / EMD		No Change
62	Velocis Systems Pvt Ltd	Clause 4.8 Performance Security	Page 17	Bank Guarantee may be reduced to 3% of the total Purchase order	PBG has been reduced to 3% as per Government - Letter No. F.9/4/2020/-PPD Dated 12 November 2020 of Procurement Policy Division, Department of Expenditure, Ministry of Finance for Performance Security		No Change

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63	Orbit Techsol India Pvt Ltd	Performance Bank Guarantee (PBG)	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	Kindly consider the PBG to be 3% of the total work value as per the govt. guidelines.		No Change
64	Orbit Techsol India Pvt Ltd	CHAPTER-V Scope of Work	19	NSU wishes to set up LAN for the entire campus and thus providing high connectivity, scalable, reliable, secure and robust network architecture.	Please clarify what is meant by high connectivity.		Tender is self explanatory
65	Orbit Techsol India Pvt Ltd	Chapter-VII IV. Delivery Schedule	31	Commissioning of all IT Hardware/ equipment. Within 19 weeks of issuance of Work Order.	Kindly increase the SITC timelines to at least 6 months also the delivery of laptops will take atleast 6 months due to shortage of assembly parts.	Delivery of product and commissioning 6 month	No Change
66	Orbit Techsol India Pvt Ltd	CHAPTER-V 5.24 Requirement of Key Personnel (Technical Manpower) for the NSU Campus.	34	1. The successful bidder shall deploy experienced resources (Network/Software Engineer) at the premise of university,	Kindly quantify the number of resources to be deployed at site. Also provide the details of shift timings for which the resources needs to be deployed.		Details are already mentioned in tender

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67	Orbit Techsol India Pvt Ltd	CHAPTER-VI 6.2 Pre-Qualification / Eligibility Criteria	39	Sr no.2 (iii) - Supply and maintenance of networking devices like I/Os, wireless Access Points with controller, switches, routers, network cabling, NGFW etc.	We are requesting you to please change this clause as Supply and maintenance of networking devices like IOs/ wireless Access Points with controller/ switches/ routers/ network cabling NGFW etc. As it is very rare to have all these items in one purchase order.	This should be changed to- Supply and maintenance of networking devices like IOs/ wireless Access Points with controller/ switches/ routers/ network cabling NGFW /Server/Storage etc.	As per Corrigendum-1
68	Orbit Techsol India Pvt Ltd	CHAPTER-VI Marking Matrix: In the below table, marking parameters for technical evaluation are mentioned:	42	Sr.no 3. 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). i. One Project of value more than Rs. 7 Crore - 8 Marks ii. One Project of value more than Rs. 15 Crore - 15 Marks iii. One Project of value more than Rs. 30 Crore – 20	We are requesting you to provide some relaxation in this clause for maximum participation. Kindly consider below. 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)/Setting up of multi-location project including Server/Storage/Router/Switch/Cabling/Wifi/Security.	i. One Project of campus wi-Fi (minimum 800 nos of AP installed) value 4 Crore - 8 Marks ii. One Project of Server/Storage/HCI/Laptop/Workstation value more than Rs. 7 Crore - 15 Marks iii. One Multi location Project Router/Switch/Server/Storage/HCI/Cabling of value more than Rs. 15 Crore – 20 Marks	As per corrigendum-1

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69	Orbit Techsol India Pvt Ltd	CHAPTER-VI Marking Matrix: In the below table, marking parameters for technical evaluation are mentioned:	42	Sr. no 4. Bidder should have experience in maintaining at least two networks having 1000 nodes in the past three financial years. 2 Contracts = 5 Marks 3 Contracts = 10 Marks >= 4 contracts = 15 Marks	We are requesting you to please consider- Bidder should have experience in maintaining at least two networks having 1000 nodes/Server,Storage,Switches,Security in the past 5 financial years value should have approx. 7 crore any Govt/Enterprise/Education/IT-ITES	1Contracts value 2 crore = 5 Marks 2 Contracts value 5 crore = 10 Marks >= 3 contracts value morethan 7 crore = 15 Marks	As per corrigendum-1
70	Orbit Techsol India Pvt Ltd	Chapter-VII 7.1 Payment Terms	46	Payment Milestone	Kindly change this payment term to X=80 %(Payment against Supply of All materials) Y= 10 %(Payment against Installation Z= 10% against commissioning shall be released after receipt)		As per corrigendum-1
71	Orbit Techsol India Pvt Ltd	General query	-	Query related to BOQ	Kinldy include below mentioned item as part of BOQ and define the quqntity 1. LFD Display 2. GI Pipe 3. HDPE Pipe 4. PVC Conduit		All the casing infrastructure should be facilitated in adequate amount for seamless encapsulation of passive

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							networking components.
72	Orbit Techsol India Pvt Ltd	General query	-	Scope of work related to existing infra	Kindly provide the detailed scope of work for any kind of migration and integration required with existing infra. Also share the existing infra details so that network architecture /solution can be prepared		Requisite work mentioned in tender is in parallel to the existing infrastructure
73	Orbit Techsol India Pvt Ltd	General query	-	Passive Cable Laying	kindly define the redundancy in terms of cable laying from core to distribution (OFC) , distribution to access(OFC) and access to access (CAT6A) required for uplink		Please refer diagram mentioned in tender.
74	Orbit Techsol India Pvt Ltd	General query	-	Access Point installation	Quantity of access point 415 POE injector quantity is 46 POE 48 port access switch quantity is 6 numbers ----- ----- kindly clarify how the power supply is considered for the AP's, because as per above detail POE switch and injector are not matching the AP quantities.		Quantities mentioned in the tender are as per present requirement

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75	Orbit Techsol India Pvt Ltd	General query	-	40G QSFP module requirement mentioned in BOQ quantity 26 numbers.	<p>As per our understanding minimum 30 numbers 40G QSFP modules are required. Calculation shown below kindly consider the same.</p> <p>-----</p> <p>-----</p> <p>core switch : 2 nos. distribution switch : 7 nos. core to distribution connectivity (40G) considering redundant uplink port =7x7x2=28 nos. core to core single uplink port 2 nos. total 40G QSFP required : 30 nos.</p>		Quantities mentioned in the tender is as per requirement
76	Orbit Techsol India Pvt Ltd	General query	-	Related to electrical SOW	Kindly provide the scope of work related to any electrical work if required apart from electrical work related to UPS installation.		Commensurate electrical works should be facilitated for seamless functioning of all the networking equipment installed in NSU.

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77	Orbit Techsol India Pvt Ltd	HCI Software	119	Live Virtual Machine migration between different generations of CPUs in the same cluster with and without the need for shared storage option. Should support Live Virtual Machine migration long distances from one site to another with no disruption to users or loss of services, eliminating the need to schedule application downtime or business downtime.	Long distance live migration required both sites to be running the same infrastructure. Since EDCIL is asking for only one site right now, there is no need to buy the long distance license. Moreover, practically there is a small cutover time (few mins) when VM's are migrated from one site to other site.	Live Virtual Machine migration between different generations of CPUs in the same cluster with and without the need for shared storage option. Should support Live Virtual Machine migration long distances from one site to another with no <u>minimal</u> disruption to users or loss of services, eliminating the need to schedule <u>long</u> application downtime or business downtime.	As per corrigendum-1
78	Orbit Techsol India Pvt Ltd	HCI Software	120	Should support all Virtualization benefits like VM HA, Live Migration, Resource Scheduling	Kindly confirm if you want this features configured from day 1. ?	Should support <u>provide</u> all Virtualization benefits like VM HA, Live Migration, Resource Scheduling	As per corrigendum-1
79	Orbit Techsol India Pvt Ltd	HCI Software	121	Should be Hardware independent to provide flexibility of choosing hardware from any server manufacturer & should support mixing of different compatible Server brands in same Cluster.	Different server brands require separate clusters, but can be managed with the same management console.	Should be Hardware independent to provide flexibility of choosing hardware from any server manufacturer & should support mixing of different compatible Server brands in same <u>HCI Cluster management tool</u> .	As per corrigendum-1

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80	Orbit Techsol India Pvt Ltd	HCI Software	121	Should provide a Data persistence framework offers modern stateful services, such as object storage and NoSQL databases, to integrate with the underlying virtual infrastructure	Kindly confirm if you want to run Object storage also from the same HCI platform. If yes, please confirm how many TB of object data EDCIL intends to store.		Yes object storage is required for upto 2TB
81	Orbit Techsol India Pvt Ltd	FORMAT FOR SUBMISSION OF FINANCIAL BID	127	Compute and Storage Virtualization Software with Central Management Software - minimum 4 SKTs with 3 years Support Subscription as per Specifications	8 Socket worth of licenses will be required for the asked HCI cluster. Kindly clarify	Compute and Storage Virtualization Software with Central Management Software - minimum 4 <u>8</u> SKTs with 3 years Support Subscription as per Specifications	As per corrigendum-1
82	HPE Aruba	Annexure XVIII Core Switch Point - 2	99	The Core Switch should support Virtual Switching System (VSS) or Virtual Chassis (VC) or VPC or equivalent Switch Clustering feature, where the Switch Clustering feature should combine multiple switches into a single network element.	Core switches will always be configured with maximum 2 switches in HA for redundancy. Multiple switches concept is applicable for access switches where multiple switches can be configured as virtual chassis. Our understanding is it will be minimum two switches, please clarify. Note: As per proposed architecture these are two switches.		As per the current requirement there is scope for two core switches.

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83	HPE Aruba	Annexure XVIII Core Switch Point - 7	100	Switch Should support minimum 100K Mac Table	100K Mac Table is huge for core switch. However there is a distribution/access layer to address the MAC layer forwarding request to relook in to this and modify the clause to moderate values which can suffice the requirement. Modified clause will be "Switch Should support minimum 90K Mac Table".		As per corrigendum-1
84	HPE Aruba	Annexure XVIII Core Switch Point - 10.1	100	Minimum 200K IPv4 and IPv6 routes	Routing table mentioned here is huge for campus core switch where routing requirements are addressed with minimum entries. IPv4 and IPv6 routes size will be different in nature. IPv6 routing table is lesser than IPv4 because IPv6 IP address size is of 128-bit whereas IPv4 address size is of 32-bits. Request to relook in to this and modify the clause to moderate values which can suffice the requirement. Modified clause will be "Shall support Minimum 128 K IPv4 routes and Minimum 32K IPv6 routes"		As per corrigendum-1

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85	HPE Aruba	Annexure XVIII Core Switch Point - 18	100	Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management	Request to consider PTP solution as option as all Gartner leader OEMs might not have the P2P solution. Bidder should be allowed to stitch the PTP solution along with wired and wireless infrastructure. Our understanding is Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management. However, P2P solution may or may not be same OEM. please clarify.		P2P solution may be facilitated from the OEM of reputed make as per the specifications mentioned in tender as well as corrigendum.
86	HPE Aruba	Annexure XVIII Distribution Switch Point - 3	101	The Switch should support Virtual Switching System (VSS) or Virtual Chassis (VC) or VPC or equivalent Switch Clustering feature, where the Switch Clustering feature should combine multiple switches into a single network element.	Distribution switches will always be configured with maximum 2 switches in HA for redundancy. Multiple switches concept is applicable for access switches where multiple switches can be configured as virtual chassis. Our understanding is it will be minimum two switches, please clarify. Note: As per proposed architecture it is one switch		As per the current requirement there is scope for one distribution switch at one location.

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87	HPE Aruba	Annexure XVIII Distribution Switch Point - 3	102	Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management	Request to consider PTP solution as option as all Gartner leader OEMs might not have the P2P solution. Bidder should be allowed to stitch the PTP solution along with wired and wireless infrastructure. Our understanding is Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management. However, P2P solution may or may not be same OEM. please clarify.		P2P solution may be facilitated from the OEM of reputed make as per the specifications mentioned in tender as well as corrigendum.
88	HPE Aruba	Annexure XVIII DMZ switch Point - 4	102	Should support Stacking of minimum 05 Switches or more in a stack or equivalent and should be configured with stacking ports from day 1.	Out of 4*10SFP+ Ports two ports can be configured as stacking ports and additional ports can be utilized as uplink ports. Our understanding from the clause should be configured with two stacking ports is to configure two of the uplink ports are as stacking ports at day 1. Please clarify.		Stacking ports must be separate from ports mentioned in specification.
89	HPE Aruba	Annexure XVIII DMZ switch Point - 13	103	Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management	Request to consider PTP solution as option as all Gartner leader OEMs might not have the P2P solution. Bidder should be allowed to stitch the PTP solution along with wired and wireless infrastructure. Our understanding is Switches, Transceivers, NMS and wireless		P2P solution may be facilitated from the OEM of reputed make as per the specifications mentioned in tender as well as

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					equipment should be from same OEM for ease of integration and management. However, P2P solution may or may not be same OEM. please clarify.		corrigendum.
90	HPE Aruba	Annexure XVIII 48 Port PoE/PoE+ /Non PoE Point - 10	104	Switch Should have internal redundant power supplies with fan module from day one	Redundant fan modules generally comes with chassis based switches and not with standalone access switches. Please modify the clause as "Switch Should have internal redundant power supplies with inbuilt fan". Request to remove the fan module from the clause.		No change
91	HPE Aruba	Annexure XVIII 48 Port PoE/PoE+ /Non PoE Point - 13	104	Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management	Request to consider PTP solution as option as all Gartner leader OEMs might not have the P2P solution. Bidder should be allowed to stich the PTP solution along with wired and wireless infrastructure. Our understanding is Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management. However, P2P solution may or may not be same OEM. please clarify.		P2P solution may be facilitated from the OEM of reputed make as per the specifications mentioned in tender as well as corrigendum.

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92	HPE Aruba	Annexure XVIII 24 Port Switch Non PoE Point - 9	105	Switch Should have Internal redundant power supplies with fan module from day one	Redundant fan modules generally comes with chassis based switches and not with standalone access switches. Please modify the clause as "Switch Should have internal redundant power supplies with inbuilt fan". Request to remove the fan module from the clause.		No change
93	HPE Aruba	Annexure XVIII 24 Port Switch Non PoE Point - 12	105	Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management	Request to consider PTP solution as option as all Gartner leader OEMs might not have the P2P solution. Bidder should be allowed to stich the PTP solution along with wired and wireless infrastructure. Our understanding is Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management. However, P2P solution may or may not be same OEM. please clarify.		P2P solution may be facilitated from the OEM of reputed make as per the specifications mentioned in tender as well as corrigendum.
94	HPE Aruba	Annexure XVIII 12 Port PoE+ Point - 2	105	Should provide minimum 190 W PoE budget	12 port access switch is never going to be connected to full capacity with access points/PoE devices. Normally max. 8 nos. PoE devices can be connected. hence max. 120w PoE budget is sufficient for 12 Ports PoE switch. Also connected end device power consumption will not be similar always. Considering		No change

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					all these parameters we request to modify the power budget to minimum 120W.		
95	HPE Aruba	Annexure XVIII 12 Port PoE+ Point - 6	106	Switch Should support internal/ external redundant power supply from day one.	Normally redundant power supply required in either core switch, distribution switch, 48 Ports access switch or 24 Ports access switches. 12 ports PoE switches will be used to connect end devices. and this is standard for all leading OEMs. Request to kindly remove this clause so that leading OEM can participate.		No change
96	HPE Aruba	Annexure XVIII 12 Port PoE+ Point - 9	106	Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management	Request to consider PTP solution as option as all Gartner leader OEMs might not have the P2P solution. Bidder should be allowed to stitch the PTP solution along with wired and wireless infrastructure. Our understanding is Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management. However, P2P solution may or may not be same OEM. please clarify.		P2P solution may be facilitated from the OEM of reputed make as per the specifications mentioned in tender as well as corrigendum.

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97	HPE Aruba	Annexure XVIIIWLC Point - 9	106	Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management	Request to consider PTP solution as option as all Gartner leader OEMs might not have the P2P solution. Bidder should be allowed to stich the PTP solution along with wired and wireless infrastructure. Our understanding is Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management. However, P2P solution may or may not be same OEM. please clarify.		P2P solution may be facilitated from the OEM of reputed make as per the specifications mentioned in tender as well as corrigendum.
98	HPE Aruba	Annexure XVIII AP Type 1 Point - 9	108	Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management	Request to consider PTP solution as option as all Gartner leader OEMs might not have the P2P solution. Bidder should be allowed to stich the PTP solution along with wired and wireless infrastructure. Our understanding is Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management. However, P2P solution may or may not be same OEM. please clarify.		P2P solution may be facilitated from the OEM of reputed make as per the specifications mentioned in tender as well as corrigendum.

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99	HPE Aruba	Annexure XVIII AP Type 2 Point - 1	109	It should be Dual-band 802.11abgn/ax, Wireless Indoor Access Point with Multi-Gigabit Ethernet backhaul, 4x4:4 streams, MU-MIMO.	Our understanding on 4x4:4 stream support should be available on 5 GHz band. Please clarify or kindly 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 5Ghz and 2x2:2 stream in 2.4Ghz, MU-MIMO."		As per corrigendum-1
100	HPE Aruba	Annexure XVIII AP Type 2 Point - 2	109	It should provide minimum concurrent data rate of 4800 Mbps	Data rates are always varied when we compare it with real world throughputs. NSU shall ask for the real throughput which is delivered by the proposed Access point. Please modify the clause to "It should provide minimum real-world throughput of 2000 Mbps"		No change
101	HPE Aruba	Annexure XVIII AP Type 2 Point - 7	109	Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management	Request to consider PTP solution as option as all Gartner leader OEMs might not have the P2P solution. Bidder should be allowed to stich the PTP solution along with wired and wireless infrastructure. Our understanding is Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management. However, P2P solution may or may not be same OEM. please clarify.		P2P solution may be facilitated from the OEM of reputed make as per the specifications mentioned in tender as well as corrigendum.

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102	HPE Aruba	Annexure XVIII AP Type 3 Point - 1	110	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)	Dual 5GHz support is needed only for the high density wifi endpoints within a small proximity and leads to an expensive solution too. Though Aruba too support dual 5GHZ APs, by considering your kind of an environment, we suggest to amend the same by removing the dual 5GHz from the clause. Modified clause shall be read as "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"		No change
103	HPE Aruba	Annexure XVIII AP Type 3 Point - 2	110	It should provide minimum concurrent data rate of 4800 Mbps.	Data rates are always varied when we compare it with real world throughputs. NSU shall ask for the real throughput which is delivered by the proposed Access point. Please modify the clause to "It should provide minimum real-world throughput of 2800 Mbps"		No change
104	HPE Aruba	Annexure XVIII AP Type 3 Point - 2	110	Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management	Request to consider PTP solution as option as all Gartner leader OEMs might not have the P2P solution. Bidder should be allowed to stich the PTP solution along with wired and wireless infrastructure. Our understanding is Switches, Transceivers, NMS and wireless		P2P solution may be facilitated from the OEM of reputed make as per the specifications mentioned in tender as well as

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					equipment should be from same OEM for ease of integration and management. However, P2P solution may or may not be same OEM. please clarify.		corrigendum.
105	HPE Aruba	Annexure XVIII NMS Point - 2	111	NMS should be hardware/appliance-based controller OR software/virtual machine-based. Must be able to support minimum 500 devices from day one and should be scalable to support minimum 2500 devices on the same appliance	Request to accept Cloud based NMS also which can offer more Proactive approach, flexibility and artificial intelligence insights with machine learning capabilities with unlimited scalability. Modified clause will be "NMS should be hardware/appliance-based controller OR software/virtual machine-based or it can be cloud based. Must be able to support minimum 500 devices from day one and should be scalable to support minimum 2500 devices on the same appliance"		No change
106	HPE Aruba	Annexure XVIII NMS Point - 4	111	Must provide centralized management that should be able to manage wired, wireless & security components of 3rd party OEMS's Must provide a system wide deployment of VLAN configuration and monitoring capabilities.	Security components will have separate management and NMS will have to deal with wired and wireless infrastructure in general. Please remove the Security components of 3rd party OEMs from the clause. Modified clause will be "Must provide centralized management that should be able to manage wired, wireless devices and		No change

S.No.	Organisation	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks/Suggested Changes	Response
					Must provide a system wide deployment of VLAN configuration and monitoring capabilities."		
107	HPE Aruba	Annexure XVIII NMS Point - 16	113	Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management	Request to consider PTP solution as option as all Gartner leader OEMs might not have the P2P solution. Bidder should be allowed to stich the PTP solution along with wired and wireless infrastructure. Our understanding is Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management. However, P2P solution may or may not be same OEM. please clarify.		P2P solution may be facilitated from the OEM of reputed make as per the specifications mentioned in tender as well as corrigendum.
108	HPE Aruba	Annexure XVIII Core Switch New addition	100	Switch should support REST APIs/Open flow Or equivalent programmability of network tasks	Recommending this clause to be included in all proposed switches so that programmability/automation of network task can be possible in NSU campus network.		No change
109	HPE Aruba	Annexure XVIII Distribution New addition	102	Switch should support REST APIs/Open flow Or equivalent programmability of network tasks	Recommending this clause to be included in all proposed switches so that programmability/automation of network task can be possible in NSU campus network.		No change

S.No.	Organisation	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks/Suggested Changes	Response
110	HPE Aruba	Annexure XVIII 48 Port PoE/PoE+ /Non PoE Point - 4	103	Should support Stacking of minimum 05 Switches or more in a stack or equivalent and should be configured with dedicated stacking port (in addition to the above port count) stacking ports from day 1.	Stacking support shall be increased to minimum 8 units as campus access switches will be keep on increasing and new switches will be getting added. Considering the current and future requirements it is recommended to have support up to 8 switches in single stack.		No change
111	HPE Aruba	Annexure XVIII 48 Port PoE/PoE+ /Non PoE New addition	104	Switch should support REST APIs/Open flow Or equivalent programmability of network tasks	Recommending this clause to be included in all proposed switches so that programmability/automation of network task can be possible in NSU campus network.		No change
112	HPE Aruba	Annexure XVIII 24 Port Switch Non PoE Point - 3	104	Should support Stacking of minimum 05 Switches or more in a stack or equivalent and should be configured with stacking ports from day 1.	Stacking support shall be increased to minimum 8 units as campus access switches will be keep on increasing and new switches will be getting added. Considering the current and future requirements it is recommended to have support up to 8 switches in single stack.		No change
113	HPE Aruba	Annexure XVIII 24 Port Switch Non PoE New addition	104	Switch should support REST APIs/Open flow Or equivalent programmability of network tasks	Recommending this clause to be included in all proposed switches so that programmability/automation of network task can be possible in NSU campus network.		No change

S.No.	Organisation	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks/Suggested Changes	Response
114	HPE Aruba	Annexure XVIII 12 Port PoE+ New addition	106	Switch should support REST APIs/Open flow Or equivalent programmability of network tasks	Recommending this clause to be included in all proposed switches so that programmability/automation of network task can be possible in NSU campus network.		No change
115	HPE Aruba	Annexure XVIII WLC Point - 1	106	WLAN Controller should be hardware/appliance-based controller OR software/virtual machine-based controller loaded with 500 AP Licenses from day one and should be scalable and support up to 1000 APs in a single 1 RU chassis with licenses upgrade. Note: Software/COTS VM based WLAN controller should be accompanied with all the requisite hardware, licenses, software without incurring any extra cost/burden on NSU and the cost quoted for Software/COTS VM based WLAN Controller should comprise the total incurred cost of the entire system (hardware, license, software and all other requisite components).	VM based controller not recommended for encryption performance and however it needs the additional hardware resources as well. We recommend dedicated hardware controller to deliver better encryption performance and request to remove the VM controller from the clause. Modified clause will be " WLAN Controller should be hardware/appliance-based controller loaded with 500 AP Licenses from day one and should be scalable and support up to 1000 APs in a single 1 RU chassis with licenses upgrade."		No change

S.No.	Organisation	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks/Suggested Changes	Response
116	HPE Aruba	Annexure XVIII WLC Point - 2	106	High availability should be provided for controllers. In the event of a failure of the hardware/VM Based controller, another controller shall automatically take over the role.	VM based controller not recommended for encryption performance and however it needs the additional hardware resources as well. We recommend dedicated hardware controller to deliver better encryption performance and request to remove the VM controller from the clause. Modified clause will be " High availability should be provided for controllers. In the event of a failure of the hardware, another controller shall automatically take over the role."		No change
117	HPE Aruba	Annexure XVIII WLC Point - 3	107	Controller should have capacity to handle minimum 10000 or more Concurrent devices and Minimum 60,000 for future support either through cluster or through a single hardware.	For 1000AP supported controller it is recommended to have minimum 20000 or more concurrent devices even if we consider 2 concurrent device per AP. Please modify the clause to "Controller should have capacity to handle minimum 20000 or more Concurrent devices and Minimum 60,000 for future support either through cluster or through a single hardware."		No change

S.No.	Organisation	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks/Suggested Changes	Response
118	HPE Aruba	Annexure XVIII WLC New	107	Should have support for WIDS/WIPS , ARP Spoofing Detection and prevention WIPS solution should detect & prevent an Ad-hoc connection as well as windows bridge The WIPS solution should able to detect and prevent common RF attacks like HotSpot, FATA-jack, OMERa etc. Wireless LAN solution shall be capable of identifying sources of WIFI and NON-Wifi interferences and output should be displayed in minimum 5 different UI Charts to make it easy for trouble shooting. Should have support for Rogue AP Detection and prevention, Honeypot AP's detection, misconfigured AP's detection. WLAN solution should prevent students to use their Laptops and systems as DHCP server, as this can bring entire network down. WLAN system must be able to blacklist users who	Wireless controller should have support for the mentioned security (IDS/IPS) Features so as to ensure wireless security for university users.		No change

S.No.	Organisation	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks/Suggested Changes	Response
				intended to disconnect other users from AP using free software's like netcut etc day one.			
119	HPE Aruba	Annexure XVIII AP Type 1 Point - 6	108	Minimum data rates of 1200 mbps	Data rates are always varied when we compare it with real world throughputs. NSU shall ask for the real throughput which is delivered by the proposed Access point. Please modify the clause to "It should provide minimum real-world throughput of 1200 Mbps"		No change
120	HPE Aruba	Annexure XVIII AP Type 1 New	108	AP proposed shall be Wi-fi 6 certified by the Wi-Fi alliance	It is recommended to ask for Wi-Fi certified access point by the Wi-Fi alliance to have tested and proven/certified hardware.		No change
121	HPE Aruba	Annexure XVIII AP Type 2 Point - 1	109	It should be Dual-band 802.11abgn/ax, Wireless Indoor Access Point with Multi-Gigabit Ethernet backhaul, 4x4:4 streams, MU-MIMO.	OFDMA allows access point to handle multiple Wi-Fi6 capable clients on each channel simultaneously, regardless of device type. channel utilization is optimized using this. Hence request to add this to the clause. modified clause will be "It should be Dual-band 802.11abgn/ax, Wireless Indoor Access Point with Multi-Gigabit Ethernet backhaul, 4x4:4 streams on 5 GHz radio, MU-MIMO		No change

S.No.	Organisation	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks/Suggested Changes	Response
					and OFDMA"		
122	HPE Aruba	Annexure XVIII AP Type 2 Point - 3	109	It Should have minimum two (2) 1GbE RJ45 ports.	It is recommended to have minimum one multigigabit interface for Wi-Fi6 access points to support maximum bandwidth at backhaul switch connectivity. Modified clause should be as "It Should have minimum two (2) 1GbE RJ45 ports with minimum one Multi-Gigabit (1/2.5Gbps) ethernet port."		As per corrigendum-1
123	HPE Aruba	Annexure XVIII AP Type 2 New	109	AP proposed shall be Wi-fi 6 certified by the Wi-Fi alliance	It is recommended to ask for Wi-Fi certified access point by the Wi-Fi alliance to have tested and proven/certified hardware.		No change
124	HPE Aruba	Annexure XVIII AP Type 3 New	110	AP proposed shall be Wi-fi 6 certified by the Wi-Fi alliance	It is recommended to ask for Wi-Fi certified access point by the Wi-Fi alliance to have tested and proven/certified hardware.		No change
125	Acer India (P) Ltd	Pre-Qualification/Eligibility Criteria	Page 37 of 128	Consortium of companies/ firms is not allowed.	Request to allow Consortium / JV of two partners. Benefits to Organisation :- Participation of bidders as consortium of two partners/agencies as this will bring in a lot of commonality of efforts, Specialization of technical expertise and Business expertise and economic viability for procurements		No change

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					<p>done by prestigious Institutions like EdCIL which funded by Gol. Further this allows removal of any restrictive condition.</p> <p>Hence to serve with best of breed solution and commercial exposure the combination of experience and expertise of a consortium of companies (Lead Bidder / Member bidder should be allowed for eligibility) it allows fair participation. 2. Sharing synergies and learning from each other's expertise. 3. Wider participation of bidders leading to competition and better commercials for the Purchaser. 4. Capable bidder can get Financial support -specially in time of Covid - 19 when organisations are struggling with financial crunch.</p>		
126	Acer India (P) Ltd	Pre-Qualification/Eligibility Criteria	Page 40 of 128	The bidder should submit valid undertaking from the OEM for Hardware/ Equipment, confirming the following:	Request to allow only bidder of JV/consortium to be atleast Gold partners of the OEM so as to allow OEM qualified bidders to participate.This encourages only serious bidders to participate in JV		No change
127	Acer India (P) Ltd	Clause 4.5 EMD	Page 16 of 128	Request to waive off EMD	EMD has been exempted as per new Government notification-Letter No. F.9/4/2020/-PPD Dated		No change

S.No.	Organisation	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks/Suggested Changes	Response
					12 November 2020 of Procurement Policy Division, Department of Expenditure, Ministry of Finance for Bid Security / EMD		
128	Acer India (P) Ltd	Clause 4.8 Performance Security	Page 17	Bank Guarantee may be reduced to 3% of the total Purchase order	PBG has been reduced to 3% as per Government - Letter No. F.9/4/2020/-PPD Dated 12 November 2020 of Procurement Policy Division, Department of Expenditure, Ministry of Finance for Performance Security		No change
129	Acer India (P) Ltd	Instruction to Bidder: Site Survey	Page 19 of 128	The successful bidder has to carry out site survey at all locations and prepare actual Bill of Materials required and project schedule within two weeks from the date of award of the contract/issue of Work Order	Request to clarify is the Autocad file will be shared for creating heatmaps; AutoCad Layout would be required in order to create heat map and prepare the actual quantity/placement of Wireless access points required for all location		The successful bidder shall be facilitated with available technical arrangements in order to support commissioning of project.
130	Acer India (P) Ltd	Specifications - UTM FIREWALL	Page 100 of 128	The OEM shall be consistently present in Leaders quadrant of Gartner's Magic Quadrant for the last three years (2020,2019, and 2018).	Requesting you to please amend the clause - "The OEM should be a leader in Gartner Quadrant at least twice in last 3 years" . For lead OEMs to comply and participate in the RFP.		No change

S.No.	Organisation	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks/Suggested Changes	Response
131	Acer India (P) Ltd	Technical Specifications - UTM FIREWALL	Page 99 of 128	Clause no. 1 - Next generation firewall should have minimum following Interfaces: 2 x 10GE SFP+ Slots, 4 x GE RJ45 Interfaces, 8 x GE SFP Slots, 1 x GE RJ45 Management Ports, 1 x USB Port.	Requesting you to please change the clause to - Next generation firewall should have minimum following Interfaces: 8 x 1/10GE SFP+ Slots, 4 x GE RJ45 Interfaces, 1 x GE RJ45 Management Ports, 1 x USB Port. As for segmenting the network - the requirement for 10G interfaces is higher, whereas the suggested ports - 8x1/10G will have capability to work as either 8x1G or 8x10G. this will meet the technical requirement. Requesting you to please amend the clause		No change

S.No.	Organisation	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks/Suggested Changes	Response
132	Acer India (P) Ltd	Technical Specifications - UTM FIREWALL	Page 100 of 128	Clause no. 7 - Should support minimum NGFW Throughput - 9 Gbps, Threat Protection Throughput - 5.5 Gbps , Firewall 1518B (UDP)/ Firewall 1024B -19 Gbps, Concurrent Session - 8 Million, IPSEC VPN Throughput -18 Gbps,New Sessions Per Second-160000.	<p>1. Requesting you to please clarify the WAN / Internet bandwidth terminating on the Firewall. Considering 8Gbps link on a 9Gbps NGFW, please clarify how many users are expected to be connected from outside as IPSEC VPN users? We understand - Even as compared to the Firewall throughput (19Gbps with 1024B packet size) - the asked IPSEC VPN throughput is exceptionally higher. This needs to be in proportion to the IPSEC VPN users on the internet/WAN links, Requesting you to please reduce it to 8 Gbps for us to propose the equivalent product which shall meet the functional requirement.</p> <p>2. Different OEMs calculate the values differently, We calculate Throughput, max. concurrent sessions, max. new connections per second with Application Visibility and Control (AVC) enabled. Similarly, requesting you to please reduce the New Connections Per Second to 90K so that we can comply on the equivalent product.</p>		No change

S.No.	Organisation	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks/Suggested Changes	Response
133	Acer India (P) Ltd	Technical Specifications - Core Switch	Page 101 of 128	Clause 1- Each Core Switch should have Minimum Forty-Eight (48) 1G/10G/25G SFP28 Slots and Minimum Eight (8) 40G/100G QSFP28 Slots.	<p>Requesting to you please amend the clause as -</p> <p>"Each Core Switch should have Minimum Forty-Eight (48) 1G/10G/25G SFP28 Slots and Minimum four (4) 40G/100G QSFP28 Slots."</p> <p>We recommend the Core-to-Distribution connectivity on 25G thus optimizing the cost of transceivers, moreover proposing you to use dual active links between Core and Distribution using Link Aggregation to achieve 50G (bundling 2 x 25G links).</p>		No change
134	Acer India (P) Ltd	Technical Specifications - Core Switch	Page 101 of 128	Clause 4 - Switching Bandwidth: The Core Switch should provide Non-Blocking switch fabric capacity of 4 Tbps (4,000 Gbps) or more.	<p>Requesting you to please amend the clause as - Switching Bandwidth: The Core Switch should provide Non-Blocking switch fabric capacity of 3.2 Tbps (3,200 Gbps) or more.</p> <p>For a 48port 25G with 4x40/100G uplink - the switching bandwidth = $(48 \times 25 \times 2) + (4 \times 100 \times 2) = 2400 + 800 = 3200$ Gbps or 3.2Tbps</p>		No change

S.No.	Organisation	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks/Suggested Changes	Response
135	Acer India (P) Ltd	Technical Specifications - Core Switch	Page 101 of 128	Clause 7 - Switch Should support minimum 100K Mac Table	Requesting you to please amend the clause - "Switch Should support minimum 80K Mac Table" for us to comply to the requirement		As per corrigendum-1
136	Acer India (P) Ltd	Technical Specifications - Core Switch	Page 101 of 128	Clause 10 - 2. Basic IPv4 and IPv6 Static Routing, OSPF, BGP, ECMP, VXLAN and EVPN, Host Routes, Data center bridging (DCBX), PIM SM/DM multicast, Virtual Interfaces, Routed Interfaces, Route Only and Routing between directly connected subnets from day 1.	DCBX is generally used in DC-DR for L2 extensions - in particular for use with clustering and storage area networks. Requesting you to please remove (Data Center Bridging (DCBX) for us to comply to this requirement.		No change
137	Acer India (P) Ltd	Technical Specifications - Core Switch	Page 101 of 128	Clause 12 - Switch should have minimum 4 x Hot-Swappable FAN Assemblies with airflow options	Requesting you to please amend the clause - "Switch should have minimum 4 x Hot-Swappable FAN and support online insertion and removal of fans"		No change
138	Acer India (P) Ltd	Technical Specifications - Distribution Switch	Page 102 of 128	Clause 1 - Aggregation /Distribution Switch should have minimum Twenty-Four (24) 1G/10G SFP+ Slots and minimum two (2) 40G QSFP+ Slots.	Requesting you to please amend the clause - "Aggregation /Distribution Switch should have minimum Twenty-Four (24) 1G/10G SFP+ Slots and minimum two (2) 25G QSFP+ Slots." We recommend the Core-to-Distribution connectivity on 25G thus optimizing the cost of transceivers, moreover proposing		No Change

S.No.	Organisation	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks/Suggested Changes	Response
					you to use dual active links between Core and Distribution using Link Aggregation to achieve 50G (bundling 2 x 25G links).		
139	Acer India (P) Ltd	Technical Specifications - Distribution Switch	Page 102 of 128	Clause 7 - Switch Should support minimum 200K Mac Table	The asked MAC addresses on Distribution are even higher than the Core Switch. Requesting you to please amend the clause - "Switch Should support minimum 32K Mac Table"		As per corrigendum-1
140	Acer India (P) Ltd	Technical Specifications - Distribution Switch	Page 102 of 128	Clause 9 - 1. Minimum 200K IPv4 and IPv6 routes	The asked IPv4/v6 routes are practically on very higher side - requesting you to please amend to - 1. Min. 39K IPv4 and 19.5K IPv6 routes		As per corrigendum-1
141	Acer India (P) Ltd	Technical Specifications - Distribution Switch	Page 102 of 128	Clause 9 - 2. Basic IPv4 and IPv6 Static Routing, OSPF, BGP, ECMP, VXLAN and EVPN, Host Routes, Data center bridging (DCBX), PIM SM/DM multicast, Virtual Interfaces, Routed Interfaces, Route Only and Routing between directly connected subnets from day 1.	DCBX is generally used in DC-DR for L2 extensions - in particular for use with clustering and storage area networks. Requesting you to please remove (Data Center Bridging (DCBX) for us to comply to this requirement.		No Change

S.No.	Organisation	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks/Suggested Changes	Response
142	Acer India (P) Ltd	ICT COMPONENTS SPECIFICATION 48 Port Poe/Non-POE Access Swtiches	Page 103 of 128	Stacking bandwidth: 40 Gbps or more	Request to modify the clause to Stacking bandwidth: 80 Gbps or more ; The requested stacking bandwidth are in lower side. We are requesting to change this to higher for a fare competition and to have a better product without compromising the performance. In addition of this, we would like to recommend to add below 1) Switch should have support for MACSec/IEEE 802.1AE (access and uplink ports) for Data Confidentially & Integrity standard " 2)Should Support IPv6 Ready logo from day 1		No Change
143	Acer India (P) Ltd	ICT COMPONENTS SPECIFICATION 48 Port Poe/Non-POE Access Swtiches	Page 103 of 128	1) 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 modify the clause to Type 1: 48-Port 10/100/1000 Mbps, 4 x 1G/10G SFP+ slots Type 2: 48-Port- 12XMig+ 36 10/100/1000 Mbps PoE/PoE+, 4 x 1G/10G SFP+ slots Referring WIFI-AP Section, requested AP is WiFi 6 Capable. With 1G ports, we can't get the advantage of WiFi6. WiFi6 capable AP comes with Mig ethernet ports. We suggest here, please consider		No Change

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					12 Mig ports to get the desired performance.		
144	Acer India (P) Ltd	Technical Specifications - AP Type 2	Page 110 of 128	Clause 3 - It Should have minimum two (2) IGbE RJ45 ports.	Requesting you to please amend the clause - "It Should have minimum two (2) 1GbE or one(1) 1/2.5G mGig RJ45 ports."		As per corrigendum-1
145	Acer India (P) Ltd	Technical Specifications - AP Type 3	Page 111 of 128	Clause 3 - It Should have minimum two (2) IGbE RJ45 ports.	Requesting you to please amend the clause - "It Should have minimum two (2) 1GbE or one(1) 1/2.5G mGig RJ45 ports."		As per corrigendum-1
146	Acer India (P) Ltd	Technical Specifications - AP Type 3	Page 111 of 128	Clause 7 - It should support Smart Mesh/Self-healing Mesh	Requesting you to please remove this clause mesh is required for outdoor deployments, not applicable in indoor AP requirement.		As per corrigendum-1
147	Acer India (P) Ltd	Technical Specifications - AP Type 3	Page 111 of 128	Sn-6) It should support minimum 500 Clients per AP or more..	Request to modify the clause to Request to remove the clause		As per corrigendum-1
148	Acer India (P) Ltd	Technical Specifications - 40G Transceiver	Page 114 of 128	Clause 1 - Speed : 40Gbps	Requesting you to please amend the clause - Speed : 25Gbps The solution on 25G will be able to provide you cost effective solution, moreover, the configuration using		No Change

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					Link aggregation will provide you 25G active active i.e. 50Gbps bandwidth between Core and Distribution layer.		
149	Acer India (P) Ltd	Technical Specifications - HCI Hardware - Network Switches	Page 118 of 128	Clause 1 - 28 Ports 10GbE SFP+ and 2x 100Gb QSFP28 Layer 3 Switch with 960Gbps Switching Capacity and 720 Mpps Throughput	Requesting you to please amend the clause - 24 Ports 10GbE SFP+ and 2x 40/100Gb QSFP28 Layer 3 Switch with 960Gbps Switching Capacity and 720 Mpps Throughput		As per corrigendum-1
150	Acer India (P) Ltd	Technical Specifications - HCI Hardware - OOB / Management Switch	Page 119 of 128	48 line-rate GbE ports of copper, two combo ports for fiber/copper flexibility, and two integrated 10GbE SFP+ ports Stackable up to 12-units for high-density, high-availability aggregation and distribution	Requesting you to please amend the clause - "48 line-rate GbE ports of copper, two combo ports for fiber/copper flexibility, and two integrated 10GbE SFP+ ports should support HA Stackable up to 8-units for high-density, high-availability aggregation and distribution"		As per corrigendum-1
151	Acer India (P) Ltd	HCI Hardware Drives with Storage Controller	Page 117 of 128	Minimum 2 SSD disks must be used for caching in each node. The nodes must be provided with atleast 16TB raw capacity in each of them, making sure SSD capacity is at least 20%, while remaining 80% can be on HDD's. Bidder must ensure 30000 IOPS from each node with a workload of 70:30 read:write ratio and	Request to modify the clause to minimum of 1 or 2 SSD disks. The solution should be able to provide required IOPS independent of SSD & HDD Configuration.		No Change

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				up-to 8KB block size.			
152	Acer India (P) Ltd	HCI Hardware Operating systems	Page 117 of 128	Microsoft® Windows Server® with Hyper-V Red Hat® Enterprise Linux SUSE® Linux Enterprise Server	Request to add VMware as well		No Change
153	Acer India (P) Ltd	HCI Software	Page 119 of 128	Solution must be configured using SSD and HDD. Minimum 15% SSD.	Percentage should criteria should be removed.		No Change
154	Acer India (P) Ltd	HCI Software	Page 119 of 128	Should be enabled with data efficiency features like Erasure Coding, Deduplication & Compression on All- disk tiers.	Request to remove erasure coding for open participation.		No Change
155	Cisco	Technical Specifications - UTM FIREWALL	99 of 128	Clause no. 1 - Next generation firewall should have minimum following Interfaces: 2 x 10GE SFP+ Slots, 4 x GE RJ45 Interfaces, 8 x GE SFP Slots, 1 x GE RJ45 Management Ports, 1 x USB Port.	Requesting you to please change the clause to - Next generation firewall should have minimum following Interfaces: 8 x 1/10GE SFP+ Slots, 4 x GE RJ45 Interfaces, 1 x GE RJ45 Management Ports, 1 x USB Port. As for segmenting the network - the requirement for 10G interfaces is higher, whereas the suggested ports - 8x1/10G will have capability		No Change

S.No.	Organisation	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks/Suggested Changes	Response
					to work as either 8x1G or 8x10G. this will meet the technical requirement. Requesting you to please amend the clause		
156	Cisco	Technical Specifications - UTM FIREWALL	100 of 128	Clause no. 7 - Should support minimum NGFW Throughput - 9 Gbps, Threat Protection Throughput - 5.5 Gbps , Firewall 1518B (UDP)/ Firewall 1024B -19 Gbps, Concurrent Session - 8 Million, IPSEC VPN Throughput -18 Gbps,New Sessions Per Second-160000.	1. Requesting you to please clarify the WAN / Internet bandwidth terminating on the Firewall. Considering 8Gbps link on a 9Gbps NGFW, please clarify how many users are expected to be connected from outside as IPSEC VPN users? We understand - Even as compared to the Firewall throughput (19Gbps with 1024B packet size) - the asked IPSEC VPN throughput is exceptionally higher. This needs to be in proportion to the IPSEC VPN users on the internet/WAN links, Requesting you to please reduce it to 8 Gbps for us to propose the equivalent product which shall meet the functional requirement. 2. Different OEMs calculate the values differently, We calculate Throughput, max. Concurrent sessions, max. new connections per second with Application Visibility and Control (AVC) enabled. Similarly, requesting you to please		No Change

S.No.	Organisation	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks/Suggested Changes	Response
					reduce the New Connections Per Second to 90K so that we can comply on the equivalent product.		
157	Cisco	Technical Specifications - UTM FIREWALL	100 of 128	The OEM shall be consistently present in Leaders quadrant of Gartner's Magic Quadrant for the last three years (2020,2019, and 2018).	Requesting you to please amend the clause - "The OEM should be a leader in Gartner Quadrant at least twice in last 3 years" . For us to comply and participate in the RFP.		No Change
158	Cisco	Technical Specifications - Core Switch	101 of 128	Clause 1- Each Core Switch should have Minimum Forty-Eight (48) 1G/10G/25G SFP28 Slots and Minimum Eight (8) 40G/100G QSFP28 Slots.	Requesting to you please amend the clause as - "Each Core Switch should have Minimum Forty-Eight (48) 1G/10G/25G SFP28 Slots and Minimum four (4) 40G/100G QSFP28 Slots." We recommend the Core-to-Distribution connectivity on 25G thus optimizing the cost of transceivers, moreover proposing you to use dual active links between Core and Distribution using Link Aggregation to achieve 50G (bundling 2 x 25G links).		No Change

S.No.	Organisation	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks/Suggested Changes	Response
159	Cisco	Technical Specifications - Core Switch	101 of 128	Clause 4 - Switching Bandwidth: The Core Switch should provide Non-Blocking switch fabric capacity of 4 Tbps (4,000 Gbps) or more.	Requesting you to please amend the clause as - Switching Bandwidth: The Core Switch should provide Non-Blocking switch fabric capacity of 3.2 Tbps (3,200 Gbps) or more. For a 48port 25G with 4x40/100G uplink - the switching bandwidth = $(48 \times 25 \times 2) + (4 \times 100 \times 2) = 2400 + 800 = 3200$ Gbps or 3.2Tbps		No Change
160	Cisco	Technical Specifications - Core Switch	101 of 128	Clause 7 - Switch Should support minimum 100K Mac Table	Requesting you to please amend the clause - "Switch Should support minimum 80K Mac Table" for us to comply to the requirement		As per corrigendum-1
161	Cisco	Technical Specifications - Core Switch	101 of 128	Clause 10 - 2. Basic IPv4 and IPv6 Static Routing, OSPF, BGP, ECMP, VXLAN and EVPN, Host Routes, Data center bridging (DCBX), PIM SM/DM multicast, Virtual Interfaces, Routed Interfaces, Route Only and Routing between directly connected subnets from day 1.	DCBX is generally used in DC-DR for L2 extensions - in particular for use with clustering and storage area networks. Requesting you to please remove (Data Center Bridging (DCBX) for us to comply to this requirement.		No Change

S.No.	Organisation	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks/Suggested Changes	Response
162	Cisco	Technical Specifications - Core Switch	101 of 128	Clause 12 - Switch should have minimum 4 x Hot-Swappable FAN Assemblies with airflow options	Requesting you to please amend the clause - "Switch should have minimum 4 x Hot-Swappable FAN and support online insertion and removal of fans"		No Change
163	Cisco	Technical Specifications - Distribution Switch	102 of 128	Clause 1 - Aggregation /Distribution Switch should have minimum Twenty-Four (24) 1G/10G SFP+ Slots and minimum two (2) 40G QSFP+ Slots.	Requesting you to please amend the clause - "Aggregation /Distribution Switch should have minimum Twenty-Four (24) 1G/10G SFP+ Slots and minimum two (2) 25G QSFP+ Slots." We recommend the Core-to-Distribution connectivity on 25G thus optimizing the cost of transceivers, moreover proposing you to use dual active links between Core and Distribution using Link Aggregation to achieve 50G (bundling 2 x 25G links).		No Change
164	Cisco	Technical Specifications - Distribution Switch	102 of 128	Clause 7 - Switch Should support minimum 200K Mac Table	The asked MAC addresses on Distribution are even higher than the Core Switch. Requesting you to please amend the clause - "Switch Should support minimum 32K Mac Table"		As per corrigendum-1
165	Cisco	Technical Specifications - Distribution Switch	102 of 128	Clause 9 - 1. Minimum 200K IPv4 and IPv6 routes	The asked IPv4/v6 routes are practically on very higher side - requesting you to please amend to - 1. Min. 39K IPv4 and 19.5K IPv6 routes		As per corrigendum-1

S.No.	Organisation	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks/Suggested Changes	Response
166	Cisco	Technical Specifications - Distribution Switch	102 of 128	Clause 9 - 2. Basic IPv4 and IPv6 Static Routing, OSPF, BGP, ECMP, VXLAN and EVPN, Host Routes, Data center bridging (DCBX), PIM SM/DM multicast, Virtual Interfaces, Routed Interfaces, Route Only and Routing between directly connected subnets from day 1.	DCBX is generally used in DC-DR for L2 extensions - in particular for use with clustering and storage area networks. Requesting you to please remove (Data Center Bridging (DCBX) for us to comply to this requirement.		No Change
167	Cisco	Technical Specifications - AP Type 2	110 of 128	Clause 3 - It Should have minimum two (2) 1GbE RJ45 ports.	Requesting you to please amend the clause - "It Should have minimum two (2) 1GbE or one(1) 1/2.5G mGig RJ45 ports."		As per corrigendum-1
168	Cisco	Technical Specifications - AP Type 3	111 of 128	Clause 3 - It Should have minimum two (2) 1GbE RJ45 ports.	Requesting you to please amend the clause - "It Should have minimum two (2) 1GbE or one(1) 1/2.5G mGig RJ45 ports."		As per corrigendum-1
169	Cisco	Technical Specifications - AP Type 3	111 of 128	Clause 7 - It should support Smart Mesh/Self-healing Mesh	Requesting you to please remove this clause mesh is required for outdoor deployments, not applicable in indoor AP requirement.		As per corrigendum-1

S.No.	Organisation	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks/Suggested Changes	Response
170	Cisco	Technical Specifications - 40G Transceiver	114 of 128	Clause 1 - Speed : 40Gbps	Requesting you to please amend the clause - Speed : 25Gbps The solution on 25G will be able to provide you cost effective solution, moreover, the configuration using Link aggregation will provide you 25G active active i.e. 50Gbps bandwidth between Core and Distribution layer.		No Change
171	Cisco	Technical Specifications - HCI Hardware - Network Switches	118 of 128	Clause 1 - 28 Ports 10GbE SFP+ and 2x 100Gb QSFP28 Layer 3 Switch with 960Gbps Switching Capacity and 720 Mpps Throughput	Requesting you to please amend the clause - 24 Ports 10GbE SFP+ and 2x 40/100Gb QSFP28 Layer 3 Switch with 960Gbps Switching Capacity and 720 Mpps Throughput		As per corrigendum-1
172	Cisco	Technical Specifications - HCI Hardware - OOB / Management Switch	119 of 128	48 line-rate GbE ports of copper, two combo ports for fiber/copper flexibility, and two integrated 10GbE SFP+ ports Stackable up to 12-units for high-density, high-availability aggregation and distribution	Requesting you to please amend the clause - "48 line-rate GbE ports of copper, two combo ports for fiber/copper flexibility, and two integrated 10GbE SFP+ ports should support HA Stackable up to 8-units for high-density, high-availability aggregation and distribution"		As per corrigendum-1

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173	Inspira		7	Earnest Money Deposit:Rs. 5,25,000/- in form of Bank Guarantee from a Scheduled Commercial/ Nationalized Bank in India/ Demand Draft. Scanned copy to be uploaded with tender documents and original BG/ DD has to be submitted along with documents as per the Instructions to bidders. In case EMD is submitted in the form of BG, the BG should be at least valid for 45 days beyond the bid validity date and should be as per Annexure-X	We request to kindly exempt the EMD clause as per Office Memorandum no. F.9/4/2020-PPD issued by Department of Expenditure (MOF) dated 12th Nov 2020		No Change
174	Inspira		7	Performance Bank :Guarantee (PBG) :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	We request to kindly amend the PBG % to 3% as per Office Memorandum no. F.9/4/2020-PPD issued by Department of Expenditure (MOF) dated 12th Nov 2020		No Change

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175	Inspira	5	21	Network Plan: Two internet connection links would be made available by the ISP at a central location (i.e Sansknet building). The NGFW and core switch will be installed at the central building i.e., Sansknet building, Distribution switches will be placed at six different buildings. There are also plans to place Access point (AP) in each of the required locations like academic building and student hostels.	As per the statement, Distribution switches will be placed at six different buildings. Kindly provide the details of building name as they are not illustrated in the Network Diagram.		Prima facia details are provided in the network diagram. Further details will be shared with successful bidder.
176	Inspira	5	21	Network Plan: Two internet connection links would be made available by the ISP at a central location (i.e Sansknet building). The NGFW and core switch will be installed at the central building i.e., Sansknet building, Distribution switches will be placed at six different buildings. There are also plans to place Access point (AP) in each of the required	As per the Network Diagram, the Fiber links are connecting from Academic Block to different buildings inside the campus, Is this 2-Tier Architecture or 3-Tier Architecture. Network plan depicts 2-Tier Architecture, kindly clarify.		Network diagram is self-explanatory

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				locations like academic building and student hostels.			
177	Inspira	5	21	<p>Network Plan: Two internet connection links would be made available by the ISP at a central location (i.e Sansknet building). The NGFW and core switch will be installed at the central building i.e., Sansknet building, Distribution switches will be placed at six different buildings. There are also plans to place Access point (AP) in each of the required locations like academic building and student hostels.</p>	<p>Kindly provide the location for the installation of Second Core Switch in the campus? Is it the same where the Primary Core Switch is installing? If no then kindly provide the location detail.</p>		<p>Second core switch will be placed in the vicinity of primary core switch.</p>
178	Inspira	5.12	26	<p>Scope of Training: The duration of the training shall be minimum 5 days, subject to satisfaction of the end customer. Similar trainings should be imparted upon the update in technology/ update in network till the tenure of the project prevails.</p>	<p>We request you to kindly share the number of PAX attending the training for 5 days.</p> <p>Kindly also clarify if all training infra (to conduct the training) will be provided by EdCIL or, end client?</p>		<p>Training shall be provided to all the respective users at NSU. Training shall be facilitated by NSU, However all other support during training should be provided by Service provider.</p>

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179	Inspira	5.22	31	Delivery Schedule: Penalty of 1% for every week, subject to a maximum of 10% of the relevant Milestone payment.	We request you to kindly relax the clause from 1% to 0.5%.		No Change
180	Inspira	CHAPTER-VI	42	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 each of the following areas: i. Supply and maintenance of servers, storage and computer systems; ii. Supply and maintenance of End User Computing and peripherals; iii. Supply and maintenance of networking devices like I/Os, wireless Access Points with controller, switches, routers, network cabling, NGFW etc. iv. Supply and maintenance of networking passive components like Optical fiber, cat 6/6a cable, Racks,UPS, * Minimum project value	Please clarify if 15 marks to be given if 7 yrs of experience in <u>each</u> <u>or any one</u> of following areas of min project value of 3 CR: i. Supply and maintenance of servers, storage and computer systems; ii. Supply and maintenance of End User Computing and peripherals; iii. Supply and maintenance of networking devices like I/Os, wireless Access Points with controller, switches, routers, network cabling, NGFW etc. iv. Supply and maintenance of networking passive components like Optical fiber, cat 6/6a cable, Racks,UPS,		Experience in all mentioned areas are required.

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				considered for evaluation should be more than 3 crores.			
181	Inspira	Annexure XVIII	98	Equipment Specification and Compliance : Point to Point Solution	Which areas / buildings need to connect for point to point connection? Kindly provide the location detail.		Point to point solution is required from termination of university campus gate to University Guest house.
182	Inspira	Annexure XVIII	110	Equipment Specification and Compliance : NMS	Do we have to provide NMS in High Availability or on Standalone Model? Kindly clarify.		Standalone model
183	Inspira	Annexure XX	125	Distribution Switch	The qty of Distribution Switches in BOQ line item is 07. But as per the Network plan it has to be deployed in six buildings. Request you to kindly clarify.		Quantities mentioned in the tender is as per requirement
184	Inspira	Annexure XX	126	FORMAT FOR SUBMISSION OF FINANCIAL BID : Large Format Professional Display	Line item for Large Format Display is not in BoQ, Request you to kindly add that.		As per corrigendum-1
185	Inspira	Annexure XVIII Core Switch Point - 2	99	The Core Switch should support Virtual Switching System (VSS) or Virtual Chassis (VC) or VPC or equivalent Switch Clustering feature, where the Switch Clustering feature should combine multiple switches	Core switches will always be configured with maximum 2 switches in HA for redundancy. Multiple switches concept is applicable for access switches where multiple switches can be configured as virtual chassis. Our understanding is it will be minimum		As per the current requirement there is scope for two core switches.

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				into a single network element.	two switches, please clarify. Note: As per proposed architecture these are two switches.		
186	Inspira	Annexure XVIII Core Switch Point - 7	100	Switch Should support minimum 100K Mac Table	100K Mac Table is huge for core switch. However there is a distribution/access layer to address the MAC layer forwarding request to relook in to this and modify the clause to moderate values which can suffice the requirement. Modified clause will be " Switch Should support minimum 90K Mac Table ".		As per corrigendum-1
187	Inspira	Annexure XVIII Core Switch Point - 10.1	100	Minimum 200K IPv4 and IPv6 routes	Routing table mentioned here is huge for campus core switch where routing requirements are addressed with minimum entries. IPv4 and IPv6 routes size will be different in nature. IPv6 routing table is lesser than IPv4 because IPv6 IP address size is of 128-bit whereas IPv4 address size is of 32-bits. Request to relook in to this and modify the clause to moderate values which can suffice the requirement. Modified clause will be " Shall support Minimum 128 K IPv4 routes and Minimum 32K IPv6 routes ".		As per corrigendum-1

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188	Inspira	Annexure XVIII Core Switch Point - 18	100	Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management	Request to consider PTP solution as option as all Gartner leader OEMs might not have the P2P solution. Bidder should be allowed to stitch the PTP solution along with wired and wireless infrastructure. Our understanding is Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management. However, P2P solution may or may not be same OEM. please clarify.		P2P solution may be facilitated from the OEM of reputed make as per the specifications mentioned in tender as well as corrigendum.
189	Inspira	Annexure XVIII Distribution Switch Point - 3	101	The Switch should support Virtual Switching System (VSS) or Virtual Chassis (VC) or VPC or equivalent Switch Clustering feature, where the Switch Clustering feature should combine multiple switches into a single network element.	Distribution switches will always be configured with maximum 2 switches in HA for redundancy. Multiple switches concept is applicable for access switches where multiple switches can be configured as virtual chassis. Our understanding is it will be minimum two switches, please clarify. Note: As per proposed architecture it is one switch		As per the current requirement there is scope for one distribution switch at one location.

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190	Inspira	Annexure XVIII Distribution Switch Point - 3	102	Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management	Request to consider PTP solution as option as all Gartner leader OEMs might not have the P2P solution. Bidder should be allowed to stitch the PTP solution along with wired and wireless infrastructure. Our understanding is Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management. However, P2P solution may or may not be same OEM. please clarify.		P2P solution may be facilitated from the OEM of reputed make as per the specifications mentioned in tender as well as corrigendum.
191	Inspira	Annexure XVIII DMZ switch Point - 4	102	Should support Stacking of minimum 05 Switches or more in a stack or equivalent and should be configured with stacking ports from day 1.	Out of 4*10SFP+ Ports two ports can be configured as stacking ports and additional ports can be utilized as uplink ports. Our understanding from the clause should be configured with two stacking ports is to configure two of the uplink ports are as stacking ports at day 1. Please clarify.		No Change
192	Inspira	Annexure XVIII DMZ switch Point - 13	103	Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management	Request to consider PTP solution as option as all Gartner leader OEMs might not have the P2P solution. Bidder should be allowed to stitch the PTP solution along with wired and wireless infrastructure. Our understanding is Switches, Transceivers, NMS and wireless		P2P solution may be facilitated from the OEM of reputed make as per the specifications mentioned in tender as well as

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					equipment should be from same OEM for ease of integration and management. However, P2P solution may or may not be same OEM. please clarify.		corrigendum.
193	Inspira	Annexure XVIII 48 Port PoE/PoE+ /Non PoE Point - 10	104	Switch Should have internal redundant power supplies with fan module from day one	Redundant fan modules generally comes with chassis based switches and not with standalone access switches. Please modify the clause as " Switch Should have internal redundant power supplies with inbuilt fan ". Request to remove the fan module from the clause.		No Change
194	Inspira	Annexure XVIII 48 Port PoE/PoE+ /Non PoE Point - 13	104	Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management	Request to consider PTP solution as option as all Gartner leader OEMs might not have the P2P solution. Bidder should be allowed to stich the PTP solution along with wired and wireless infrastructure. Our understanding is Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management. However, P2P solution may or may not be same OEM. please clarify.		P2P solution may be facilitated from the OEM of reputed make as per the specifications mentioned in tender as well as corrigendum.

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195	Inspira	Annexure XVIII 24 Port Switch Non PoE Point - 9	105	Switch Should have Internal redundant power supplies with fan module from day one	Redundant fan modules generally comes with chassis based switches and not with standalone access switches. Please modify the clause as " Switch Should have internal redundant power supplies with inbuilt fan ". Request to remove the fan module from the clause.		No Change
196	Inspira	Annexure XVIII 24 Port Switch Non PoE Point - 12	105	Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management	Request to consider PTP solution as option as all Gartner leader OEMs might not have the P2P solution. Bidder should be allowed to stich the PTP solution along with wired and wireless infrastructure. Our understanding is Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management. However, P2P solution may or may not be same OEM. please clarify.		P2P solution may be facilitated from the OEM of reputed make as per the specifications mentioned in tender as well as corrigendum.
197	Inspira	Annexure XVIII 12 Port PoE+ Point - 2	105	Should provide minimum 190 W PoE budget	12 port access switch is never going to be connected to full capacity with access points/PoE devices. Normally max. 8 nos. PoE devices can be connected. hence max. 120w PoE budget is sufficient for 12 Ports PoE switch. Also connected end device power consumption will		No Change

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					not be similar always. Considering all these parameters we request to modify the power budget to minimum 120W.		
198	Inspira	Annexure XVIII 12 Port PoE+ Point - 6	106	Switch Should support internal/ external redundant power supply from day one.	Normally redundant power supply required in either core switch, distribution switch, 48 Ports access switch or 24 Ports access switches. 12 ports PoE switches will be used to connect end devices. and this is standard for all leading OEMs. Request to kindly remove this clause so that leading OEM can participate.		No Change
199	Inspira	Annexure XVIII 12 Port PoE+ Point - 9	106	Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management	Request to consider PTP solution as option as all Gartner leader OEMs might not have the P2P solution. Bidder should be allowed to stich the PTP solution along with wired and wireless infrastructure. Our understanding is Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management. However, P2P solution may or may not be same OEM. please clarify.		P2P solution may be facilitated from the OEM of reputed make as per the specifications mentioned in tender as well as corrigendum.

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200	Inspira	Annexure XVIII WLC Point - 9	106	Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management	Request to consider PTP solution as option as all Gartner leader OEMs might not have the P2P solution. Bidder should be allowed to stich the PTP solution along with wired and wireless infrastructure. Our understanding is Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management. However, P2P solution may or may not be same OEM. please clarify.		P2P solution may be facilitated from the OEM of reputed make as per the specifications mentioned in tender as well as corrigendum.
201	Inspira	Annexure XVIII AP Type 1 Point - 9	108	Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management	Request to consider PTP solution as option as all Gartner leader OEMs might not have the P2P solution. Bidder should be allowed to stich the PTP solution along with wired and wireless infrastructure. Our understanding is Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management. However, P2P solution may or may not be same OEM. please clarify.		P2P solution may be facilitated from the OEM of reputed make as per the specifications mentioned in tender as well as corrigendum.

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202	Inspira	Annexure XVIII AP Type 2 Point - 1	109	It should be Dual-band 802.11abgn/ax, Wireless Indoor Access Point with Multi-Gigabit Ethernet backhaul, 4x4:4 streams, MU-MIMO.	Our understanding on 4x4:4 stream support should be available on 5 GHz band. Please clarify or kindly 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 5Ghz and 2x2:2 stream in 2.4Ghz, MU-MIMO. "		As per corrigendum-1
203	Inspira	Annexure XVIII AP Type 2 Point - 2	109	It should provide minimum concurrent data rate of 4800 Mbps	Data rates are always varied when we compare it with real world throughputs. NSU shall ask for the real throughput which is delivered by the proposed Access point. Please modify the clause to " It should provide minimum real-world throughput of 2000 Mbps "		No Change
204	Inspira	Annexure XVIII AP Type 2 Point - 7	109	Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management	Request to consider PTP solution as option as all Gartner leader OEMs might not have the P2P solution. Bidder should be allowed to stich the PTP solution along with wired and wireless infrastructure. Our understanding is Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management. However, P2P solution may or may not be same OEM. please clarify.		P2P solution may be facilitated from the OEM of reputed make as per the specifications mentioned in tender as well as corrigendum.

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205	Inspira	Annexure XVIII AP Type 3 Point - 1	110	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)	Dual 5GHz support is needed only for the high density wifi endpoints within a small proximity and leads to an expensive solution too. Though Aruba too support dual 5GHZ APs, by considering your kind of an environment, we suggest to amend the same by removing the dual 5GHz from the clause. Modified clause shall be read as " 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 "		No Change
206	Inspira	Annexure XVIII AP Type 3 Point - 2	110	It should provide minimum concurrent data rate of 4800 Mbps.	Data rates are always varied when we compare it with real world throughputs. NSU shall ask for the real throughput which is delivered by the proposed Access point. Please modify the clause to " It should provide minimum real-world throughput of 2800 Mbps "		No Change
207	Inspira	Annexure XVIII AP Type 3 Point - 2	110	Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management	Request to consider PTP solution as option as all Gartner leader OEMs might not have the P2P solution. Bidder should be allowed to stich the PTP solution along with wired and wireless infrastructure. Our understanding is Switches, Transceivers, NMS and wireless		P2P solution may be facilitated from the OEM of reputed make as per the specifications mentioned in tender as well as

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					equipment should be from same OEM for ease of integration and management. However, P2P solution may or may not be same OEM. please clarify.		corrigendum.
208	Inspira	Annexure XVIII NMS Point - 2	111	NMS should be hardware/appliance-based controller OR software/virtual machine-based. Must be able to support minimum 500 devices from day one and should be scalable to support minimum 2500 devices on the same appliance	Request to accept Cloud based NMS also which can offer more Proactive approach, flexibility and artificial intelligence insights with machine learning capabilities with unlimited scalability. Modified clause will be "NMS should be hardware/appliance-based controller OR software/virtual machine-based or it can be cloud based . Must be able to support minimum 500 devices from day one and should be scalable to support minimum 2500 devices on the same appliance"		No Change
209	Inspira	Annexure XVIII NMS Point - 4	111	Must provide centralized management that should be able to manage wired, wireless & security components of 3rd party OEMS's Must provide a system wide deployment of VLAN configuration and monitoring capabilities.	Security components will have separate management and NMS will have to deal with wired and wireless infrastructure in general. Please remove the Security components of 3rd party OEMs from the clause. Modified clause will be "Must provide centralized management that should be able to manage wired, wireless devices		No Change

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					and Must provide a system wide deployment of VLAN configuration and monitoring capabilities."		
210	Inspira	Annexure XVIII NMS Point - 16	113	Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management	Request to consider PTP solution as option as all Gartner leader OEMs might not have the P2P solution. Bidder should be allowed to stitch the PTP solution along with wired and wireless infrastructure. Our understanding is Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management. However, P2P solution may or may not be same OEM. please clarify.		P2P solution may be facilitated from the OEM of reputed make as per the specifications mentioned in tender as well as corrigendum.
211	Inspira	Annexure XVIII Core Switch New addition	100	Switch should support REST APIs/Open flow Or equivalent programmability of network tasks	Recommending this clause to be included in all proposed switches so that programmability/automation of network task can be possible in NSU campus network.		No Change
212	Inspira	Annexure XVIII Distribution New addition	102	Switch should support REST APIs/Open flow Or equivalent programmability of network tasks	Recommending this clause to be included in all proposed switches so that programmability/automation of network task can be possible in NSU campus network.		No Change

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213	Inspira	Annexure XVIII 48 Port PoE/PoE+ /Non PoE Point - 4	103	Should support Stacking of minimum 05 Switches or more in a stack or equivalent and should be configured with dedicated stacking port (in addition to the above port count) stacking ports from day 1.	Stacking support shall be increased to minimum 8 units as campus access switches will be keep on increasing and new switches will be getting added. Considering the current and future requirements it is recommended to have support up to 8 switches in single stack.		No Change
214	Inspira	Annexure XVIII 48 Port PoE/PoE+ /Non PoE New addition	104	Switch should support REST APIs/Open flow Or equivalent programmability of network tasks	Recommending this clause to be included in all proposed switches so that programmability/automation of network task can be possible in NSU campus network.		No Change
215	Inspira	Annexure XVIII 24 Port Switch Non PoE Point - 3	104	Should support Stacking of minimum 05 Switches or more in a stack or equivalent and should be configured with stacking ports from day 1.	Stacking support shall be increased to minimum 8 units as campus access switches will be keep on increasing and new switches will be getting added. Considering the current and future requirements it is recommended to have support up to 8 switches in single stack.		No Change
216	Inspira	Annexure XVIII 24 Port Switch Non PoE New addition	104	Switch should support REST APIs/Open flow Or equivalent programmability of network tasks	Recommending this clause to be included in all proposed switches so that programmability/automation of network task can be possible in NSU campus network.		No Change

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217	Inspira	Annexure XVIII 12 Port PoE+ New addition	106	Switch should support REST APIs/Open flow Or equivalent programmability of network tasks	Recommending this clause to be included in all proposed switches so that programmability/automation of network task can be possible in NSU campus network.		No Change
218	Inspira	Annexure XVIII WLC Point - 1	106	WLAN Controller should be hardware/appliance-based controller OR software/virtual machine-based controller loaded with 500 AP Licenses from day one and should be scalable and support up to 1000 APs in a single 1 RU chassis with licenses upgrade. Note: Software/COTS VM based WLAN controller should be accompanied with all the requisite hardware, licenses, software without incurring any extra cost/burden on NSU and the cost quoted for Software/COTS VM based WLAN Controller should comprise the total incurred cost of the entire system (hardware, license, software	VM based controller not recommended for encryption performance and however it needs the additional hardware resources as well. We recommend dedicated hardware controller to deliver better encryption performance and request to remove the VM controller from the clause. Modified clause will be " WLAN Controller should be hardware/appliance-based controller loaded with 500 AP Licenses from day one and should be scalable and support up to 1000 APs in a single 1 RU chassis with licenses upgrade. "		No Change

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				and all other requisite components).			
219	Inspira	Annexure XVIII WLC Point - 2	106	High availability should be provided for controllers. In the event of a failure of the hardware/VM Based controller, another controller shall automatically take over the role.	VM based controller not recommended for encryption performance and however it needs the additional hardware resources as well. We recommend dedicated hardware controller to deliver better encryption performance and request to remove the VM controller from the clause. Modified clause will be " High availability should be provided for controllers. In the event of a failure of the hardware, another controller shall automatically take over the role. "		No Change
220	Inspira	Annexure XVIII WLC Point - 3	107	Controller should have capacity to handle minimum 10000 or more Concurrent devices and Minimum 60,000 for future support either through cluster or through a single hardware.	For 1000AP supported controller it is recommended to have minimum 20000 or more concurrent devices even if we consider 2 concurrent device per AP. Please modify the clause to " Controller should have capacity to handle minimum 20000 or more Concurrent devices and Minimum 60,000 for future support either through cluster or through a single hardware. "		No Change

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221	Inspira	Annexure XVIII WLC New	107	<p>Should have support for WIDS/WIPS , ARP Spoofing Detection and prevention WIPS solution should detect & prevent an Ad-hoc connection as well as windows bridge</p> <p>The WIPS solution should able to detect and prevent common RF attacks like HotSpot, FATA-jack, OMERA etc.</p> <p>Wireless LAN solution shall be capable of identifying sources of WIFI and NON-Wifi interferences and output should be displayed in minimum 5 different UI Charts to make it easy for trouble shooting.</p> <p>Should have support for Rogue AP Detection and prevention, Honeypot AP's detection, misconfigured AP's detection.</p> <p>WLAN solution should prevent students to use their Laptops and systems as DHCP server, as this can bring entire network down.</p>	Wireless controller should have support for the mentioned security(IDS/IPS) Features so as to ensure wireless security for university users.		No Change

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				WLAN system must be able to blacklist users who intended to disconnect other users from AP using free software's like netcut etc day one.			
222	Inspira	Annexure XVIII AP Type 1 Point - 6	108	Minimum data rates of 1200 mbps	Data rates are always varied when we compare it with real world throughputs. NSU shall ask for the real throughput which is delivered by the proposed Access point. Please modify the clause to "It should provide minimum real-world throughput of 1200 Mbps"		No Change
223	Inspira	Annexure XVIII AP Type 1 New	108	AP proposed shall be Wi-fi 6 certified by the Wi-Fi alliance	It is recommended to ask for Wi-Fi certified access point by the Wi-Fi alliance to have tested and proven/certified hardware.		No Change
224	Inspira	Annexure XVIII AP Type 2 Point - 1	109	It should be Dual-band 802.11abgn/ax, Wireless Indoor Access Point with Multi-Gigabit Ethernet backhaul, 4x4:4 streams, MU-MIMO.	OFDMA allows access point to handle multiple Wi-Fi6 capable clients on each channel simultaneously, regardless of device type. Channel utilization is optimized using this. Hence request to add this to the clause. modified clause will be "It should be Dual-band 802.11abgn/ax, Wireless Indoor Access Point with Multi-Gigabit Ethernet backhaul, 4x4:4 streams on 5 GHz radio, MU-MIMO"		No Change

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					and OFDMA"		
225	Inspira	Annexure XVIII AP Type 2 Point - 3	109	It Should have minimum two (2) 1GbE RJ45 ports.	It is recommended to have minimum one multigigabit interface for Wi-Fi6 access points to support maximum bandwidth at backhaul switch connectivity. Modified clause should be as "It Should have minimum two (2) 1GbE RJ45 ports with minimum one Multi-Gigabit (1/2.5Gbps) ethernet port."		As per corrigendum-1
226	Inspira	Annexure XVIII AP Type 2 New	109	AP proposed shall be Wi-fi 6 certified by the Wi-Fi alliance	It is recommended to ask for Wi-Fi certified access point by the Wi-Fi alliance to have tested and proven/certified hardware.		No Change
227	Inspira	Annexure XVIII AP Type 3 New	110	AP proposed shall be Wi-fi 6 certified by the Wi-Fi alliance	It is recommended to ask for Wi-Fi certified access point by the Wi-Fi alliance to have tested and proven/certified hardware.		No Change
228	Inspira	Chapter-V	31	Delivery Schedule: Penalty of 1% per week, subject to max 10% of relevant milestone payment	Request to consider 0.5% per week, subject to max 10% of relevant milestone payment		No Change
229	Inspira	Chapter-VII	46	Payment terms: 40% on Delivery, 40% on installation & commissioning, 10% at end of 1st year, 5% at end of 2nd year & 5% at end of 3rd year	Request to consider 70% on Delivery, 20% on installation & 10% against commissioning. As OEM warranty certificates as well as SLA is in placed. Penalties already defined against any service delay/failure.		As per corrigendum-1

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230	Inspira	Chapter-VII	47	Technical Manpower and AMC charges: To be paid annually	Request to consider quarterly payment for Technical manpower and AMC period as per industry standard.		As per corrigendum-1
231	Inspira	Annexure XVIII	86	19" 1U 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.		No change
232	Inspira	Annexure XVIII	86	19" IU SM LIU loaded with LC Duplex adapters: The enclosure/LIU should have locks to secure all the fiber terminations & must have front cable management to properly route patch cords.	Please remove front cable management as this require more front space and it decreases the depth of rack and creates issue for active equipment		No change
233	Inspira	Annexure XVIII	89	INFORMATION OUTLET for FACE PLATE AND PATCH PANEL SIDE: The jack should be UL/ETL/3P Verified and Plastic Housing must be Polycarbonate, UL94V-0 rated.	Please make this clause as UL listed and ETL/3P verified as UL certification is for fire not for performance whereas ETL/3P are certificates of performance parameters		As per corrigendum-1

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234	Inspira	Annexure XVIII	90	MOUNTING CORDS CAT GA (2/3 meter): Should be covered by UL/ ETL/3P certification program	Please make this clause as UL listed and ETL/3P verified as UL certification is for fire not for performance whereas ETL/3P are certificates of performance parameters		As per corrigendum-1
235	Inspira	Annexure XVIII	90	Rating: Rackmount 1KVA/800W	Request to accept tower type UPS.		No change
236	Inspira	Annexure XVIII	90	Rating: Rackmount 2KVA/1600W			No change
237	Inspira	Annexure XVIII	91	Rating: Rackmount 3KVA/2400W			No change
238	Inspira	Annexure XVIII	91	Rating: Rackmount 10KVA/8000W			No change
239	Inspira	Annexure XVIII	91	Protection: Surge Protection: UPS should have UL recognized internal/ external SPD with TCO (Thermal Cutoff) with LED indication	Surge Protection will be from third party. UL certificate provided will have third.		No Change
240	Inspira	Annexure XVIII	92	Output connections: 1 no. Programmable Outlet for Non-critical load. Power to Non-Critical load segment should be automatically cut-off after 15min of mains failure.	Request to remove point if there is no non-critical load present. Programmable outlets greatly increase overall cost of UPS.		As per corrigendum-1
241	Inspira	Annexure XVIII	93	Minimum Technical Specifications for Rack: 24U rack	24 Rack should be floor mount able.		As per corrigendum-1

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242	Inspira	Annexure XVIII	93	Minimum Technical Specifications for Rack: Width of 24U rack:550	width shall be mentioned 600MM		No Change
243	Inspira	Annexure XVIII	93	Minimum Technical Specifications for Rack: Depth of 24U rack:500	depth shall be mentioned 600MM/800MM		No Change
244	Inspira	Annexure XVIII	94	Minimum Technical Specifications for Rack: Color:BLACK	Color should mention Black/Grey		As per corrigendum-1
245	Inspira	Annexure XVIII	93	Minimum Technical Specification - Smart Rack : IT Load: Shall not be more that 7KW.	IT Load: Shall not be more that 3.5KW instead of mentioned 7KW.		No Change
246	Inspira	Annexure XVIII	95	Minimum Technical Specification - Smart Rack : The Rack shall have based plinth of min 100mm height with A.V Pad.	The rack shall be both the features of rack standing: 1) Castors and Levelling Legs. 2) Base plinth		No Change
247	Inspira	Annexure XVIII	96	Minimum Technical Specification - Smart Rack : UPS capacity: 10 Kva (Without Redundancy)	This shall be mentioned 6Kva/ 10 Kva		No Change

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248	SISL Infotech Private Limited	Technical Specifications - UTM FIREWALL	99 of 128	Clause no. 1 - Next generation firewall should have minimum following Interfaces: 2 x 10GE SFP+ Slots, 4 x GE RJ45 Interfaces, 8 x GE SFP Slots, 1 x GE RJ45 Management Ports, 1 x USB Port.	Requesting you to please change the clause to - Next generation firewall should have minimum following Interfaces: 8 x 1/10GE SFP+ Slots, 4 x GE RJ45 Interfaces, 1 x GE RJ45 Management Ports, 1 x USB Port. As for segmenting the network - the requirement for 10G interfaces is higher, whereas the suggested ports - 8x1/10G will have capability to work as either 8x1G or 8x10G. this will meet the technical requirement. Requesting you to please amend the clause		No Change

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249	SISL Infotech Private Limited	Technical Specifications - UTM FIREWALL	100 of 128	Clause no. 7 - Should support minimum NGFW Throughput - 9 Gbps, Threat Protection Throughput - 5.5 Gbps , Firewall 1518B (UDP)/ Firewall 1024B -19 Gbps, Concurrent Session - 8 Million, IPSEC VPN Throughput -18 Gbps,New Sessions Per Second-160000.	<p>1. Requesting you to please clarify the WAN / Internet bandwidth terminating on the Firewall. Considering 8Gbps link on a 9Gbps NGFW, please clarify how many users are expected to be connected from outside as IPSEC VPN users? We understand - Even as compared to the Firewall throughput (19Gbps with 1024B packet size) - the asked IPSEC VPN throughput is exceptionally higher. This needs to be in proportion to the IPSEC VPN users on the internet/WAN links, Requesting you to please reduce it to 8 Gbps for us to propose the equivalent product which shall meet the functional requirement.</p> <p>2. Different OEMs calculate the values differently, We calculate Throughput, max. concurrent sessions, max. new connections per second with Application Visibility and Control (AVC) enabled. Similarly, requesting you to please reduce the New Connections Per Second to 90K so that we can comply on the equivalent product.</p>		No Change

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250	SISL Infotech Private Limited	Technical Specifications - UTM FIREWALL	100 of 128	The OEM shall be consistently present in Leaders quadrant of Gartner's Magic Quadrant for the last three years (2020,2019, and 2018).	Requesting you to please amend the clause - "The OEM should be a leader in Gartner Quadrant at least twice in last 3 years" . For us to comply and participate in the RFP.		No Change
251	SISL Infotech Private Limited	Technical Specifications - Core Switch	101 of 128	Clause 1- Each Core Switch should have Minimum Forty-Eight (48) 1G/10G/25G SFP28 Slots and Minimum Eight (8) 40G/100G QSFP28 Slots.	Requesting to you please amend the clause as - "Each Core Switch should have Minimum Forty-Eight (48) 1G/10G/25G SFP28 Slots and Minimum four (4) 40G/100G QSFP28 Slots." We recommend the Core-to-Distribution connectivity on 25G thus optimizing the cost of transceivers, moreover proposing you to use dual active links between Core and Distribution using Link Aggregation to achieve 50G (bundling 2 x 25G links).		No Change

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252	SISL Infotech Private Limited	Technical Specifications - Core Switch	101 of 128	Clause 4 - Switching Bandwidth: The Core Switch should provide Non-Blocking switch fabric capacity of 4 Tbps (4,000 Gbps) or more.	Requesting you to please amend the clause as - Switching Bandwidth: The Core Switch should provide Non-Blocking switch fabric capacity of 3.2 Tbps (3,200 Gbps) or more. For a 48port 25G with 4x40/100G uplink - the switching bandwidth = $(48 \times 25 \times 2) + (4 \times 100 \times 2) = 2400 + 800 = 3200$ Gbps or 3.2Tbps		No Change
253	SISL Infotech Private Limited	Technical Specifications - Core Switch	101 of 128	Clause 7 - Switch Should support minimum 100K Mac Table	Requesting you to please amend the clause - "Switch Should support minimum 80K Mac Table" for us to comply to the requirement		No Change
254	SISL Infotech Private Limited	Technical Specifications - Core Switch	101 of 128	Clause 10 - 2. Basic IPv4 and IPv6 Static Routing, OSPF, BGP, ECMP, VXLAN and EVPN, Host Routes, Data center bridging (DCBX), PIM SM/DM multicast, Virtual Interfaces, Routed Interfaces, Route Only and Routing between directly connected subnets from day 1.	DCBX is generally used in DC-DR for L2 extensions - in particular for use with clustering and storage area networks. Requesting you to please remove (Data Center Bridging (DCBX) for us to comply to this requirement.		No Change

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255	SISL Infotech Private Limited	Technical Specifications - Core Switch	101 of 128	Clause 12 - Switch should have minimum 4 x Hot-Swappable FAN Assemblies with airflow options	Requesting you to please amend the clause - "Switch should have minimum 4 x Hot-Swappable FAN and support online insertion and removal of fans"		No Change
256	SISL Infotech Private Limited	Technical Specifications - Distribution Switch	102 of 128	Clause 1 - Aggregation /Distribution Switch should have minimum Twenty-Four (24) 1G/10G SFP+ Slots and minimum two (2) 40G QSFP+ Slots.	Requesting you to please amend the clause - "Aggregation /Distribution Switch should have minimum Twenty-Four (24) 1G/10G SFP+ Slots and minimum two (2) 25G QSFP+ Slots." We recommend the Core-to-Distribution connectivity on 25G thus optimizing the cost of transceivers, moreover proposing you to use dual active links between Core and Distribution using Link Aggregation to achieve 50G (bundling 2 x 25G links).		No Change
257	SISL Infotech Private Limited	Technical Specifications - Distribution Switch	102 of 128	Clause 7 - Switch Should support minimum 200K Mac Table	The asked MAC addresses on Distribution are even higher than the Core Switch. Requesting you to please amend the clause - "Switch Should support minimum 32K Mac Table"		As per corrigendum-1
258	SISL Infotech Private Limited	Technical Specifications - Distribution Switch	102 of 128	Clause 9 - 1. Minimum 200K IPv4 and IPv6 routes	The asked IPv4/v6 routes are practically on very higher side - requesting you to please amend to - 1. Min. 39K IPv4 and 19.5K IPv6 routes		As per corrigendum-1

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259	SISL Infotech Private Limited	Technical Specifications - Distribution Switch	102 of 128	Clause 9 - 2. Basic IPv4 and IPv6 Static Routing, OSPF, BGP, ECMP, VXLAN and EVPN, Host Routes, Data center bridging (DCBX), PIM SM/DM multicast, Virtual Interfaces, Routed Interfaces, Route Only and Routing between directly connected subnets from day 1.	DCBX is generally used in DC-DR for L2 extensions - in particular for use with clustering and storage area networks. Requesting you to please remove (Data Center Bridging (DCBX) for us to comply to this requirement.		No Change
260	SISL Infotech Private Limited	Technical Specifications - AP Type 2	110 of 128	Clause 3 - It Should have minimum two (2) IGbE RJ45 ports.	Requesting you to please amend the clause - "It Should have minimum two (2) 1GbE or one(1) 1/2.5G mGig RJ45 ports."		As per corrigendum-1
261	SISL Infotech Private Limited	Technical Specifications - AP Type 3	111 of 128	Clause 3 - It Should have minimum two (2) IGbE RJ45 ports.	Requesting you to please amend the clause - "It Should have minimum two (2) 1GbE or one(1) 1/2.5G mGig RJ45 ports."		As per corrigendum-1
262	SISL Infotech Private Limited	Technical Specifications - AP Type 3	111 of 128	Clause 7 - It should support Smart Mesh/Self-healing Mesh	Requesting you to please remove this clause mesh is required for outdoor deployments, not applicable in indoor AP requirement.		As per corrigendum-1

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263	SISL Infotech Private Limited	Technical Specifications - 40G Transceiver	114 of 128	Clause 1 - Speed : 40Gbps	Requesting you to please amend the clause - Speed : 25Gbps The solution on 25G will be able to provide you cost effective solution, moreover, the configuration using Link aggregation will provide you 25G active active i.e. 50Gbps bandwidth between Core and Distribution layer.		No Change
264	SISL Infotech Private Limited	Technical Specifications - HCI Hardware - Network Switches	118 of 128	Clause 1 - 28 Ports 10GbE SFP+ and 2x 100Gb QSFP28 Layer 3 Switch with 960Gbps Switching Capacity and 720 Mpps Throughput	Requesting you to please amend the clause - 24 Ports 10GbE SFP+ and 2x 40/100Gb QSFP28 Layer 3 Switch with 960Gbps Switching Capacity and 720 Mpps Throughput		As per corrigendum-1
265	SISL Infotech Private Limited	Technical Specifications - HCI Hardware - OOB / Management Switch	119 of 128	48 line-rate GbE ports of copper, two combo ports for fiber/copper flexibility, and two integrated 10GbE SFP+ ports Stackable up to 12-units for high-density, high-availability aggregation and distribution	Requesting you to please amend the clause - "48 line-rate GbE ports of copper, two combo ports for fiber/copper flexibility, and two integrated 10GbE SFP+ ports should support HA Stackable up to 8-units for high-density, high-availability aggregation and distribution"		As per corrigendum-1
266	SISL Infotech Private Limited	Technical Specifications of Laptop	117 of 128	Battery - 4-Cell 54 WHr	Request you to amend the battery WHr from 54 WHr to 40 WHr, as most of the renowned brands come with 40Whr Battery		As per corrigendum-1

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267	SISL Infotech Private Limited	CHAPTER-VI Eligibility and Bid Evaluation	37-38 & 40-41	The bidder shall be in IT & ITES business for the last 5 years and shall have 5 years of experience as on date of floating of tender in all of the following areas: i. Supply and maintenance of servers, storage and computer systems ii. Supply and maintenance of End User Computing and peripherals iii. Supply and maintenance of networking devices like I/Os, wireless Access Points with controller, switches, routers, network cabling, NGFW etc.	Requesting you to please change the clause to - The bidder shall be in IT & 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 Installation of servers/storage/computer systems ii. Supply and Installation of End User Computing / peripherals iii. Supply and Installation of networking devices like I/Os/ wireless Access Points with controller/ switches/routers/ network cabling/NGFW etc.		As per corrigendum-1
268	SISL Infotech Private Limited	CHAPTER-V 5.15 Delivery and Documents	26	Delivery/ Commissioning of all the goods at the campus(es) of NSU should be made within a maximum of 14 weeks/19 weeks from the date of placement of LOI/LOA.	Requesting you to please change the clause to - Delivery/ Commissioning of all the goods at the campus(es) of NSU should be made within a maximum of 22 weeks/25 weeks from the date of placement of LOI/LOA.		No Change

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269	SISL Infotech Private Limited	Chapter-VII Performance Security/Performance Bank Guarantee	47	The successful bidder shall be required to deposit Performance Bank Guarantee equivalent to 10% of contract value to EdCIL within 7 days from the date of receipt of LOI	Requesting you to please change the clause to - The successful bidder shall be required to deposit Performance Bank Guarantee equivalent to 3% of contract value to EdCIL within 15 days from the date of receipt of LOI.		No Change
270	3i Infotech	Chapter V	31	The successful bidder shall depute requisite number of Engineers to address faults as raised by NSU to its support helpdesk within the Response Time. The Engineer should be adequately apprised of the network infrastructure deployed at NSU. 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.		Tender is self-explanatory
271	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	We understand the Helpdesk Function is bidder's responsibility so please confirm the service window .		Tender is self-explanatory

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				be reached on			
272	3i Infotech	Chapter V	34	Requirement of Key Personnel (Technical Manpower) for the NSU Campus.	Kindly confirm the minimum number of engineer expectation under this clause.		Tender is self-explanatory
273	3i Infotech	Chapter V	35	Monitor network performance (availability, utilization, throughput, goodput, and latency) and test for weaknesses.	Is there any tool available to monitor the network performance ,please confirm.		Tender is self-explanatory
274	3i Infotech	Chapter VI .6.2.3	38	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 order executed before 5 years but will be continued during last five years.		No Change
275	3i Infotech	Chapter VI .3	41	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	Under this clause we request you to accept the order of large central Gov. 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 .		As per corrigendum-1

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				(NGFW/equivalent) & monitoring system software (NMS, WLC)			
276	HFCL Ltd	CHAPTER-VI	-	-	<p>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</p> <p>Kindly add the following point in eligibility criteria- Bidder (including its OEM) should be 'Class-I Local Supplier'</p>		No Change
277	HFCL Ltd	CHAPTER-VI	-	-	<p>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.</p>		As per corrigendum-1

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					Kindly add the clause in the RFP		
278	HFCL Ltd	Annexure XVIII Point to Point Solution	98	Radio Must support LOS,nLOS condition with iOFDM	The given clause is restrictive with respect to radios and is specific to certain OEMs only. Hence, we request you to kindly remove this clause and allow other OEMs to participate in the tender.		As per corrigendum-1
279	HFCL Ltd	Annexure XVIII Point to Point Solution	98	System should support minimum of 500 Mbps aggregate throughput, upgradable more than 1 Gbps	As per industry standards, a throughput of up to 1 Gbps for a 2X2 MIMO solution is not feasible, and furthermore throughput cannot be upgraded with the same hardware, new hardware would be required for that. Therefore would request you to kindly amend the clause. Kindly amend the clause as 'System should support minimum of 500 Mbps aggregate throughput'		As per corrigendum-1
280	HFCL Ltd	Annexure XVIII Point to Point Solution	98	System should support the asymmetric modulation in channel bonding configuration	The given clause is restrictive with respect to radios and is specific to certain OEMs only. Hence, we request you to kindly amend this clause and allow other OEMs to participate in the tender. Kindly amend the clause as 'System should support the asymmetric		As per corrigendum-1

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					modulation'2		
281	HFCL Ltd	Annexure XVIII Point to Point Solution	98	Identity-Based user account Configurable password rules User Authentication and Radius Support	<p>The given clause is restrictive with respect to radios and is specific to certain OEMs only. Hence, we request you to kindly amend this clause and allow other OEMs to participate in the tender.</p> <p>Kindly amend the clause as 'Identity-Based user account Configurable password rules User Authentication'</p>		As per corrigendum-1
282	HFCL Ltd	Annexure XVIII Point to Point Solution	99	Should have 1 Gigabit Ethernet and 1 SFP port	<p>As per industry standards radios are equipped with one gigabit Ethernet port. The given clause is restrictive and is specific to certain OEMs only. Hence, we request you to kindly amend this clause and allow other OEMs to participate in the tender.</p> <p>Kindly amend the clause as 'Should have 1 Gigabit Ethernet port'</p>		As per corrigendum-1

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283	HFCL Ltd	Annexure XVIII Point to Point Solution	99	Minimum 200 km/h	The wind survivability speed of 200Km/h mentioned in the clause is not relevant to the deployment scenario in Tirupati. Hence, we request you to kindly amend this clause and allow other OEMs to participate in the tender. Kindly amend the clause as 'Minimum 140 km/h'		As per corrigendum-1
284	HFCL Ltd	Annexure XVIII Point to Point Solution	99	FCC Part 15E ; RSS 247 Issue 2; EN 302 502; EN 301 893 Safety: UL60950-1/22; IEC60950-1/22; EN60950-1.22; CSA-C22.2 No. 60950-1/22 EMC: US Part 15B, Canada RSS-GEN, Europe – EN 301 489-1 and -17	<u>RSS 247 Issue 2</u> is a Canadian certification. Hence not required in India. <u>EN 302 502</u> : Considering that EN 301 893 certification has already been asked for, availability of either can suffice the requirement. Considering <u>UL/IEC/EN/CSA-C22.2</u> , are alternatives of the same standard, availability of either can suffice the requirement. The US Part 15B, Canada RSS-GEN certifications are US and Canada specific and relevant to Indian deployment. Hence request you to amend this clause. Kindly amend the clause as 'FCC Part 15E ; EN 302 502/EN 301		As per corrigendum-1

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					893 Safety: UL60950-1/22/IEC60950-1/22/EN60950-1.22/CSA-C22.2 No. 60950-1/22 EMC:EN 301 489-1'		
285	HFCL Ltd	Annexure XVIII Point to Point Solution	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).	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 asked to referred by PMA policy. Hence, we request you to kindly remove this clause and allow local OEMs to participate in the tender. Kindly remove this clause as it is against 'Make in India' Policy		No change
286	HFCL Ltd	Annexure XVIII Point to Point Solution	108	Switches, NMS and wireless equipment should be from same OEM for ease of integration and management	Generally Access 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 Switch in the		No change

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					<p>industry. Furthermore, this clause is restrictive and against the PMA policy by DoT, GoI. 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 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 on the basis of most cost competitive solution meeting the requirement</p> <p>Kindly remove this clause</p>		
287	HFCL Ltd	Annexure XVIII AP Type 1	109	AP should have four 10/100/1000 Mbps speed LAN port and Auto-sensing link speed	<p>4 LAN ports are generally present in Home Wi-Fi Routers where a the router is placed on a table and clients can connect via those ports. As per industry standards 1 x 10/100/1000 Base T port and 1 x 100/1000/2500 SFP port is asked in Access Points that are deployed in ceilings and all clients connect Wirelessly and this would suffice</p>		No change

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					<p>the future throughput requirements as well.</p> <p>request to amend the clause accordingly 'AP should have 1x10/100/1000 Mbps speed LAN port and 1 x 100/1000/2500 SFP port Auto-sensing link speed'</p>		
288	HFCL Ltd	Annexure XVIII AP Type 1	109	Access point should be IoT-ready with built in Bluetooth 5 or ZigBee support	<p>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. We can provide the same with external radio</p> <p>Kindly amend the clause to 'Access point should be IoT-ready with built in/external Bluetooth 5 or ZigBee support'</p>		No change
289	HFCL Ltd	Annexure XVIII AP Type 1	109	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).	<p>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 asked to referred by PMA policy. Hence, we request you to</p>		No change

S.No.	Organisation	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks/Suggested Changes	Response
					<p>kindly remove this clause and allow local OEMs to participate in the tender.</p> <p>Kindly remove this clause as it is against 'Make in India' Policy</p>		
290	HFCL Ltd	Annexure XVIII AP Type 1	109	Switches, NMS and wireless equipment should be from same OEM for ease of integration and management	<p>Generally Access 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 Switch in the industry. Furthermore, this clause is restrictive and against the PMA policy by DoT, GoI. 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 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,</p>		No change

S.No.	Organisation	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks/Suggested Changes	Response
					hence, can be taken on the basis of most cost competitive solution meeting the requirement Kindly remove this clause		
291	HFCL Ltd	Annexure XVIII AP Type 2	110	It should be Dual-band 802.11abgn/ax, Wireless Indoor Access Point with Multi-Gigabit Ethernet backhaul, 4x4:4 streams, MU-MIMO.	Generally the available backhaul for educational institutes is up to 1 Gbps. Considering this a 2x2:2 WiFi-6 access point with a throughput of up to 1.78Gbps, is more than sufficient with respect to the available backhaul. This would also allow more OEMs to participate in the bidding process. Also a 4x4 Wi-Fi 6 access point would be 3-4 times more expensive in comparison, without sufficing any use case. Request you to amend as 'It should be Dual-band 802.11abgn/ax, Wireless Indoor Access Point with Multi-Gigabit Ethernet backhaul, 2x2:2 streams, MU-MIMO'		No change
292	HFCL Ltd	Annexure XVIII AP Type 2	110	It should provide minimum concurrent data rate of 4800 Mbps	Generally the available backhaul for educational institutes is up to 1 Gbps. Considering this a 2x2:2 WiFi-6 access point with a throughput of up to 1.78Gbps, is more than sufficient with respect to the available backhaul. This would also		No change

S.No.	Organisation	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks/Suggested Changes	Response
					<p>allow more OEMs to participate in the bidding process. Also a 4x4 Wi-Fi 6 access point would be 3-4 times more expensive in comparison, without sufficing any use case.</p> <p>Request you to amend as 'It should provide minimum concurrent data rate of 1700 Mbps'</p>		
293	HFCL Ltd	Annexure XVIII AP Type 2	110	It Should have minimum two (2) 1GbE RJ45 ports.	<p>Generally as per industry standards 1 x 10/100/1000 Base T port and 1 x 100/1000/2500 SFP port is asked for and this would suffice the future throughput requirements as well. Hence we request to amend the clause accordingly.</p> <p>Request you to amend as 'AP should have 1x10/100/1000 Base T Ethernet port and 1 x 100/1000/2500 SFP port'</p>		As per corrigendum-1
294	HFCL Ltd	Annexure XVIII AP Type 2	110	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).	<p>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 asked to referred by PMA policy. Hence, we request you to</p>		No change

S.No.	Organisation	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks/Suggested Changes	Response
					<p>kindly remove this clause and allow local OEMs to participate in the tender.</p> <p>Kindly remove this clause as it is against 'Make in India' Policy</p>		
295	HFCL Ltd	Annexure XVIII AP Type 2	110	Switches, NMS and wireless equipment should be from same OEM for ease of integration and management	<p>Generally Access 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 Switch in the industry. Furthermore, this clause is restrictive and against the PMA policy by DoT, GoI. 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 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,</p>		No change

S.No.	Organisation	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks/Suggested Changes	Response
					hence, can be taken on the basis of most cost competitive solution meeting the requirement Kindly remove this clause		
296	HFCL Ltd	Annexure XVIII AP Type 3	111	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)	Generally the available backhaul for educational institutes is up to 1 Gbps. Considering this a 2x2:2 WiFi-6 access point with a throughput of up to 1.78Gbps, is more than sufficient with respect to the available backhaul. This would also allow more OEMs to participate in the bidding process. Also a 4x4 Wi-Fi 6 access point would be 3-4 times more expensive in comparison, without sufficing any use case. Request to amend the clause as 'It should be Dual-band 802.11abgn/ax, Wireless Indoor Access Point with Multi-Gigabit Ethernet backhaul, 2x2:2 streams, MU-MIMO.'		No change
297	HFCL Ltd	Annexure XVIII AP Type 3	111	It should provide minimum concurrent data rate of 4800 Mbps.	Generally the available backhaul for educational institutes is up to 1 Gbps. Considering this a 2x2:2 WiFi-6 access point with a throughput of up to 1.78Gbps, is more than sufficient with respect to the		No change

S.No.	Organisation	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks/Suggested Changes	Response
					<p>available backhaul. This would also allow more OEMs to participate in the bidding process. Also a 4x4 Wi-Fi 6 access point would be 3-4 times more expensive in comparison, without sufficing any use case.</p> <p>Request you to amend as 'It should provide minimum concurrent data rate of 1700 Mbps'</p>		
298	HFCL Ltd	Annexure XVIII AP Type 3	111	It Should have minimum two (2) 1GbE RJ45 ports.	<p>Generally as per industry standards 1 x 10/100/1000 Base T port and 1 x 100/1000/2500 SFP port is asked for and this would suffice the future throughput requirements as well. Hence we request to amend the clause accordingly.</p> <p>Request you to amend as 'AP should have 1x10/100/1000 Base T Ethernet port and 1 x 100/1000/2500 SFP port'</p>		As per corrigendum-1
299	HFCL Ltd	Annexure XVIII AP Type 3	111	It should support Multi-Gigabit Ethernet backhaul and on-board BLE / ZigBee /IoT	<p>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. We can provide the same with external radio</p>		No Change

S.No.	Organisation	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks/Suggested Changes	Response
					Kindly amend the clause to 'Access point should be IoT-ready with built in/external Bluetooth 5 or ZigBee support'		
300	HFCL Ltd	Annexure XVIII AP Type 3	111	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).	<p>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 asked to referred by PMA policy. Hence, we request you to kindly remove this clause and allow local OEMs to participate in the tender.</p> <p>Kindly remove this clause as it is against 'Make in India' Policy</p>		No Change
301	HFCL Ltd	Annexure XVIII AP Type 3	111	Switches, NMS and wireless equipment should be from same OEM for ease of integration and management	<p>Generally Access 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 Switch in the industry. Furthermore, this clause is</p>		No Change

S.No.	Organisation	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks/Suggested Changes	Response
					<p>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 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 on the basis of most cost competitive solution meeting the requirement</p> <p>Kindly remove this clause</p>		
302	Nutanix	HCI Software	119	Live Virtual Machine migration between different generations of CPUs in the same cluster with and without the need for shared storage option. Should support Live Virtual Machine migration long distances from one site to another with no disruption to users or loss of services,	Long distance live migration required both sites to be running the same infrastructure. Since EDCIL is asking for only one site right now, there is no need to buy the long distance license. Moreover, practically there is a small cutover time (few mins) when VM's are migrated from one site to other site.	Live Virtual Machine migration between different generations of CPUs in the same cluster with and without the need for shared storage option. Should support Live Virtual Machine migration long distances from one site to another with no <u>minimal</u> disruption to users or loss	As per corrigendum-1

S.No.	Organisation	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks/Suggested Changes	Response
				eliminating the need to schedule application downtime or business downtime.		of services, eliminating the need to schedule <u>long</u> application downtime or business downtime.	
303	Nutanix	HCI Software	120	Should support all Virtualization benefits like VM HA, Live Migration, Resource Scheduling	Kindly confirm if you want this features configured from day 1. ?	Should support <u>provide</u> all Virtualization benefits like VM HA, Live Migration, Resource Scheduling	As per corrigendum-1
304	Nutanix	HCI Software	121	Should be Hardware independent to provide flexibility of choosing hardware from any server manufacturer & should support mixing of different compatible Server brands in same Cluster.	Different server brands require separate clusters, but can be managed with the same management console.	Should be Hardware independent to provide flexibility of choosing hardware from any server manufacturer & should support mixing of different compatible Server brands in same <u>HCI Cluster management tool</u> .	As per corrigendum-1
305	Nutanix	HCI Software	121	Should provide a Data persistence framework offers modern stateful services, such as object storage and NoSQL databases, to integrate with the underlying virtual infrastructure	Kindly confirm if you want to run Object storage also from the same HCI platform. If yes, please confirm how many TB of object data EDCIL intends to store.		Yes object storage is required for upto 2TB

S.No.	Organisation	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks/Suggested Changes	Response
306	Nutanix	FORMAT FOR SUBMISSION OF FINANCIAL BID	127	Compute and Storage Virtualization Software with Central Management Software - minimum 4 SKTs with 3 years Support Subscription as per Specifications	8 Socket worth of licenses will be required for the asked HCI cluster. Kindly clarify	Compute and Storage Virtualization Software with Central Management Software - minimum 4 <u>8</u> SKTs with 3 years Support Subscription as per Specifications	As per corrigendum-1
307	TCIL	Earnest Money Deposit	6	Rs. 5,25,000/- in form of Bank Guarantee from a Scheduled Commercial/ Nationalized Bank in India/ Demand Draft. Scanned copy to be uploaded with tender documents and original BG/ DD has to be submitted along with documents as per the Instructions to bidders.	With reference to the Govt of India Notification no: F/9/4/2020-PPD dated 12/11/2020 clause no: 04 that "no provisions regarding Bid Security should be kept in the Bid Documents in future and only provision for Bid Security Declaration should be kept in the Bid Documents." Kindly change as: Bidder has to submit Bid Security Declaration as per Gol guidelines.		No Change

S.No.	Organisation	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks/Suggested Changes	Response
308	TCIL	Performance Bank Guarantee (PBG) & 4.8 Performance Security	6	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	With reference to Notification no: F/9/4/2020-PPD dated 12/11/2020, Govt of India has accorded the approval for reduction of PBG from existing 5% -10% to 3% of the value of the contract for all the existing contracts and further, all tenders/contracts issued or concluded till 31.12.2021. Kindly change as: 3% of the total work value from the successful bidder.		No Change
309	TCIL	Consortium of companies/ firms	38	Consortium of companies/ firms is not allowed	Since the scope of work include setting up of whole network system which require expertise of area from network, security. In view of that kindly allow the consortium		No Change
310	TCIL	Work Experience	39	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	Work experience from consortium partner may please be considered to fulfill the experience part		No Change

S.No.	Organisation	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks/Suggested Changes	Response
				<p>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>			
311	TCIL	Average annual turnover	39	The Bidder should have an average annual turnover of at least INR 30 Crore from IT/ ITES services mentioned in Serial number 2 of PreQualification/Eligibility Criteria during the last three financial years i.e. 2018-19, 2019-20 &	Consolidated turnover from lead bidder & consortium partner should be considered to fulfill the average annual turnover terms		No Change

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				2020-21 respectively, with net profit and positive net-worth.			
312	Akshara	CHAPTER-VIII	86	Polyester based yarns below armoured tape for easy ripping	request you to amend to GLASS YARN		No Change
313	Akshara	CHAPTER-VIII	87	Max. Tensile Strength-Short Term;1500N	request you to amend to 1000N		No Change
314	Akshara	CHAPTER-VIII	87	Max. Crush Resistance-Short Term:2000N/10 cm	request you to amend to 1000N		No Change
315	Akshara	CHAPTER-VIII	87	Operating Temperature range -40°C to + 70°C	request you to amend to -20° C to +70° C		As per corrigendum-1
316	Akshara	CHAPTER-VIII	87	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	Easy removable Top plate with push buttons & Inner tray of patch panel can be easily slide front & back		No Change
317	Akshara	CHAPTER-VIII	87	The adapter plates must be an interchangeable front plate which can facilitates upgrades as & when required . OR Optical Fiber Adapters or Adapter with Plates, LC / SC style should be Optional.	Request to ammend to single removable front plate which accommodate 24 duplex adapter plates of LC or SC, can fix LC or SC front plate		No Change
318	Akshara	CHAPTER-VIII	87	The enclosure/LIU should have locks to secure all the fiber terminations & must have front cable	Kindly ammend to Due to easy access of patch cords will not have front cable management will route the patch cables through vertical		No Change

S.No.	Organisation	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks/Suggested Changes	Response
				management to properly route patch cords.	wire manager of rack for better management		
319	Akshara	CHAPTER-VIII	87	Powder coated Mild Steel/ Galvanized Steel	Request to Ammend to CRCA 1.2mm, powder coated		No Change
320	Akshara	CHAPTER-VIII	87	Rugged steel/ Galvanized Steel construction in graphite finish			No Change
321	Akshara	CHAPTER-VIII	87	Rear, side & base access for Incoming / Outgoing fiber cables			No Change
322	Akshara	CHAPTER-VIII	88	1.6 mm	request to ammend to 2MM		As per corrigendum-1
323	Akshara	CHAPTER-VIII	88	-40 Degree C to +60 Degree C	request to ammend to -25 up to +60		As per corrigendum-1
324	Akshara	CHAPTER-VIII	89	Category 6A 4 pair U/FTP LSOH cable shall be compliant with TIA/EIA- 568-C.2			No Change
325	Akshara	CHAPTER-VIII	89	Weight LSOH per 500m reel:30kg	request to ammend to 305Mtrs		No Change
326	Akshara	CHAPTER-VIII	92	Neutral Passing through	Point not clear please clarify in more detail		If any issue with UPS, the bypass option should be enabled without any manual intervention
327	Akshara	CHAPTER-VIII	92	<10ms (Inverter to Bypass)	request to ammend to Asynchronous transfer (default): ≤20ms		No change

S.No.	Organisation	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks/Suggested Changes	Response
328	Akshara	CHAPTER-VIII	92	(1) Surge Protection: UPS should have UL recognized internal/external SPD with TCO (Thermal Cutoff) with LED indication	request to ammend to Suitable rated TVSS shall be provided		No Change
329	Akshara	CHAPTER-VIII	92	Line-Neutral: (In=15kA, I _{max} >=40kA)			No Change
330	Akshara	CHAPTER-VIII	92	Earth-Neutral:(In=15kA, I _{max} >=40kA)			No Change
331	Akshara	CHAPTER-VIII	92	230 single phase Nominal	request to ammend to 176-288VAC at full load; 100-176VAC at linear derating; 100VAC at half load for 10KVA		No Change
332	Akshara	CHAPTER-VIII	92	160 - 300V @ 100% & 110V - 300V @ 50% load, +/- 5V	request to ammend to 110V-280V AC for 1KVA,2KVA,3KVA		No Change
333	Akshara	CHAPTER-VIII	93	2 stage charging with temperature compensation	request to ammend to Without temperature compensation for 1KVA,2KVA and 3KVA		No Change
334	Akshara	CHAPTER-VIII	96	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 36U available usable Space.	request to ammend to Total Usable "27 U" Space is meeting the requirement		As per corrigendum-1

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335	Akshara	CHAPTER-VIII	96	Racks should be manufactured by ISO9001:2008, ISO14001:2004 & ISO 45001:2018 Certified company and should have proper EHS Policy.	Better with ISO 27001 along with other required certificates		No Change
336	Akshara	CHAPTER-VIII	96	Manufacturing process shall comply with ROHS standards.	kindly ammend to Comply with manufacturing , Certification is pending		No Change
337	Akshara	CHAPTER-VIII	96	"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. IDU-ODU connectivity shall be upto maximum of 20mtr running distance to provide full capacity. Shall be provided with both top & bottom connectivity options. Gravitational drain outlet with drain pipe provided."	kindly ammend to Comply with 7KW AC with Green Gas of R407 and consume "9 U" with better air handling		No Change
338	Akshara	CHAPTER-VIII	96	For cooling redundancy Emergency Fan Cooling shall	request to ammend to Emergency Door opening option is available		No Change

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				be made available			
339	Akshara	CHAPTER-VIII	96	EFC unit should get triggered automatically	request to amend to Emergency Door opening option is available		No Change
340	Akshara	CHAPTER-VIII	96	During the utility power failure if the active cooling unit stops working until the power is restored by standby generator, the EFC should come on automatically and continue to provide airflow so that rise of temperature shall not be rapid.	request to amend to Emergency Fan can not provide sufficient air flow on that temperature hence Emergency Door opening option has been provided that helps to avoid any thermal shutdown of critical servers		No Change
341	Akshara	CHAPTER-VIII	101	Switch Should support minimum 100K Mac Table	100K Mac Table is huge for core switch. However there is a distribution/access layer to address the MAC layer forwarding request to relook in to this and modify the clause to moderate values which can suffice the requirement. Modified clause will be "Switch Should support minimum 90K Mac Table".		As per corrigendum-1
342	Akshara	CHAPTER-VIII	101	1. Minimum 200K IPv4 and IPv6 routes	Routing table mentioned here is huge for campus core switch where routing requirements are addressed with minimum entries. IPv4 and IPv6 routes size will be different in nature. IPv6 routing table is lesser than IPv4 because IPv6 IP address size is of 128-bit whereas IPv4		As per corrigendum-1

S.No.	Organisation	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks/Suggested Changes	Response
					address size is of 32-bits. Request to relook in to this and modify the clause to moderate values which can suffice the requirement. Modified clause will be "Shall support Minimum 128 K IPv4 routes and Minimum 32K IPv6 routes"		
343	Akshara	CHAPTER-VIII	101	Switches, NMS and wireless equipment should be from same OEM for ease of integration and management	Request to consider PTP solution as option as all Gartner leader OEMs might not have the PTP solution. Bidder should be allowed to stitch the PTP solution along with wired and wireless infrastructure. Our understanding is Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management. However, PTP solution may or may not be same OEM. please clarify.		P2P solution may be facilitated from the OEM of reputed make as per the specifications mentioned in tender as well as corrigendum.
344	Akshara	CHAPTER-VIII	102	The Switch should support Virtual Switching System (VSS) or Virtual Chassis (VC) or VPC or equivalent Switch Clustering feature, where the Switch Clustering feature should combine multiple switches into a single network element.	Distribution switches will always be configured with maximum 2 switches in HA for redundancy as per industry practice. Request to change it to 2 Switches. Note: As per proposed architecture it is one switch		As per the current requirement there is scope for one distribution switch at one location.

S.No.	Organisation	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks/Suggested Changes	Response
345	Akshara	CHAPTER-VIII	102	Switches, NMS and wireless equipment should be from same OEM for ease of integration and management	Request to consider PTP solution as option as all Gartner leader OEMs might not have the PTP solution. Bidder should be allowed to stitch the PTP solution along with wired and wireless infrastructure. Our understanding is Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management. However, PTP solution may or may not be same OEM. please clarify.		P2P solution may be facilitated from the OEM of reputed make as per the specifications mentioned in tender as well as corrigendum.
346	Akshara	CHAPTER-VIII	103	The switch shall have switching capacity of minimum 128 Gbps or more without stacking port	Out of 4*10SFP+ Ports two ports can be configured as stacking ports and additional ports can be utilized as uplink ports. Our understanding from the clause should be configured with two stacking ports is to configure two of the uplink ports are as stacking ports at day 1. Please clarify.		Stacking ports must be separate from ports mentioned in specification.
347	Akshara	CHAPTER-VIII	104	Switches, NMS and wireless equipment should be from same OEM for ease of integration and management	Request to consider PTP solution as option as all Gartner leader OEMs might not have the PTP solution. Bidder should be allowed to stitch the PTP solution along with wired and wireless infrastructure. Our understanding is Switches, Transceivers, NMS and wireless		P2P solution may be facilitated from the OEM of reputed make as per the specifications mentioned in tender as well as

S.No.	Organisation	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks/Suggested Changes	Response
					equipment should be from same OEM for ease of integration and management. However, PTP solution may or may not be same OEM. please clarify.		corrigendum.
348	Akshara	CHAPTER-VIII	105	Switch Should have internal redundant power supplies with fan module from day one	Redundant fan modules generally comes with chassis based switches and not with standalone access switches. Please modify the clause as "Switch Should have internal redundant power supplies with inbuilt fan" . Request to remove the fan module from the clause.		No Change
349	Akshara	CHAPTER-VIII	105	Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management	Request to consider PTP solution as option as all Gartner leader OEMs might not have the PTP solution. Bidder should be allowed to stich the PTP solution along with wired and wireless infrastructure. Our understanding is Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management. However, PTP solution may or may not be same OEM. please clarify.		P2P solution may be facilitated from the OEM of reputed make as per the specifications mentioned in tender as well as corrigendum.

S.No.	Organisation	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks/Suggested Changes	Response
350	Akshara	CHAPTER-VIII	106	Switch Should have Internal redundant power supplies with fan module from day one	Redundant fan modules generally comes with chassis based switches and not with standalone access switches. Please modify the clause as " Switch Should have internal redundant power supplies with inbuilt fan ". Request to remove the fan module from the clause.		No Change
351	Akshara	CHAPTER-VIII	106	Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management	Request to consider PTP solution as option as all Gartner leader OEMs might not have the PTP solution. Bidder should be allowed to stich the PTP solution along with wired and wireless infrastructure. Our understanding is Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management. However, PTP solution may or may not be same OEM. please clarify.		P2P solution may be facilitated from the OEM of reputed make as per the specifications mentioned in tender as well as corrigendum.
352	Akshara	CHAPTER-VIII	106	Should provide minimum 190 W PoE budget	12 port access switch is never going to be connected to full capacity with access points/PoE devices. Normally max. 8 nos. PoE devices can be connected. hence max. 120w PoE budget is sufficient for 12 Ports PoE switch. Also connected end device power consumption will		No Change

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					not be similar always. Considering all these parameters we request to modify the power budget to minimum 120W.		
353	Akshara	CHAPTER-VIII	107	Switch Should support internal/ external redundant power supply from day one.	Normally redundant power supply required in either core switch, distribution switch, 48 Ports access switch or 24 Ports access switches. 12 ports PoE switches will be used to connect end devices. and this is standard for all leading OEMs. Request to kindly remove this clause so that leading OEM can participate.		No Change
354	Akshara	CHAPTER-VIII	106	Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management	Request to consider PTP solution as option as all Gartner leader OEMs might not have the PTP solution. Bidder should be allowed to stitch the PTP solution along with wired and wireless infrastructure. Our understanding is Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management. However, PTP solution may or may not be same OEM. please clarify.		P2P solution may be facilitated from the OEM of reputed make as per the specifications mentioned in tender as well as corrigendum.
355	Akshara	CHAPTER-VIII	108	Switches, Transceivers, NMS and wireless equipment should be from same OEM	Request to consider PTP solution as option as all Gartner leader OEMs might not have the PTP solution.		P2P solution may be facilitated from the OEM of

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				for ease of integration and management	Bidder should be allowed to stitch the PTP solution along with wired and wireless infrastructure. Our understanding is Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management. However, PTP solution may or may not be same OEM. please clarify.		reputed make as per the specifications mentioned in tender as well as corrigendum.
356	Akshara	CHAPTER-VIII	109	Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management	Request to consider PTP solution as option as all Gartner leader OEMs might not have the PTP solution. Bidder should be allowed to stitch the PTP solution along with wired and wireless infrastructure. Our understanding is Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management. However, PTP solution may or may not be same OEM. please clarify.		P2P solution may be facilitated from the OEM of reputed make as per the specifications mentioned in tender as well as corrigendum.
357	Akshara	CHAPTER-VIII	110	It should be Dual-band 802.11abgn/ax, Wireless Indoor Access Point with Multi-Gigabit Ethernet backhaul, 4x4:4 streams, MU-MIMO.	Our understanding on 4x4:4 stream support should be available on 5 GHz band. Please clarify or kindly amend the clause as " It should be Dual-band 802.11abgn/ax, Wireless Indoor Access Point with Multi-Gigabit Ethernet backhaul,		As per corrigendum-1

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					4x4:4 streams in 5Ghz and 2x2:2 stream in 2.4Ghz, MU-MIMO."		
358	Akshara	CHAPTER-VIII	110	It should provide minimum concurrent data rate of 4800 Mbps	Data rates are always varied when we compare it with real world throughputs. NSU shall ask for the real throughput which is delivered by the proposed Access point. Please modify the clause to "It should provide minimum real-world throughput of 2000 Mbps"		No Change
359	Akshara	CHAPTER-VIII	110	Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management	Request to consider PTP solution as option as all Gartner leader OEMs might not have the PTP solution. Bidder should be allowed to stitch the PTP solution along with wired and wireless infrastructure. Our understanding is Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management. However, PTP solution may or may not be same OEM. please clarify.		P2P solution may be facilitated from the OEM of reputed make as per the specifications mentioned in tender as well as corrigendum.

S.No.	Organisation	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks/Suggested Changes	Response
360	Akshara	CHAPTER-VIII	111	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)	Dual 5GHz support is needed only for the high density wifi endpoints within a small proximity and leads to an expensive solution too. Though Aruba too support dual 5GHZ APs, by considering your kind of an environment, we suggest to amend the same by removing the dual 5GHz from the clause. Modified clause shall be read as " 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 "		No Change
361	Akshara	CHAPTER-VIII	111	It should provide minimum concurrent data rate of 4800 Mbps.	Data rates are always varied when we compare it with real world throughputs. NSU shall ask for the real throughput which is delivered by the proposed Access point. Please modify the clause to " It should provide minimum real-world throughput of 2800 Mbps "		No Change
362	Akshara	CHAPTER-VIII	111	Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management	Request to consider PTP solution as option as all Gartner leader OEMs might not have the PTP solution. Bidder should be allowed to stich the PTP solution along with wired and wireless infrastructure. Our understanding is Switches, Transceivers, NMS and wireless		P2P solution may be facilitated from the OEM of reputed make as per the specifications mentioned in tender as well as

S.No.	Organisation	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks/Suggested Changes	Response
					equipment should be from same OEM for ease of integration and management. However, PTP solution may or may not be same OEM. please clarify.		corrigendum.
363	Akshara	CHAPTER-VIII	112	NMS should be hardware/appliance-based controller OR software/virtual machine-based. Must be able to support minimum 500 devices from day one and should be scalable to support minimum 2500 devices on the same appliance	Request to accept Cloud based NMS also which can offer more Proactive approach, flexibility and artificial intelligence insights with machine learning capabilities with unlimited scalability. Modified clause will be "NMS should be hardware/appliance-based controller OR software/virtual machine-based or it can be cloud based . Must be able to support minimum 500 devices from day one and should be scalable to support minimum 2500 devices on the same appliance"		No Change
364	Akshara	CHAPTER-VIII	112	Must provide centralized management that should be able to manage wired, wireless & security components of 3rd party OEMS's Must provide a system wide deployment of VLAN configuration and monitoring capabilities.	Security components will have separate management and NMS will have to deal with wired and wireless infrastructure in general. Please remove the Security components of 3rd party OEMs from the clause. Modified clause will be "Must provide centralized management that should be able to manage wired, wireless devices"		No Change

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					and Must provide a system wide deployment of VLAN configuration and monitoring capabilities."		
365	Akshara	CHAPTER-VIII	114	Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management	Request to consider PTP solution as option as all Gartner leader OEMs might not have the PTP solution. Bidder should be allowed to stitch the PTP solution along with wired and wireless infrastructure. Our understanding is Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management. However, PTP solution may or may not be same OEM. please clarify.		P2P solution may be facilitated from the OEM of reputed make as per the specifications mentioned in tender as well as corrigendum.

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366	Global Networks	6.2	38	<p>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.</p> <p>For MSMEs and Start-Ups duly registered with the Government of India the turnover criteria shall be relaxed by 20% (i.e. these firms should have Annual turnover of at least INR 24 Crore in the last three financial years (FY 2018-19, 2019-20 & 2020-21)), Subject to meeting of quality, scope technical specification and other criteria asked in this document.</p>	<p>our organisation was split in 2 entities in year 2017-2018 ,management for both the entities remain the same</p> <p>average turn over is 34 Ccrores per year.</p> <p>for MSME Entity we have turn over around 21 Crores on average kindly confirm on the below criteria for qualification</p>		All the credentials shall be sought from the bidding organization
367	Global Networks	6.2	39	The bidder should be a certified ISO 9000/9001 and ISO 27001-2013 certified company. Relevant	we are certified ISO 9001 : 2015		Tend is self explanatory

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				Organizational Level Certificates to be provided			
368	Lenovo	Laptop	DIMM Slots	Minimum 2, No memory to be soldered onto motherboard	Single DIMM slot	We can offer 32GB RAM Expandibility with One DIMM slot and user can achieve the desired expandability. Request you to remove number of DIMM slot requirement	As per corrigendum-1
369	Lenovo	Laptop	Wi-Fi connectivity	Intel® AX201, 2x2 MIMO, 2.40 Gbps, 2.40 Ghz/5 GHz, Wi-Fi 6 (Wi-Fi 802.11ax)	Intel Wi-Fi 6E AX210, 802.11ax 2x2 Wi-Fi + Bluetooth 5.2, M.2 Card	Asking for specific Wi-Fi card may restrict OEM/bidder in case particular card is not available at the time of bidding or supply. Please change this to any 802.11ac Dual Band 2x2 Wi-Fi® + Bluetooth 5.1, M.2 card	As per corrigendum-1
370	Lenovo	Laptop	Battery	4-Cell 54 WHr	45Whr battery	As per industry standard ,Most 14" notebooks have 45Whr battery. Request you to Please change this 45Whr battery with >8hiurs backup as per Mobilemark 2018	As per corrigendum-1

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371	Lenovo	Laptop	Performance Optimization/Improvement Software	AI-Based Optimization Software		Laptop do not have AI Optimized software feature. Request you to please remove this parameter	As per corrigendum-1
372	SISL Infotech Private Limited	Technical Specifications - UTM FIREWALL	99 of 128	Clause no. 1 - Next generation firewall should have minimum following Interfaces: 2 x 10GE SFP+ Slots, 4 x GE RJ45 Interfaces, 8 x GE SFP Slots, 1 x GE RJ45 Management Ports, 1 x USB Port.	Requesting you to please change the clause to - Next generation firewall should have minimum following Interfaces: 8 x 1/10GE SFP+ Slots, 4 x GE RJ45 Interfaces, 1 x GE RJ45 Management Ports, 1 x USB Port. As for segmenting the network - the requirement for 10G interfaces is higher, whereas the suggested ports - 8x1/10G will have capability to work as either 8x1G or 8x10G. this will meet the technical requirement. Requesting you to please amend the clause		No Change

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373	SISL Infotech Private Limited	Technical Specifications - UTM FIREWALL	100 of 128	Clause no. 7 - Should support minimum NGFW Throughput - 9 Gbps, Threat Protection Throughput - 5.5 Gbps , Firewall 1518B (UDP)/ Firewall 1024B -19 Gbps, Concurrent Session - 8 Million, IPSEC VPN Throughput -18 Gbps,New Sessions Per Second-160000.	<p>1. Requesting you to please clarify the WAN / Internet bandwidth terminating on the Firewall. Considering 8Gbps link on a 9Gbps NGFW, please clarify how many users are expected to be connected from outside as IPSEC VPN users? We understand - Even as compared to the Firewall throughput (19Gbps with 1024B packet size) - the asked IPSEC VPN throughput is exceptionally higher. This needs to be in proportion to the IPSEC VPN users on the internet/WAN links, Requesting you to please reduce it to 8 Gbps for us to propose the equivalent product which shall meet the functional requirement.</p> <p>2. Different OEMs calculate the values differently, We calculate Throughput, max. concurrent sessions, max. new connections per second with Application Visibility and Control (AVC) enabled. Similarly, requesting you to please reduce the New Connections Per Second to 90K so that we can comply on the equivalent product.</p>		No Change

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374	SISL Infotech Private Limited	Technical Specifications - UTM FIREWALL	100 of 128	The OEM shall be consistently present in Leaders quadrant of Gartner's Magic Quadrant for the last three years (2020,2019, and 2018).	Requesting you to please amend the clause - "The OEM should be a leader in Gartner Quadrant at least twice in last 3 years" . For us to comply and participate in the RFP.		No Change
375	SISL Infotech Private Limited	Technical Specifications - Core Switch	101 of 128	Clause 1- Each Core Switch should have Minimum Forty-Eight (48) 1G/10G/25G SFP28 Slots and Minimum Eight (8) 40G/100G QSFP28 Slots.	Requesting to you please amend the clause as - "Each Core Switch should have Minimum Forty-Eight (48) 1G/10G/25G SFP28 Slots and Minimum four (4) 40G/100G QSFP28 Slots." We recommend the Core-to-Distribution connectivity on 25G thus optimizing the cost of transceivers, moreover proposing you to use dual active links between Core and Distribution using Link Aggregation to achieve 50G (bundling 2 x 25G links).		No Change
376	SISL Infotech Private Limited	Technical Specifications - Core Switch	101 of 128	Clause 4 - Switching Bandwidth: The Core Switch should provide Non-Blocking switch fabric capacity of 4 Tbps (4,000 Gbps) or more.	Requesting you to please amend the clause as - Switching Bandwidth: The Core Switch should provide Non-Blocking switch fabric capacity of 3.2 Tbps (3,200 Gbps) or more. For a 48port 25G with 4x40/100G		No Change

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					uplink - the switching bandwidth = $(48 \times 25 \times 2) + (4 \times 100 \times 2) = 2400 + 800 = 3200$ Gbps or 3.2Tbps		
377	SISL Infotech Private Limited	Technical Specifications - Core Switch	101 of 128	Clause 7 - Switch Should support minimum 100K Mac Table	Requesting you to please amend the clause - "Switch Should support minimum 80K Mac Table" for us to comply to the requirement		No Change
378	SISL Infotech Private Limited	Technical Specifications - Core Switch	101 of 128	Clause 10 - 2. Basic IPv4 and IPv6 Static Routing, OSPF, BGP, ECMP, VXLAN and EVPN, Host Routes, Data center bridging (DCBX), PIM SM/DM multicast, Virtual Interfaces, Routed Interfaces, Route Only and Routing between directly connected subnets from day 1.	DCBX is generally used in DC-DR for L2 extensions - in particular for use with clustering and storage area networks. Requesting you to please remove (Data Center Bridging (DCBX) for us to comply to this requirement.		No Change
379	SISL Infotech Private Limited	Technical Specifications - Core Switch	101 of 128	Clause 12 - Switch should have minimum 4 x Hot-Swappable FAN Assemblies with airflow options	Requesting you to please amend the clause - "Switch should have minimum 4 x Hot-Swappable FAN and support online insertion and removal of fans"		No Change

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380	SISL Infotech Private Limited	Technical Specifications - Distribution Switch	102 of 128	Clause 1 - Aggregation /Distribution Switch should have minimum Twenty-Four (24) 1G/10G SFP+ Slots and minimum two (2) 40G QSFP+ Slots.	Requesting you to please amend the clause - "Aggregation /Distribution Switch should have minimum Twenty-Four (24) 1G/10G SFP+ Slots and minimum two (2) 25G QSFP+ Slots." We recommend the Core-to-Distribution connectivity on 25G thus optimizing the cost of transceivers, moreover proposing you to use dual active links between Core and Distribution using Link Aggregation to achieve 50G (bundling 2 x 25G links).		No Change
381	SISL Infotech Private Limited	Technical Specifications - Distribution Switch	102 of 128	Clause 7 - Switch Should support minimum 200K Mac Table	The asked MAC addresses on Distribution are even higher than the Core Switch. Requesting you to please amend the clause - "Switch Should support minimum 32K Mac Table"		As per corrigendum-1
382	SISL Infotech Private Limited	Technical Specifications - Distribution Switch	102 of 128	Clause 9 - 1. Minimum 200K IPv4 and IPv6 routes	The asked IPv4/v6 routes are practically on very higher side - requesting you to please amend to - 1. Min. 39K IPv4 and 19.5K IPv6 routes		As per corrigendum-1

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383	SISL Infotech Private Limited	Technical Specifications - Distribution Switch	102 of 128	Clause 9 - 2. Basic IPv4 and IPv6 Static Routing, OSPF, BGP, ECMP, VXLAN and EVPN, Host Routes, Data center bridging (DCBX), PIM SM/DM multicast, Virtual Interfaces, Routed Interfaces, Route Only and Routing between directly connected subnets from day 1.	DCBX is generally used in DC-DR for L2 extensions - in particular for use with clustering and storage area networks. Requesting you to please remove (Data Center Bridging (DCBX) for us to comply to this requirement.		No Change
384	SISL Infotech Private Limited	Technical Specifications - AP Type 2	110 of 128	Clause 3 - It Should have minimum two (2) IGbE RJ45 ports.	Requesting you to please amend the clause - "It Should have minimum two (2) 1GbE or one(1) 1/2.5G mGig RJ45 ports."		As per corrigendum-1
385	SISL Infotech Private Limited	Technical Specifications - AP Type 3	111 of 128	Clause 3 - It Should have minimum two (2) IGbE RJ45 ports.	Requesting you to please amend the clause - "It Should have minimum two (2) 1GbE or one(1) 1/2.5G mGig RJ45 ports."		As per corrigendum-1
386	SISL Infotech Private Limited	Technical Specifications - AP Type 3	111 of 128	Clause 7 - It should support Smart Mesh/Self-healing Mesh	Requesting you to please remove this clause mesh is required for outdoor deployments, not applicable in indoor AP requirement.		As per corrigendum-1

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387	SISL Infotech Private Limited	Technical Specifications - 40G Transceiver	114 of 128	Clause 1 - Speed : 40Gbps	Requesting you to please amend the clause - Speed : 25Gbps The solution on 25G will be able to provide you cost effective solution, moreover, the configuration using Link aggregation will provide you 25G active active i.e. 50Gbps bandwidth between Core and Distribution layer.		No Change
388	SISL Infotech Private Limited	Technical Specifications - HCI Hardware - Network Switches	118 of 128	Clause 1 - 28 Ports 10GbE SFP+ and 2x 100Gb QSFP28 Layer 3 Switch with 960Gbps Switching Capacity and 720 Mpps Throughput	Requesting you to please amend the clause - 24 Ports 10GbE SFP+ and 2x 40/100Gb QSFP28 Layer 3 Switch with 960Gbps Switching Capacity and 720 Mpps Throughput		As per corrigendum-1
389	SISL Infotech Private Limited	Technical Specifications - HCI Hardware - OOB / Management Switch	119 of 128	48 line-rate GbE ports of copper, two combo ports for fiber/copper flexibility, and two integrated 10GbE SFP+ ports Stackable up to 12-units for high-density, high-availability aggregation and distribution	Requesting you to please amend the clause - "48 line-rate GbE ports of copper, two combo ports for fiber/copper flexibility, and two integrated 10GbE SFP+ ports should support HA Stackable up to 8-units for high-density, high-availability aggregation and distribution"		As per corrigendum-1
390	SISL Infotech Private Limited	Technical Specifications of Laptop	117 of 128	Battery - 4-Cell 54 WHr	Request you to amend the battery WHr from 54 WHr to 40 WHr, as most of the renowned brands come with 40Whr Battery		As per corrigendum-1

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391	SISL Infotech Private Limited	CHAPTER-VI Eligibility and Bid Evaluation	37-38 & 40-41	The bidder shall be in IT & ITES business for the last 5 years and shall have 5 years of experience as on date of floating of tender in all of the following areas: i. Supply and maintenance of servers, storage and computer systems ii. Supply and maintenance of End User Computing and peripherals iii. Supply and maintenance of networking devices like I/Os, wireless Access Points with controller, switches, routers, network cabling, NGFW etc.	Requesting you to please change the clause to - The bidder shall be in IT & 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 Installation of servers/storage/computer systems ii. Supply and Installation of End User Computing / peripherals iii. Supply and Installation of networking devices like I/Os/ wireless Access Points with controller/ switches/routers/ network cabling/NGFW etc.		As per corrigendum-1
392	SISL Infotech Private Limited	CHAPTER-V 5.15 Delivery and Documents	26	Delivery/ Commissioning of all the goods at the campus(es) of NSU should be made within a maximum of 14 weeks/19 weeks from the date of placement of LOI/LOA.	Requesting you to please change the clause to - Delivery/ Commissioning of all the goods at the campus(es) of NSU should be made within a maximum of 22 weeks/25 weeks from the date of placement of LOI/LOA.		No Change

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393	SISL Infotech Private Limited	Chapter-VII Performance Security/Performance Bank Guarantee	47	The successful bidder shall be required to deposit Performance Bank Guarantee equivalent to 10% of contract value to EdCIL within 7 days from the date of receipt of LOI	Requesting you to please change the clause to - The successful bidder shall be required to deposit Performance Bank Guarantee equivalent to 3% of contract value to EdCIL within 15 days from the date of receipt of LOI.		No Change
394	SISL Infotech Private Limited	HCI			<p>We also want to draw your attention to the HCI solution and hardware specifications proposed in the Tender</p> <p>Current floated specification are for vSAN ready nodes and inclined towards one specific OEM and restricting other to participate with their better solutions. In today where almost 95-96% customer are choosing HCI appliance over ready nodes because of multiple benefits.</p> <p>HCI Appliances are the only fully integrated, pre-configured, and tested hyper-converged appliances powered by SDS layer from respective leading OEM's. HCI is the easiest and fastest way to simplify and extend a virtual environment,</p>		No change

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					<p>while dramatically reducing IT operations complexity along with capital and operational costs.</p> <p>The HCI Appliance combines virtualization, compute, Software Defined Storage, management, and network with a single point of support for the hardware and software in a simple 1U or 2U building block delivering unique and unmatched performance and efficiency benefits. All layers are tightly integrated with each other in HCI appliance and it delivers resiliency, QoS, and centralized management functionality—enabling faster, better, and simpler management of consolidated workloads, business-critical applications.</p> <p>Provides a single point of support for the Entire stack of HCI Software, hardware, network and Hypervisor. The HCI Appliance enables power-on to virtual machine (VM) creation in minutes, radically easy VM deployment, one-click non-disruptive patches and upgrades,</p>		

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					and extremely simplified management.		
395	Akshara	Annexure XVIII Core Switch Point - 7	100	Switch Should support minimum 100K Mac Table	100K Mac Table is huge for core switch. However there is a distribution/access layer to address the MAC layer forwarding request to relook in to this and modify the clause to moderate values which can suffice the requirement. Modified clause will be " Switch Should support minimum 90K Mac Table ".		As per corrigendum-1
396	Akshara	Annexure XVIII Core Switch Point - 10.1	100	Minimum 200K IPv4 and IPv6 routes	Routing table mentioned here is huge for campus core switch where routing requirements are addressed with minimum entries. IPv4 and IPv6 routes size will be different in nature. IPv6 routing table is lesser than IPv4 because IPv6 IP address size is of 128-bit whereas IPv4 address size is of 32-bits. Request to relook in to this and modify the clause to moderate values which can suffice the requirement. Modified clause will be " Shall support Minimum 128 K IPv4 routes and Minimum 32K IPv6 routes ".		As per corrigendum-1

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397	Akshara	Annexure XVIII 48 Port PoE/PoE+ /Non PoE Point - 10	104	Switch Should have internal redundant power supplies with fan module from day one	Redundant fan modules generally comes with chassis based switches and not with standalone access switches. Please modify the clause as " Switch Should have internal redundant power supplies with inbuilt fan ". Request to remove the fan module from the clause.		No Change
398	Akshara	Annexure XVIII 24 Port Switch Non PoE Point - 9	105	Switch Should have Internal redundant power supplies with fan module from day one	Redundant fan modules generally comes with chassis based switches and not with standalone access switches. Please modify the clause as " Switch Should have internal redundant power supplies with inbuilt fan ". Request to remove the fan module from the clause.		No Change
399	Akshara	Annexure XVIII 12 Port PoE+ Point - 2	105	Should provide minimum 190 W PoE budget	12 port access switch is never going to be connected to full capacity with access points/PoE devices. Normally max. 8 nos. PoE devices can be connected. hence max. 120w PoE budget is sufficient for 12 Ports PoE switch. Also connected end device power consumption will not be similar always. Considering all these parameters we request to modify the power budget to minimum 120W .		No Change

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400	Akshara	Annexure XVIII 12 Port PoE+ Point - 6	106	Switch Should support internal/ external redundant power supply from day one.	Normally redundant power supply required in either core switch, distribution switch, 48 Ports access switch or 24 Ports access switches. 12 ports PoE switches will be used to connect end devices. and this is standard for all leading OEMs. Request to kindly remove this clause so that leading OEM can participate.		No Change
401	Akshara	Annexure XVIII AP Type 2 Point - 2	109	It should provide minimum concurrent data rate of 4800 Mbps	Data rates are always varied when we compare it with real world throughputs. NSU shall ask for the real throughput which is delivered by the proposed Access point. Please modify the clause to " It should provide minimum real-world throughput of 2000 Mbps "		No Change
402	Akshara	Annexure XVIII AP Type 3 Point - 1	110	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)	Dual 5GHz support is needed only for the high density wifi endpoints within a small proximity and leads to an expensive solution too. Though Aruba too support dual 5GHZ APs, by considering your kind of an environment, we suggest to amend the same by removing the dual 5GHz from the clause. Modified clause shall be read as " It Should be Dual-band 802.11abgn/ax, Wi-Fi 6 AP that		No Change

S.No.	Organisation	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks/Suggested Changes	Response
					supports 4 spatial streams in 5GHz & 4 spatial stream in 2.4GHz"		
403	Akshara	Annexure XVIII AP Type 3 Point - 2	110	It should provide minimum concurrent data rate of 4800 Mbps .	Data rates are always varied when we compare it with real world throughputs. NSU shall ask for the real throughput which is delivered by the proposed Access point. Please modify the clause to " It should provide minimum real-world throughput of 2800 Mbps "		No Change
404	Akshara	Annexure XVIII WLC Point - 1	106	WLAN Controller should be hardware/appliance-based controller OR software/virtual machine-based controller loaded with 500 AP Licenses from day one and should be scalable and support up to 1000 APs in a single 1 RU chassis with licenses upgrade. Note: Software/COTS VM based WLAN controller should be accompanied with all the requisite hardware, licenses, software without incurring any extra cost/burden on NSU and the cost quoted for Software/COTS VM based	VM based controller not recommended for encryption performance and however it needs the additional hardware resources as well. We recommend dedicated hardware controller to deliver better encryption performance and request to remove the VM controller from the clause. Modified clause will be " WLAN Controller should be hardware/appliance-based controller loaded with 500 AP Licenses from day one and should be scalable and support up to 1000 APs in a single 1 RU chassis with licenses upgrade, and controller hardware appliance shall support minimum 20 Gbps Firewall throughput from day 1 and scalable for more throughput. "		No Change

S.No.	Organisation	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks/Suggested Changes	Response
				WLAN Controller should comprise the total incurred cost of the entire system (hardware, license, software and all other requisite components).			
405	Akshara	Annexure XVIII NMS Point - 2	111	NMS should be hardware/appliance-based controller OR software/virtual machine-based. Must be able to support minimum 500 devices from day one and should be scalable to support minimum 2500 devices on the same appliance	Request to accept Cloud based NMS also which can offer more Proactive approach, flexibility and artificial intelligence insights with machine learning capabilities with unlimited scalability. Modified clause will be <i>"NMS should be hardware/appliance-based controller OR software/virtual machine-based or it can be cloud based . Must be able to support minimum 500 devices from day one and should be scalable to support minimum 2500 devices on the same appliance"</i>		No Change
406	Akshara	Annexure XVIII NMS Point - 4	111	Must provide centralized management that should be able to manage wired, wireless & security components of 3rd party OEMS's Must provide a system wide deployment of VLAN configuration and monitoring capabilities.	Security components will have separate management and NMS will have to deal with wired and wireless infrastructure in general. Please remove the Security components of 3rd party OEMs from the clause. Modified clause will be "Must provide centralized management that should be able		No Change

S.No.	Organisation	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks/Suggested Changes	Response
					to manage wired, wireless devices and Must provide a system wide deployment of VLAN configuration and monitoring capabilities."		
407	Akshara	Clarification for confirmation					
408	Akshara	Annexure XVIII Core Switch Point - 2	99	The Core Switch should support Virtual Switching System (VSS) or Virtual Chassis (VC) or VPC or equivalent Switch Clustering feature, where the Switch Clustering feature should combine multiple switches into a single network element.	Core switches will always be configured with maximum 2 switches in HA for redundancy. Multiple switches concept is applicable for access switches where multiple switches can be configured as virtual chassis. Our understanding is it will be minimum two switches, please clarify. Note: As per proposed architecture these are two switches.		As per the current requirement there is scope for two core switches.
409	Akshara	Annexure XVIII Core Switch, Point - 18 Distribution Switch, Point - 3 DMZ switch, Point - 13 48 Port	100 102 103 104 105 106 109 110 113	Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management	Request to consider PTP solution as option as all Gartner leader OEMs might not have the P2P solution. Bidder should be allowed to stitch the PTP solution along with wired and wireless infrastructure. Our understanding is Switches, Transceivers, NMS and wireless equipment should be from same OEM for ease of integration and management. However, P2P solution may or may not be same OEM. please clarify.		P2P solution may be facilitated from the OEM of reputed make as per the specifications mentioned in tender as well as corrigendum.

S.No.	Organisation	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks/Suggested Changes	Response
		PoE/PoE+ /Non PoE Point - 13 24 Port Switch Non PoE Point - 12 12 Port PoE+,Point - 9 WLC,Point - 9 AP Type 1,Point - 9 AP Type 2,Point - 7 AP Type 3,Point - 2 NMS,Point - 16					
410	Akshara	Annexure XVIII Distribution Switch Point - 3	101	The Switch should support Virtual Switching System (VSS) or Virtual Chassis (VC) or VPC or equivalent Switch Clustering feature, where the Switch Clustering feature should combine multiple switches into a single network element.	Distribution switches will always be configured with maximum 2 switches in HA for redundancy. Multiple switches concept is applicable for access switches where multiple switches can be configured as virtual chassis. Our understanding is it will be minimum two switches, please clarify.		As per the current requirement there is scope for one distribution switch at one location.

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					Note: As per proposed architecture it is one switch		
411	Akshara	Annexure XVIII DMZ switch Point - 4	102	Should support Stacking of minimum 05 Switches or more in a stack or equivalent and should be configured with stacking ports from day 1.	Out of 4*10SFP+ Ports two ports can be configured as stacking ports and additional ports can be utilized as uplink ports. Our understanding from the clause should be configured with two stacking ports is to configure two of the uplink ports are as stacking ports at day 1. Please clarify.		Stacking ports must be separate from ports mentioned in specification.
412	Akshara	Annexure XVIII AP Type 2 Point - 1	109	It should be Dual-band 802.11abgn/ax, Wireless Indoor Access Point with Multi-Gigabit Ethernet backhaul, 4x4:4 streams, MU-MIMO.	Our understanding on 4x4:4 stream support should be available on 5 GHz band. Please clarify or kindly ammend the clause as " 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. "		As per corrigendum-1

S.No.	Organisation	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks/Suggested Changes	Response
413	Akshara	Annexure XVIII Core Switch Distribution 48 Port PoE/PoE+ /Non PoE 24 Port Switch Non PoE 12 Port PoE+ New addition	100 102 104	All proposed (Core, distribution and access) Switches should support REST APIs/Open flow Or equivalent feature for programmability of network tasks	Recommending this clause to be included in all proposed switches so that programmability/automation of network task can be possible in NSU campus network.		No Change
414	Akshara	Distribution switch New addition	102	Switch should support minimum 7K Multicast routes	As the NSU campus looking for effective multicast for audio/video streaming, recommending to add above clause in all the switches to ensure effective multicast streaming in the network		No Change
415	Akshara	Access switches 24/48, PoE/Non PoE	103 104	The switches should support PIM SM/DM multicast protocols from day 1			No Change

S.No.	Organisation	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks/Suggested Changes	Response
416	Akshara	Annexure XVIII WLC Point - 2	106	High availability should be provided for controllers. In the event of a failure of the hardware/VM Based controller, another controller shall automatically take over the role.	VM based controller not recommended for encryption performance and however it needs the additional hardware resources as well. We recommend dedicated hardware controller to deliver better encryption performance and request to remove the VM controller from the clause. Modified clause will be " High availability should be provided for controllers. In the event of a failure of the hardware, another controller shall automatically take over the role. "		No Change
417	Akshara	Annexure XVIII WLC Point - 3	107	Controller should have capacity to handle minimum 10000 or more Concurrent devices and Minimum 60,000 for future support either through cluster or through a single hardware.	For 1000AP supported controller it is recommended to have minimum 20000 or more concurrent devices even if we consider 2 concurrent device per AP. Please modify the clause to " Controller should have capacity to handle minimum 20000 or more Concurrent devices and Minimum 60,000 for future support either through cluster or through a single hardware. "		No Change

S.No.	Organisation	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks/Suggested Changes	Response
418	Akshara	Annexure XVIII WLC New	107	Wireless LAN solution shall support WIDS, WIPS, ARP Spoofing Detection and prevention, detection & prevention of an Ad-hoc connection, detect and prevent common RF attacks like HotSpot, FATA-jack, OMERA etc, identifying sources of WIFI and NON-Wifi interferences, Rogue AP Detection and prevention, Honeypot AP's detection, misconfigured AP's detection, preventing students to use their Laptops and systems as DHCP server, blacklisting users who intended to disconnect other users from AP using free software's like netcut etc from day one.	Wireless controller should have support for the mentioned security(IDS/IPS) Features so as to ensure wireless security for university users.		No Change
419	Akshara	Annexure XVIII AP Type 2 & type 3 New addition	109 110	Access point should support LACP between both network ports for redundancy and increased capacity	As access points are having two interfaces, using Link aggregation protocol which is an open IEEE standard we can combine both interface for high capacity and use it for redundancy as well		No Change
420	Acer India	Pre-Qualificati	Page 37 of	Consortium of companies/ firms is not allowed.	Request to allow Consortium / JV of two partners. Benefits to		No Change

S.No.	Organisation	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks/Suggested Changes	Response
	(P) Ltd	on/Eligibility Criteria	128		<p>Organisation :- Participation of bidders as consortium of two partners/agencies as this will bring in a lot of commonality of efforts, Specialization of technical expertise and Business expertise and economic viability for procurements done by prestigious Institutions like EdCIL which funded by Govt. Further this allows removal of any restrictive condition.</p> <p>Hence to serve with best of breed solution and commercial exposure the combination of experience and expertise of a consortium of companies (Lead Bidder / Member bidder should be allowed for eligibility) it allows fair participation. 2. Sharing synergies and learning from each other's expertise. 3. Wider participation of bidders leading to competition and better commercials for the Purchaser. 4. Capable bidder can get Financial support -specially in time of Covid - 19 when organisations are struggling with financial crunch.</p>		

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421	Acer India (P) Ltd	Pre-Qualification/Eligibility Criteria	Page 40 of 128	The bidder should submit valid undertaking from the OEM for Hardware/ Equipment, confirming the following:	Request to allow only bidder of JV/consortium to be atleast Gold partners of the OEM so as to allow OEM qualified bidders to participate. This encourages only serious bidders to participate in JV		No Change
422	Acer India (P) Ltd	Clause 4.5 EMD	Page 16 of 128	Request to waive off EMD	EMD has been exempted as per new Government notification-Letter No. F.9/4/2020/-PPD Dated 12 November 2020 of Procurement Policy Division, Department of Expenditure, Ministry of Finance for Bid Security / EMD		No Change
423	Acer India (P) Ltd	Clause 4.8 Performance Security	Page 17	Bank Guarantee may be reduced to 3% of the total Purchase order	PBG has been reduced to 3% as per Government - Letter No. F.9/4/2020/-PPD Dated 12 November 2020 of Procurement Policy Division, Department of Expenditure, Ministry of Finance for Performance Security		No Change
424	Acer India (P) Ltd	Instruction to Bidder: Site Survey	Page 19 of 128	The successful bidder has to carry out site survey at all locations and prepare actual Bill of Materials required and project schedule within two weeks from the date of award of the contract/issue of Work Order	Request to clarify is the Autocad file will be shared for creating heatmaps; AutoCad Layout would be required in order to create heat map and prepare the actual quantity/placement of Wireless access points required for all location		The successful bidder shall be facilitated with available technical arrangements in order to support commissioning of project.

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425	Acer India (P) Ltd	Specifications - UTM FIREWALL	Page 100 of 128	The OEM shall be consistently present in Leaders quadrant of Gartner's Magic Quadrant for the last three years (2020,2019, and 2018).	Requesting you to please amend the clause - "The OEM should be a leader in Gartner Quadrant at least twice in last 3 years" . For lead OEMs to comply and participate in the RFP.		No Change
426	Acer India (P) Ltd	Technical Specifications - UTM FIREWALL	Page 99 of 128	Clause no. 1 - Next generation firewall should have minimum following Interfaces: 2 x 10GE SFP+ Slots, 4 x GE RJ45 Interfaces, 8 x GE SFP Slots, 1 x GE RJ45 Management Ports, 1 x USB Port.	Requesting you to please change the clause to - Next generation firewall should have minimum following Interfaces: 8 x 1/10GE SFP+ Slots, 4 x GE RJ45 Interfaces, 1 x GE RJ45 Management Ports, 1 x USB Port. As for segmenting the network - the requirement for 10G interfaces is higher, whereas the suggested ports - 8x1/10G will have capability to work as either 8x1G or 8x10G. this will meet the technical requirement. Requesting you to please amend the clause		No Change

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427	Acer India (P) Ltd	Technical Specifications - UTM FIREWALL	Page 100 of 128	Clause no. 7 - Should support minimum NGFW Throughput - 9 Gbps, Threat Protection Throughput - 5.5 Gbps , Firewall 1518B (UDP)/ Firewall 1024B -19 Gbps, Concurrent Session - 8 Million, IPSEC VPN Throughput -18 Gbps,New Sessions Per Second-160000.	<p>1. Requesting you to please clarify the WAN / Internet bandwidth terminating on the Firewall. Considering 8Gbps link on a 9Gbps NGFW, please clarify how many users are expected to be connected from outside as IPSEC VPN users? We understand - Even as compared to the Firewall throughput (19Gbps with 1024B packet size) - the asked IPSEC VPN throughput is exceptionally higher. This needs to be in proportion to the IPSEC VPN users on the internet/WAN links, Requesting you to please reduce it to 8 Gbps for us to propose the equivalent product which shall meet the functional requirement.</p> <p>2. Different OEMs calculate the values differently, We calculate Throughput, max. concurrent sessions, max. new connections per second with Application Visibility and Control (AVC) enabled. Similarly, requesting you to please reduce the New Connections Per Second to 90K so that we can comply on the equivalent product.</p>		No Change

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428	Acer India (P) Ltd	Technical Specifications - Core Switch	Page 101 of 128	Clause 1- Each Core Switch should have Minimum Forty-Eight (48) 1G/10G/25G SFP28 Slots and Minimum Eight (8) 40G/100G QSFP28 Slots.	<p>Requesting to you please amend the clause as - "Each Core Switch should have Minimum Forty-Eight (48) 1G/10G/25G SFP28 Slots and Minimum four (4) 40G/100G QSFP28 Slots."</p> <p>We recommend the Core-to-Distribution connectivity on 25G thus optimizing the cost of transceivers, moreover proposing you to use dual active links between Core and Distribution using Link Aggregation to achieve 50G (bundling 2 x 25G links).</p>		No Change
429	Acer India (P) Ltd	Technical Specifications - Core Switch	Page 101 of 128	Clause 4 - Switching Bandwidth: The Core Switch should provide Non-Blocking switch fabric capacity of 4 Tbps (4,000 Gbps) or more.	<p>Requesting you to please amend the clause as - Switching Bandwidth: The Core Switch should provide Non-Blocking switch fabric capacity of 3.2 Tbps (3,200 Gbps) or more.</p> <p>For a 48port 25G with 4x40/100G uplink - the switching bandwidth = $(48 \times 25 \times 2) + (4 \times 100 \times 2) = 2400 + 800 = 3200$ Gbps or 3.2Tbps</p>		No Change

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430	Acer India (P) Ltd	Technical Specifications - Core Switch	Page 101 of 128	Clause 7 - Switch Should support minimum 100K Mac Table	Requesting you to please amend the clause - "Switch Should support minimum 80K Mac Table" for us to comply to the requirement		As per corrigendum-1
431	Acer India (P) Ltd	Technical Specifications - Core Switch	Page 101 of 128	Clause 10 - 2. Basic IPv4 and IPv6 Static Routing, OSPF, BGP, ECMP, VXLAN and EVPN, Host Routes, Data center bridging (DCBX), PIM SM/DM multicast, Virtual Interfaces, Routed Interfaces, Route Only and Routing between directly connected subnets from day 1.	DCBX is generally used in DC-DR for L2 extensions - in particular for use with clustering and storage area networks. Requesting you to please remove (Data Center Bridging (DCBX) for us to comply to this requirement.		No Change
432	Acer India (P) Ltd	Technical Specifications - Core Switch	Page 101 of 128	Clause 12 - Switch should have minimum 4 x Hot-Swappable FAN Assemblies with airflow options	Requesting you to please amend the clause - "Switch should have minimum 4 x Hot-Swappable FAN and support online insertion and removal of fans"		No Change
433	Acer India (P) Ltd	Technical Specifications - Distribution Switch	Page 102 of 128	Clause 1 - Aggregation /Distribution Switch should have minimum Twenty-Four (24) 1G/10G SFP+ Slots and minimum two (2) 40G QSFP+ Slots.	Requesting you to please amend the clause - "Aggregation /Distribution Switch should have minimum Twenty-Four (24) 1G/10G SFP+ Slots and minimum two (2) 25G QSFP+ Slots." We recommend the Core-to-Distribution connectivity on 25G thus optimizing the cost of transceivers, moreover proposing		No Change

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					you to use dual active links between Core and Distribution using Link Aggregation to achieve 50G (bundling 2 x 25G links).		
434	Acer India (P) Ltd	Technical Specifications - Distribution Switch	Page 102 of 128	Clause 7 - Switch Should support minimum 200K Mac Table	The asked MAC addresses on Distribution are even higher than the Core Switch. Requesting you to please amend the clause - "Switch Should support minimum 32K Mac Table"		As per corrigendum-1
435	Acer India (P) Ltd	Technical Specifications - Distribution Switch	Page 102 of 128	Clause 9 - 1. Minimum 200K IPv4 and IPv6 routes	The asked IPv4/v6 routes are practically on very higher side - requesting you to please amend to - 1. Min. 39K IPv4 and 19.5K IPv6 routes		As per corrigendum-1
436	Acer India (P) Ltd	Technical Specifications - Distribution Switch	Page 102 of 128	Clause 9 - 2. Basic IPv4 and IPv6 Static Routing, OSPF, BGP, ECMP, VXLAN and EVPN, Host Routes, Data center bridging (DCBX), PIM SM/DM multicast, Virtual Interfaces, Routed Interfaces, Route Only and Routing between directly connected subnets from day 1.	DCBX is generally used in DC-DR for L2 extensions - in particular for use with clustering and storage area networks. Requesting you to please remove (Data Center Bridging (DCBX) for us to comply to this requirement.		No Change

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437	Acer India (P) Ltd	ICT COMPONENTS SPECIFICATION 48 Port Poe/Non-POE Access Swtiches	Page 103 of 128	Stacking bandwidth: 40 Gbps or more	Request to modify the clause to Stacking bandwidth: 80 Gbps or more ; The requested stacking bandwidth are in lower side. We are requesting to change this to higher for a fare competition and to have a better product without compromising the performance. In addition of this, we would like to recommend to add below 1) Switch should have support for MACSec/IEEE 802.1AE (access and uplink ports) for Data Confidentially & Integrity standard " 2)Should Support IPv6 Ready logo from day 1		No Change
438	Acer India (P) Ltd	ICT COMPONENTS SPECIFICATION 48 Port Poe/Non-POE Access Swtiches	Page 103 of 128	1) 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 modify the clause to Type 1: 48-Port 10/100/1000 Mbps, 4 x 1G/10G SFP+ slots Type 2: 48-Port- 12XMig+ 36 10/100/1000 Mbps PoE/PoE+, 4 x 1G/10G SFP+ slots Referring WIFI-AP Section, requested AP is WiFi 6 Capable. With 1G ports, we can't get the advantage of WiFi6. WiFi6 capable AP comes with Mig Ethernet ports. We suggest here, please consider		No Change

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					12 Mig ports to get the desired performance.		
439	Acer India (P) Ltd	Technical Specifications - AP Type 2	Page 110 of 128	Clause 3 - It Should have minimum two (2) IGbE RJ45 ports.	Requesting you to please amend the clause - "It Should have minimum two (2) 1GbE or one(1) 1/2.5G mGig RJ45 ports."		As per corrigendum-1
440	Acer India (P) Ltd	Technical Specifications - AP Type 3	Page 111 of 128	Clause 3 - It Should have minimum two (2) IGbE RJ45 ports.	Requesting you to please amend the clause - "It Should have minimum two (2) 1GbE or one(1) 1/2.5G mGig RJ45 ports."		As per corrigendum-1
441	Acer India (P) Ltd	Technical Specifications - AP Type 3	Page 111 of 128	Clause 7 - It should support Smart Mesh/Self-healing Mesh	Requesting you to please remove this clause mesh is required for outdoor deployments, not applicable in indoor AP requirement.		As per corrigendum-1
442	Acer India (P) Ltd	Technical Specifications - AP Type 3	Page 111 of 128	Sn-6) It should support minimum 500 Clients per AP or more..	Request to modify the clause to Request to remove the clause		As per corrigendum-1
443	Acer India (P) Ltd	Technical Specifications - 40G Transceiver	Page 114 of 128	Clause 1 - Speed : 40Gbps	Requesting you to please amend the clause - Speed : 25Gbps The solution on 25G will be able to provide you cost effective solution, moreover, the configuration using Link aggregation will provide you 25G active active i.e. 50Gbps		No Change

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					bandwidth between Core and Distribution layer.		
444	Acer India (P) Ltd	Technical Specifications - HCI Hardware - Network Switches	Page 118 of 128	Clause 1 - 28 Ports 10GbE SFP+ and 2x 100Gb QSFP28 Layer 3 Switch with 960Gbps Switching Capacity and 720 Mpps Throughput	Requesting you to please amend the clause - 24 Ports 10GbE SFP+ and 2x 40/100Gb QSFP28 Layer 3 Switch with 960Gbps Switching Capacity and 720 Mpps Throughput		As per corrigendum-1
445	Acer India (P) Ltd	Technical Specifications - HCI Hardware - OOB / Management Switch	Page 119 of 128	48 line-rate GbE ports of copper, two combo ports for fiber/copper flexibility, and two integrated 10GbE SFP+ ports Stackable up to 12-units for high-density, high-availability aggregation and distribution	Requesting you to please amend the clause - "48 line-rate GbE ports of copper, two combo ports for fiber/copper flexibility, and two integrated 10GbE SFP+ ports should support HA Stackable up to 8-units for high-density, high-availability aggregation and distribution"		As per corrigendum-1
446	Acer India (P) Ltd	HCI Hardware Drives with Storage Controller	Page 117 of 128	Minimum 2 SSD disks must be used for caching in each node. The nodes must be provided with atleast 16TB raw capacity in each of them, making sure SSD capacity is at least 20%, while remaining 80% can be on HDD's. Bidder must ensure 30000 IOPS from each node with a workload of 70:30 read:write ratio and up-to 8KB block size.	Request to modify the clause to minimum of 1 or 2 SSD disks. The solution should be able to provide required IOPS independent of SSD & HDD Configuration.		No Change

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447	Acer India (P) Ltd	HCI Hardware Operating systems	Page 117 of 128	Microsoft® Windows Server® with Hyper-V Red Hat® Enterprise Linux SUSE® Linux Enterprise Server	Request to add VMware as well		No Change
448	Acer India (P) Ltd	HCI Software	Page 119 of 128	Solution must be configured using SSD and HDD. Minimum 15% SSD.	Percentage should criteria should be removed.		No Change
449	Acer India (P) Ltd	HCI Software	Page 119 of 128	Should be enabled with data efficiency features like Erasure Coding, Deduplication & Compression on All- disk tiers.	Request to remove erasure coding for open participation.		No Change
450	Acer India (P) Ltd	HCI Hardware & Software	Page 117 to 119 of 128		Hyper-converged infrastructure(HCI) is a software-defined IT infrastructure that virtualizes all of the elements of conventional "hardware-defined" systems. HCI includes, at a minimum, virtualized computing, software-defined storage, and virtualized networking. However as per our understanding in present form the HCI specs are more related and limited to vSAN ready nodes which is not industry standard. HCI Appliances are the only fully		No Change

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					<p>integrated, pre-configured, and tested hyper-converged appliances powered by SDS layer from respective leading OEM's. HCI is the easiest and fastest way to simplify and extend a virtual environment, while dramatically reducing IT operations complexity along with capital and operational costs. The HCI Appliance combines virtualization, compute, Software Defined Storage, management, and network with a single point of support for the hardware and software in a simple 1U or 2U building block delivering unique and unmatched performance and efficiency benefits. All layers are tightly integrated with each other in HCI appliance and it delivers resiliency, QoS, and centralized management functionality—enabling faster, better, and simpler management of consolidated workloads, business-critical applications.</p> <p>Provides a single point of support for the Entire stack of HCI Software, hardware, network and Hypervisor. The HCI Appliance enables power-</p>		

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					<p>on to virtual machine (VM) creation in minutes, radically easy VM deployment, one-click non-disruptive patches and upgrades, and extremely simplified management.</p> <p>Hence this could lead to a loose coupling between the different set of components in HCI and difficult to run & manage in short as well as long term so we would request to have refresh of tender specifications specially on HCI as per industry OEM benchmarks & best practises and not specific to limited 3rd party implementers.</p>		
451	3i Infotech	Chapter V	31	The successful bidder shall depute requisite number of Engineers to address faults as raised by NSU to its support helpdesk within the Response Time. The Engineer should be adequately apprised of the network infrastructure deployed at NSU. The Engineer so deputed during the delivery, installation, testing and handover phases and till the completion of the project	We understand bidder has to deployed requisite number of engineers service tenure so please confirm the Service window for the same.		Tender is self explanatory

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				will be responsible for the following:			
452	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 .		Tender is self-explanatory
453	3i Infotech	Chapter V	34	Requirement of Key Personnel (Technical Manpower) for the NSU Campus.	Kindly confirm the minimum number of engineer expectation under this clause.		Tender is self-explanatory
454	3i Infotech				Does bidder has to deploy the two different skills sets for Network and system please confirm		Tender is self-explanatory
455	3i Infotech	ChapterV	34	Escalation and Notifications: The SI ensures that all the stakeholders are notified in timely manner on the status of event/ticket. SI Service Desk system notifies users during following events: · Logging of ticket. · Status change of ticket. · Support engineers initiated notifications.	Does bidder has to provide the dedicated service desk system here .		Tender is self-explanatory
456	3i Infotech				If Yes , Does It required the on premises tool or cloud based platform .		Tender is self-explanatory
457	3i Infotech	Chapter V	36	Resume Format	Number of CV's EDCIL- NSU expecting under this clause , does bidder has to share the resume while submitting the response document or will it be required		Can be submitted during commencement of the project

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					during commencement of the project.		
458	3i Infotech	Chapter VI .6.2.3	38	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 in the Data centre / DR environment before 5 years but will be continued during last five years.		No Change
459	3i Infotech	Chapter VI .3	41	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	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 .		As per corrigendum-1
460	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 up gradation of students under central or state Government initiatives.		As per corrigendum-1
461	WEBEL	5.21	30	Service Centre Setup -	We would request you to drop this clause	After delivery and installation, onsite support	No Change

S.No.	Organisation	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks/Suggested Changes	Response
				<p>I. The selected Bidder should have a service centre in Andhra Pradesh for the maintenance and warranty of all equipment supplied under this RFP.</p> <p>II. In case a bidder has no presence in Andhra Pradesh, he/she shall establish the same within 4 weeks from the date of award of contract, failing which the Work Order/Contract will be terminated. The responsibility of providing satisfactory services solely remains with the selected bidder.</p>		<p>and service is the responsibility of OEM. Bidder's manpower will work in the Network who will help in identifying the problem, call login etc. However, service will be provided by OEM directly. So, opening office will not add any extra difference. Bidder is liable to fulfill the SLA as well.</p>	
462	WEBEL	6.2	41	<p>Marking Matrix -</p> <p>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.</p> <p>>=100 Engineers and <150 = 5 Marks</p>	We would request you to drop this clause	<p>This clause is restricting Govt. Bidders/PSUs to bid. Now days no Govt. organisations have 100 Engineers on their pay roll. Most of the Projects are being offloaded.</p>	No Change

S.No.	Organisation	Chapter No.	Page No.	Clause as per RFP	Clarification Sought	Remarks/Suggested Changes	Response
				>=150 and <200 = 10 Marks >200 Engineers = 15 Marks			
463	WEBEL	6.2	43	Technical presentation: The Technical Presentation will be held at NSU, Tirupati Campus and Bidder will have to make all the arrangements to attend the same according to the notified date and time at their own.	We would request you to do the presentation in online mode	Considering the Covid-19 pandemic situation as well as due to travel related restrictions. With this clause, bidders from Andhra Pradesh will get advantage.	No Change
464	WEBEL	NIL	6	Last Date and Time for receipts of Bids: 12.10.2021 up to 13:00 Hrs. In case a Holiday is declared on the day of the event, the same will be held on the next working day at the same time & venue.	We would request you to extend the Tender till 12.11.2021	Considering Dura Puja, Lakshmi Puja and Diwali Oct and Nov (till 1 st week this year) is holiday season. This may not be applicable in Southern Part of India but in North and East India, in these period we observe holidays.	As per corrigendum-1