Malaviya National Institute of Technology, Jaipur

F5(1306)ST/MNIT/DIS/2024 PreBid queries Dated 27/02/2025

S. No	PSU	Existing Clause	Amendment Requested	Reply By MNIT
1	becil	If the bidder proposes the devices from an OEM, (i) that can't connect-to/interoperate-with the existing switches in our campus Network, and/or (ii) the available transceiver modules of existing cannot be utilized, then the bidder must supply the replacement of existing inventory at no extra cost.	It is requested to kindly provide the BOQ of the existing items with Make and model.	Make: Juniper Model: EX3400-48T (32 nos) Model: EX3400-24T (70 nos)
		1. After supply of all passive items (S.No. 20 to 53 and 53 and 57 of BOQ) : 15%	1. After supply of all passive items (S.No. 20 to 53 and 53 and 57 of BOQ) : 20%	No Change
		2.After supply of all active items (S.No. 1 to 19 of BOQ) : 35%	2.After supply of all active items (S.No. 1 to 19 of BOQ) : 50%	No Change
		3.After successful completion of work: 50%	3.After successful completion of work: 30%	No Change
		The contractor shall submit an irrevocable Performance Security/ Guarantee of 10% of the tendered amount in addition to other deposits mentioned elsewhere in the contract, if any, for his proper performance of the contract agreement, (notwithstanding and/or without prejudice to any other provisions in the contract) withing period of 15 days, from the date of issue of letter of	As per the OM No.F.1/2/2023-PPD dated 01.01.2024, the irrevocable Performance/ Guarantee should be 3-5%	No Change

		acceptance. In case a fixed deposit receipt of any bank is funished by the contractor to the institute as part of the Performance Security/ Guarantee and the bank is unable to make payment against the said fixed deposit receipt, the loss caused thereby shall fall on the contractor and the contractor shall forthwith on demand furnish additional security to the Institute to make good the deficit.		
2	EDCIL	The proposed distribution switch should have at least two front-to-back airflow fan units/modules.	Hardware designs are different for different ardwares, Some hardware are designed for front to back and some designed for back to front airflows as per their internal PCB design. It does not make any impact of performance. However, keeping one way air flow may challenge the wide spread participation. Hence request you to please allow both side airflow or Request you to please remove this clause in order to attract wide spread participation.	The proposed distribution switch should have at least two front-to-back or back-to-front airflow fan units/modules.
		The proposed core switch should support a minimum of 250K MAC addresses.	This figure of 250,000 shall directly depict total active connections at any point of time. As per our best possible technical knowledge this much headcount (250,000) will not be connected at same time in any NIT; no matter how much heavy rush is there. Hence request you to please change this to "The proposed core switch should support a minimum of 80K MAC addresses or better." in order to attract wide spread participation.	No Change
		The proposed core switch should support a minimum of 40K IPV4 and 40K IPV6 multicast routes.	As per our best possible technical knowledge this much IPv4 and IPv6 Routes (40,000) will not be connected at same time in any NIT; no matter how much heavy rush is there, Hence request you to please change this to "The proposed core switch should support a minimum of 32K IPV4 and 32K IPV6 multicast routes."	No Change
		The proposed distribution switch should have a minimum of 8 nos of 100G (QSFP28)/40G (QSFP+) ports populated with 2X100G QSFP28 SM LR transceivers of the same OEM.	As per RFP requirement only 2 connected ports are required, if we have 2 ports as per future expansion then again only 4 ports are required. Hence request you to please change this to " The proposed distribution switch should have a minimum of 4 nos of 100G (QSFP28)/40G (QSFP+) ports populated with 2X100G QSFP28 SM LR transceivers of the same OEM."	No Change

		The proposed distribution switch should have at least 56 Ports (48 SFP+ ports and 4 QSFP28 ports).	As per RFP design only 2 Connected ports are required. Moreover, as per calculation also 48+4 shall sum upto 52 Ports only; Nowhere, calculation also reaches 56 ports. Hence request you to please change this to " The proposed distribution switch should have at least 52 Ports (48 SFP+ ports and 4 QSFP28 ports)."	No Change
		The proposed distribution switch should have a minimum of 4 Tbps switching bandwidth/ capacity.	This figure of 4 Tbps can not be summed only with the calculation of pre-requisite figures of 2 connected ports, which has been mentioned in the tender itself. (48 * 25*2 = 2400 + 800 Gbps for UL pots comes together will be 3200 Gbps) .	No change
		The proposed distribution switch should have a minimum of 2 Bpps forwarding rate/ throughput.	Required figures are not as per IEEE standard as per IEEE the formula is ((Gbps/2)*1.48). Hence request you to please change this to "The proposed distribution switch should have a minimum of 1 Bpps forwarding rate/ throughput. "	The proposed distribution switch should have a minimum of 1 Bpps forwarding rate/ throughput.
		The proposed distribution switch should have a minimum of 200K MAC address support.	This figure of 200,000 shall directly depict total active connections at any point of time. As per our best possible technical knowledge this much headcount (200,000) will not be connected at same time in any NIT; no matter how much heavy rush is there. Hence request you to please change this to "The proposed core switch should support a minimum of 80K MAC addresses or better." in order to attract wide spread participation.	No Change
		The proposed access switch should support a minimum of 8K IPv4 and 8K IPv6 routes.	As per our best possible technical knowledge this much IPv4 and IPv6 Routes (8,000) will not be connected at same time in any NIT; no matter how much heavy rush is there, Hence request you to please change this to "The proposed access switch should support a minimum of 3K IPv4 and 1K IPv6 routes..."	No Change
		The proposed access switch should support multicast routes with a minimum of 2K for IPV4 and 2K for IPV6.	As per our best possible technical knowledge this much IPv4 and IPv6 Multicast Routes (2,000) will not be connected at same time in any NIT; no matter how much heavy rush is there, Hence request you to please change this to " The proposed access switch should support multicast routes with a minimum of 1K for IPV4 and 1K for IPV6. ."	No Change

		The proposed access switch should have a minimum of 32K MAC address support.	This figure of 32,000 shall directly depict total active connections (at Access Layer) at any point of time. As per our best possible technical knowledge this much headcount (32,000) will not be connected at same time in any NIT; no matter how much heavy rush is there. Hence request you to please change this to "The proposed access switch should have a minimum of 16K MAC address support.." in order to attract wide spread participation. Moreover 16000 MAC is standard practise for access layer.	No Change
		The proposed access switch should support a minimum of 8K IPv4 and 8K IPv6 routes.	As per our best possible technical knowledge this much IPv4 and IPv6 Routes (8,000) will not be connected at same time in any NIT; no matter how much heavy rush is there, Hence request you to please change this to "The proposed access switch should support a minimum of 3K IPv4 and 1K IPv6 routes..."	No Change
		The proposed access switch should support multicast routes with a minimum of 2K for IPV4 and 2K for IPV6.	As per our best possible technical knowledge this much IPv4 and IPv6 Multicast Routes (2,000) will not be connected at same time in any NIT; no matter how much heavy rush is there, Hence request you to please change this to " The proposed access switch should support multicast routes with a minimum of 1K for IPV4 and 1K for IPV6. ."	No Change
		The proposed access switch should have a minimum of 32K MAC address support.	This figure of 32,000 shall directly depict total active connections (at Access Layer) at any point of time. As per our best possible technical knowledge this much headcount (32,000) will not be connected at same time in any NIT; no matter how much heavy rush is there. Hence request you to please change this to "The proposed access switch should have a minimum of 16K MAC address support.." in order to attract wide spread participation. Moreover 16000 MAC is standard practise for access layer.	No Change
		The proposed POE switch should have a minimum of 505 Mpps forwarding rate/ throughput excluding stacking bandwidth..	Required figures are not as per IEEE standard as per IEEE the formula is ((Gbps/2)*1.48), where 1.48 is the standard multiplication factor. Therefore herein it will sum upto =176+160=227mpps. Hence request you to please change this to "The proposed POE switch should have a minimum of 227 Mpps forwarding rate/ throughput excluding stacking bandwidth.."	No Change

		The proposed POE switch should have a minimum of 64K MAC address support.	This figure of 64,000 shall directly depict total active connections (at Access Layer) at any point of time. As per our best possible technical knowledge this much headcount (64,000) will not be connected at same time in any NIT; no matter how much heavy rush is there. Hence request you to please change this to . " The proposed access switch should have a minimum of 32K MAC address support. . ." in order to attract wide spread participation	No Change
		The proposed access switch should support a minimum of 8K IPv4 and 8K IPv6 routes.	As per our best possible technical knowledge this much IPv4 and IPv6 Routes (8,000) will not be connected at same time in any NIT; no matter how much heavy rush is there, Hence request you to please change this to "The proposed access switch should support a minimum of 3K IPv4 and 1K IPv6 routes..."	No Change
		The proposed access switch should support multicast routes with a minimum of 2K for IPV4 and 2K for IPV6.	As per our best possible technical knowledge this much IPv4 and IPv6 Multicast Routes (2,000) will not be connected at same time in any NIT; no matter how much heavy rush is there, Hence request you to please change this to " The proposed access switch should support multicast routes with a minimum of 1K for IPV4 and 1K for IPV6. ."	No Change
		The proposed access switch should have a minimum of 32K MAC address support.	This figure of 32,000 shall directly depict total active connections (at Access Layer) at any point of time. As per our best possible technical knowledge this much headcount (32,000) will not be connected at same time in any NIT; no matter how much heavy rush is there. Hence request you to please change this to "The proposed access switch should have a minimum of 16K MAC address support.." in order to attract wide spread participation.	No Change
		The proposed on-premise wireless controller should have 10Gbps of throughput dedicated hardware appliance, purpose-built for Wi-Fi control and management.	The switches and APs are quit substantial in size. However, the controller that is required to control these many APs is not as per sizinng of AP and Campus load, Hence request you to please change this to "The proposed on-premise wireless controller should have 40Gbps of throughput dedicated hardware appliance, purpose-built for Wi-Fi control and management."	No Change
		The proposed access point should have at least one 100/1000/2500 Mbps RJ-45-based Ethernet PoE port. The proposed access point should have at least one 100/1000 Mbps RJ-45-based ethernet port.	In RFP two ports are required in this particular Access Point (Mentioned on above point page no 62 (The proposed access point should have at least one 100/1000/2500 Mbps RJ-45-based Ethernet PoE port.)). As per recommended design guidelines, it is very hard to connect two ports	No Change

			at same Access Point as this requires double passive/cabling cost also consume two ports at Switch layer without any added advantage to institute, Hence request you to please remove this.	
		The proposed access point should have at least a 2 dBi antenna gain for both radios.	2dBi antenna gain for 8x8:8 AP is very very low and we have already asked higher gain at smaller Access Points, Hence request you to please change this to "The proposed access point should have at least a 4 dBi antenna gain for both radios."	No Change
		The proposed access point should have at least one 100/1000/2500/5000 Mbps RJ-45-based Ethernet PoE port. The proposed access point should have at least one 100/1000 Mbps RJ-45-based ethernet port.	To the best of our understanding, two ports are required in this particular Access Point. As per recommended design guidelines, it is very hard to connect two ports at same Access Point as this requires double passive/cabling cost also consume two ports at Switch layer without any added advantage to institute, Hence request you to please remove this.	No Change
		The proposed router should support 4 x 40 G/100 G ports for future upgradation.	To the best of our understanding; current MNIT is running on not more than 10G lines. Let us take into consideration that the future expansion is ther in scope then also it shall be 10G X (number of extra lines,Let us say 4)= 40 G or let us assume 2 additional lines of 40 G, which will maximum sum upto 2 X 40. Eventually nowhere, it will exceed 80 G. Therefore, the requirement mentioned seems to be quite over sized without any design or expansion need. Hence request you to please remove this or change this to " The proposed router should support 2 x 40 G ports for future upgradation."	No Change
		The proposed router should have a minimum of 180 Gbps system throughput.	As per the port required 4x10G the throughput will come to 4x40*2= 80Gbps only Hence request you to please change this to " the proposed router should have a minimum of 80 Gbps system throughput."	No Change
		The proposed router should have a minimum of 64K multicast routes.	As per our best possible technical knowledge this much of multicast route at router level will not be required at any point of time in any NIT; no matter how much heavy rush is there " The proposed router should have a minimum of 32000 multicast routes. "	No Change

		The proposed LLB should not be a part of the router or UTM.	we understand all asked features in LLB should be part of same OEM, same OS and deliver through single GUI in a appliance.	No Change
		The proposed LLB should have a 1RU/2RU form factor for a 19”-inch rack-mountable.	All the solutions are 1U form factor. Kindly allow 1U appliances to be proposed to save Space in DC. Kindly modify clause as" 9. The proposed LLB should have a 1RU form factor for a 19”-inch rack-mountable."	No Change
		The proposed LLB should be capable of handling complete DNS bind records, including A and AAAA.	DNS record types are missing for Link load balancer. Please add DNS record types for complete LLB solution. Kindly modify clause as" 22. The proposed LLB should be capable of handling complete DNS bind records, including A and AAAA, CNAME, DNAME, HINFO, KEY, MX, NS, NXT, PTR, SIG, SOA, SRV, TXR etc."	No Change
		The proposed LLB should be certified by any accredited lab endorsed by Government of India i.e. TEC/TSEC,SQTC, BIS, EAL 2 NDcPP, ICSA Labs, IC3S.	EAL2, NDcPP and IC3S all are common creteria certificates. Kindly allow EAL2/NDcPP/IC3S for OEM's to comply. As far as we know, Also Wikipedia mentions it: https://en.wikipedia.org/wiki/International_Computer_Security_Association “ICSA Labs ceased operation in 2022, following closure by its parent company Verizon” Also their website is down: https://www.icsalabs.com/	No Change
		The proposed security solution must have 2 TB or more of usable space for logging (SSD drive in RAID).	The proposed security solution must have 1 TB or more of usable space for logging (SSD drive in RAID).	No Change
		The performance should be in the real world/ production environment (enabling and measuring with application ID/ AVC, user-ID/ Agent-ID, and application traffic mixes such as HTTPS, SMTP, and other protocols) logging enabled.	The performance should be measuring with application ID/ AVC, utilizing 64 KB HTTP/Appmix transactions with logging enabled.	No Change
3	CEL INDIA	The proposed access point should have a 1 X 10/100/1000/2500 Mbps RJ-45 POE port	The tender specifications require a throughput of 1.7 Gbps, which can be effectively handled using a 10/100/1000 Mbps RJ-45 PoE port, considering that wireless throughput operates in half-duplex mode. Additionally, for outdoor deployments, it is always recommended to have a secondary optical port, as it facilitates connectivity for access points installed at distances of 100 meters or more from the access switch. In view of this, we request an amendment to the clause	The proposed access point should have a 1 X 10/100/1000 Mbps RJ-45 POE port

			as follows: Revised Clause: The proposed access point should have 1 x 10/100/1000 Mbps RJ-45 PoE port and 1 x 100/1000/2500 Base-X Optical SFP port.	
		The proposed access point should have dual-polarized antennas, which should be integrated inside the access point enclosure to minimize damage and create a low-profile unit that does not stand out visually	Request to amend clause as: The current design specification is available with only a limited number of foreign OEMs, making it restrictive for domestic Wi-Fi manufacturers. Furthermore, this is not a standard requirement in similar tenders issued by central government educational institutions such as IITs, IIMs, and NITs. Additionally, for outdoor deployments, the option to use either integrated or external dual-polarized antennas should be permitted, as external antennas are generally preferred for better coverage and flexibility in outdoor environments. Request: Kindly allow the option to have either integrated or external dual-polarized antennas for outdoor access points.	We have observed physical breakage of the external antenna due to various factors like students' cricket/ tennis balls, monkeys and birds.
4	ITI LTD	1. Supply & Installation - b. All the active components must be certified by any accredited lab endorsed by Government of India i.e. TEC/TSEC, SQTC, BIS, EAL2, NDcPP, ICSA Labs, IC3S.	It is important for any active equipment to be installed in India in any of the Govt. project - it must have MTCTE - certified equipment. So, it should be mandatory for any active equipment proposed - must have TEC - MTCTE certification mandatorily. Also the euipment must have valid BIS or IS equivalent standards compliance. Request kindly amend the clause as - "All the active components must be certified by any accredited lab endorsed by Government of India i.e. TEC/TSEC or SQTC or BIS or EAL2 or NDcPP or ICSA Labs or IC3S as applicable."	No Change

		1. Supply & Installation - c. All traditional LAN components (Core Switch, Distribution Switch, Access Switch, and PoE switch) are from one OEM only and the OS for core and distribution switch must be same.	To have common and consistent command line interface across the network elements - it is important to have same OS across all the network devices. Request you to kindly amend the clause as - "All traditional LAN components (Core Switch, Distribution Switch, Access Switch, and PoE switch) are from one OEM only and the OS for core, distribution and access switches must be same."	No Change
		1. Supply & Installation -m & n m. The proposed solution should work with the existing inventory of the following devices- i.e., (i) 32 Nos of EX3400- 48T, (ii) 70 Nos of EX3400-24T Switches. (These devices have already been populated with 408 Nos of EX-SFP-10GE-LR transceivers.) n. If the bidder proposes the devices from an OEM, (i) that can't connect-to/interoperate-with the existing switches in our campus Network, and/or (ii) the available transceiver modules of existing switches cannot be utilized, then the bidder must supply the replacement of existing inventory at no extra cost.	It is possible to connect existing Juniper switches with having juniper transceivers on one side and integrating to other OEM switch on open protocols (L2/L3) with non-juniper swtiches having its own transceivers on the other side. However, if you want to use Juniper transceivers in non-Juniper switches - It is important for you to take confirmation of existing transceivers to be MSA compliant so that they can inter-operate with other OEM switches. Else, request you to remove the clause "n" which favors single OEM and restrict other OEMs to participate in this RFP.	Existing Juniper switches having juniper transceivers on one side should integrate with other OEM switches on open protocols (L2/L3) having their own transceivers on the other side.
		5. Core Switch Security - clause 6 - The proposed core switch /switch's operating system should be certified by any accredited lab endorsed by Government of India i.e. TEC/TSEC, SQTC, BIS, EAL 2 NDcPP, ICSA Labs, IC3S.	It is important for any active equipment to be installed in India in any of the Govt. project - it must have MTCTE - certified equipment. So, it should be mandatory for any active equipment proposed - must have TEC - MTCTE certification mandatorily. Also the euipment must have valid BIS or IS equivalent standards compliance. Request kindly amend the clause as - "All the active components must be certified by any accredited lab endorsed by	No Change

			Government of India i.e. TEC/TSEC or SQTC or BIS or EAL2 or NDcPP or ICSA Labs or IC3S as applicable."	
		6. Distribution Switch Performance and Scalability - clause 2 The proposed distribution switch should have a minimum of 2 Bpps forwarding rate/ throughput.	The existing clause restricts many leading OEMs in the industry to participate, kindly amend as the clause as - "The proposed distribution switch should have a minimum of 1 Bpps forwarding rate/ throughput."	The proposed distribution switch should have a minimum of 1 Bpps forwarding rate/ throughput.
		6. Distribution Switch Industry Standard - clause 10 - The proposed distribution switch /switch's operating system should be certified by any accredited lab endorsed by Government of India i.e. TEC/TSEC, SQTC, BIS, EAL 2 NDcPP, ICSA Labs, IC3S.	It is important for any active equipment to be installed in India in any of the Govt. project - it must have MTCTE - certified equipment. So, it should be mandatory for any active equipment proposed - must have TEC - MTCTE certification mandatorily. Also the euipment must have valid BIS or IS equivalent standards compliance. Request kindly amend the clause as - "All the active components must be certified by any accredited lab endorsed by Government of India i.e. TEC/TSEC or SQTC or BIS or EAL2 or NDcPP or ICSA Labs or IC3S as applicable."	No Change
		7, Access Switch Type 1 Performance and Scalability - Clause 3, 4 3. The proposed access switch should have a minimum of 2GB flash memory. 4. The proposed access switch should have a minimum of 2GB DRAM.	Memory resource management is specific to OEMs internal system hardware architecture and design, Switches can work optimally without degrading the switching performance in much lesser memory as well. This clause restricts leading OEMs to participate with their competitive products to provide best of the solution required. Kindly amend the clause as - "3. The proposed access switch should have a minimum of 1GB flash memory. 4. The proposed access switch should have a minimum of 1GB DRAM."	Many OEM have same configuration switches.

		7. Access Switch Type 1 Industry Standard - clause 10 - The proposed distribution switch /switch's operating system should be certified by any accredited lab endorsed by Government of India i.e. TEC/TSEC, SQTC, BIS, EAL 2 NDcPP, ICSA Labs, IC3S.	It is important for any active equipment to be installed in India in any of the Govt. project - it must have MTCTE - certified equipment. So, it should be mandatory for any active equipment proposed - must have TEC - MTCTE certification mandatorily. Also the euipment must have valid BIS or IS equivalent standards compliance. Request kindly amend the clause as - "All the active components must be certified by any accredited lab endorsed by Government of India i.e. TEC/TSEC or SQTC or BIS or EAL2 or NDcPP or ICSA Labs or IC3S as applicable."	No Change
		7. Access Switch Type 1 Basic Layer 3 protocol - clause 2. The proposed access switch should support a minimum of 8K IPv4 and 8K IPv6 routes.	The requirement of Access switch with 8000 IPv4/v6 routes is partically not achievable with static routing, even with Dynamic routing protocols, none of the access siwthces will be able to have such a huge routing table. this also restricts wider participation. Please amend the clause as "The proposed access switch should support a minimum of 8K IPv4 and 6K IPv6 routes."	No Change
		8, Access Switch Type 2 Performance and Scalability - Clause 3, 4 3. The proposed access switch should have a minimum of 2GB flash memory. 4. The proposed access switch should have a minimum of 2GB DRAM.	Memory resource management is specific to OEMs internal system hardware architecture and design, Switches can work optimally without degrading the switching performance in much lesser memory as well. This clause restricts leading OEMs to participate with their competitive products to provide best of the solution required. Kindly amend the clause as - "3. The proposed access switch should have a minimum of 1GB flash memory. 4. The proposed access switch should have a minimum of 1GB DRAM."	Many OEM have same configuration switches.
		8. Access Switch Type 2 Industry Standard - clause 10 - The proposed distribution switch /switch's operating system should be certified by any accredited lab endorsed by Government of India i.e. TEC/TSEC, SQTC, BIS, EAL 2 NDcPP, ICSA Labs, IC3S.	It is important for any active equipment to be installed in India in any of the Govt. project - it must have MTCTE - certified equipment. So, it should be mandatory for any active equipment proposed - must have TEC - MTCTE certification mandatorily. Also the euipment must have valid BIS or IS equivalent standards compliance. Request kindly amend the clause as - "All the active components must be certified by any accredited lab endorsed by Government of India i.e. TEC/TSEC or SQTC or BIS or EAL2 or NDcPP or ICSA Labs or IC3S as applicable."	No Change

		8. Access Switch Type 2 Basic Layer 3 protocol - clause 2. The proposed access switch should support a minimum of 8K IPv4 and 8K IPv6 routes.	The requirement of Access switch with 8000 IPv4/v6 routes is partically not achievable with static routing, even with Dynamic routing protocols, none of the access siwthces will be able to have such a huge routing table. this also restricts wider participation. Please amend the clause as "The proposed access switch should support a minimum of 8K IPv4 and 6K IPv6 routes."	No Change
		9. Access Switch Type 3 Performance and Scalability - Clause 3, 4 3. The proposed access switch should have a minimum of 8GB flash memory. 4. The proposed access switch should have a minimum of 4GB DRAM.	Memory resource management is specific to OEMs internal system hardware architecture and design, Switches can work optimally without degrading the switching performance in much lesser memory as well. This clause restricts leading OEMs to participate with their competitive products to provide best of the solution required. Kindly amend the clause as - "3. The proposed access switch should have a minimum of 2GB flash memory. 4. The proposed access switch should have a minimum of 2GB DRAM."	Many OEM have same configuration switches.
		9. Access Switch Type 3 Industry Standard - clause 10 - The proposed distribution switch /switch's operating system should be certified by any accredited lab endorsed by Government of India i.e. TEC/TSEC, SQTC, BIS, EAL 2 NDcPP, ICSA Labs, IC3S.	It is important for any active equipment to be installed in India in any of the Govt. project - it must have MTCTE - certified equipment. So, it should be mandatory for any active equipment proposed - must have TEC - MTCTE certification mandatorily. Also the euipment must have valid BIS or IS equivalent standards compliance. Request kindly amend the clause as - "All the active components must be certified by any accredited lab endorsed by Government of India i.e. TEC/TSEC or SQTC or BIS or EAL2 or NDcPP or ICSA Labs or IC3S as applicable."	No Change
		10, Access Switch Type 4 Performance and Scalability - Clause 3, 4 3. The proposed access switch should have a minimum of 2GB flash memory. 4. The proposed access switch should have a minimum of 2GB DRAM.	Memory resource management is specific to OEMs internal system hardware architecture and design, Switches can work optimally without degrading the switching performance in much lesser memory as well. This clause restricts leading OEMs to participate with their competitive products to provide best of the solution required. Kindly amend the clause as - "3. The proposed access switch should have a minimum of 1GB flash memory. 4. The proposed access switch should have a minimum of 1GB DRAM."	Many OEM have same configuration switches.

		10. Access Switch Type 4 Industry Standard - clause 10 - The proposed distribution switch /switch's operating system should be certified by any accredited lab endorsed by Government of India i.e. TEC/TSEC, SQTC, BIS, EAL 2 NDcPP, ICSA Labs, IC3S.	It is important for any active equipment to be installed in India in any of the Govt. project - it must have MTCTE - certified equipment. So, it should be mandatory for any active equipment proposed - must have TEC - MTCTE certification mandatorily. Also the euipment must have valid BIS or IS equivalent standards compliance. Request kindly amend the clause as - "All the active components must be certified by any accredited lab endorsed by Government of India i.e. TEC/TSEC or SQTC or BIS or EAL2 or NDcPP or ICSA Labs or IC3S as applicable."	No Change.
		10. Access Switch Type 4 Basic Layer 3 protocol - clause 2. The proposed access switch should support a minimum of 8K IPv4 and 8K IPv6 routes.	The requirement of Access switch with 8000 IPv4/v6 routes is partically not achievable with static routing, even with Dynamic routing protocols, none of the access siwthces will be able to have such a huge routing table. this also restricts wider participation. Please amend the clause as "The proposed access switch should support a minimum of 8K IPv4 and 6K IPv6 routes."	No Change
		12, Access point type 1 Radio Specification - Clause 1 - The proposed access point should be a dual-band, dual-radio indoor access point. The minimum data rate supported shall be 2400 Mbps in 5 GHz and 570 Mbps in 2.4 GHz.	The network you are building today in 2025, must be future ready with supporting 6Ghz radio band, which can provide must faster performance. You are already going ahead with required underline switching infrastructure with mGig ports, it is recommended to go with latest generation wireless devices to avoid getting outdated in much shorter time. Kindly amend the clause as- " The proposed access point should be a Tri-band, Tri-radio indoor access point. The minimum data rate supported shall be 4800 Mbps in 5 GHz, 4800Mbps on 6Ghz and 570 Mbps in 2.4 GHz."	No Change
		12, Access point type 1 Clause 5 - The proposed access point should support a minimum of 2.9 Gbps aggregate data rates.	To have best of performance which matches your switching infrastructure must be latest with best of the performance. kindly amend the clause as - "The proposed access point should support a minimum of 10 Gbps aggregate data rates."	No Change
		12, Access point type 1 Clause 4 - The proposed access point should have at least a 3 dBi antenna gain for 5GHz and 3 dBi for 2.4GHz radio	To provide better signal strength and coverage - Kindly amend the clause as - "The proposed access point should have at least a 6 dBi antenna gain for 5GHz and 4.2 dBi for 2.4GHz radio"	No Change

		13, Access point type 1 Networking requirement - Clause 4 - The proposed access point should be able to act as WIDs/WIPS.	in case AP doesn’t has dedicated sensor - for streaming data running on the AP data radios, the AP will not even go ofline to do off-channel sensing using data radios, thus failing the purpose of WIPS security capability. Kindly amend the clause as - The proposed access point should support to act as WIDs/WIPS with dedicated radio sensor".	No Change
		13, Access point type 2, Radio Specification - clause 2 - The proposed access point should have 8x8:8 MU-MIMO antennas for transmission in 5 GHz and 4X4:4 MUMIMO in 2.4 GHz.	The AP can have 2 separate radios of 5Ghz to provide 8x8 performance, the proposed AP supports tri-radio configuration which can be future ready with not only 6Ghz and WiFi7 but will also provide dual 5Ghz so as to achieve such high performance as equivalent to 8x8. Kindly amend the clause as - ""The proposed access point should have Dual Radio (2,4 and 5Ghz) supporting 8x8:8 MU-MIMO antennas for transmission in 5 GHz and 4X4:4 MU-MIMO in 2.4 GHz or Tri-radio supporting dual 5Ghz and additional 2.4Ghz radio to provide required 8x8 MU-MIMO on 5Ghz and 4x4 MU-MIMO streams in 2.4Ghz.""	No Change
		13, Access point type 2 Networking requirement - Clause 4 - The proposed access point should be able to act as WIDs/WIPS.	in case AP doesn’t has dedicated sensor - for streaming data running on the AP data radios, the AP will not even go ofline to do off-channel sensing using data radios, thus failing the purpose of WIPS security capability. Kindly amend the clause as - The proposed access point should support to act as WIDs/WIPS with dedicated radio sensor".	No Change
		14, Access Point Type 3 - clause 1 The proposed access point should be a dual-band, dual-radio outdoor. The minimum data rate supported shall be 1150 Mbps in 5 GHz and 570 Mbps in 2.4 GHz.	To provide better signal strength and coverage in the outdoor environment with higher user density- Kindly amend the clause as - "The proposed access point should be a Tri-band, tri-radio outdoor. The minimum data rate supported shall be 4800 Mbps in 5 and 6 GHz and 570 Mbps in 2.4 GHz.	No Change
		15, Access Point Type 4 - The proposed access point should be a dual-band, dual-radio indoor access point. The minimum data rate supported shall be 1200 Mbps in 5 GHz and 570 Mbps in 2.4 GHz.	kindly amend the clause as - The proposed access point should be a dual/tri-band, dual-radio indoor access point support 2.4/5/6Ghz radio bands. The minimum data rate supported shall be 1200 Mbps in 5 and 6 GHz and 570 Mbps in 2.4 GHz.	No Change

		The proposed access point should have a 1 X 10/100/1000/2500 Mbps RJ-45 POE port	Revised Clause: "The proposed access point should have 1 x 10/100/1000 Mbps RJ-45 PoE port and 1 x 100/1000/2500 Base-X Optical SFP port."	The proposed access point should have a 1 X 10/100/1000 Mbps RJ-45 POE port
		The proposed access point should have dual-polarized antennas, which should be integrated inside the access point enclosure to minimize damage and create a low-profile unit that does not stand out visually	Kindly allow the option to have either integrated or external dual-polarized antennas for outdoor access points.	We have observed physical breakage of the external antenna due to various factors like students' cricket/ tennis balls, monkeys and birds.
5	RailTel Corporation of India Limited	The Contractor whose tender is accepted will be required to furnish Performance Security/ guarantee of 10% (Ten Percent) of the tendered amount within specified period e.g. within 15 days of award of contract.	We suggest to keep the Performance Bank Gurantee as 5% as it is standard PBG term everywhere	No Change
		Performance Security/ Guarantee: The contractor shall submit an irrevocable Performance Security/ Guarantee of 10% (Ten Percent) of the tendered amount in addition to other deposits mentioned elsewhere in the contract		No Change

		Payment Terms: The Bills in triplicate may be sent to this office for settlement after satisfactory supply/delivery/ installation/ commissioning of the material. The bill should have full particulars of the items. No Payment shall be made in advance nor shall the loan from any financial institutions be recommended based on the order of award of work. The CGO/CPSU/CPSE shall submit the bills only after the supply/delivery/ installation/ commissioning of the material to the satisfaction of MNIT Jaipur. The case of issuing sanction and passing of the bill for payment will be initiated on receipt of a pre- receipt invoice from the Contractor. No payment will be made for goods rejected. The payments would be released as per the following schedule. After supply of all passive items (S. No. 20. to 53 and 57 of BOQ): 15% After supply of all active items (S. No. 1 to 19 of BOQ): 35% After successful completion of work: 50%	Payment Terms: The Bills in triplicate may be sent to this office for settlement after satisfactory supply/ delivery/ installation/ commissioning of the material. The bill should have full particulars of the items. The CGO/CPSU/CPSE shall submit the bills only after the supply/delivery/ installation/ commissioning of the material to the satisfaction of MNIT Jaipur. The case of issuing sanction and passing of the bill for payment will be initiated on receipt of a pre- receipt invoice from the Contractor. No payment will be made for goods rejected. The payments would be released as per the following schedule. Mobilisation fund with work order: 10% After supply of all passive items (S. No. 20. to 53 and 57 of BOQ): 20% After supply of all active items (S. No. 1 to 19 of BOQ): 50% After successful completion of installation: 20%	No Change
		All fiber components (Fiber cable, fiber patch cord, LIU, splitter home termination box, and joint closure) are from one OEM only	Request to Change, All networking passive material (Fiber cable, fiber patch cord, LIU, splitter home termination box, and joint closure and Copper components (UTP cables, connectors, jack panel information outlet, and pat) shall be from one OEM only and the OEM should be member of TIA having manufacturing plant in India for more than 5 years Justification:- Complete Passive Fiber networking Infrastructure should be from the same OEM for better compatibility and end-to-end 25-year performance warranty.	No Change

		All copper components (UTP cables, connectors, jack panel information outlet, and patch cords) are from one OEM only	Same as above	No Change
		Architecture Point No.1 The proposed security solution should be based on multi-core CPUs to protect & scale against the latest dynamic security threats	Request to add:-There should not be any proprietary ASIC based solution,Since vendors in market also provide ASIC based solution which have architectural limitations, it is suggested to add this clause.	No Change
		Architecture Point No.2 The proposed security solution architecture must enable complete, contextual traffic classification, followed by a rich set of enforcement and threat prevention options	Request to add:-The Proposed Firewall solution architecture should have Control Plane separated from the Data Plane in the Device architecture itself, whereby Control Plane should handle Management functions like configuration, reporting and route update & Data Plane should handle Signature matching (like exploits, virus, spyware, CC#), Security processing (like apps, users, content/URL, policy match, SSL decryption, app decoding etc) & Network Processing (like flow control, route lookup, MAC lookup, QoS, NAT etc),In the event of data plane overload, MNIT NOC team should be able to access the management of appliance without any challenge. Otherwise in case of singular plane architecture, the entire setup will go down.	No Change
		Architecture Point No.3-The proposed security solution must have 2 TB or more of usable space for logging (SSD drive in RAID)	Request to amend:- The proposed security solution must have 480 GB or more of usable space for logging (SSD drive in RAID) Please amend this requirement as it is OEM dependent. Every OEM caters to different setup of storage. Alternatively, MNIT NOC team can forward logs to their syslog if available; or ask for a logging solution.	An external logging solution is also acceptable
		Architecture Point No.6 The proposed security solution should support 5 Gbps Minimum VPN throughput	Request to change:-The proposed security solution should support 20 Gbps Minimum VPN throughput,For this size of appliance, higher VPN throughputs are suggested. Also tied up with below request.	No Change
		Architecture	Request to amend:-1 The proposed security solution must support at least 10,000 SSL VPN users from day 1 for Windows and MAC OS,Please consider that for SSL VPN users, Windows or MAC	No Change

		Point No.7 The proposed security solution must support at least 100 SSL VPN users from day 1	OS based packages are available from Day 1.MNIT to consider locakdown situation/Work from home situation.	
		Architecture Point No.16 The proposed security solution should have a sandboxing capability	Request you to add:-Sandboxing infrastructure should be hosted in India or else on-premises sandboxing solution need to be provided by the same OEM with capacity of atleast 26 parallel VMs along with the required licensing, support and warranty to match periods of firewall,OEM should provide legal approved document or documentary proof that sandbox infrastructure is hosted in India to comply with India laws and regulations.	No Change
		Additonal Point The proposed monitoring solution should be able to monitor network traffic by capturing flow data from network devices, including Cisco Netflow v5 or v9, Juniper J-Flow, IPFIX, sFlow, NetStream data and also sampled Netflow data. Solution must be able to store ALL flows without any rollups or loss for retention period - for security and audit purposes	Please include these general points in the NMS/SDN specification to ensure a complete traffic analysis of the network with Enhanced Network Visibility, Efficient Traffic Analysis, Improved Security, Bandwidth Optimization etc.	No Change
		Additional Point Should identify which users, applications, protocols, countries, AS numbers, top routers, and top interfaces are consuming the most bandwidth		No Change
		Additional Point System should have capability to alternatively capture traffic data via packet capture.		No Change
		Additional Point Should be able to associate traffic coming from different sources to application names		No Change
		Additional Point Should be able to receive flows from non-SNMP-enabled devices, like VMware vSwitch		No Change

		Additional Point Should monitor Type of Service (ToS), Differentiated Services Codepoint (DSCP), and Per-Hop Behavior (PHB),BGP AS and NEXT HOP		No Change
		Additional Point Should provide flow analysis with 1-minute granularity and The solution should be able to monitor up to 5 million flows per second, and should employs advanced optimization methods		No Change
		Additional Point Solution should support advanced SSL/TLS analysis like detecting false certificates, expired, self signed		No Change
		Additional Point Solution should also feature signature based detection techniques and allow drilldown to packets from alerts		No Change
		Additional Point Solution should provide DDoS reports in real time within 1 minute after detection of attack with details of IP, Ports, ASN numbers, Router Interfaces, Customers facing the attacks		No Change
		Additional Point Solution should feature threat monitoring by comparing enterprise traffic against known IOC		No Change
		Point No 22 The proposed LLB should not be a part of the router or UTM	Please clarify that, All asked features in LLB should be part of same OEM, same OS and deliver through single GUI in a appliance	No Change
		Point No 22 The proposed LLB should be capable of handling complete DNS bind records, including A and AAAA	DNS record types are missing for Link load balancer. Please add DNS record types for complete LLB solution.	No Change

			Kindly modify clause as" 22. The proposed LLB should be capable of handling complete DNS bind records, including A and AAAA, CNAME, DNAME, HINFO, KEY, MX, NS, NXT, PTR, SIG, SOA, SRV, TXR etc."	
		Point No 28 The proposed LLB should be certified by any accredited lab endorsed by Government of India i.e. TEC/TSEC,SQTC, BIS, EAL 2 NDcPP, ICSA Labs, IC3S	Request to change, EAL2, NDcPP and IC3S all are common creteria certificates. Kindly allow EAL2/NDcPP/IC3S for OEM's to comply. As far as we know, ICSA Labs is out of business. Few OEM's might have older reports, but they likely won't be able to renew it. Also Wikipedia mentions it: https://en.wikipedia.org/wiki/International_Computer_Security_Association "ICSA Labs ceased operation in 2022, following closure by its parent company Verizon" Also their website is down: https://www.icsalabs.com	No Change.
		Additional Point	Request to add these clauses: The poposed Solution OEM should be present in global reports like Gartner, IDC, Forrester etc and reports should not be limited to INDIA market. The proposed solution should have online diagnostic tool, where administrator can take snapshot of configuration t o diagnose the DNS vulnerability and the OS related issue and tool should provide the recommended or necessary steps to patch those DNS vulnerability Should be able to define amount of memory for use of D NS caching, solution should have 1) Delegated DNS and 2) Proxy DNS Should be able to do on the fly DNSSEC - Can the product convert DNS requests to DNSSEC on the fly Appliance Should support virtualization with its own hypervisor (NOT any third party or open source) that virtualizes the Device resources—including CPU, memory, manage ment and configuration. The proposed device should have 18 Virtual Instances from Day 1. Appliance should not support any third-party application deployment in proposed hardware.	No Change

		Feature and scalability Point 1 The proposed router should have a minimum of 180 Gbps system throughput	Request to change, The proposed router should have a minimum of 880 Gbps system throughput as 4 X40/100G ports plus 4X10G ports are asked	No Change
		Feature and scalability Point 2 The proposed router should have a minimum of 64K multicast routes	Request to change, The proposed router should have a minimum of 128K multicast routes as 64K Multicast routes would be less comparing the Campus Magnanimity	No Change
		Dimension and Environmental The proposed router should be 8 U or fewer rack units in size (1 U height = 4.4cm)	Request to change,The Proposed Router should be 8U or less with minimum of 5 slots including at least 2 empty slots for future use." Better router can be proposed.	No Change
		Interface Point No.2 The proposed core switch should have at least 32 x 40/100G (QSFP+/QSFP28) ports populated with 20 SFP28 long-range transceivers and 12 X 100G SR transceivers of the same OEM with each switch	Request to change, The proposed core switch should have at least 32 x 40/100G (QSFP+/QSFP28) ports populated with 20 QSFP28(100G) long-range transceivers and 12 X 100G SR transceivers of the same OEM with each switch." More Clarity	Already updated in this revised tender
		Performance and Scalability Point No.6 The proposed distribution switch should support Fabric Management/SDN integration using open flow, OpenStack, or Rest API	Request to change, The proposed Core switch should support Fabric Management/SDN integration using open flow or OpenStack or Rest API." As each OEM has a different way of Integration.	Already updated in this revised tender
		Security Point No. 7 The proposed core switch should follow safety and EMC standards, including UL-UL60950, CAN/CSA 22.2 No.60950, EN 60950, IEC60950, FCC 47CFR Part 15, EN 55022, VCCI, CISPR 22 or 24, EN 55024, Reduction of Hazardous Substances (ROHS) 6, or equivalent Indian standards	Request to change, The proposed core switch should follow safety and EMC standards, including UL-60950, CAN/CSA 22.2 No.60950, EN 60950, IEC60950, FCC 47CFR Part 15, EN 55022, VCCI, CISPR 22 or 24, EN 55024 or better certificates will also work, and also, Reduction of Hazardous Substances (ROHS) 6, or equivalent Indian standards.	No Change.

		General Features Point No.4 The proposed distribution switch should have at least 56 Ports (48 SFP+ ports and 4 QSFP28 ports)	Request to change, The proposed distribution switch should have at least 56 Ports (48 SFP+ ports and 8 QSFP28 ports).	Already updated in this revised tender
		Performance and Scalability Point No.8 The proposed distribution switch should support Fabric Management/SDN integration using open flow, OpenStack, or Rest API	Request to change,The proposed distribution switch should support Fabric Management/SDN integration using open flow or OpenStack, or Rest API."	Already updated in this revised tender
		Industry Standards Point No.12 The proposed distribution switch should follow safety and EMC standards, including UL-UL60950, CAN/CSA 22.2 No.60950, EN 60950, IEC60950, FCC 47CFR Part 15, EN 55022, VCCI, CISPR 22 or 24, EN 55024, Reduction of Hazardous Substances (ROHS) 6, or equivalent Indian standards	Request to change, The proposed core switch should follow safety and EMC standards, including UL-60950, CAN/CSA 22.2 No.60950, EN 60950, IEC60950, FCC 47CFR Part 15, EN 55022, VCCI, CISPR 22 or 24, EN 55024 or better certificates will also work, and also, Reduction of Hazardous Substances (ROHS) 6, or equivalent Indian standards.	No Change
		Quality of Services Point No.2 The proposed core switch should support policy-based QoS based on VLAN, port, and MAC	Request to change,The proposed Core Switch should support Strict-priority queue (SPQ), shaped-deficit weighted round-robin (SDWRR), weighted random early detection (WRED), weighted tail drop, 802.1p remarking, Layer 2 classification criteria: Interface, MAC address, Etc	No Change
		Industry Standards Point No.11 The proposed POE switch should follow safety and EMC standards, including UL-UL60950, CAN/CSA 22.2 No.60950, EN 60950, IEC60950, FCC 47CFR Part 15, EN 55022, VCCI, CISPR 22 or 24, EN 55024, Reduction of Hazardous Substances (ROHS) 6, or better	Request to change, The proposed POE switch should follow safety and EMC standards, including UL60950, CAN/CSA 22.2 No.60950, IEC60950, FCC 47CFR Part 15, EN 55022, VCCI, CISPR 22 or 24, EN 55024, or better certificates will also work, and also, Reduction of Hazardous Substances (ROHS) 6, or equivalent Indian standards."	No Change

		Essential Features Point No.1:- The proposed wireless controller can be on-premise or cloud-based as well	Request to add this clause : The proposed wireless controller can be on-premise or cloud-based as well. If WLC is Cloud then it should be hosted in India & Owned by OEM only, this is very important for security and data privacy that WLC cloud should be hosted in India only .	The proposed wireless controller can be on-premise or cloud-based as well. If WLC is Cloud then it should be hosted in India only.
		Radio Specifications Point No.5 The proposed access point should support a minimum of 2.9 Gbps aggregate data rates	Request to add this clause : The proposed access point should support a minimum of 4.7 Gbps aggregate data rates, For Higher Performance & more concurrent user, Access Point should be supported more aggregated Bandwidth	No Change
		Radio Specifications Point No.7 The proposed access point should provide at least 18 dBm transmit power on both radios	Request to add this clause : The proposed access point should provide at least 22 dBm on all Radio Bands, For Better coverage & performance, AP should supported maximum TX Power as per regulatory norms	No Change
		Radio Specifications Point No.2 The proposed access point should have at least one 100/1000 Mbps RJ-45-based Ethernet PoE port	Request to change this clause : The proposed access point should have at least one 100/1000 Mbps RJ-45-based Ethernet port,Access Point , there is ask of POE for 2nd eth port as well which seems to be a typo error indoor AP's usually doesn’t come with POE out.	No Change
		Radio Specifications Point No.3 The proposed access point should have at least a 2 dBi antenna gain for both radios.	Request to add this clause : The proposed access point should have at least a 4 dBi antenna gain for each bands,For Better coverage & performance, AP should supported maximum Antenna Gain Which will reduce the overall AP count & solution will be optimize with better TCO .	No Change
		Radio Specifications Point No.6 The proposed access point should provide at least 18 dBm transmit power on both radios	Request to add this clause : The proposed access point should provide at least 27 dBm EIRP on both radios,For Better coverage & performance, AP should supported maximum TX Power as per regulatory norms .	No Change
		Networking Requirements Point No.1:-The proposed access point should handle a minimum of 200 concurrent devices	Requst to add this clause : The proposed access point should handle a minimum of 1000 concurrent devices.	No Change

		Point No.18 The proposed access point should select channels based on measuring throughput capacity in real-time	Request to change this clause : The proposed access point should select channels based on channel Utilization.	No Change
		Point No.22 The proposed access point should support 250 or more clients.	Request to add this clause : The proposed access point should support 500 or more clients.	No Change
		Interface and Power Requirements Point No.1 The proposed access point should have IoT /BLE Radio	Request to delete this clause: Type 4 AP's are to be used for inroom connectivity only and IOT/ BLE may not be required	Accepted
		Physical Requirements: The proposed XGS-PON OLT should be 1 RU 19" standard rack mountable	Request to change, Physical Requirements: The proposed XGS-PON OLT should be 1U	No Change
		Supply, installation, and configuration of XGS-PON ONU device per the following specifications	Request to change, Supply, installation, and configuration of GPON device per the following specifications	No Change
		The Proposed XGS ONU should have one XGS-PON port	Request to change, The Proposed XGS ONU should have one GPON port	No Change
		Supply, installation, and configuration of XGS-PON ONU device as per the following specifications	Request to change, Supply, installation, and configuration of GPON device per the following specifications	No Change
		The Proposed XGS ONU should have one XGS-PON port	Request to change, The Proposed XGS ONU should have one GPON port	No Change
		Usable Depth:-600 mm Usable width:-600mm	Request to change, Actual Depth:-600mm Actual Width:-600mm	No Change
		Additional Point	Request to add this clause: Cable Construction – Duplex Zip cord 2.0mm – 2 mm cable will provide more mechanical strength Telecommunication Standards: TIA 568 .3 D , IEC 60793-2-10, IEC 60793-2-50 Connector Standards - IEC 61754, TIA 604	No Change

			Cable Standards - IEC 60794-2-50, IEC 60332, IEC 60754, IEC 61034 - Global standards will help with more recognized products	
		Additional Point	Request to add this clause: Cable Construction – Simplex cord 2.0mm – 2 mm cable will provide more mechanical strength Telecommunication Standards: TIA 568 .3-D, IEC 60793-2-10, IEC 60793-2-50 Connector Standards - IEC 61754, TIA 604 Cable Standards - IEC 60794-2-50, IEC 60332, IEC 60754, IEC 61034 - Global standards will help with more recognized products	No Change
		Additional Point	Request to add this clause: 4 Connector Channel Reports can be added to ensure channel performance. A Separator tape should wrap below outer jacket for enhanced performance under PoE conditions	No Change
		Additional Point	Request to add this clause: Intertek/ETL/3P 4 Connector Channel Reports can be added to ensure channel performance	No Change
		Additional Point	Request to add this clause: IEC Flammability: IEC 60332-3-22 – Bunch Flame behavioral test can be added to ensure more safety as patch cords are patched in form of bunch in the racks	No Change

		Additional Point	Request to add this clause: UL Flammability: UL2043 Air Handling Spaces – For better safety in case of fire Termination Process - Termination of cable on IO through Universal Termination Tool to minimize any manual termination like punch down. All the four pairs should get crimped and cut together with the help of the tool. Pairs should not be separated in termination process to avoid any crosstalk issue at Jack. Tool-less jack is No Change because the tool-less jack is installer dependent, whereas the termination using a tool has consistent terminations ir-respective of the installer	No Change
6	TCIL	1. After supply of all passive items (S. No. 20. to 53 and 57 of BOQ) - 15% 2 After supply of all active items (S. No. 1 to 19 of BOQ) - 35% 3 After successful completion of work - 50%	1. After supply of all passive items (S. No. 20. to 53 and 57 of BOQ) - 25% 2 After supply of all active items (S. No. 1 to 19 of BOQ) - 45% 3 After successful completion of work - 30%	No Change
		List of BuyBack Items	Kindly share, Make-Model, Current Working Status of Items, and other relevant information that is necessary to evaluate the correct buyback price.	All the buyback items are not in working condition
		Access point should have a 1 X 10/100/1000/2500 Mbps RJ-45 POE port	The tender specifications require a throughput of 1.7 Gbps, which could be effectively delivered by a 10/100/1000 Mbps RJ-45 PoE port if the wireless throughput operates in half-duplex mode. Additionally, for outdoor conditions where access points are located 100 meters or more from the Access Switch, it is recommended to have a secondary optical port to maintain connectivity. Therefore, specifications may revised to : Access point should have 1 x 10/100/1000 Mbps RJ-45 PoE port and 1 x 100/1000/2500 Base-X Optical SFP port.	The access point should have a 1 X 10/100/1000 Mbps RJ-45 POE port

		Access point should have dual-polarized antennas, which should be integrated inside the access point enclosure to minimize damage and create a low-profile unit that does not stand out visually	The design specification restrict the domestic manufacturers and also is not a standard requirement in the similar tenders floated by other educational institutions. Furthermore, for outdoor deployments, the options to use either integrated or external dual-polarized antennas, as external antennas are typically preferred for better & enhanced coverage and flexibility in outdoor settings. Therefore, Kindly allow the option to have either integrated or external dual-polarized antennas for outdoor access points.	We have observed physical breakage of the external antenna due to various factors like students' cricket/ tennis balls, monkeys and birds.
7	BSNL	Period for completion 210 days	Time needs to be revised to 270 Days instead of 210 days , Keeping in view scope of work and OEM dependency at large	No Change
		(As per https://www.meity.gov.in/esdm/ppo) Government has issued Public Procurement (Preference to Make in India)	If OEM with Make in India criteria having constraints in supply of desired parts/ infra, in that case any other secific preference	As per Government guidelines
		1 Supply of all passive items/Devices 75 Days from the award of the Tender	Timeliens for supply of active and passive infra as per completion of project schedule.	No Change
		2 Supply of All active items/Devices 120 Days from the award of the Tender	210 needs to be revised to 270 days	No Change
		The MNIT official will share the deployment plan.	Timeliens for sharing the deployment plan, is it milestone specific or need based	Deployment plan will be shared within a day of the tender award date
		47. The proposed solution must provide the options of RTF (Return to Factory), ND (Next Day), and SD (Same Day) to be supported directly by the manufacturer as part of its general support offerings	Time needs to be revised to 20 Days instead of ND (Next Day), and SD (Same Day), Wan routers and Firewall Solution, Link Load balancer,Core Switch, Distribution Switch, Access switch,	No Change.

		5. The proposed access point should have a 1 X 10/100/1000/2500 Mbps RJ-45 POE port	The tender specifications require a throughput of 1.7 Gbps, which can be effectively handled using a 10/100/1000 Mbps RJ-45 PoE port, considering that wireless throughput operates in half-duplex mode. Additionally, for outdoor deployments, it is always recommended to have a secondary optical port, as it facilitates connectivity for access points installed at distances of 100 meters or more from the access switch.	5. The proposed access point should have a 1 X 10/100/1000 Mbps RJ-45 POE port
		11. The proposed access point should have dual-polarized antennas, which should be integrated inside the access point enclosure to minimize damage and create a low-profile unit that does not stand out visually	Request to amend clause as: The current design specification is available with only a limited number of foreign OEMs, making it restrictive for domestic Wi-Fi manufacturers. Furthermore, this is not a standard requirement in similar tenders issued by central government educational institutions such as IITs, IIMs, and NITs. Additionally, for outdoor deployments, the option to use either integrated or external dual-polarized antennas should be permitted, as external antennas are generally preferred for better coverage and flexibility in outdoor environments. Request: Kindly allow the option to have either integrated or external dual- polarized antennas for outdoor access points.	We have observed physical breakage of the external antenna due to various factors like students' cricket/ tennis balls, monkeys and birds.
		Moiling/ Digging/Recarpeting	Moiling/boring, refiling, and re-carpeting of soil, road, and footpath at a minimum 1524 mm depth from natural ground level and at least 10 feet distance between two man-holes or hand-holes with the help of manual labor or machinery. The Contractor may use the following trench/trench digging methods to install the DWC duct pipes:	No Change
		Performance bank guarantee as per the format available in the bid document in a single pdf file named DRB.pdf	Since PBG is to be submitted after the award of the tender. So, Submission at the time of bid submission is irrelevant. So, Please remove this.	Removed
		Lowest price Certificate, Annexure 7 of bid documents	Please remove this clause, as the prices are market fluctuated and depend on tender conditions, it is not possible that the prices of the offered products are lowest.	No Change
		I/We do hereby certify that prices quoted by us against this tender are the lowest and are the same as applicable to other Government Departments/ Undertakings/ Other Organisations. We also certify that the quoted rates are		No Change

		not higher than rates quoted / prices charged by us for the same items to other Customers.		
		All traditional LAN components (Core Switch, Distribution Switch, Access Switch, and PoE switch) are from one OEM only and with the same operating system.	This point is blocking to participate major OEMs and support to single OEM, as point said same OS for full stack of switches, however in distribution Switch categorgy specifications force OEM to give Data Center Switch.	No Change
		Performance Security: The successful tenderer will be required to furnish a Performance Security Deposit of 10% of the total order amount in the form of a Fixed Deposit Receipt (FDR) or irrevocable Bank Guarantee (BG) from any Nationalized/ Scheduled Bank duly pledged in the name of the "Malaviya National Institute of Technology, Jaipur". Performance Security will be discharged after 60 days from the date of successful delivery and installation of the ordered material.	Here the PBG asked is 10% of total order value, Please keep it 5%.	No Change
		Buyback Infra-Format	Total 26 number of items are in buyback, Request to mention the make and model and their working status, so that exact evaluation can be done and accordingly amount to be filled in financial BoQ.	All the buyback items are not in working condition
		On supply of passive material : 15% of tender value	On supply of passive material : 30% of tender value.	No Change
		On supply of active material : 35% of tender value.	On supply of active material : 50% of tender value	No Change
		On Successful commissioning: 50% of tender value.	On installation and commissioning: 20% of tender value.	No Change
		Not mentioned	When and how will the payment for buy back items be deducted	At the end of implementation

		Not mentioned	Is there any provision of Reverse Auction in this Tender.	No reverse auction
		Robust steel sheet welded construction consisting of top, bottom, and side panels equipped with base plinth. Front metal door with gasket protection and provided with IP 55 compatible multi-point lock. The door is equipped with a filter and hood. The hood is provided with louvers for ventilation. Ventilation and protection are provided through an IP 54/IP 55 compatible filter. Rear metal door with gasket protection and provided with IP 55 compatible multi- point lock. The door is equipped with a filter and hood. The hood is provided with louvers for ventilation. Ventilation and protection are provided through an IP 54/IP 55 compatible filter. The fan is fitted along with the filter at the top cover.	Cabinets will designed to meet ip54/ip55 compliances . Ideally it is recommended to have 1/3rd louvers with filters on the sides of the rack for fresh air coming and TOP cover with canopy and provisions with fans and filters will exhaust the hot air . This arrangement will ensure ambient temperature + 10 degrees inside the cabinet.	No Change
		Corrosion Resistance: Salt spray test according to ISO 9227 (NSS test) and IEC EN 60068-2-11 (Ka test) for 168 hours: degree of Rusting Ri1 according to ISO 4628-3, propagation ≤1 mm according to ISO 4628-8	Customer to recommend 500 hours salt spray certification from reputed labs .	No Change
		Robust steel sheet welded construction consisting of top, bottom, rear, and side panels. Front metal door with gasket protection and double-bit lock. The door is equipped with a filter and hood. The hood is provided with louvers for ventilation. Ventilation and protection are provided through an IP 54/IP 55 compatible filter. The fan is fitted along with the	Cabinets will designed to meet ip54/ip55 compliances . Ideally it is recommended to have 1/3rd louvers with filters on the sides of the rack for fresh air coming and TOP cover with canopy and provisions with fans and filters will exhaust the hot air . This arrangement will ensure ambient temperature + 10 degrees inside the cabinet.	No Change

		Corrosion Resistance: Salt spray test according to ISO 9227 (NSS test) and IEC EN 60068-2-11 (Ka test) for 168 hours: degree of Rusting Ri1 according to ISO 4628-3, propagation ≤1 mm according to ISO 4628-8.	Customer to recommend 500 hours salt spray certification from reputed labs .	No Change
		Rack Size:- 42U modular construction of the rack made of 4 vertical, 4 horizontal & 4 depth extruded aluminum alloy multi-hollow profiles bolted and joined together with links and a corner block. 2 or 3 pairs of support channels to equate the load evenly and castor provision at the bottom side.	CRCA frame structure with multifoods picture frame made of 2mm is recommended for higher load carrying capacity upto 1350 kgs	No Change
		Corrosion resistance: Salt spray test according to ISO 9227 (NSS test) and IEC EN 60068-2-11 (Ka test) for 168 hours: degree of Rusting Ri1 according to ISO 4628-3, propagation ≤1 mm according to ISO 4628-8	Customer to recommend 500 hours salt spray certification from reputed labs .	No Change
		Corrosion resistance: Salt spray test according to ISO 9227 (NSS test) and IEC EN 60068-2-11 (Ka test) for 168 hours: degree of Rusting Ri1 according to ISO 4628-3, propagation ≤1 mm according to ISO 4628-8	Customer to recommend 500 hours salt spray certification from reputed labs .	No Change
		Corrosion resistance: Salt spray test according to ISO 9227 (NSS test) and IEC EN 60068-2-11 (Ka test) for 168 hours: degree of Rusting Ri1 according to ISO 4628-3, propagation ≤1 mm according to ISO 4628-8	Customer to recommend 500 hours salt spray certification from reputed labs .	No Change
		The proposed core switch should support a minimum of 250K MAC addresses.	Request to amend the clause as " The proposed core switch should support a minimum of 98K MAC addresses" Justification: 250K MAC address may not be requred in campus network and reducing the MAV address will not impact network performance. Reducing the MAC address value will allow one of the Gartner leader to qualify and participate in the bid.	No Change

		The proposed core switch should support a minimum of 200K IPv4 and 100K IPv6 routes/ entries.	Request to amend the clause as " The proposed core switch should support a minimum of 100K IPv4 and 30K IPv6 routes/ entries" Justification: 200K/100K IPv4/IPv6 will not be required in campus network. Reducing down the IPv4 & IPv6 will not imact any network performance. Reducing the Routes will allow one of the gartner leader to qualify and participate in the bid.	No Change
		The proposed core switch should support a minimum of 40K IPV4 and 40K IPV6 multicast routes/ entries.	Request to amend the clause as " The proposed core switch should support a minimum of 7K IPV4 and 7K IPV6 multicast routes/ entries. Justification: 40K Multicast routes may not be required in Campus network deployment, reducing down the Multicast will not impact any network performance and allow one of the gartner leader to qualify and participate in the bid.	No Change
		The proposed distribution switch should have a minimum of 8 no's of 100G (QSFP28)/40G (QSFP+) ports populated with 2X100G QSFP28 SM LR transceivers of the same OEM.	Request to amend the clause as " The proposed distribution switch should have a minimum of 6 no's of 100G (QSFP28)/40G (QSFP+) ports populated with 2X100G QSFP28 SM LR transceivers of the same OEM" Justification: 8 Nos of uplink will not be required for distribution switch, reducing uplink port will not impact any network performance. reducing down the uplink port will allow on of the gartner leader to qualify and participate in the bid.	No Change
		The proposed distribution switch should have at least 56 Ports (48 SFP+ ports and 8 QSFP28 ports).	Request to amend the clause as " The proposed distribution switch should have at least 54 Ports (48 SFP+ ports and 6 QSFP28 ports). Justification: request to amend the clause, so that one of the leading OEM to qualifi and participate in the b nid.	No Change
		The proposed distribution switch must support a minimum of 100K IPv4 and 100K IPv6 routes.	Request to amend the clause as " The proposed core switch should support a minimum of 100K IPv4 and 30K IPv6 routes/ entries" Justification: 100K IPv4/IPv6 will not be required in campus network. Reducing down the IPv4 & IPv6 will not imact any network performance. Reducing the Routes will allow one of the gartner leader to qualify and participate in the bid.	No Change
		The proposed distribution switch should support a minimum of 32K IPv4 and 32K IPv6 multicast routes.	Request to amend the clause as " The proposed core switch should support a minimum of 7K IPV4 and 7K IPV6 multicast routes/ entries. Justification: 32K Multicast routes may not be required in Campus network deployment, reducing down the Multicast will not impact any network performance and allow one of the gartner leader to qualify and participate in the bid.	No Change

		The proposed distribution switch should have a minimum of 200K MAC address support.	Request to amend the clause as " The proposed distribution switch should support a minimum of 98K MAC addresses" Justification: 250K MAC address may not be requred in campus network and reducing the MAV address will not impact network performance. Reducing the MAC address value will allow one of the Gartner leader to qualify and participate in the bid.	No Change
		The proposed access switch should have two separate stacking/VC ports. The port should be populated with 1 meter Stack/DAC cable and all necessary licenses and accessories required for stacking with at least 80 Gbps stacking/VC bandwidth.	Request to amed the clause as " The proposed access switch should have two stacking/VC ports. The port should be populated with 1 meter Stack/DAC cable and all necessary licenses and accessories required for stacking with at least 40 Gbps stacking/VC bandwidth. Justification : uplink ports can be used for stacking as onlu 2 uplink ports will be used, rest 2 uplink will be used for stacking. request to relax this clause for leading OEM to qualify and participate in the bid.	No Change
		The proposed access switch should have at least 30 Ports (4 SFP+ ports, 2 X stacking ports, and 24 copper ports).	Request to amend the clause as " The proposed access switch should have at least 24 Ports (4 SFP+ ports and 24 copper ports). Justification : request to relax this clause for leading OEM to qualify and participate in the bid.	No Change
		The proposed access switch should have a minimum of 2GB DRAM.	Request to amend the clause as " The proposed access switch should have a minimum of 1GB DRAM" Justification: RAM and Flash varies from OEM to OEM, reducing down RAM will not impact any network performance, Reducing the RAM value will allow one of the Gartner leader to qualify and participate in the bid.	No Change
		The proposed access switch should support a minimum of 8K IPv4 and 8K IPv6 routes.	Request to amend the clause as " The proposed access switch should support a minimum of 2K IPv4 and 1K IPv6 routes. Justification: 2K IPv4 routes for access switch is more that sufficient, reducing down Routes will not impact any network performance, Reducing the Routes value will allow one of the Gartner leader to qualify and participate in the bid.	No Change
		The proposed access switch should support multicast routes/entries with a minimum of 2K for both IPv4 and IPv6.	Request to amend the clause as " The proposed access switch should support multicast routes/entries with a minimum of 200 for both IPv4 and IPv6. Justification: 200 IPv4 multicast routes for access switch is more that sufficient, reducing down Routes will not impact any network performance, Reducing the Routes value will allow one of the Gartner leader to qualify and participate in the bid.	No Change

		The proposed access switch should have two separate stacking/VC ports. The port should be populated with 1 meter Stack/DAC cable and all necessary licenses and accessories required for stacking with at least 80 Gbps stacking/VC bandwidth.	Request to amed the clause as " The proposed access switch should have two stacking/VC ports. The port should be populated with 1 meter Stack/DAC cable and all necessary licenses and accessories required for stacking with at least 40 Gbps stacking/VC bandwidth. Justification : uplink ports can be used for stacking as onlu 2 uplink ports will be used, rest 2 uplink will be used for stacking. request to relax this clause for leading OEM to qualify and participate in the bid.	No Change
		The proposed access switch should have at least 54 Ports (4 SFP+ ports, 2 X stacking ports, and 48 copper ports).	Request to amend the clause as " The proposed access switch should have at least 52 Ports (4 SFP+ ports and 48 copper ports). Justification : request to relax this clause for leading OEM to qualify and participate in the bid.	No Change
		The proposed access switch should have a minimum of 2GB DRAM.	Request to amend the clause as " The proposed access switch should have a minimum of 1GB DRAM" Justification: RAM and Flash varies from OEM to OEM, reducing down RAM will not impact any network performance, Reducing the RAM value will allow one of the Gartner leader to qualify and participate in the bid.	No Change
		The proposed access switch should support a minimum of 8K IPv4 and 8K IPv6 routes.	Request to amend the clause as " The proposed access switch should support a minimum of 2K IPv4 and 1K IPv6 routes. Justification: 2K IPv4 routes for access switch is more that sufficient, reducing down Routes will not impact any network performance, Reducing the Routes value will allow one of the Gartner leader to qualify and participate in the bid.	No Change
		The proposed access switch should support multicast routes/entries with a minimum of 2K for both IPv4 and IPv6.	Request to amend the clause as " The proposed access switch should support multicast routes/entries with a minimum of 200 for both IPv4 and IPv6. Justification: 200 IPv4 multicast routes for access switch is more that sufficient, reducing down Routes will not impact any network performance, Reducing the Routes value will allow one of the Gartner leader to qualify and participate in the bid.	No Change
		The proposed access switch should have two separate stacking/VC ports. The port should be populated with 1 meter Stack/DAC cable and all necessary licenses and accessories required for stacking with at least 80 Gbps stacking/VC bandwidth.	Request to amed the clause as " The proposed access switch should have two stacking/VC ports. The port should be populated with 1 meter Stack/DAC cable and all necessary licenses and accessories required for stacking with at least 40 Gbps stacking/VC bandwidth. Justification : uplink ports can be used for stacking as onlu 2 uplink ports will be used, rest 2 uplink will be used for stacking. request to relax this clause for leading OEM to qualify and participate in the bid.	No Change

		The proposed access switch should have at least 30 Ports (4 SFP+ ports, 2 X stacking ports, and 24 copper ports).	Request to amend the clause as " The proposed access switch should have at least 24 Ports (4 SFP+ ports and 24 copper ports). Justification : request to relax this clause for leading OEM to qualify and participate in the bid.	No Change
		The proposed POE switch should have a minimum of 64K MAC address support.	Request to amend the clause as " The proposed distribution switch should support a minimum of 32K MAC addresses" Justification: 64K MAC address may not be requred in Access switch and reducing the MAC address will not impact network performance. Reducing the MAC address value will allow one of the Gartner leader to qualify and participate in the bid.	No Change
		The proposed access switch should have two separate stacking/VC ports. The port should be populated with 1 meter Stack/DAC cable and all necessary licenses and accessories required for stacking with at least 80 Gbps stacking/VC bandwidth.	Request to amed the clause as " The proposed access switch should have two stacking/VC ports. The port should be populated with 1 meter Stack/DAC cable and all necessary licenses and accessories required for stacking with at least 40 Gbps stacking/VC bandwidth. Justification : uplink ports can be used for stacking as onlu 2 uplink ports will be used, rest 2 uplink will be used for stacking. request to relax this clause for leading OEM to qualify and participate in the bid.	No Change
		The proposed access switch should have at least 30 Ports (4 SFP+ ports, 2 X stacking ports, and 24 copper ports).	Request to amend the clause as " The proposed access switch should have at least 24 Ports (4 SFP+ ports and 24 copper ports). Justification : request to relax this clause for leading OEM to qualify and participate in the bid.	No Change
		The proposed access switch should have a minimum of 2GB DRAM.	Request to amend the clause as " The proposed access switch should have a minimum of 1GB DRAM" Justification: RAM and Flash varies from OEM to OEM, reducing down RAM will not impact any network performance, Reducing the RAM value will allow one of the Gartner leader to qualify and participate in the bid.	No Change
		The proposed access switch should support a minimum of 8K IPv4 and 8K IPv6 routes.	Request to amend the clause as " The proposed access switch should support a minimum of 2K IPv4 and 1K IPv6 routes. Justification: 2K IPv4 routes for access switch is more that sufficient, reducing down Routes will not impact any network performance, Reducing the Routes value will allow one of the Gartner leader to qualify and participate in the bid.	No Change

		The proposed access switch should support multicast routes/entries with a minimum of 2K for both IPv4 and IPv6.	Request to amend the clause as " The proposed access switch should support multicast routes/entries with a minimum of 200 for both IPv4 and IPv6. Justification: 200 IPv4 multicast routes for access switch is more that sufficient, reducing down Routes will not impact any network performance, Reducing the Routes value will allow one of the Gartner leader to qualify and participate in the bid.	No Change
		The proposed access point should provide zero service interruption and handle client traffic if the controller goes down.	Clerification required: If one of the controller go down will not impact the connected clients.	No Change
		The proposed access point should have at least a 2 dBi antenna gain for both radios.	Clarification required: any reason for reducing down the antenna gain for higher capacity access point	No Change
		The proposed access point should provide zero service interruption and handle client traffic if the controller goes down.	Clarification required: If one of the controller go down will not impact the connected clients.	No Change
		20. The proposed access point should have at least a 5 dBi antenna gain for both radios.	Request to amend the clause as " The proposed access point should have at least a 5 dBi antenna gain on 5Ghz radio.	No Change
		The proposed access point should provide zero service interruption and handle client traffic if the controller goes down.	Clerification required: If one of the controller go down will not impact the connected clients.	No Change