भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान मोहाली

शिक्षा मंत्रालय, भारत सरकार द्वारा स्थापित

सैक्टर 81, नॉलेज सिटी, प॰ ओ॰ मनौली, एस॰ ए॰ एस॰ नगर, मोहाली, पंजाब - 140306

INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH MOHALI

(Estd. By Ministry of Education, Govt of India)

Sector-81, Knowledge city, PO-Manauli, SAS Nagar Mohali-140306, Punjab

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CPPP/Institute Website

IISERM(1675)24/25-Pur   Dated : 01-10-2024

शुद्धिपत्र-II / CORRIGENDUM –II

In reference to the e-Tender notice no. IISERM(1675)24/25-Pur dated 30-08-2024 for **"Providing of Networking Services and related Core Infrastructure for New Hostel in IISER Mohali",** at IISER Mohali, Knowledge City, PO. Manauli S.A.S. Nagar, Mohali, Punjab-140306, the Bid submission date is further extended due to administrative reasons, for the referred NIT/tender, as per revised schedule:

The Bid submission date is further extended due to amendment/modification/addition in NIT/Bill of material to clarify the technical aspects of the representations and queries received from prospective bidders following pre-bid meeting held on 10.09.2024, which are tabulated in **Annexure-V and representation - replies in Annexure-VI** for the above referred NIT/tender :

In view of the above, the end date submission of above notice extended as below:

Revised date and Time:

S. No.	Description	Extended Due date/Time
01	**Closing Date & Time (Online) submission**	**22nd October 2024 upto 02:30 PM**
02	**Opening Date & Time of Technical Bid**	**23rd October 2024 upto 03:30 PM**

For any information, other modifications and/or corrigendum may kindly visit IISER Mohali websites http://www.iisermohali.ac.in/ & CPPP portal **https:/eprocure.gov.in/eprocure/app.**

Bidders are requested to furnish bid incorporating the above changes/ amendment/s.

Sd/-

सहायक कुलसचिव (क्रय तथा भंडार)

Assistant Registrar (Stores & Purchase)

Annexure-V: Amendment to Tender IISERM (1675)24/25-Pur

As per the requests and queries received during pre-bidding meetings, and over email, the clarification & additional information are provided through this document. Bidders must comply with all conditions and specs as per this document as well as all other documents along with the original NIT document. Please check carefully all the sections (Annexure –I, Annexure –II, Annexure –III, Annexure –V (this document), and pre-bid answers) for more detailed explanations wherever it is applicable.

1. Technical evaluation shall be made strictly based on the original terms and conditions of NIT as well as this document.
2. Annexure-I, II, III, V and the replies to the questions from the vendors also form a part of NIT.
3. If any vendor still desires to see the site, they are free to do so.

In view of this, all vendors and bidders are required to fully comply with our requirements as per technical specifications as expressed in original NIT, corrigendum and associated annexures.

Amendments:

Sl. No.	Reference	Particulars	Amendment/Addition/should be read as
1.	Page-16, 1.i.b	Core switch (CS): This is to provide backbone connectivity to each hostel and should operate in HA mode. It will be mounted at the core networking rack available at CC. It should provide 6 links to each hostel. It must support the connectivity to the already existing core switches. This should be able to adopt the available network. The connectivity from CS to DS in hostel should be done through Fibre. Details are as per table 1.2.1.	Core switch (CS): This is to provide backbone connectivity to each hostel and should operate in HA mode. It will be mounted at the core networking rack available at CC. It should provide 6 core-fibres to each hostel. It must support the connectivity to the already existing core switches. This should be able to adopt the available network. The connectivity from CS to DS in hostel should be done through Fibre. Details are as per table 1.2.1.
2.	Page-16, 1.ii.b	Access switch (AS): as per the list mentioned. The connectivity from DS to AS in hostel could be done through fibre connectivity. The vendors must provide compatible connectors, cables, and switch types, as well as with the devices already specified in the tender.	Access switch (AS): as per the list mentioned. The connectivity from DS to AS in hostel should be done over fibre connectivity. The vendors must provide compatible transceivers, connectors, cables, and switch types, as well as with the devices already specified in the tender.
3.	Page-18, 1.1	Passive components for CS and OFC laying CC to hostel Related to the query about the Fibre from LIU-Junction unit to Hostels	(1) Vendors must provide 1 x 6-core fiber (armoured, anti-rodent, OS2) to connect from outside LIU- Junction unit to Hostel 3 and 1 x 6- core fibre (armoured, anti-rodent, OS2) to connect from outside LIU- Junction unit to Hostel 4. The fibres must be added to BoQ under item 3.1 for a length of 150 Mtrs. (2) Vendor must provide compatible fibres and connectors (such as LC-LC) for entire segment of fibre. And laying must do through a non- trenching method.

4.	Page#18 1.2.1 1.a	The Switch will be populated with: 24 x 10G or more connectivity for uplink to DS in hostels (the vendor must check the distance of fibre for this connectivity) 4 x 40G or more connectivity to main Core Switch Should support virtual / physical chassis functionality for integration with multiple switches OR The switch should at least support stackable features, thus the vendor must provide appropriate ports and required hardware/items to support these features and it will be in the scope of the vendor to stack the switches.	The Switch will be populated with: (1) 24x10G or more ports to provide the connectivity to all DS kept in hostels (the vendor must check the distance and appropriate fibres must provide) (2) Must have at least 2 x 40/100G ports for future unlinking. (3) Must have at least 2 x 10G for the connection to existing network. Please note that the CS will be connected to existing network over 2x10G SFP+ optical transceiver for time being. (4) Additionally, CS should support virtual/physical chassis functionality for integration with multiple switches OR The switch should at least support stackable features, thus the vendor must provide appropriate ports and required hardware/items to support these features and it will be in the scope of the vendor to stack the switches. (5) All transceiver and appropriate fibre patch T-cords must be provided by vendors.
5.	Page#19, 1.2.1.g	Switch support IPv4 and IPv6 routing	Switch support IPv4 and IPv6 routing, multicast routing. It should support atleast 10K MAC and should support atleast 100 VLAN.
6.	Page#19, 1.2.1.i	Vendors must ensure the integrity of data, licenses, software, firmware. In case of failure of any such components (data, licenses, software, firmware) or resulting in nonfunctioning of the switch, the vendor must solve the problem within time mentioned in the T&C.	Vendors must ensure the integrity of data, licenses, software, firmware. In case of failure of any such components (data, licenses, software, firmware) or resulting in non-functioning of the switch, the vendor must solve the problem within time mentioned in the T&C. Additionally, the CS should have atleast the static routing and basic L3 routing protocols.
7.	Page#19,1.2.1	Core switch General Specifications (1.2.1) clause (e) Should have minimum of 4 GB Flash or more	CS Should have minimum of 4 GB Flash and a minimum of 2 GB RAM
8.	Page #19 2.2.1	Distribution switch General Specifications (2.2.1) clause (a) Switch should have at least 24 x 10Gbps SFP+ ports. This is to provide connectivity from DS-to-AS Each DS must have appropriate uplinks ports to connect CS over 10G fibre connectivity from DS-to-CS uplink. DS in each hostel should be configured in HA mode, thus the vendor must ensure all required items/software for the same.	Switch should have at least 24 x 10Gbps SFP+ ports. This is to provide connectivity from DS-to-AS. Each DS must have appropriate uplinks ports to connect from CS over 10G fibre (Single Mode) connectivity from CS-to- DS uplink. DS in each hostel should be configured in HA mode, thus the vendor must ensure all required items/software for the same.
9.	Page#19,2.1.5	12 U Rack with Accessories 2x7	Two more 12U rack should be added. While filling BoQ 1.8, vendor must fill 2x7 quantities for 12U racks. And for two additional 12U racks, vendors should use Item no 3.2 of the BoQ
10.	Page#20,2.2.1	Distribution switch General Specifications (2.2.1) clause (c) Should have minimum of 4 GB Flash or more.	DS should have minimum of 2 GB Flash storage and a minimum of 1 GB RAM
11.	Page#20, 2.2.1.2	(b) Switch should support routing protocols (d) IPv6 support in hardware.	Switch support IPv4 and IPv6 routing, multicast routing. It should support at least 10K MAC and should support at least 100 VLAN.

12.	Page#20, 2.2.1.2.e	Vendors must ensure the integrity of data, licenses, software, firmware. In case of failure of any such components (data, licenses, software, firmware) or resulting in nonfunctioning of the switch, the vendor must solve the problem within time mentioned in the T&C.	Vendors must ensure the integrity of data, licenses, software, firmware. In case of failure of any such components (data, licenses, software, firmware) or resulting in non-functioning of the switch, the vendor must solve the problem within time mentioned in the T&C. Additionally, the DS should have at least the static routing and basic L3 routing protocols.
13.	Page #20 2.2.2	Access switch General Specifications (2.2.2) clause (a) Switch should have at least 10/100/1000 BASE-T Ethernet connectivity. This is for the connectivity from AS-to-outlets. Each AS should have at least 2 x 10Gbps uplink fibre ports to connect both DS over 10Gbps fibre connectivity.	Switch should have at least 24 x 10/100/1000 BASE-T Ethernet ports. This is for the connectivity from AS-to-outlets. Each AS should have at least 2 x 10G uplink fibre ports to connect both DS over 10Gbps via single mode fibre connectivity.
14.	Page#20,2.2.2	Access switch General Specifications (2.2.2) clause (b) Switch should have a minimum of 1 GB RAM and 2 GB Flash.	Switch (24 Ports AS) should have a minimum of 1GB Flash and minimum of 512 MB RAM.
15.	Page #21 2.2.3	Access switch General Specifications (2.2.3) clause (a) Switch should have at least 10/100/1000 BASE-T Ethernet connectivity. This is for the connectivity from AS-to-outlets. Each AS should have at least 2 x 10Gbps uplink fibre ports to connect both DS over 10Gbps fibre connectivity.	Switch should have at least 48 x 10/100/1000 BASE-T Ethernet ports. This is for the connectivity from AS-to-outlets. Each AS should have at least 2 x 10G uplink fibre ports to connect both DS over 10Gbps via single mode fibre connectivity.
16.	Page#21,2.2.3	Access switch General Specifications (2.2.3) clause (b) Switch should have a minimum of 1 GB RAM and 2 GB Flash.	Switch (48 ports AS) should have a minimum of 1 GB RAM and minimum of 2 GB Flash.
17.	Page #21 2.3	Passive component for wired network (2.3) clause 6 Jack panels with matching numbers of ports for each Distribution switch. (2 for each hostel)	LIU units with matching number of ports for each Distribution switch. The same is replaced in BoQ item 2.9
18.	Page #22	General comments Annexure I indicates the minimum requirement of wired IO outlets. Annexure – III and Annexure – IV provide the minimum required of switches for wired networking respectively.	Annexure I indicates the minimum requirement of wired IO outlets. Annexure – III provide the minimum required of switches for wired networking.
19.	Page #26	Service Level Agreement and Warranty (clause 3) "The bidder/ vendor must ensure that all installed equipment supplied by them has a minimum uptime of 99.5%, which may be calculated quarterly. In case of any downtime, a penalty of Rs. 500 per day of delay would be charged, and in case of non- deposit of the penalty, the amount shall be deducted from the any dues payable towards the vendor or the Performance Security Deposit may be forfeited."	The bidder/ vendor must ensure that all installed active equipment supplied by them has a minimum uptime of 99%, which may be calculated quarterly. In case of any downtime, a penalty of Rs. 500 per day of delay would be charged, and in case of non-deposit of the penalty, the amount shall be deducted from the any dues payable towards the vendor or the Performance Security Deposit may be forfeited.
20.	Page # 28	Eligibility Criteria for bidder Clause (3). Works Experience: The bidder must have completed similar campus/building networking works in IISERs, IITs, NITs, any other INIs or Government academic Institutes/ Universities during the last five years. The bidder must have successfully completed similar work during the last five years ending on the last day of month to the one in which tender is floated	Works Experience: The bidder must have completed similar campus / building networking works in IISERs, IITs, NITs, any other INIs or Government academic Institutes/Universities, Government organizations/state governments or Public sector Units in the last five years. The bidder must have successfully completed similar work during the last five years ending on the last day of month to the one in which tender is floated

		a) Three similar completed works each consisting of not less than 40% of switches (in nos.) and 40% of ports (in nos.) proposed in the tender; or b) Two similar completed works each consisting of not less than 50% of switches (in nos.) and 50% of ports (in nos.) proposed in the tender; or c) One similar completed works each consisting of not less than 80% of switches (in nos.) and 80% of ports (in nos.) proposed in the tender.	a) Three similar completed works each consisting of not less than 40% of switches (in nos.) and 40% of ports (innos.) proposed in the tender; or b) Two similar completed works each consisting of not less than 50% of switches (in nos.) and 50% of ports (innos.) proposed in the tender; or c) One similar completed works each consisting of not less than 80% of switches (in nos.) and 80% of ports (in nos.) proposed in the tender.
21.	Page # 28	Eligibility Criteria for bidder. clause (6). Experience: The bidder should have at least five years of experience in supply, installation, integration, commissioning, and management of networking projects. Certified copies of PO and Successful Work Completion certificates clearly state the completed work (as mentioned in Pt. 3) to be submitted as proof.	Experience: The bidder should have at least five years of experience in supply, installation, integration, commissioning, and management of networking projects. Certified copies of PO and Successful Work Completion certificates clearly stating the completed work (as mentioned in Pt. 3) in the last five years to be submitted as proof.
22.	Page # 29	Eligibility Criteria for OEM (Active component) Clause 1 Proposed Products (software, firmware, and hardware) must have a comprehensive OEM onsite warranty pack for 5 years on all quoted hardware and software with 24*7*365 TAC support and NDB hardware replacement from the date of installation.	Proposed Products (software, firmware, and hardware) must have a comprehensive OEM onsite warranty pack for 5 years on all quoted hardware and software with 24*7*365 TAC support and NBD hardware replacement from the date of installation.
23.	Page # 29	Eligibility Criteria for Passive Component clause 1. The passive components' OEM must be ISO 9001 and ISO 14000 certified. The material must have been manufactured in the OEM's own manufacturing facilities and not outsourced.	The passive components' OEM must be ISO 9001, ISO 27001, ISO45001 and ISO 14000 certified. The material must have been manufactured in the OEM's own manufacturing facilities and not outsourced.
24.	Page # 29	Eligibility Criteria for Passive Component clause 4. All fiber cables should be bent compliant with ITU-T G.657.A1, OS2.	All fibre cables, pig tails (if any), and connectors should be bent compliant with ITU-T G.657.A1/A2, OS2. These should be armoured and anti-rodent. Appropriate and compatible patch-cord must be provided.
25.	Page # 30	Other Terms and conditions. Clause 7. Site Personnel: The bidder shall depute one Site Engineer or Site Supervisor on their payroll. The Site Engineer/Site Supervisor should be OEM certified and have a minimum of 5 years of experience in passive networking. They shall remain present at the site from the start of the project until the completion certificate is issued. If the Site Engineer or Supervisor is absent, recovery shall be made from the bidder at the rate of Rs. 500/- per day/per person. The bidder shall provide the details of the Site Engineer/Supervisor, including their names, qualifications, and experience, along with the bid. The attendance of these personnel shall be recorded at IISER Mohali.	Site Personnel: The bidder shall depute one Site Engineer or Site Supervisor on their payroll. The Site Engineer/Site Supervisor should be OEM certified and have a minimum of 5 years of experience in networking project. They shall remain present at the site from the start of the project until the completion certificate is issued. If the Site Engineer or Supervisor is absent, recovery shall be made from the bidder at the rate of Rs. 500/- per day/per person. The bidder shall provide the details of the Site Engineer/Supervisor, including their names, qualifications, and experience, along with the bid. The attendance of these personnel shall be recorded at IISER Mohali.

26.	Page #32	Delivery Installation, schedule and penalities, clause (h) (Payment will be released phase-wise) a) 50% of the material value will be paid upon receipt and verification each of the materials. b) Milestone Payment: Upon successful installation and verification of both materials and services, 70% of the services payment will be released based on the installed materials and services at stage wise. c) Final Payment: Balance payment for the materials and services, as per actual, will be made upon the completion of the project on the basis of completion certificate provided by the contractor and Verification by the Committee of the Institute and submission of the PBG.	(Payment will be released phase-wise) a) 50% of the material value will be paid upon receipt and verification of each of the materials. b) Milestone Payment: 90% of both material (as per actuals) and service cost will be paid upon successful installation, testing and verification. c) Final Payment: Balance payment of 10% for the materials and services, will be made upon the completion of the project (on the basis of completion certificate provided by the contractor and Verification) and submission of the PBG.
27.	Page#31, 1.e	<u>Warranty Terms</u>: The starting date of the warranty will be from the actual completion of work or handing over whichever is later. The complaints under warranty should be resolved within 48 hours (including public holidays) of notification. A penalty of Rs. 1000 per day will be charged. The bidder must rectify defects without any charges within the warranty period. In case of physical damage, fire, or any other reasons, the warranty is void. The bidder will rectify the fault as per the rate quoted on the tender. IISER Mohali will not pay any amount for fault detection.	<u>Warranty Terms</u>: The starting date of the warranty will be from the actual completion of work or handing over whichever is later. The complaints under warranty should be resolved within 48 hours (including public holidays) of notification. A penalty of Rs. 500 per day will be charged. The bidder must rectify defects without any charges within the warranty period. In case of physical damage, fire, or any other reasons, the warranty is void. The bidder will rectify the fault as per the rate quoted on the tender. IISER Mohali will not pay any amount for fault detection.
28.	Additional Items		All the connections must be modular, neatly and must be labelled in all segments.

A. Vendor must check and comply all points in this document as well as one-to-one reply to per-bid queries.
B. Vendors must fill additional BoQ items 3.1 (Slno-3) and 3.2 (Slno-9) as per the requirement of this document.

ANNEXURE-VI

Sr. No.	Name of Bidder & address	Contact Person	Mobile No./Telephone	E-mail dated	Queries received by email							Remarks	Proposed changes
					Clause Heading	Page No.	Point/Clause No.	Tender Specification	Request for Change	Amendment requested / justification			
1	M/s Intec Infonet 701, Manjusha Building, 57, Nehru Place, New Delhi – 110019 E-mail: sarthak@intecinfonet.com	Sarthak Batra	9759577785	11.09.2024		Notice Inviting Tender, Page No. 32, Clause (h), Payment Terms	(Payment will be released phase-wise) a) 50% of the material value will be paid upon receipt and verification each of the materials. b) Milestone Payment: Upon successful installation and verification of both materials and services, 70% of the services payment will be released based on the installed materials and services at stage wise. c) Final Payment: Balance payment for the materials and services, as per actual, will be made upon the completion of the project on the basis of completion certificate provided by the contractor and Verification by the Committee of the Institute and submission of the PBG.		(Payment will be released phase-wise) a) 70% of the material value will be paid upon receipt and verification each of the materials. b) Milestone Payment: Upon successful installation and verification of both materials and services, 20% of material value and 90% of the services payment will be released based on the installed materials and services at stage wise. c) Final Payment: Balance 10% payment for the materials and services, as per actual, will be made upon the completion of the project on the basis of completion certificate provided by the contractor and Verification by the Committee of the Institute and submission of the PBG.			Please check the Annexure - V

							Reference	Existing Clause		Proposed Clause / Remarks			Response
							Notice Inviting Tender, Page No. 26, Service Level Agreement and Warranty, clause 3.	The bidder/ vendor must ensure that all installed equipment supplied by them has a minimum uptime of 99.5%, which may be calculated quarterly. In case of any downtime, a penalty of Rs. 500 per day of delay would be charged, and in case of non-deposit of the penalty, the amount shall be deducted from the any dues payable towards the vendor or the Performance Security Deposit may be forfeited.		The bidder/ vendor must ensure that all installed equipment supplied by them has a minimum uptime of 99.5%, which may be calculated quarterly. In case of any downtime, a penalty of Rs. 500 per day of delay would be charged, and in case of non-deposit of the penalty, the amount shall be deducted from the any dues payable towards the vendor or the Performance Security Deposit may be forfeited. This clause is only applicable to non-RMA related downtime. If the bidder has intimated the client about opening a RMA case with the OEM for replacement of faulty hardware, this penalty will not be applicable.			Please refer to Annexure - V
							Notice Inviting Tender, Page No. 26, Service Level Agreement and Warranty, clause 4.	The faulty material must be replaced within 48 hours of the complaint being raised. In case the bidder fails to replace the part on time, a penalty of Rs. 500 per day of delay would be charged, and in case of non-deposit of the penalty, the amount shall be deducted from the any dues payable towards the vendor or the Performance Security Deposit may be forfeited.		Existing clause should be removed because replacement of faulty hardware depends on external criteria such as OEM supply issues, delivery delays etc.			Please comply

| | | | | | | Notice Inviting Tender, Page No. 27, Service Level Agreement and Warranty, clauses 14 & 15. | The bidder/Vendor must visit and make a site survey and check the compatibility of their proposed solution with the existing network.

The vendor/bidder must provide their requirements based on the site survey in writing. To integrate the proposed solution of the vendor/bidder, they must request the information about existing network infrastructure required by them to integrate. IISER Mohali reserve right not to publish sensitive information asked in this questionnaires, however vendor/bidder must justify whey they required such information. | | Kindly provide clarity on the current networking infra deployed on campus so that we may design the solution with integration with the current infra in mind. | | | | Please refer to Annexure - V |

					Notice Inviting Tender, Page No. 28, Eligibility Criteria for Bidder, clause 3	Works Experience: The bidder must have completed similar campus/building networking works in IISERs, IITs, NITs, any other INIs or Government academic Institutes/Universities during the last five years. The bidder must have successfully completed similar work during the last five years ending on the last day of month to the one in which tender is floated a) Three similar completed works each consisting of not less than 40% of switches (innos.) and 40% of ports (in nos.) proposed in the tender; or b) Two similar completed works each consisting of not less than 50% of switches (in nos.) and 50% of ports (in nos.) proposed in the tender; or c) One similar completed works each consisting of not less than 80% of switches (in nos.) and 80% of ports (in nos.) proposed in the tender.	Request you to consider and add experience in the domain of Government Organisation/ State Governments/ PSU's also and change the clause to: Works Experience: The bidder must have completed similar campus/building networking works in IISERs, IITs, NITs, any other INIs or Government academic Institutes/Universities/ **Government Organisation/ State Governments/ PSU's** during the last five years. The bidder must have successfully completed similar work during the last five years ending on the last day of month to the one in which tender is floated	Please refer to Annexure - V

							Notice Inviting Tender, Page No. 28, Eligibility Criteria for Bidder, clause 4	At least one of the above orders should be with the OEM of the active component, which bidder is quoting in this tender		Request you to remove this clause, and consider experience of similar nature of any of the OEM of Active component.			Please comply
							Notice Inviting Tender, Page No. 28, Essential Criteria for Bidder, clause 3	a) Three similar completed works each consisting of not less than 40% of switches (innos.) and 40% of ports (in nos.) proposed in the tender; or b) Two similar completed works each consisting of not less than 50% of switches (in nos.) and 50% of ports (in nos.) proposed in the tender; or c) One similar completed works each consisting of not less than 80% of switches (in nos.) and 80% of ports (in nos.) proposed in the tender.		Kindly clarify whether the ports being asked for are active switch ports or if they can include passive ports such as LIU, I/O etc.			Please comply; the ports refers to all ethernet wall sockets/ports.

2	M/s Owen Stevens, 3C3 India Private Ltd., (Member of TIA and BICSI) E-mail: owenstevens@3c3.in pooja.kaira@3c3.in	Achint Chopra Pooja Kaira	9818963333	10.09.2024		Page No. 29 of 32	5. For Cat 6 U/UTP cables, performance should be maintained even when termination is within **15** meters, thus ensuring the elimination of short resonance for 4-connector channels. UL/ETL reports for 4 Connectors need to be submitted.		5. For Cat 6 U/UTP cables, performance should be maintained even when termination is within **100** meters, **in a** 4-connector channels. UL/ETL reports for 4 Connectors need to be submitted.	As per ANSI/TIA and ISO/IEC Standards the Channel length that should not exceed more than 100 Mtrs and in a Campus network the average link length is more than 35 mtrs. Therefore we request the technical committee either to increase to the average length of 35 Mtrs. Or maximum of 100 Mtrs.	please comply
						Page No. 29 of 32	7. The Cat 6 U/UTP cable should comply with IEC60332-**3-22**, IEC 61034-1 and -2, IEC 60754-1 and -2, UL 94, EN 50575 features for environment safety.		7. The Cat 6 U/UTP cable should comply with IEC60332-**1**, IEC 61034-1 and -2, IEC 60754-1 and -2, UL 94, EN 50575 features for environment safety.	Please note that IEC 60332-3-22 is a methods of test for the assessment of vertical flame spread of vertically mounted bunched wires or cables for a height of 8.2 feet or 2.5 mtrs. However, most of the CAT6 cables shall be installed in single cable per workstation in a Horizontal manner, request the technical committee to same and amend the specification as even the height of an 42U Rack is around 6 feet.	please comply
3	M/s Netgear	Pawan Sharma	Attended Offline	11.09.2024			**Core switch** 1- Please change 24 x 10G with 4x40G to 48 x 10G with 8 x 40G/100 from day-1 , because it is core switch and it should have more port & switching capacity from distribution switch.				Please refer to Annexure - V

S.No	Bidder	Rep.	Attended	Date		Page	Clause	Clause / Remarks	Tender Condition		Comment		Response
								Distribution switch- Please change 4 GB Flash to 512MB NAND flash memory.					Please refer to Annexure - V
								Access Switch- Please change 1 GB RAM and 2 GB Flash (as it is OEM specific) to 1GB RAM , 256MB NAND flash.					Please refer to Annexure - V
								Also add below ATC in tender for the switches. 1. Lifetime warranty on switches with free of cost pickup of faulty product & delivery of new product. 2. New seal pack replacement under warranty, no repaired no refurbished product will be entertained under warranty.					Please comply
4	M/s Molex	A. Kashyap	Attended Offline	11.09.2024		28	8		The Bidder should be **ISO 9001 or 27001 Certified**. Bidder to submit copies of valid ISO Certificate along with the bid.		No Details on OEM Eligibility criteria for ISO 27001 at OEM ISO's.		Please comply to the tender.

							29	1	The passive components' OEM must be **ISO 9001 and ISO 14000 certified**. The material must have been manufactured in the OEM's own manufacturing facilities and not outsourced.	The passive components' OEM must be **ISO 9001, ISO 14000, ISO 27001 and ISO 45001 certified**. The material must have been manufactured in the OEM's own manufacturing facilities and not outsourced.	Please add ISO 45001-occupational health and safety management systems, ISO 27001- information security management systems.		Please refer to Annexure - V
							29	2	The OEM of passive components quoted by the bidder should have a presence in India for at least **five years**, ending on the previous day of the last day of submission of the tender. Supporting documents must be attached. The OEM should also have at least one manufacturing plant in India to comply with the Make in India initiative.	The OEM of passive components quoted by the bidder should have a presence in India for at least **15 years**, ending on the previous day of the last day of submission of the tender. Supporting documents must be attached. The OEM should also have at least one manufacturing plant in India to comply with the Make in India initiative.	As we are looking for 20-year Performance warranty. OEM presense in India proof the stability & relaibility for a brand.		Please comply to the tender.

							29	4	**All fiber cables** should be bent compliant with ITU-T **G.657.A1**, OS2.	**All fiber cables, Patch cords, Pigtails and connectors** should be bent compliant with **ITU-T G.657.A2**, OS2.	Please also add Armoured, Anti Rodent and ITU-T G.657.A2 is latest standards.		Please refer to Annexure - V
							29	5	For Cat 6 U/UTP cables, performance should be maintained even when termination is within 15 meters, thus ensuring the elimination of short resonance for 4-connector channels. **UL/ETL reports** for 4 Connectors need to be submitted.	UL/ETL/ **ISO 17025** reports for 4 Connectors need to be submitted.	ETL(Intertek)/UL/GHMT or any other agency authorized by Government of India. Under ISO 17025.		please comply to the tender.
							29	7	The Cat 6 U/UTP cable should comply with **IEC 60332-3-22**, IEC 61034-1 and - 2,IEC 60754-1 and - 2, UL 94, EN 50575 features for environment safety..	The Cat 6 U/UTP cable should comply with **IEC 60332-1/IEC 60332-3-2**, IEC 61034-1 and - 2,IEC 60754-1 and -2, UL 94, EN 50575 features for environment safety..	IEC 60332-1 (individually flame tested)/ IEC 60332-3-2 (bunch tested for flame) .		please comply to the tender.

| | | | | | | | 29 | 10 | Vendor/bidder should bring the sample of passive components and test reports (from any testing software/device) for evaluation by the technical evaluation committee. | Vendor/bidder should bring the sample of passive components and test reports (**from ETL (Intertek)/UL/GHMT or any other agency authorized by Government of India.**) for evaluation by the technical evaluation committee. | Please mention ETL(Intertek)/UL/GHMT or any other agency authorized by Government of India. | | please comply to the tender. |
| | | | | | | | 31 | d | Component Warranty: All Active and Passive components supplied by the bidder should carry a comprehensive warranty for a period of 5 years except fibre optics which should have a warranty of at least 20 years. The bidder should put in place preventative measures to protect the cables. If the copper cable is damaged by rats within the warranty period, the bidder will be responsible | **It should be Performance Warranty at least 20 years for all passive components of copper and fiber optics components.** | It is generic for all OEM's. | | please comply to the tender. |

										for laying a new cable free of cost. The material will be provided by IISER Mohali.				
										OEM should be a member of TIA/EIA & BICSI (Proof must be available on public platform). **Please add**	**TIA-Telecommunications Industry Association, EIA-Electronics Industries Alliance, BICSI-Building Industry Consulting Service International.**		please comply to the tender.
										Quoted product part numbers must be available on OEM's official website. **Please add**	**For Product Authenticity.**		please comply to the tender.
										All the passive components used must be RoHS verified. **Please add**	**For Generic & Maximum Participation.**		please comply to the tender.

5	M/s Takyon Networks Limited E-mail: puneet.sharma@takyon.co.in	Puneet Sharma	9560508455	10.09.2024	3. Ernest Money Deposit	2	d		MSMEs in India registered with appropriate authority as per latest notification shall be exempted from EMD payment provided they are registered for the item being quoted. Micro & MSME/NSIC and Firms registered and the firms registered with concerned Ministries/ Departments, the bidders are exempted from payment of Tender Fee/EMD as per GOI notifications/GFR (2017) and Ministry of Finance OM No. F.9/4/2020-PPD dated 12 November 2020, are required to furnish Appendix II	Startups registred with Department for Promotion of Industry and Internal Trade (DPIIT), Ministry of Commerce & Industry are exempted from paying EMD and tender fees. Kindly confirm		Start-ups as recognized by Department for promotion of Industry and Internal Trade(DPIIT), holding valid startup recognition certificate which is to be uploaded while bidding and claiming EMD exemption.
					i) Laying Down Fibre Cables and Core Infrastructure	16	b) Core switch (CS)		It should provide 6 links to each hostel. It must support the connectivity to the already existing core switches	We belive this clause should be under laying of fiber and it should be 6 cores instead of 6 links. Also as per solution 8 cores are required in each hostel. Therefore 48*2 core fibres is required. Please amend accordingly.		Please refer to Annexure - V

						Passive components for CS and OFC Laying CC to Hostel	18		5		Compatible LIU LC-to-LC, all weather outdoor box, to be installed as a junction box for 24 fibres	Junction box is required instead of LIU , LIU are required at each hostels.Please amend the clause accordingly.		Please refer to Annexure - V
						2.1 Passive components for wired network (x 2 means for two hostels)	19		4		14 U Rack with Accessories	Two DS, Two AS, LIU, Patch Panel require more space. We recommend to have 24U rack . Please amend the clause to 24 U Rack with Accessories		Two more 12U rack should be added. While filling BoQ 1.8, vendor must fill 2x7 quantities for 12U racks. And for two additional 12U racks, vendors should use Item no 3.2 of the BoQ
						2.3 Passive Component for wired network	21		6		Jack panels with matching numbers of ports for each Distribution switch. (2 for each hostel)	Since the connectivity from DS to AS is on fibre , jack panel is not required. Also LIU for fiber termination at DS and AS both, and fiber for connectivity between DS to AS is not given in BOM. Please amend accordingly		Please refer to Annexure - V

					SERVICE LEVEL AGREEMENT AND WARRANTY	26		3		The bidder/ vendor must ensure that all installed equipment supplied by them has a minimum uptime of 99.5%, which may be calculated quarterly. In case of any downtime, a penalty of Rs. 500 per day of delay would be charged, and in case of non-deposit of the penalty, the amount shall be deducted from the any dues payable towards the vendor or the Performance Security Deposit may be forfeited	%age uptime can be provided in solution not to particular equipment. 99.5% can be provided at DS and CS switches which are in HA. Downtime will be calculated once both the switches are down. Please amend the clause accordingly		Please refer to Annexure - V

| | | | | | Eligibility Criteria for bidder | 28 | | 4 | | At least one of the above orders should be with the OEM of the active component, which bidder is quoting in this tender. | We request you to kindly amend the clause to "The bidder should have prior experience in supply, installation, integration, commissioning, and management of networking projects in Govt department of quoted OEM of active components. Certified copies of PO and Successful Work Completion certificates clearly state the completed work to be submitted as proof"

Three similar completed works each consisting of not less than 40% of switches (in nos.) ; or
b) Two similar completed works each consisting of not less than 50% of switches (in nos.) ; or
c) One similar completed works each consisting of not less than 80% of switches (in nos.) | | Please comply and please refer to Annexure - V |

						Eligibility Criteria for OEM (Active component)	29		1		Proposed Products (software, firmware, and hardware) must have a comprehensive OEM onsite warranty pack for 5 years on all quoted hardware and software with 24*7*365 TAC support and **NDB** hardware replacement from the date of installation	Please amend this clause "Proposed Products (software, firmware, and hardware) must have a comprehensive OEM onsite warranty pack for 5 years on all quoted hardware and software with 24*7*365 TAC support and **NBD advance** hardware replacement from the date of installation"		Please refer to Annexure - V

						Other Terms & Conditions	30	7) Site Personnel		The bidder shall depute one Site Engineer or Site Supervisor on their payroll. The Site Engineer/Site Supervisor should be OEM certified and have a minimum of 5 years of experience in **passive networking**. They shall remain present at the site from the start of the project until the completion certificate is issued. If the Site Engineer or Supervisor is absent, recovery shall be made from the bidder at the rate of Rs. 500/- per day/per person. The bidder shall provide the details of the Site Engineer/Supervisor, including their names, qualifications, and experience, along with the bid. The attendance of these personnel shall be recorded at IISER Mohali.	Please amend the clause to The bidder shall depute one Site Engineer or Site Supervisor on their payroll. The Site Engineer/Site Supervisor should be OEM certified and have a minimum of 5 years of experience in **networking projects.** They shall remain present at the site from the start of the project until the completion certificate is issued. If the Site Engineer or Supervisor is absent, recovery shall be made from the bidder at the rate of Rs. 500/- per day/per person. The bidder shall provide the details of the Site Engineer/Supervisor, including their names, qualifications, and experience, along with the bid. The attendance of these personnel shall be recorded at IISER Mohali.		Please refer to Annexure - V

| | | | | | DELIVERY, INSTALLATION SCHEDULE AND PENALTIES | 31 | e) Warranty Terms | | The starting date of the warranty will be from the actual completion of work or handing over whichever is later. The complaints under warranty should be resolved within 48 hours (including public holidays) of notification. A penalty of Rs. 1000 per day will be charged. The bidder must rectify defects without any charges within the warranty period. In case of physical damage, fire, or any other reasons, the warranty is void. The bidder will rectify the fault as per the rate quoted on the tender. IISER Mohali will not pay any amount for fault detection. | Warranty and penalty already covered in SERVICE LEVEL AGREEMENT AND WARRANTY in point no 2 & 4, These is repeated clause and contradicting to Point no 2 & 4. Please delete the same. | | Please refer to Annexure - V |

| | | | | | General | General | General | | Please add clause "Switch should be TEC certified" | Department of Telecommunications, Ministry of Communications has notified "Indian Telegraph (Amendment) Rules" in Gazette of India vide G.S.R. 1131(E) PART XI on 5th September 2017 which prescribes for Mandatory Testing and Certification of Telecommunication Equipment. Mandatory date of certification of LAN switches under MTCTE was 1st August, 2024. Please refer link https://www.mtcte.tec.gov.in/ | | please comply |

| | | | | | General | General | General | | Switch / Switch's Operating System should be tested for IC3S/NDPP under Common Criteria Certification. | The purpose of the Common Criteria Certification is to evaluate and certify IT Security Products and Protection Profiles (PP) against the requirements of Common Criteria Standards.

The CC program evaluates products and their operating systems for security-related functions like cryptography, access control, and authentication.

Please refer https://www.stqc.gov.in/common-criteria-certification-0#:~:text=Certification%20Process-,Benefits%20of%20Certification,Consumers%20of%20IT%20Security%20products | | please comply |

					General	General	General		Please add clause "Switch shall comply with Telecommunication Engineering Centre "TEC EMI EMC Standard EN/IEC:61000-4-5"	IEC 61000-4-5 is a standard that evaluates the ability of electrical and electronic equipment to resist surge interference. It's part of the IEC 61000 series, which describes surge immunity testing for over-voltages caused by lightning and switching transients. Please refer https://tec.gov.in/public/pdf/ERs/L3S.pdf		please comply
6	M/s Norden Communication	Chand an Aggar wal	Attended Offline	11.09.2 024		Eligibili ty Criteria for Passive Compo nent	Page No 29		1. The passive components' OEM must be ISO 9001 and ISO 14000 certified. The material must have been manufactured in the OEM's own manufacturing facilities and not outsourced.	1. The passive components' OEM must be ISO 9001 , ISO 14001, ISO 27001, ISO 45001 certified. The material must have been manufactured in the OEM's own manufacturing facilities and not outsourced.		Please refer to Annexure - V

| | | | | | | | Eligibility Criteria for Passive Component | Page No 29 | | 2. The OEM of passive components quoted by the bidder should have a presence in India for at least five years, ending on the previous day of the last day of submission of the tender. Supporting documents must be attached. The OEM should also have at least one manufacturing plant in India to comply with the Make in India initiative. | 2. The OEM of passive components quoted by the bidder should have a presence in India for at least five years, ending on the previous day of the last day of submission of the tender. Supporting documents (Letter of Incorporation)must be attached.

We M/s Norden Communication are UK Based OEM with our facilities in UK. We can provide MII content as we have our own R&D Center and we bring certain products in CKD format. Also we meet all govt. guidelines , GFR 2017 Gudelines including land border policy. MII Policy is a preference and not a mandate. So kindly remove this clause as it is restrictive for many OEMs. | | The MII clause has been incorporated as per MII Order and compliance as per order has already been requested. |

						Eligibility Criteria for Passive Component	Page No 29		6. The Cat 6 U/UTP cable should be ETL verified, and all passive components should comply with the RoHS standard. The declaration of RoHS compliance should be mentioned on the datasheets of each Passive Component.	6. The Cat 6 U/UTP cable should be ETL verified, and all passive components should comply with the RoHS standard. The declaration of RoHS compliance should be mentioned on the datasheets/OEM Letterhead/Standard Certificate or OEM Declaration of each Passive Component.		Please comply
						Eligibility Criteria for Passive Component	Page No 29		7. The Cat 6 U/UTP cable should comply with IEC60332-3-22, IEC 61034-1 and -2, IEC 60754-1 and -2, UL 94, EN 50575 features for environment safety.	7. The Cat 6 U/UTP cable should comply with IEC60332-1/3, IEC 61034-1 and -2, IEC 60754-1/2, UL/ETL, EN 50575 features for environment safety. As per Industry Standards.		please comply

						ii) Wired Network:	Page No 16		b. Access switch (AS): as per the list mentioned. The connectivity from DS to AS in hostel could be done through fibre connectivity. The vendors must provide compatible connectors, cables, and switch types, as well as with the devices already specified in the tender.	b. Access switch (AS): as per the list mentioned. The connectivity from DS to AS in hostel should be done through fibre connectivity in ring topology with 6 core OFC and required LIUs . The vendors must provide compatible connectors, cables, and switch types, as well as with the devices already specified in the tender. As Discussed during the Prebid.		Please refer to Annexure - V
7	M/s Juniper Networks Solution India Pvt Ltd. Address - 2A, (6th Floor) , DLF Centre, Sansad Marg, Connaught Place, New Delhi – 110001, India Email: ssanjay@juniper.net	Sanjay Singh	886054243 6	11.09.2 024		18	1.2.1 Core Switch specifications 1a		The Switch will be populated with: 24 x 10G or more connectivity for uplink to DS in hostels (the vendor must check the distance of fibre for this connectivity) 4 x 40G or more connectivity to main Core Switch Should support virtual /	Kindly Change as "The Switch should have: 24 x 10G or more connectivity for downlink to DS in hostels via 10G Single mode fiber and 2 x 40G/100G connectivity to main Core Switch. The Switch should support virtual/physical chassis functionality for integration with multiple switches and thus the vendor must provide appropriate ports and required hardware/licenses or/and accessories to support these features. The switch should have ports to support at least 200 Gbps of Stacking/VC bandwidth. It will be in the scope of the vendor to stack the switches.	The suggestion is to upgrade the switch slightly. By choosing 2 numbers 40G/100G, IISER will be ensuring the investment protection as today the connectivity will be at 40G and later if needed the connectivity can be upgraded to 100G as well. Also earlier the stacking asked was via 2 ports of 40G giving 160Gbps of Stacking/VC capabilities but now the stacking/VC can be on 200Gbps.		Please refer to Annexure - V

										physical chassis functionality for integration with multiple switches OR The switch should at least support stackable features, thus the vendor must provide appropriate ports and required hardware/items to support these features and it will be in the scope of the vendor to stack the switches.				
							19	1.2.1 Core Switch specifications 1e	Should have minimum of 4 GB Flash or more	Kindly change as "Switch should have 4 GB RAM and 16 GB Flash."	From the perspective of Core Switch the flash asked is very low.			Please refer to Annexure - V

								19	1.2.1 Core Switch specifications 1i	Vendors must ensure the integrity of data, licenses, software, firmware. In case of failure of any such components (data, licenses, software, firmware) or resulting in nonfunctioning of the switch, the vendor must solve the problem within time mentioned in the T&C.	The switch should support " Static Routing, OSPFv2 and OSPFv3, RipNG, VRRP and VRRPv3, IGMP Snooping, IGMP V1, V2 and V3, PIM-SM, PIM-SSM, BFD and PBR(or equivalent) from Day 1 and should be capable to support BGP, IS-IS and EVPN-VXLAN by upgrading using a licenses.	As per the protocols asked, there may not be any license required, so it was suggested that IISER should rephrase the first line of this clause. It is also suggeted to ask certain protocols of L3 Routing so that this switch actually looks like a core switch. Currently this will only be running L2 protocols.		Please refer to Annexure - V
								19	1.2.1 Core Switch specifications General Clause		The Switch should support 100K MAC, 4K VLAN, Jumbo Frams of 9k, 80K IPv4 Routes, 40K IPv6 routes and 20K Multicast routes for IPv4 and IPv6.	Scaling parametres are required to make sure the Core switch works as per requirement and should be high performance.		Please refer to Annexure - V
								19	1.2.1 Core Switch specifications General Clause		The Switch/Switch OS should be certified for Common Criteria Certificate or equivalent (The permissible certificates are NDPP, NDcPP, EAL3)	This makes sure that the material received is checked for quality		Please comply
								19	1.2.1 Core Switch specifications General Clause		The Switch OEM should be in Gartner's Leader Quadrant since last 3 years	This make sure leading OEM participates.		Please comply

| | | | | | | 19 | 2.2.1 Distribution Switch 1a | Switch should have at least 24 x 10Gbps SFP+ ports. This is to provide connectivity from DS-to-AS Each DS must have appropriate uplinks ports to connect CS over 10G fibre connectivity from DS-to-CS uplink . DS in each hostel should be configured in HA mode, thus the vendor must ensure all required items/software for the same. | Kindly change as "Switch should have at least 24 x 10Gbps SFP+ ports. This is to provide connectivity from DS-to-AS Each DS must have appropriate uplinks ports to connect CS over 10G fibre connectivity from DS-to-CS uplink via Single Mode Fiber. DS in each hostel should be configured in HA mode, thus the vendor must ensure all required items/software for the same." | Slight change in Fiber type to create clarity. | | Please refer to Annexure - V |
| | | | | | | 20 | 2.2.1 Distribution Switch 1c | Switch shall have at least 4 GB flash memory. | Kindly change as "Switch should have 4 GB RAM and 16 GB Flash." | From the perspective of Distribution Switch the flash asked is very low. | | Please refer to Annexure - V |

							20	2.2.1 Distribution Switch 2e	Vendors must ensure the integrity of data, licenses, software, firmware. In case of failure of any such components (data, licenses, software, firmware) or resulting in nonfunctioning of the switch, the vendor must solve the problem within time mentioned in the T&C.	The switch should support " Static Routing, OSPFv2 and OSPFv3, RipNG, VRRP and VRRPv3, IGMP Snooping, IGMP V1, V2 and V3, PIM-SM, PIM-SSM, BFD and PBR(or equivalent) from Day 1 and should be capable to support BGP, IS-IS and EVPN-VXLAN by upgrading using a licenses.	As per the protocols asked, there may not be any license required, so it was suggested that IISER should rephrase the first line of this clause. It is also suggeted to ask certain protocols of L3 Routing so that this switch actually looks like a core switch. Currently this will only be running L2 protocols.		Please refer to Annexure - V
							20	2.2.1 Distribution Switch specifications General Clause		The Switch should support 100K MAC, 4K VLAN, Jumbo Frams of 9k, 80K IPv4 Routes, 40K IPv6 routes and 20K Multicast routes for IPv4 and IPv6.	Scaling parametres are required to make sure the Distribution switch works as per requirement and should be high performance.		Please refer to Annexure - V
							20	2.2.1 Distribution Switch specifications General Clause		The Switch/Switch OS should be certified for Common Criteria Certificate or equivalent (The permissible certificates are NDPP, NDcPP, EAL3)	This makes sure that the material received is checked for quality		please comply
							20	2.2.1 Distribution Switch specifications General Clause		The Switch OEM should be in Gartner's Leader Quadrant since last 3 years	This make sure leading OEM participates.		please comply

							20	2.2.2. Access Switch Wired Network (24 port) 1a	Switch should have at least 10/100/1000 BASE-T Ethernet connectivity. This is for the connectivity from AS-to-outlets. Each AS should have at least 2 x 10Gbps uplink fibre ports to connect both DS over 10Gbps fibre connectivity.	Kindly change as "Switch should have at least 10/100/1000 BASE-T Ethernet connectivity. This is for the connectivity from AS-to-outlets. Each AS should have at least 2 x 10Gbps uplink fibre ports to connect both DS over 10Gbps fibre connectivity via Multimode Fiber."	Slight change in Fiber type to create clarity.		Please refer to Annexure - V
							20	2.2.2. Access Switch Wired Network (24 port) 1b	Switch should have minimum of 1 GB RAM and 2 GB Flash.	Kindly Change as "Switch should have minimum of 2 GB RAM and 4 GB Flash.	From the perspective of Access Switch the flash asked is very low.		Please refer to Annexure - V
							21	2.2.3. Access Switch Wired Network (48 port) 1a	Switch should have at least 10/100/1000 BASE-T Ethernet connectivity. This is for the connectivity from AS-to-outlets. Each AS should have at least 2 x 10Gbps uplink fibre ports to connect both DS over 10Gbps fibre	Kindly change as "Switch should have at least 10/100/1000 BASE-T Ethernet connectivity. This is for the connectivity from AS-to-outlets. Each AS should have at least 2 x 10Gbps uplink fibre ports to connect both DS over 10Gbps fibre connectivity via Multimode Fiber."	Slight change in Fiber type to create clarity.		Please refer to Annexure - V

									connectivity.		
							21	2.2.3. Access Switch Wired Network (48 port) 1b	Switch should have minimum of 1 GB RAM and 2 GB Flash.	Kindly Change as "Switch should have minimum of 2 GB RAM and 4 GB Flash.	From the perspective of Access Switch the flash asked is very low.		Please refer to Annexure - V
							20/21	2.2.2 and 2.2.3. Access Switch Wired Network General Clause		No Scale given for the Access Switches. Redundant power supply should be asked. The scale to be asked must be like : MAC address support of 64K, 4K VLAN, 32K IPv4 and 16K IPv6 routes and 8K Multicast routes for IPv4 and IPv6	Scaling parametres are required to make sure the Access switch works as per requirement and should be high performance.		please comply
							20/21	2.2.2 and 2.2.3. Access Switch Wired Network General Clause		The Switch/Switch OS should be certified for Common Criteria Certificate or equivalent (The permissible certificates are NDPP, NDcPP, EAL3)	This makes sure that the material received is checked for quality		Please comply
							20/21	2.2.2 and 2.2.3. Access Switch Wired Network General Clause		The Switch OEM should be in Gartner's Leader Quadrant since last 3 years	This make sure leading OEM participates.		Please comply

| 8 | M/s Quantum Network | Yogesh Sharma | Attended Offline | 12.09.2024 | | 18 | 1.2.1 Core Switch specifications | 1. a. The Switch will be populated with: 24 x 10G or more connectivity for uplink to DS in hostels (the vendor must check the distance of fibre for this connectivity) 4 x 40G or more connectivity to main Core Switch Should support virtual / physical chassis functionality for integration with multiple switches OR The switch should at least support stackable features, thus the vendor must provide appropriate ports and required hardware/items to support these features and it will be in the scope | Please confirm whether the term 'Populated' refers to Transceivers or Ports. | | | Please refer to Annexure - V |

									of the vendor to stack the switches.				
							19	1.2.1 Core Switch specifications	1. e. Should have minimum of 4 GB Flash or more.	Requesting an amendment to 512 MB of Flash storage, as it is used to store the specific OEM OS. It is sufficient for smooth performance and necessary features.				Please refer to Annexure - V
							20	2.2.1 Distribution Switch:	1. c. Switch shall have at least 4 GB flash memory.	Requesting an amendment to 512 MB of Flash storage, as it is used to store the specific OEM OS. It is sufficient for smooth performance and necessary features.				Please refer to Annexure - V

							20	2.2.2. Access Switch Wired Network (24 port)	1. b. Switch should have minimum of 1 GB RAM and 2 GB Flash.	Requesting an amendment to 512 MB of Flash storage, as it is used to store the specific OEM OS. It is sufficient for smooth performance and necessary features.			Please refer to Annexure - V
							21	2.2.3. Access Switch Wired Network (48 port)	1. b. Switch should have minimum of 1 GB RAM and 2 GB Flash.	Requesting an amendment to 512 MB of Flash storage, as it is used to store the specific OEM OS. It is sufficient for smooth performance and necessary features.			Please refer to Annexure - V
							29	Eligibility Criteria for OEM (Active component):	5. Additional	As per DPIIT guideline "No. P-45021/2/2017-PP/BE-II-Part(4)/Vol.II" dated 19-07-2024, procurement through a Class-1 OEM is mandatory. Therefore, we request to add the clause: "The OEM should fall under the Class-1 category of Make in India with a minimum of 60% local content."			Please comply
							29	Eligibility Criteria for OEM (Active component):	6. Additional	As per DoT guideline "No. 18-10/2017-IP" dated 29-08-2018, point no. 9 and 10, it is mandatory to have a certificate from an Indian body like MTCTE/TEC/BIS. Therefore, we request to add the clause: "All the switches should be MTCTE/TEC and BIS certified."			Please comply