भारतीय प्रबंध संस्थान रायपुर
INDIAN INSTITUTE OF MANAGEMENT
RAIPUR

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Corrigendum-2

REPLY OF PRE-BID QUERIES

With reference to the notice inviting tender published on CPP portal (https://eprocure.gov.in) and the tender section of IIM Raipur website (https://www.iimraipur.ac.in) for "Up-gradation of Campus Wide Network at IIM, Raipur" vide Tender No. IIMR/Tender/2024-25/06/01 dated 07.06.2024, the following corrigendum is made: -

Sr. No	Particulars	As per original tender	Remark/Amendment as
1.	Reply of Pre-bid Queries	-	Replies of Pre-bid queries are enclosed as "Annexure A"
2.	Last date for the submission of bid	28.06.2024 @ 03:30 PM	08.07.2024 @ 03:30 PM
3.	Bid Opening Date	01.07.2024 @ 03:30 PM	09.07.2024 @ 03:30 PM

Note: - This Pre-bid clarification will form part of the tender document. Rates shall be quoted after taking into consideration the above modifications.

Chief Administrative Officer

Response to the Pre-bid Queries received against the Tender enquiry till 14.06.2024 (as per the Tender Document)
IIMR/Tender/2024-25/06 dated 04.06.2024
"RFP for up-gradation of Campus Wide Network at IIM, Raipur"

S.No	Page no.	Tender Section	Clause as per RFP	Change Request	Response to Pre-Bid Query/Revised Clause
PASSIVE COMPONENTS					
1	11	3.2 a. OEM Criteria for Passive Components:	1. Passive OEM offered must be present in India for at-least 15 years or more.	Please confirm how the OEM's presence would be evaluated. Does the OEM need to direct and registered presence for 15 years, or presence through any partner/distributor is also acceptable.	OEM needs to have a direct registered presence In India (Certificate of Incorporation to be shared along with bid) for 15 Years.
2	11	3.2 a. OEM Criteria for Passive Components:	2. OEM should have members participating in Telecommunications Industry Association committee with presence in all of the Telecommunication subcommittees of the following: TIA TR-42.1 Subcommittee on Commercial Building Telecommunications Cabling TIA TR-42.5 Infrastructure Terms Subcommittee TIA TR-42.10 Sustainable Information Communications Technology Subcommittee	Request to delete this clause, since the sub-committee membership keeps on changing at frequent intervals, and all active TIA committee members are appointed as sub-committee members. Hence this could be misleading based on the date of report submitted. We request to only consder the TIA committee membership as per clause 3.	Clause stands deleted
3	11	3.2 a. OEM Criteria for Passive Components:	OEM Should be ISO certified organization	Please confirm if OEM need to have ISO certified manufacturing facility in India. This point should be considered since it establishes the OEM's strength and support capabilities in India. Moreover, it also helps in achieving the local content % requirement.	OEM needs to have a ISO 9001, ISO 45001 and ISO 14001 Certified Manufacturing Facility in India.
4	56	6.2.3 Cat6A Unshielded Modular Jack	IEEE 802.3bt type 3 and 4 (up to 100W); UPOE (up to 60W) and Power over HDBase-T (up to 100W)	Please review and amend the higher limit to 90W in place of 100W, since as per IEEE 802.3bt type 4 standard, only 90W is specified. Moreover, there is no practical application / equipment available for 100W PoE transmission.	Quote as per RFP
5	56	6.2.3 Cat6A Unshielded Modular Jack	UL2043 Air Handling Spaces	Request to delete this clause, since the plenum rating as per UL 2043 is not applicable for jacks. This could be a OEM specific feature hence request for deletion.	Clause stands deleted
6	56	6.2.3 Cat6A Unshielded Modular Jack	Operating Temperature -40° to 70°C	Request to amend this clause as -10 to +60 Deg C. the given temperature is not applicable for any CAT6A UTP Modular jack and no way applicable for the project as well. To meet this temp range special material /enclosures may be required, which is beyond the scope of this tender specification. This cluase could be OEM specific and hence requesting to be deleted.	Operating Temperature -10° to 60°C
7	57	6.2.4 Cat 6A Unshielded Patch Cords, LSZH, ETL Tested	Stranded copper ETP, 7/26AWG	Request to consider Solid cordage with min 24 AWG copper conductors. 26 AWG stranded cordage would incurr too much loss in the channel and strongly not recommended for CAT6A networks. Even CAT6 patch cords use 24 AWG cordage. Considering that patch cords are the weakest link of any twisted pair channel, for optimum performance on CAT6A networks 24 AWG solid cordage patch cords should be used.	Quote as per RFP
8	57	6.2.4 Cat 6A Unshielded Patch Cords, LSZH, ETL Tested	OD: 6.1 ± 0.3 mm	The given OD is applicable for CAT6 patch cords. Since CAT6A cables use better insulation and pair separation by design, CAT6A cables / cords should have OD around 7.2 +/-0.3mm. Please review and amend this.	Quote as per RFP
9	59	6.2.6 24 Port CAT 6A Patch Panel	Cable Management (Front side): 6 Port Removable angled inserts with ability to flip left or right as per requirements	Request to delete this OEM product specific feature. All OEM's support either straight or angled panels. 'Flip' feature is OEM specific.	Quote as per RFP or Angled Panel
10	59	6.2.6 24 Port CAT 6A Patch Panel	UL2043 Air Handling Spaces	Request to delete this clause, since the plenum rating as per UL 2043 is not applicable for jacks / panels. This could be a OEM specific feature hence request for deletion.	Clause stands deleted

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11	60	6.2.7 6/12/24 Core Singlemode (9/125μm) G657-A1 Bend Insensitive Fibre optic Cable	Central tube, jelly filled (non-dripping and silicon-free).	Assuming the given fiber cable spec is common for both the 6 and 24 fiber variants as per BOQ to be used for indoor and outdoor, there is some confusion in the specification. Firstly, 24 fiber cables comes in stranded loose tube design and not in Central tube construction. Moreover, since the fiber cables would be installed both in indoor and outdoor environments, Gel filled cables are NOT suitable, specially for indoor riser shaft installation. Hence we request to amend this to Gel free fiber cables as commonly used in educational campuses. Its our humble request to review the fiber cable specs on these points and publish amended specification.	Quote as per below specification:- 6 and 24 Core, Central Loose Tube, Jelly Filled, Armored Outdoor HDPE Jacket with 2 Steel Wire Embedded in Sheath. Fiber Color Code as per TIA Standard Short Term Tensile Rating >= 2000N, Long Term Tensile Rating >= 600N. Cable Diameter <= 9.5mm. Attenuation <= 0.36dB@1310nm and <= 0.22dB @1550nm. Max Dispersion @ 1285nm to 1330nm <= 3 .5 ps/(nm · km), Dispersion @ 1550 nm: ≤ 18 (ps/ (nm-km), Max. PMD: ≤ 0.2 ps/ √km. Bend Insensitive Optical Properties to be read as : 1. Change in attenuation when fiber is coiled with 1 turn around 20 mm diameter mandrel 0. 75 dB @ 1550 nm 1.5 dB @ 1625 nm 2. Change in attenuation when fiber is coiled with 10 turns around 30 mm diameter mandrel 0.25 dB @ 1550 nm 1.0 dB @ 1625 nm Rest all specification as per RFP.
12	60	6.2.7 6/12/24 Core Singlemode (9/125μm) G657-A1 Bend Insensitive Fibre optic Cable	1625 Wavelength (nm): 0.20 / 0.24 Attenuation typical/ max. (dB/km)	Request to delete the attenuation at 1625nm, since there is no practical application at this wavelength. What is more relevant and important evaluation parameter for Low Loss Singlemode fibers is the attenuation limit at 1385nm. Please consider the Attenuation @1385nm as <=0.31dB/Km to ensure all bidders quote for Low water peak OS2 grade Singlemode fibers only.	Clause stands deleted
13	60	6.2.7 6/12/24 Core Singlemode (9/125μm) G657-A1 Bend Insensitive Fibre optic Cable	Cable Min. Bend Radius Operation (Long Term): 20 x Cable Diam.	Considering G657A1 bend insensitive fibers as per RFP, the bend radius limits are incorrect. Please consider the bend radius limits as per bend insensitive fiber specification - Cable Min. Bend Radius Operation (Long Term): 15 x Cable Diam.	Quote as per RFP
			Cable Min. Bend Radius Installation (Short Term): 20 x Cable Diam.	Cable Min. Bend Radius Installation (Short Term): 10 x Cable Diam.	Quote as per RFP or better
14	62	6.2.9 Fiber Patch Cords, LC-LC / SC-LC / SC-SC Duplex, Singlemode OS2, 3MT	2.0/3.0mm: 200 N Tensile Strength	The given tensile rating for fiber patch cords seems to be incorrect. Please review and amend this to 150N or better, to avoid any OEM specific values.	For Patch Cords, 100 N Tensile Strength or Better 500 N/100mm Crush Strength or Better For Pigtails, 5 N Tensile Strength or Better 15 N /100mm Crush Strength or Better Rest all specification as per RFP.
15	62	6.2.9 Fiber Patch Cords, LC-LC / SC-LC / SC-SC Duplex, Singlemode OS2, 3MT	Return Loss ≥ 55dB @ 1310nm	Request to amend this as >=50dB @ 1310nm to avoid any OEM specific values.	Quote as per RFP
16	11	3.1 a. OEM Criteria for Passive Components / 3	OEM should be a member of Telecommunications Industry Association (EIA / TIA) Information.	Request you to allow any OEM	Quote as per RFP
ACTIVE COMPONENTS					
1	10	3.1 OEM Criteria for Active Components:	OEM should provide an undertaking that the proposed models are latest and spares support for the models offered will be available for a period of 8 years from the date of bid submission. OEM must have at least 15 spare depot centers in India including one in Raipur so that timely replacement can be done for IIM. OEM to submit undertaking confirming the same and providing list of depot Centres on their letterhead	OEM should provide an undertaking that the proposed models are latest and OEM should provide back to back 5 Year support as per RFP terms and conditions. Bidder should manage necessary spare to meet SLA/Uptime for next 2/3 years as per RFP Guidelines. OEM must have at least 15 spare depot centers in India including one in Raipur so that timely replacement can be done for IIM. OEM to submit undertaking confirming the same and providing list of depot Centres on their letterhead	The Clause may be read as: OEM should provide an undertaking that the proposed models are latest and OEM should provide back to back 5 Year support as per RFP terms and conditions. Bidder should manage neccessary spare to meet SLA/Uptime for next 3 years as per RFP Guidelines. OEM must have at least 15 spare depot centers in India including one in Raipur so that timely replacement can be done for IIM. OEM to submit undertaking confirming the same and providing list of depot Centres on their letterhead
2	44	6.1.12 Access Switch - 24 Ports Multigig PoE – Type II	Switch shall have 24 nos. port supporting 100MB/1G/2.5G/5G/10G.	Need Clarity on Uplink ports as no details are mentioned.	Additional 4 nos. SFP+ uplinks ports loaded with 2 x 10G LR module
3	45	6.1.13 Access Switch - 48 Ports Multigig PoE	Switch shall have 48 nos. port supporting 100MB/1G/2.5G/5G.	Need Clarity on Uplink ports as no details are mentioned.	Additional 4 nos. SFP+ uplinks ports loaded with 2 x 10G LR module
		Additional Points			

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S.No	Page no.	Tender Section	Clause as per RFP	Change Request	Response to Pre-Bid Query/Revised Clause
4	23	5.1 Proposed BOQ of Active Components (for bid evaluation purpose only):	48 ports Layer 2 Non PoE (24-port 1G, 4x 1/10G fixed uplinks)	Specifications are missing for 48 ports Layer 2 Non PoE (24-port 1G, 4x 1/10G fixed uplinks) Please provide calrity if these are same as 48 ports Layer 2 PoE Switch.	Specifications added in Corrigendum
5		Guest User Portal is askes	Guest User Portal is askes	No Specifications are mentioned for guest portal also no quantity in BOQ	Bidder can propose their solution for minimum 3000 Users
6		NGFW	No NGFW is mentioned in the BOQ	Please let us know if NGFW needs to consider.	IIM Raipur already has a Firewall Solution Implemented, hence not required but as per the new LAN scheme the firewall needs to be configured from the scratch by the System Integrator/ Bidder
7	41	6.1.10 Access Switch - 48 Ports PoE	All 24 ports should support PoE (802.3af) and PoE+ (802.3at) with a PoE power budget of 740 W from day 1, Switch should capable to increase power budget upto 1440W with additional Power Supply	All 48 ports should support PoE (802.3af) and PoE+ (802.3at) with a PoE power budget of 740 W from day 1, Switch should be capable to increase power budget upto 1440W with additional Power Supply	To be read as: All 48 port should support PoE (802.3af) and PoE+ (802.3at) with a PoE power budget of 740 W from day 1, Switch should be capable to increase power budget upto 1440W with additional Power Supply
8	27	6.1.1 Wireless Controller	Proposed WLC should be an on premise HW appliance based solution. No VM based solutions are accepted.	Request to amend clause as: Proposed WLC should be an on premise HW appliance based solution. VM based solutions are accepted.

As per latest industry trend, many leading OEMs are using VM based architechture as it more agile and have higher capcity in term of scalability i.e. VM based solution can handle more no. of access points as compared to traditional appliance which has a fixed capacity | No Change : VM based solution is not accepted as it comes with multivendor solution (like Server from different OEM and Virtulization SW from different OEM). All major OEM have HW based solution available. |
| 9 | 27 | 6.1.1 Wireless Controller | Should support coverage hole detection and correction that can be adjusted on a per WLAN basis. | Request to amend clause as: Coverage hole detection & correction can be done on per AP basis.

Coverage hole detection & correction can be done on per AP basis , not on per WLAN basis. This is vendor specific clause. | No Change : Coverage hole detection is required to provide best user experience to the students. |
| 10 | 29 | 6.1.2 WiFi-6 Indoor Access Points Type I | Must have -98 dB or better Receiver Sensitivity. | Request to amend clause as: Must have -97dB or better Receiver Sensitivity | This is the minimum requirement. The bidder can quote with higher specifications |
| 11 | 29 | 6.1.2 WiFi-6 Indoor Access Points Type I | Must support QoS and Video Call Admission Control capabilities | Request to amend clause as: Must support QoS as per 802.11e WMM

Wireless access point works as L2 bridge and adheres to QOS configuration as received from backend network as per 802.11e WMM. | No Change |
| 12 | 30 | 6.1.3 WiFi-6 Indoor Access Points Type II | Access Point shall support Dual 5GHz radios | Request to amend clause as: Access Point shall have dedicated radio/chipset for spectrum monitoring capabilities, WIPS and off channel RRM without compromising and using the client serving radios or bidder shall quote dedicated sensor for WIPS, spectrum monitoring, and off channel RRM.

Clause seems OEM specific as only few foreign OEMs support tri-radio Access points, so request to allow separate dedicated sensor for the asked functionality, enabling participation more OEMs. | Requirement is to have additional radio for continious monitoring for high density areas, bidders are free to propose AP which has dedicated radio /Sensor for spectrum analyzer. |
| 13 | 30 | 6.1.3 WiFi-6 Indoor Access Points Type II | Access Point shall have dedicated radio/chipset for spectrum monitoring capabilities, WIPS and off channel RRM without compromising and using the client serving radios | | |
| 14 | 30 | 6.1.3 WiFi-6 Indoor Access Points Type II | Access Point shall be IoT ready (Zigbee) and container support for IOT applications. | Request to remove clause. | No Change |
| 15 | 30 | 6.1.3 WiFi-6 Indoor Access Points Type II | Must support QoS and Video Call Admission Control capabilities | Request to amend clause as: Must support QoS as per 802.11e WMM

Wireless access point works as L2 bridge and adheres to QOS configuration as received from backend network as per 802.11e WMM. | No Change |
| 16 | 32 | 6.1.3 WiFi-6 Indoor Access Points Type III | Must support QoS and Video Call Admission Control capabilities | Request to amend clause as: Must support QoS as per 802.11e WMM

Wireless access point works as L2 bridge and adheres to QOS configuration as received from backend network as per 802.11e WMM. | No Change |
| 17 | 30 | 6.1.1 Wireless Controller | The solution to support automatic packet capture in the event of a client failure or anomalous events. | Automatic capture is favouring to specific OEM solution. Request to relax this clause | Packet Capture is required to check client failure and packets, However bidder can propose similar functionality if they have. |
| 18 | 4 | 6.1.2 WiFi-6 Indoor Access Points Type I | Access Point shall support hardware driven beamforming | Beamforming is a wireless router technology that provides better WiFi range and performance for your client devices. Hardware driven is specifc to OEM words. Every OEM use beamforming technology to provide better performance. Request to relax specific OEM wording . | Accepted. |

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19	8		Must have atleast 3 dBi Antenna gain on each radios	favouring to specific OEM model /series. Request to relax this clause	The specified Antenna Gain is minimum gain required. The bidder can quote with higher Antenna gain
20	9		Must Support data rate upto 5Gbps.	favouring to specific OEM model /series. Request to relax this clause	Multiple OEMs support the required specifications. No Change
21	10		Must support minimum of 23dbm of transmit power in both 2.4Ghz and 5Ghz radios. Should follow the local regulatory Norms.	favouring to specific OEM model /series. Request to relax this clause	The specified power is the minimum transmit power required. The bidder can quote with higher transmit power
22	16		Should support locally-significant certificates on the APs using a Public Key Infrastructure (PKI).	Favouring to specific OEM features. Every oem has it's own way to design and store the certificate. Request to remove this caluse so other OEM can have fair chance to particiapte	PKI is not OEM specific, all major OEM support "support locally-significant certificates".
23	19		Must be plenum-rated (UL2043).	favouring to specific OEM model /series. Request to remove this clause to support other OEM AP	Multiple OEMs support the required specifications. No Change
24	7	6.1.3 WiFi-6 Indoor Access Points Type II	Access Point shall support hardware driven beamforming	Beamforming is a wireless router technology that provides better WiFi range and performance for your client devices. Hardware driven is specifc to OEM words. Every OEM use beamforming technology to provide better performance. Request to relax specific OEM wording .	Accepted
25	12		Must have atleast 3 dBi Antenna gain on each radios	favouring to specific OEM model /series. Request to relax this clause	The specified Antenna Gain is minimum gain required. The bidder can quote with higher Antenna gain
26	13		Must Support data rate upto 5Gbps.	favouring to specific OEM model /series. Request to relax this clause	Multiple OEMs support the required specifications. No Change
27	14		Must support minimum of 23dbm of transmit power in both 2.4Ghz and 5Ghz radios. Should follow the local regulatory Norms.	favouring to specific OEM model /series. Request to relax this clause	The specified power is the minimum transmit power required. The bidder can quote with higher transmit power
28	20		Should support locally-significant certificates on the APs using a Public Key Infrastructure (PKI).	Favouring to specific OEM features. Every oem has it's own way to design and store the certificate. Request to remove this caluse so other OEM can have fair chance to particiapte	PKI is not OEM specific, all major OEM support "support locally-significant certificates".
29	24		Must be plenum-rated (UL2043).	favouring to specific OEM model /series. Request to remove this clause to support other OEM AP	Multiple OEMs support the required specifications. No Change
30	13	6.1.4 WiFi-6 Indoor Access Points Type III	Must support a minimum of 23dBm of transmit power in both 2.4Ghz and 5Ghz radios and should follow the local regulatory Norms.	favuoring to specific OEM model. Request to relax this clause	The specified power is the minimum transmit power required. The bidder can quote with higher transmit power
31	21		Must be plenum-rated (UL2043).	favouring to specific OEM model /series. Request to remove this clause to support other OEM AP	Multiple OEMs support the required specifications. No Change
32	30		Peak integrated antenna gain on each radio with min. 4dBi on 4x4 and min. 5dBi on 8x8	favouring to specific OEM model. Request you to relax this clause	Multiple OEMs support the required specifications. No Change
33	d	6.1.5 48-Ports Core Switch	Switch shall have min. 16 GB RAM.	Higher memory ask to comply specific OEM model. Request to relax this clause to participate other gartner leader oem	Multiple OEMs support the required specifications. No Change
34	e		Switch shall have min. 16 flash.	Higher memory ask to comply specific OEM model. Request to relax this clause to participate other gartner leader oem	Multiple OEMs support the required specifications. No Change
35	e		Min. Packet buffer : 30 MB		The specified Packet Buffer is minimum required. The bidder can quote with higher Packet Buffer
36	1.2.6	6.1.6 Access Switch - 12 Ports PoE	Switch should have 6MB or more packet buffer	favuoring to specific OEM model. Request to relax this clause	No Change: Bidder are free to propopse higher models
37	1.3.6		Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment and also have support for MACSEC-128.	MACSEC-128 feature is favouring to specific OEM. Request for relax this clause	All leading network switches OEMs supports MACsec. So this not being OEM Specific & hence No Change
38	1.1.3		Switch should have minimum 2GB RAM and 4GB Flash.	favuoring to specific OEM model. Request to relax this clause	No Change
39	1.2.6	6.1.7 Access Switch - 12 Ports NonPoE	Switch should have 6MB or more packet buffer	favouring to specific OEM model. Request to relax this clause	No Change: Bidder are free to propopse higher models
40	1.3.3		Switch should support network segmentation that overcomes the limitation of VLANs using VXLAN and VRFs.	access layer please clarify the use case. Favouring to specific OEM . Request to remove this clause	No change : VxLAN is required for automation or SDN purpose, All leading OEM supports VxLAN.
41	1.1.3		Switch should have minimum 2GB RAM and 4GB Flash.	favuoring to specific OEM model. Request to relax this clause	No Change
42	1.1.3	6.1.8 Access Switch - 24 Ports PoE	Switch should have minimum 2GB RAM and 4GB Flash.	favuoring to specific OEM model. Request to relax this clause	No Change

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43	1.2.6		Switch should support 128 or more STP Instances.	favuoring to specific OEM model. Request to relax this clause	No Change: Bidder are free to propopse higher models
44	1.2.7		Switch should have 6MB or more packet buffer	favuoring to specific OEM model. Request to relax this clause	No Change: Bidder are free to propopse higher models
45	1.3.3		Switch should support network segmentation that overcomes the limitation of VLANs using VXLAN and VRFs.	access layer please clarify the use case. Favouring to specific OEM . Request to remove this clause	No change : VxLAN is required for automation or SDN purpose, All leading OEM supports VxLAN.
46	1.1.3	6.1.9 Access Switch - 24 Ports Non - PoE	Switch should have minimum 2GB RAM and 4GB Flash.	favuoring to specific OEM model. Request to relax this clause	No Change
47	1.2.6		Switch should support 128 or more STP Instances.	favuoring to specific OEM model. Request to relax this clause	Switch should support 32 or more STP Instances
48	1.2.7		Switch should have 6MB or more packet buffer	favuoring to specific OEM model. Request to relax this clause	No Change: Bidder are free to propopse higher models
49	1.3.3		Switch should support network segmentation that overcomes the limitation of VLANs using VXLAN and VRFs.	access layer please clarify the use case. Favouring to specific OEM . Request to remove this clause	No change : VxLAN is required for automation or SDN purpose, All leading OEM supports VxLAN.
50	1.1.4	6.1.10 Access Switch - 48 Ports PoE	Switch should have dedicated slot/Ports for modular stacking, in addition to asked uplink ports. Should support for minimum 80 Gbps of stacking throughput with 8 switch in single stack.	dedicated slot of stacking favouring to specific OEM. HA can support on uplinks port. Request for remove this clause	Dedicate slot or port is required for stacking other than UL Ports, Bidder can propose any model which can have addition ports other than UL and meet the stacking Bandwidth requireements.
51	1.2.6		Switch should support 128 or more STP Instances.	favuoring to specific OEM model. Request to relax this clause	No Change: Bidder are free to propopse higher models
52	1.2.7		Switch should have 6MB or more packet buffer	favuoring to specific OEM model. Request to relax this clause	No Change: Bidder are free to propopse higher models
53	1.3.3		Switch should support network segmentation that overcomes the limitation of VLANs using VXLAN and VRFs.	access layer please clarify the use case. Favouring to specific OEM . Request to remove this clause	No change : VxLAN is required for automation or SDN purpose, All leading OEM supports VxLAN.
54	1.1.4	6.1.10 Access Switch - 48 Ports PoE	Switch should have dedicated slot/Ports for modular stacking, in addition to asked uplink ports. Should support for minimum 80 Gbps of stacking throughput with 8 switch in single stack.	dedicated slot of stacking favouring to specific OEM. HA can support on uplinks port. Request for remove this clause	Dedicate slot or port is required for stacking other than UL Ports, Bidder can propose any model which can have addition ports other than UL and meet the stacking Bandwidth requireements.
55	1.2.6		Switch should support 128 or more STP Instances.	favuoring to specific OEM model. Request to relax this clause	Switch should support 32 or more STP Instances
56	1.2.7		Switch should have 6MB or more packet buffer	favuoring to specific OEM model. Request to relax this clause	No Change: Bidder are free to propopse higher models
57	1.3.3		Switch should support network segmentation that overcomes the limitation of VLANs using VXLAN and VRFs.	access layer please clarify the use case. Favouring to specific OEM . Request to remove this clause	No change : VxLAN is required for automation or SDN purpose, All leading OEM supports VxLAN.
58	1.1.3	6.1.11 Access Switch - 24 Ports Multigig PoE – Type I	Switch should have minimum 2 GB RAM and 2 GB Flash.	favuoring to specific OEM model. Request to relax this clause	Not OEM Specific, No change.
59	1.1.4		Switch should have dedicated slot for modular stacking, in addition to uplink ports. Should support minimum 40 Gbps of stacking throughput with 8 switch in single stack.	dedicated slot of stacking favouring to specific OEM. HA can support on uplinks port. Request for remove this clause	Dedicate slot or port is required for stacking other than UL Ports, Bidder can propose any model which can have addition ports other than UL and meet the stacking Bandwidth requireements.
60	1.2.1		Switch shall have minimum 272 Gbps of switching fabric and 214 Mpps of forwarding rate.	favuoring to specific OEM model. Request to relax this clause	This is as per port requirement, Multigig ports are required to connect high denisty AP and other 10G equipments. i.e (8 multigig = 80DL+80UL + 16 x1G =16DL+16UL+4x10G UL = 40DL+80UL - 272 Gbps)
61	1.2.6		Switch should support 128 or more STP Instances.	favuoring to specific OEM model. Request to relax this clause	Switch should support 64 or more STP/MSTP Instances
62	1.2.7		Switch should have 6MB or more packet buffer	favuoring to specific OEM model. Request to relax this clause	No Change: Bidder are free to propose higher models
63	1.3.3		Switch should support network segmentation that overcomes the limitation of VLANs using VXLAN and VRFs.	access layer please clarify the use case. Favouring to specific OEM . Request to remove this clause	No change : VxLAN is required for automation or SDN purpose, All leading OEM supports VxLAN.
64		6.1.12 Access Switch - 24 Ports Multigig PoE – Type II			
65	1.4.1	6.1.12 Access Switch - 24 Ports Multigig PoE – Type II	Switch shall have 24 nos. port supporting 100MB/1G/2.5G/5G/10G.	Asking 10G in POE switch is favouring to specifc OEM request you to please normalize the specification for so other oem can participate.	No Change : Multiple OEM make 10G Multigig Switches, this is as per institute's requirement.
66	1.4.1	6.1.13 Access Switch - 48 Ports Multigig PoE	Switch shall have 48 nos. port supporting 100MB/1G/2.5G/5G.	in 24 Port asking 10G support while in 48 Port specification ask only 5G support. This will clearly favouring the specific OEM. Request you to please nutralize the specification so other oem can participate.	No Change : As per survey report Very high density AP and Other 10G devices brodcasting devices will connect to only 24 port Switches and medium density AP will connect to 48 ports, the combination is available with multiple Major OEMs.

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67	7	6.1.15 NMS	Solution should support capabilities like AI/ML to dynamically filter the inventory and provide impacted devices list due to vulnerability.	favouring to specific OEM and this feature need seprate solution . Request for remove this clause	Every OEM nowadays talking about AI/ML for automation and error correction, OEM are free to propose equivalent feature.
68	27	6.1.1 Wireless Controller	System should provide real-time troubleshooting and visualization. Any specialized hardware and software required for the same should be provided by the vendor.	This is OEM speicific solution approach.Please consider NMS for the same functionality	No Change : NMS is also there in RFP but this is related to WLC and will require for troubleshooting purpose.
69	27	6.1.1 Wireless Controller	WLC should support Application Visibility and Control (AVC).	This is OEM specific.Request to please remove or change as generic terminology like Point#27	No Change : AVC is generic terminology,
70	29	6.1.2 WiFi-6 Indoor Access Points Type I	Access Point shall be able to powered up using PoE 802.11af provides up to 15.4 watts of power per port	Access Point shall be able to powered up using PoE 802.11af/at provides the total power requirement.	This is the minimum requirement. The bidder can quote with higher specifications
71	29	6.1.2 WiFi-6 Indoor Access Points Type I	Access Point should have 1x 100, 1000, 2500 Multigigabit Ethernet (RJ-45) – IEEE 802.3bz	Kindly consider 2x 100, 1000, 2500, 5000 Multigigabit Ethernet (RJ-45) – IEEE 802.3bz.This will ensure better scalability as all the OEM's have multigig form factor upto 5Gbps.Dual port can provide redundancy and link aggregation.	This is the minimum requirement. The bidder can quote with higher specifications
72	29	6.1.2 WiFi-6 Indoor Access Points Type I	Must Support data rate upto 5Gbps.	Please change as " Must Support data rate upto 2.9Gbps(2.4Gbps in 5 Ghz and 574Mbps in 2.4Ghz)". Request to relax for wider OEM partcipations.	No Change: Bidders are free to propose higher models.
73	29	6.1.2 WiFi-6 Indoor Access Points Type I	Must have -98 dB or better Receiver Sensitivity.	Please change as "Must have -96 dB or better Receiver Sensitivity"	This is the minimum requirement. The bidder can quote with higher specifications
74	29	6.1.2 WiFi-6 Indoor Access Points Type I	Access Point Must continue serving clients when link to controller is down. It should also have option to authenticate user through Radius server directly from Access Point during link unavailability to controller.	Request to please remove for wider OEM participations.OEM to OEM design and solution differs.Only one architecture can support at a time either controller based or without controller.	Due to critical need to providing Internet Infrastructure to the students, any non-availability of Internet will be a problem, hence this feature is required. Hence No change
75	30	6.1.3 WiFi-6 Indoor Access Points Type II	Access Point shall have dedicated radio/chipset for spectrum monitoring capabilities, WIPS and off channel RRM without compromising and using the client serving radios.	Request to please remove this clause for wider OEM participations.This is OEM specific design.	No Change : Requirement is to have additional radio for continious monitoring for high density areas, bidders are free to propose AP which has dedicated radio for spectrum analyzer.
76	30	6.1.3 WiFi-6 Indoor Access Points Type II	Access Point should have 1x 100, 1000, 2500 Multigigabit Ethernet (RJ-45) – IEEE 802.3bz	Kindly consider 2x 100, 1000, 2500, 5000 Multigigabit Ethernet (RJ-45) – IEEE 802.3bz.This will ensure better scalability as all the OEM's have multigig form factor upto 5Gbps.Dual port can provide redundancy and link aggregation.	This is the minimum requirement. The bidder can quote with higher specifications
77	30	6.1.3 WiFi-6 Indoor Access Points Type II	Access Point Must continue serving clients when link to controller is down. It should also have option to authenticate user through Radius server directly from Access Point during link unavailability to controller.	Request to please remove for wider OEM participations.OEM to OEM design and solution differs.Only one architecture can support at a time either controller based or without controller.	Due to critical need to providing Internet Infrastructure to the students, any non-availability of Internet will be a problem, hence this feature is required. Hence No change
78	32	6.1.4 WiFi-6 Indoor Access Points Type III	Access Point shall provide console based connectivity that uses standard interfaces such as RJ45/serial USB connection/special SSID for initial config and during disconnected network situations. If serial USB connection is supported by the AP model (10nos of min 3ft serial USB cable to be provided at no extra cost).	Console cable length differs OEM to OEM,request to relax this clause as :Should provide console cable 10 Nos)	3Ft Console cable is required considering AP will be mounted on height and this is the minimum length needed to work or troubleshoot.
79	32	6.1.4 WiFi-6 Indoor Access Points Type III	Access Point should have 1x 1Gbps, 2.5Gbps, 5Gbps multigigabit Ethernet (RJ45).	Kindly consider 2x 100, 1000, 2500, 5000 Multigigabit Ethernet (RJ-45) – IEEE 802.3bz.This will ensure better scalability as all the OEM's have multigig form factor upto 5Gbps.Dual port can provide redundancy and link aggregation.	This is the minimum requirement. The bidder can quote with higher specifications
80	32	6.1.4 WiFi-6 Indoor Access Points Type III	Access Point must continue serving clients when the internet link to the controller is down. It should also have the option to authenticate users through the Radius server directly from Access Point during link unavailability to the controller in the same LAN segment.	Request to please remove for wider OEM participations.OEM to OEM design and solution differs.Only one architecture can support at a time either controller based or without controller.	No Change: Due to critical need to providing Internet Infrastructure to the students, any non-availability of Internet will be a problem, hence this feature is required.
81	32	6.1.4 WiFi-6 Indoor Access Points Type III	The solution should have high availability of controllers to avoid the single point of failure. In case both controllers fail, APs should have the capability to serve the clients by converting them to FAT/IAP/Bridge mode automatically or with manual configuration changes.	Request to please change this as "The solution should have high availability of controllers to avoid the single point of failure".	No Change : WLC HA is also required and mentioned in the tender separately.

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82	35	6.1.6 Access Switch - 12 Ports PoE	Switch shall have minimum 68 Gbps of switching fabric and 50 Mpps of forwarding rate. Should be non-blocking and provide wirespeed forwarding rate.	Please change this as "Switch shall have minimum 68 Gbps of switching fabric and 45 Mpps of forwarding rate. Should be non-blocking and provide wirespeed forwarding rate".	(68*1.488)/2 = 50.6Mpps No Change
83	35	6.1.6 Access Switch - 12 Ports PoE	Switch shall have minimum 16 K MAC Addresses and 4000 VLAN IDs	Please change as "Switch shall have minimum 8 K MAC Addresses and 4000 VLAN IDs".This is Layer 2 edge switch,8K MAC is sufficient".Please relax.	Accepted
84	35	6.1.6 Access Switch - 12 Ports PoE	Should support minimum 10K IPv4 routes or more	Please change as "Should support minimum 512 IPv4 routes or more".This is L2 Edge switch,10K is much higher requirement.Please relax.	No Change, Bidder can propose higher model
85	35	6.1.6 Access Switch - 12 Ports PoE	Switch shall have 1K or more multicast routes.	Please change as "Switch shall have 500 or more IGMP groups".This is Layer 2 edge switch, multicast routes is not relevant here.Please relax.	No Change, Bidder can propose higher model
86	35	6.1.6 Access Switch - 12 Ports PoE	Switch should support atleast 16K flow entries	Please change this as "Switch should support sflow/netflow entries". Values differes OEM to OEM	Accepted
87	35	6.1.6 Access Switch - 12 Ports PoE	Switch should have 6MB or more packet buffer.	Please relax this as "Adequete buffer without impacting the performance"	No Change, High buffer is required for broadcast and multicast requirements.
88	35	6.1.6 Access Switch - 12 Ports PoE	Switch should support IEEE Standards of Ethernet: IEEE 802.1D, 802.1s, 802.1w, 802.1x, 802.3ad, 802.3x, 802.1p, 802.1Q, 802.3, 802.1ae, 802.3u, 802.3ab, 802.3z.	Please remove 802.1ae for wider OEM partcipations.	Accepted
89	35	6.1.6 Access Switch - 12 Ports PoE	Switch must have functionality like static routing, RIP, REP, PIM, OSPF, VRRP, PBR and QoS features from Day1.	These are all L3 features, and not relevant in edge switch with such small form factor	This is the minimum requirement & hence no change.
90	35	6.1.6 Access Switch - 12 Ports PoE	Switch should support network segmentation that overcomes the limitation of VLANs using VXLAN and VRFs.	These are all L3 features, and not relevant in edge switch with such small form factor	No Change 802.1ae (MACSec) is required for Point to point wired security.
91	35	6.1.6 Access Switch - 12 Ports PoE	Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment and also have support for MACSEC-128.	Please remove Macsec for wider OEM partcipation.This is OEM specific design.Please relac for wider OEM participations.	All leading switch OEM's supports MACsec. So, this not being OEM Specific, hence No Change
92	35	6.1.6 Access Switch - 12 Ports PoE	Switch shall conform to UL 60950 or IEC 60950 or CSA 60950 or EN 60950 Standards for Safety requirements of Information Technology Equipment.	Switch shall conform to UL 60950 or IEC 60950 or CSA 60950 or EN 60950 Standards or higher for Safety requirements of Information Technology Equipment.	The specification mentioned are minimum and mandatory requirement. The bidder must quote with mandatory requirement. However, quoting any additional feature is at bidder's discretion
93	35	6.1.6 Access Switch - 12 Ports PoE	Switch shall conform to EN 55022 Class A/B or CISPR22 Class A/B or CE Class A/B or FCC Class A/B Standards for EMC requirements.	Switch shall conform to EN 55022 Class A/B or CISPR22 Class A/B or CE Class A/B or FCC Class A/B Standards for EMC requirements or higher	The specification mentioned are minimum and mandatory requirement. The bidder must quote with mandatory requirement. However, quoting any additional feature is at bidder's discretion
94	36	6.1.7 Access Switch - 12 Ports NonPoE	Switch shall have minimum 68 Gbps of switching fabric and 50 Mpps of forwarding rate. Should be non-blocking and provide wirespeed forwarding rate.	Please change this as "Switch shall have minimum 68 Gbps of switching fabric and 45 Mpps of forwarding rate. Should be non-blocking and provide wirespeed forwarding rate".	(68*1.488)/2 = 50.6Mpps No Change
95	36	6.1.7 Access Switch - 12 Ports NonPoE	Switch shall have minimum 16 K MAC Addresses and 4000 VLAN IDs	Please change as "Switch shall have minimum 8 K MAC Addresses and 4000 VLAN IDs".This is Layer 2 edge switch,8K MAC is sufficient".Please relax.	Accepted
96	36	6.1.7 Access Switch - 12 Ports NonPoE	Should support minimum 10K IPv4 routes or more	Please change as "Should support minimum 512 IPv4 routes or more".This is L2 Edge switch,10K is much higher requirement.Please relax.	No Change, Bidder can propose higher model
97	36	6.1.7 Access Switch - 12 Ports NonPoE	Switch shall have 1K or more multicast routes.	Please change as "Switch shall have 500 or more IGMP groups".This is Layer 2 edge switch, multicast routes is not relevant here.Please relax.	No Change, Bidder can propose higher model
98	36	6.1.7 Access Switch - 12 Ports NonPoE	Switch should support atleast 16K flow entries	Please change this as "Switch should support sflow/netflow entries". Values differes OEM to OEM	Accepted
99	36	6.1.7 Access Switch - 12 Ports NonPoE	Switch should have 6MB or more packet buffer.	Please relax this as "Adequete buffer without impacting the performance"	No Change, High buffer is required for broadcast and multicast requirements.
100	36	6.1.7 Access Switch - 12 Ports NonPoE	Switch should support IEEE Standards of Ethernet: IEEE 802.1D, 802.1s, 802.1w, 802.1x, 802.3ad, 802.3x, 802.1p, 802.1Q, 802.3, 802.1ae, 802.3u, 802.3ab, 802.3z.	Please remove 802.1ae for wider OEM partcipations.	No Change 802.1ae (MACSec) is required for Point to point wired security.

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101	36	6.1.7 Access Switch - 12 Ports NonPoE	Switch must have functionality like static routing, RIP, REP, PIM, OSPF, VRRP, PBR and QoS features from Day1.	These are all L3 features, and not relevant in edge switch with such small form factor	All are L2 Features, hence No change
102	36	6.1.7 Access Switch - 12 Ports NonPoE	Switch should support network segmentation that overcomes the limitation of VLANs using VXLAN and VRFs.	These are all L3 features, and not relevant in edge switch with such small form factor	No change : VxLAN is required for automation or SDN purpose, All leading OEM supports VxLAN.
103	36	6.1.7 Access Switch - 12 Ports NonPoE	Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment and also have support for MACSEC-128.	Please remove Macsec for wider OEM partcipation.This is OEM specific design.Please relac for wider OEM participations.	All leading switch OEM's supports MACsec. So, this not being OEM Specific, hence No Change
104	36	6.1.7 Access Switch - 12 Ports NonPoE	Switch shall conform to UL 60950 or IEC 60950 or CSA 60950 or EN 60950 Standards for Safety requirements of Information Technology Equipment.	Switch shall conform to UL 60950 or IEC 60950 or CSA 60950 or EN 60950 Standards or higher for Safety requirements of Information Technology Equipment.	The specification mentioned are minimum and mandatory requirement. The bidder must quote with mandatory requirement. However, quoting any additional feature is at bidder's discretion
105	36	6.1.7 Access Switch - 12 Ports NonPoE	Switch shall conform to EN 55022 Class A/B or CISPR22 Class A/B or CE Class A/B or FCC Class A/B Standards for EMC requirements.	Switch shall conform to EN 55022 Class A/B or CISPR22 Class A/B or CE Class A/B or FCC Class A/B Standards for EMC requirements or higher	The specification mentioned are minimum and mandatory requirement. The bidder must quote with mandatory requirement. However, quoting any additional feature is at bidder's discretion
106	37	6.1.8 Access Switch - 24 Ports PoE	Switch should have minimum 2 GB RAM and 2 GB Flash.	Switch should have minimum 4 GB RAM and 8 GB Flash.	This is the minimum requirement. The bidder can quote with higher specifications
107	37	6.1.8 Access Switch - 24 Ports PoE	Switch should have dedicated slot/Ports for modular stacking, in addition to asked uplink ports. Should support for minimum 80 Gbps of stacking throughput with 8 switch in single stack.	Switch should have stacking support. Should support for minimum 40 Gbps of stacking throughput with 8 switch in single stack.Request to relax for wider OEM participations.	No Change : for 24 port model 40G stacking BW will be a blocking architecture, as 48GBPS will be the minilum BW requireemt
108	37	6.1.8 Access Switch - 24 Ports PoE	Should support minimum 10K IPv4 routes or more	Should support minimum 2K IPv4 routes or more.Please relax for wider OEM participations.In edge 10K is much higher value.	No Change, Bidder can propose higher model
109	37	6.1.8 Access Switch - 24 Ports PoE	Switch should support 128 or more STP Instances.	Please change as" Switch should support 32 or more STP Instances"	Accepted
110	37	6.1.8 Access Switch - 24 Ports PoE	Switch must have functionality like static routing, RIP, PIM, OSPF(1000 routes), VRRP, PBR and QoS features from Day1	Switch must have functionality like static routing, RIP, PIM, OSPF, VRRP and QoS features from Day1.1000 OSPF routes is much higher in edge level switch,hence please relax.	To be read as : Switch must have functionality like static routing, RIP, PIM, OSPF, VRRP, PBR and QoS features from Day1
111	37	6.1.8 Access Switch - 24 Ports PoE	Switch should support network segmentation that overcomes the limitation of VLANs using VXLAN and VRFs.	Request to please remove VRF for wider OEM partcipations.VRF is not layer 2/edge level protocl.	No change : VxLAN is required for automation or SDN purpose, All leading OEM supports VxLAN.
112	37	6.1.8 Access Switch - 24 Ports PoE	Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment and MACSec-128 on hardware for all ports.	Please remove Macsec for wider OEM partcipation.This is OEM specific design.Please relax for wider OEM participations.	All leading switch OEM's supports MACsec. So, this not being OEM Specific, hence No Change
113	37	6.1.8 Access Switch - 24 Ports PoE	Switch shall conform to UL 60950 or IEC 60950 or CSA 60950 or EN 60950 Standards for Safety requirements of Information Technology Equipment.	Switch shall conform to UL 60950 or IEC 60950 or CSA 60950 or EN 60950 Standards for Safety requirements of Information Technology Equipment or equivalent or higher standards.Please relax	The specification mentioned are minimum and mandatory requirement. The bidder must quote with mandatory requirement. However, quoting any additional feature is at bidder's discretion
114	37	6.1.8 Access Switch - 24 Ports PoE	Switch shall conform to EN 55022 Class A/B or CISPR22 Class A/B or CE Class A/B or FCC Class A/B Standards for EMC (Electro Magnetic Compatibility) requirements.	Switch shall conform to EN 55022 Class A/B or CISPR22 Class A/B or CE Class A/B or FCC Class A/B Standards for EMC (Electro Magnetic Compatibility) requirements or equivallent or higher.Please relax.	The specification mentioned are minimum and mandatory requirement. The bidder must quote with mandatory requirement. However, quoting any additional feature is at bidder's discretion
115	39	6.1.9 Access Switch - 24 Ports Non - PoE	Switch should have minimum 2 GB RAM and 2 GB Flash.	Switch should have minimum 4 GB RAM and 8 GB Flash.	This is the minimum requirement. The bidder can quote with higher specifications
116	39	6.1.9 Access Switch - 24 Ports Non - PoE	Switch should have dedicated slot/Ports for modular stacking, in addition to asked uplink ports. Should support for minimum 80 Gbps of stacking throughput with 8 switch in single stack.	Switch should have stacking support. Should support for minimum 40 Gbps of stacking throughput with 8 switch in single stack.Request to relax for wider OEM participations.	No Change : for 24 port model 40G stacking BW will be a blocking architecture, as 48GBPS will be the minilum BW requireemt
117	39	6.1.9 Access Switch - 24 Ports Non - PoE	Should support minimum 10K IPv4 routes or more	Should support minimum 2K IPv4 routes or more.Please relax for wider OEM participations.In edge 10K is much higher value.	No Change, Bidder can propose higher model
118	39	6.1.9 Access Switch - 24 Ports Non - PoE	Switch should support 128 or more STP Instances.	Please change as" Switch should support 32 or more STP Instances"	Accepted
119	39	6.1.9 Access Switch - 24 Ports Non - PoE	Switch must have functionality like static routing, RIP, PIM, OSPF(1000 routes), VRRP, PBR and QoS features from Day1	Switch must have functionality like static routing, RIP, PIM, OSPF, VRRP and QoS features from Day1.1000 OSPF routes is much higher in edge level switch,hence please relax.	To be read as : Switch must have functionality like static routing, RIP, PIM, OSPF, VRRP, PBR and QoS features from Day1

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120	39	6.1.9 Access Switch - 24 Ports Non - PoE	Switch should support network segmentation that overcomes the limitation of VLANs using VXLAN and VRFs.	Request to please remove VRF for wider OEM partcipations.VRF is not layer 2/edge level protocl.	No change : VxLAN is required for automation or SDN purpose, All leading OEM supports VxLAN.
121	39	6.1.9 Access Switch - 24 Ports Non - PoE	Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment and MACSec-128 on hardware for all ports.	Please remove Macsec for wider OEM partcipation.This is OEM specific design.Please relax for wider OEM participations.	All leading switch OEM's supports MACsec. So, this not being OEM Specific, hence No Change
122	39	6.1.9 Access Switch - 24 Ports Non - PoE	Switch shall conform to UL 60950 or IEC 60950 or CSA 60950 or EN 60950 Standards for Safety requirements of Information Technology Equipment.	Switch shall conform to UL 60950 or IEC 60950 or CSA 60950 or EN 60950 Standards for Safety requirements of Information Technology Equipment or equivalent or higher standards.Please relax	The specification mentioned are minimum and mandatory requirement. The bidder must quote with mandatory requirement. However, quoting any additional feature is at bidder's discretion
123	39	6.1.9 Access Switch - 24 Ports Non - PoE	Switch shall conform to EN 55022 Class A/B or CISPR22 Class A/B or CE Class A/B or FCC Class A/B Standards for EMC (Electro Magnetic Compatibility) requirements.	Switch shall conform to EN 55022 Class A/B or CISPR22 Class A/B or CE Class A/B or FCC Class A/B Standards for EMC (Electro Magnetic Compatibility) requirements or equivallent or higher.Please relax.	The specification mentioned are minimum and mandatory requirement. The bidder must quote with mandatory requirement. However, quoting any additional feature is at bidder's discretion
124	41	6.1.10 Access Switch - 48 Ports PoE	Switch should have minimum 2 GB RAM and 2 GB Flash.	Switch should have minimum 4 GB RAM and 8 GB Flash.	This is the minimum requirement. The bidder can quote with higher specifications
125	41	6.1.10 Access Switch - 48 Ports PoE	Switch should have dedicated slot/Ports for modular stacking, in addition to asked uplink ports. Should support for minimum 80 Gbps of stacking throughput with 8 switch in single stack.	Switch should have stacking support. Should support for minimum 40 Gbps of stacking throughput with 8 switch in single stack.Request to relax for wider OEM participations.	No Change : Bidders are free to propose higher models.
126	41	6.1.10 Access Switch - 48 Ports PoE	Should support minimum 10K IPv4 routes or more	Should support minimum 2K IPv4 routes or more.Please relax for wider OEM participations.In edge 10K is much higher value.	No Change, Bidder can propose higher model
127	41	6.1.10 Access Switch - 48 Ports PoE	Switch should support 128 or more STP Instances.	Please change as" Switch should support 32 or more STP Instances"	Accepted
128	41	6.1.10 Access Switch - 48 Ports PoE	Switch must have functionality like static routing, RIP, PIM, OSPF(1000 routes), VRRP, PBR and QoS features from Day1	Switch must have functionality like static routing, RIP, PIM, OSPF, VRRP, PBR and QoS features from Day1.1000 OSPF routes is much higher in edge level switch,hence please relax.	To be read as : Switch must have functionality like static routing, RIP, PIM, OSPF, VRRP, PBR and QoS features from Day1
129	41	6.1.10 Access Switch - 48 Ports PoE	Switch should support network segmentation that overcomes the limitation of VLANs using VXLAN and VRFs.	Request to please remove VRF for wider OEM partcipations.VRF is not layer 2/edge level protocl.	No change : VxLAN is required for automation or SDN purpose, All leading OEM supports VxLAN.
130	41	6.1.10 Access Switch - 48 Ports PoE	Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment and MACSec-128 on hardware for all ports.	Please remove Macsec for wider OEM partcipation.This is OEM specific design.Please relac for wider OEM participations.	All leading switch OEM's supports MACsec. So, this not being OEM Specific, hence No Change
131	41	6.1.10 Access Switch - 48 Ports PoE	Switch shall conform to UL 60950 or IEC 60950 or CSA 60950 or EN 60950 Standards for Safety requirements of Information Technology Equipment.	Switch shall conform to UL 60950 or IEC 60950 or CSA 60950 or EN 60950 Standards for Safety requirements of Information Technology Equipment or equivalent or higher standards.Please relax	The specification mentioned are minimum and mandatory requirement. The bidder must quote with mandatory requirement. However, quoting any additional feature is at bidder's discretion
132	41	6.1.10 Access Switch - 48 Ports PoE	Switch shall conform to EN 55022 Class A/B or CISPR22 Class A/B or CE Class A/B or FCC Class A/B Standards for EMC (Electro Magnetic Compatibility) requirements.	Switch shall conform to EN 55022 Class A/B or CISPR22 Class A/B or CE Class A/B or FCC Class A/B Standards for EMC (Electro Magnetic Compatibility) requirements or equivallent or higher.Please relax.	The specification mentioned are minimum and mandatory requirement. The bidder must quote with mandatory requirement. However, quoting any additional feature is at bidder's discretion
133	42	6.1.11 Access Switch - 24 Ports Multigig PoE – Type I	Switch should have minimum 2 GB RAM and 2 GB Flash.	Switch should have minimum 4 GB RAM and 8 GB Flash.	This is the minimum requirement. The bidder can quote with higher specifications
134	42	6.1.11 Access Switch - 24 Ports Multigig PoE – Type I	Switch should have dedicated slot for modular stacking, in addition to uplink ports. Should support minimum 40 Gbps of stacking throughput with 8 switch in single stack.	Switch should stacking. Should support for minimum 100 Gbps of stacking throughput with 8 switch in single stack.	This is the minimum requirement. The bidder can quote with higher specifications
135	42	6.1.11 Access Switch - 24 Ports Multigig PoE – Type I	Switch should support 128 or more STP Instances.	Switch should support 64 or more STP/MSTP Instances.Request to relax wider OEM partcipations	Accepted
136	42	6.1.11 Access Switch - 24 Ports Multigig PoE – Type I	Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment and MACSec-128 on hardware for all ports.	Please remove Macsec for wider OEM partcipation.This is OEM specific design.Please relac for wider OEM participations.	All leading switch OEM's supports MACsec. So, this not being OEM Specific, hence No Change
137	42	6.1.11 Access Switch - 24 Ports Multigig PoE – Type I	During system boots, the system's software signatures should be checked for integrity. System should capable to understand that system OS are authentic and unmodified, it should have cryptographically signed images to provide assurance that the firmware & BIOS are authentic.	During system boots, the system's software signatures should be checked for integrity. System should capable to understand that system OS are authentic and unmodified, it should have cryptographically signed images to provide assurance that the firmware & BIOS are authentic ot TPM based architecture for integrity check.	The specification mentioned are minimum and mandatory requirement. The bidder must quote with mandatory requirement. However, quoting any additional feature is at bidder's discretion

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S.No	Page no.	Tender Section	Clause as per RFP	Change Request	Response to Pre-Bid Query/Revised Clause
138	43	6.1.11 Access Switch - 24 Ports Multigig PoE – Type I	Switch shall conform to UL 60950 or IEC 60950 or CSA 60950 or EN 60950 Standards for Safety requirements of Information Technology Equipment.	Switch shall conform to UL 60950 or IEC 60950 or CSA 60950 or EN 60950 Standards for Safety requirements of Information Technology Equipment or equivalent or higher standards.Please relax	The specification mentioned are minimum and mandatory requirement. The bidder must quote with mandatory requirement. However, quoting any additional feature is at bidder's discretion
139	43	6.1.11 Access Switch - 24 Ports Multigig PoE – Type I	Switch shall conform to EN 55022 Class A/B or CISPR22 Class A/B or CE Class A/B or FCC Class A/B Standards for EMC (Electro Magnetic Compatibility) requirements.	Switch shall conform to EN 55022 Class A/B or CISPR22 Class A/B or CE Class A/B or FCC Class A/B Standards for EMC (Electro Magnetic Compatibility) requirements or equivallent or higher.Please relax.	The specification mentioned are minimum and mandatory requirement. The bidder must quote with mandatory requirement. However, quoting any additional feature is at bidder's discretion
140	43	6.1.12 Access Switch - 24 Ports Multigig PoE – Type II	Switch should have minimum 2 GB RAM and 2 GB Flash.	Switch should have minimum 4 GB RAM and 8 GB Flash.	This is the minimum requirement. The bidder can quote with higher specifications
141	43	6.1.12 Access Switch - 24 Ports Multigig PoE – Type II	Switch should have dedicated slot for modular stacking, in addition to uplink ports. Should support minimum 40 Gbps of stacking throughput with 8 switch in single stack.	Switch should stacking. Should support for minimum 100 Gbps of stacking throughput with 8 switch in single stack.	This is the minimum requirement. The bidder can quote with higher specifications
142	43	6.1.12 Access Switch - 24 Ports Multigig PoE – Type II	Switch should support 128 or more STP Instances.	Switch should support 64 or more STP/MSTP Instances.Request to relax wider OEM partcipations	Accepted
143	43	6.1.12 Access Switch - 24 Ports Multigig PoE – Type II	Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment and MACSec-128 on hardware for all ports.	Please remove Macsec for wider OEM partcipation.This is OEM specific design.Please relac for wider OEM participations.	All leading switch OEM's supports MACsec. So, this not being OEM Specific, hence No Change
144	43	6.1.12 Access Switch - 24 Ports Multigig PoE – Type II	During system boots, the system's software signatures should be checked for integrity. System should capable to understand that system OS are authentic and unmodified, it should have cryptographically signed images to provide assurance that the firmware & BIOS are authentic.	During system boots, the system's software signatures should be checked for integrity. System should capable to understand that system OS are authentic and unmodified, it should have cryptographically signed images to provide assurance that the firmware & BIOS are authentic ot TPM based architecture for integrity check.	The specification mentioned are minimum and mandatory requirement. The bidder must quote with mandatory requirement. However, quoting any additional feature is at bidder's discretion
145	44	6.1.12 Access Switch - 24 Ports Multigig PoE – Type II	Switch shall conform to UL 60950 or IEC 60950 or CSA 60950 or EN 60950 Standards for Safety requirements of Information Technology Equipment.	Switch shall conform to UL 60950 or IEC 60950 or CSA 60950 or EN 60950 Standards for Safety requirements of Information Technology Equipment or equivalent or higher standards.Please relax	The specification mentioned are minimum and mandatory requirement. The bidder must quote with mandatory requirement. However, quoting any additional feature is at bidder's discretion
146	44	6.1.12 Access Switch - 24 Ports Multigig PoE – Type II	Switch shall conform to EN 55022 Class A/B or CISPR22 Class A/B or CE Class A/B or FCC Class A/B Standards for EMC (Electro Magnetic Compatibility) requirements.	Switch shall conform to EN 55022 Class A/B or CISPR22 Class A/B or CE Class A/B or FCC Class A/B Standards for EMC (Electro Magnetic Compatibility) requirements or equivallent or higher. Please relax.	The specification mentioned are minimum and mandatory requirement. The bidder must quote with mandatory requirement. However, quoting any additional feature is at bidder's discretion
147	44	6.1.13 Access Switch - 48 Ports Multigig PoE	Switch should have minimum 2 GB RAM and 2 GB Flash.	Switch should have minimum 4 GB RAM and 8 GB Flash.	This is the minimum requirement. The bidder can quote with higher specifications
148	44	6.1.13 Access Switch - 48 Ports Multigig PoE	Switch should have dedicated slot for modular stacking, in addition to asked uplink ports. Should support for minimum 480 Gbps of stacking throughput with 8 switch in single stack.	Switch should stacking. Should support for minimum 200 Gbps of stacking throughput with 8 switch in single stack.	Accepted
149	44	6.1.13 Access Switch - 48 Ports Multigig PoE	Switch should support 128 or more STP Instances.	Switch should support 64 or more STP/MSTP Instances.Request to relax wider OEM partcipations	Accepted
150	45	6.1.13 Access Switch - 48 Ports Multigig PoE	Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment and also have support for MACSEC-128.	Please remove Macsec for wider OEM partcipation.This is OEM specific design.Please relac for wider OEM participations.	All leading switch OEM's supports MACsec. So, this not being OEM Specific, hence No Change
151	45	6.1.13 Access Switch - 48 Ports Multigig PoE	During system boots, the system's software signatures should be checked for integrity. System should capable to understand that system OS are authentic and unmodified, it should have cryptographically signed images to provide assurance that the firmware & BIOS are authentic.	During system boots, the system's software signatures should be checked for integrity. System should capable to understand that system OS are authentic and unmodified, it should have cryptographically signed images to provide assurance that the firmware & BIOS are authentic ot TPM based architecture for integrity check.	The specification mentioned are minimum and mandatory requirement. The bidder must quote with mandatory requirement. However, quoting any additional feature is at bidder's discretion
152	45	6.1.13 Access Switch - 48 Ports Multigig PoE	Switch shall conform to UL 60950 or IEC 60950 or CSA 60950 or EN 60950 Standards for Safety requirements of Information Technology Equipment.	Switch shall conform to UL 60950 or IEC 60950 or CSA 60950 or EN 60950 Standards for Safety requirements of Information Technology Equipment or equivalent or higher standards.Please relax	The specification mentioned are minimum and mandatory requirement. The bidder must quote with mandatory requirement. However, quoting any additional feature is at bidder's discretion
153	45	6.1.13 Access Switch - 48 Ports Multigig PoE	Switch shall conform to EN 55022 Class A/B or CISPR22 Class A/B or CE Class A/B or FCC Class A/B Standards for EMC (Electro Magnetic Compatibility) requirements.	Switch shall conform to EN 55022 Class A/B or CISPR22 Class A/B or CE Class A/B or FCC Class A/B Standards for EMC (Electro Magnetic Compatibility) requirements or equivallent or higher.Please relax.	The specification mentioned are minimum and mandatory requirement. The bidder must quote with mandatory requirement. However, quoting any additional feature is at bidder's discretion
154			Duration of Contract	Duration of Contract	5 Years warranty after acceptance and then minimum 3 years comprehensive AMC

Response to the Pre-bid Queries received against the Tender enquiry till 14.06.2024 (as per the Tender Document)
IIMR/Tender/2024-25/06 dated 04.06.2024
"RFP for up-gradation of Campus Wide Network at IIM, Raipur"

S.No	Page no.	Tender Section	Clause as per RFP	Change Request	Response to Pre-Bid Query/Revised Clause
GENERAL PRE-BID QUERIES					
1	66	Bid Evaluation Technical Score Point 5	CVs of the Technical Manpower offered to be deployed on the project – Minimum 4 CVs * of resources including, Project Manager, Engineer, Resource to be posted on site.	Project Manager not to be deployed at SITE after execution. Do we still need to submit the resume of Project manager?	Yes The Project Manager will be the key person responsible for the implementation of desired solution
2	73	Payment Terms Point (i)	80% of the Product cost will be released at the time of delivery of equipment's after inspection, Installation and acceptance of the material at IIM Raipur campus and certification of receipt by stores in charge at IIM Raipur	Installation to be deleted from this payment term.	The Payment Terms may be read as: i) 80% of the Product cost will be released at the time of delivery of equipment after inspection and acceptance of the material at IIM Raipur campus and certification of receipt by stores in charge at IIM Raipur. ii) 10% of the product cost & 50% of the installation cost will be released on completion of installation and testing of the devices including submission of FAT Reports. iii) Balance 10% of the product cost & 50% of the installation cost will be released 03 months after the successful commissioning of complete network (active and passive), including submission of FAT Reports. iv) Warranty, AMC support and Manpower (based on MPR) bill payment will be released quarterly on prorate basis after deducting penalties due to SLA breach, if any. v) Payment will be released as per actual basis subject to deduction of TDS as per rules/laws prevalent at that time.
3	76	Checklist Point 16 Payment Terms	80% of the Product cost will be released at the time of delivery of equipment's after inspection, Installation and acceptance of the material at IIM Raipur campus and certification of receipt by stores in charge at IIM Raipur	Installation to be deleted from this payment term.	The Payment Terms may be read as: i) 80% of the Product cost will be released at the time of delivery of equipment after inspection and acceptance of the material at IIM Raipur campus and certification of receipt by stores in charge at IIM Raipur. ii) 10% of the product cost & 50% of the installation cost will be released on completion of installation and testing of the devices including submission of FAT Reports. iii) Balance 10% of the product cost & 50% of the installation cost will be released 03 months after the successful commissioning of complete network (active and passive), including submission of FAT Reports. iv) Warranty, AMC support and Manpower (based on MPR) bill payment will be released quarterly on prorate basis after deducting penalties due to SLA breach, if any. v) Payment will be released as per actual basis subject to deduction of TDS as per rules/laws
4	108	Annexure XVI Undertaking for category by the Bidder	Undertaking for category by the Bidder (Certified by Cost Auditor)	Undertaking for category by the Bidder (Certified by Cost Auditor/ Auditor).	Accepted
5		Payment Terms	Payment Terms i) 80% of the Product cost will be released at the time of delivery of equipment's after inspection, Installation and acceptance of the material at IIM Raipur campus and certification of receipt by stores in charge at IIM Raipur. ii) 10% of the product cost & 50% of the installation cost will be released on completion of installation and testing of the devices. iii) Balance 10% of the product cost & 50% of the installation cost will be released 03 months after the successful commissioning of complete network (active and passive), including submission of FAT Reports. iv) Warranty, AMC support and Manpower (based on MPR) bill payment will be released quarterly on prorate basis after deducting penalties due to SLA breach, if any. v) Payment will be released subject to deduction of TDS as per rules/laws prevalent at that time.	Also please restructure the payment terms as follows: Payment Terms i) 90% of the Product cost will be released at the time of delivery of equipment's after inspection, Installation and acceptance of the material at IIM Raipur campus and certification of receipt by stores in charge at IIM Raipur. ii) 5% of the product cost & 50% of the installation cost will be released on completion of installation and testing of the devices. iii) Balance 5% of the product cost & 50% of the installation cost will be released 03 months after the successful commissioning of complete network (active and passive), including submission of FAT Reports.	The Payment Terms may be read as: i) 80% of the Product cost will be released at the time of delivery of equipment after inspection and acceptance of the material at IIM Raipur campus and certification of receipt by stores in charge at IIM Raipur. ii) 10% of the product cost & 50% of the installation cost will be released on completion of installation and testing of the devices including submission of FAT Reports. iii) Balance 10% of the product cost & 50% of the installation cost will be released 03 months after the successful commissioning of complete network (active and passive), including submission of FAT Reports. iv) Warranty, AMC support and Manpower (based on MPR) bill payment will be released quarterly on prorate basis after deducting penalties due to SLA breach, if any. v) Payment will be released as per actual basis subject to deduction of TDS as per rules/laws prevalent at that time.

Response to the Pre-bid Queries received against the Tender enquiry till 14.06.2024 (as per the Tender Document)
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S.No	Page no.	Tender Section	Clause as per RFP	Change Request	Response to Pre-Bid Query/Revised Clause
6	9 of 111	Eligibility Criteria b. Experience Criteria:	The Bidder must have successfully executed the similar projects including LAN cabling and active network components in centrally funded educational institutions (CFEI) /Central or State Govt. organizations/Large public Enterprise Companies in the last seven years from the due date of bid submission. The list of Centrally funded Educational Institute is available at Ministry of Education, Government of India Website. Bidder must submit copy of relevant Contracts / Work / Purchase orders executed in the last seven years and documentary evidence for successful installation / execution / completion of the above orders along with Names, address and contact details of client(s) shall be uploaded with the bid for verification. One project of similar nature costing not less than the amount equal to 10 Crores OR Two projects of similar nature costing not less than the amount equal 7 Crores each OR Three projects of similar nature costing not less than the amount equal to 5 Crores each 'Similar Projects' is defined as, Supply, installation and maintenance of IT hardware & System Networking like network switches, wireless solution, LAN cabling, servers, network security devices.	The Bidder must have successfully executed the similar projects including LAN cabling and active network components in centrally funded educational institutions (CFEI) /Central or State Govt. organizations/Large public Enterprise Companies in the last seven years from the due -date of bid submission. The list of Centrally funded Educational Institute is available at Ministry of Education, Government of India Website. Bidder must submit copy of relevant Contracts / Work / Purchase orders executed in the last seven years and documentary evidence for successful installation / execution / completion of the above orders along with Names, address and contact details of client(s) shall be uploaded with the bid for verification. One project of similar nature costing not less than the amount equal to 10 Crores OR Two projects of similar nature costing not less than the amount equal 7 Crores each OR Three projects of similar nature costing not less than the amount equal to 5 Crores each We urge the committee for below changes: OPTION I 'Similar Projects' is defined as, Supply, installation and maintenance of IT hardware & System Networking.	No Change
7	8 of 111	2.6 Earnest Money Deposit (EMD)	a) Bidders shall submit, along with their Bid an EMD of INR.28,00,000.00 may be furnished electronically or in the shape of Demand Draft OR Bank Guarantee issued by any scheduled bank in favor of IIM Raipur. In the case of EMD submitted through Bank Guarantee, it should be valid for 120 days from the due date of the tender.	We request you to share the EMD BG format.	Format Attached
8	73	Payment Terms	80% of the Product cost will be released at the time of delivery of equipment's after inspection, Installation and acceptance of the material at IIM Raipur campus and certification of receipt by stores in charge at IIM Raipur.	80% of the Product cost will be released at the time of delivery of equipment's after inspection and acceptance of the material at IIM Raipur campus and certification of receipt by stores in charge at IIM Raipur.	The Payment Terms may be read as: i) 80% of the Product cost will be released at the time of delivery of equipment after inspection and acceptance of the material at IIM Raipur campus and certification of receipt by stores in charge at IIM Raipur.
9	73	Payment Terms	10% of the product cost & 50% of the installation cost will be released on completion of installation and testing of the devices	10% of the product cost & 90% of the installation cost will be released on completion of installation and testing of the devices.	ii) 10% of the product cost & 50% of the installation cost will be released on completion of installation and testing of the devices including submission of FAT Reports.
10	73	Payment Terms	Balance 10% of the product cost & 50% of the installation cost will be released 03 months after the successful commissioning of complete network (active and passive), including submission of FAT Reports	We request for a change release balance 10% of the installation cost will be released 02 months after the successful commissioning of complete network (active and passive), including submission of FAT Reports.	iii) Balance 10% of the product cost & 50% of the installation cost will be released 03 months after the successful commissioning of complete network (active and passive), including submission of FAT Reports. iv) Warranty, AMC support and Manpower (based on MPR) bill payment will be released quarterly on prorate basis after deducting penalties due to SLA breach, if any. v) Payment will be released as per actual basis subject to deduction of TDS as per rules/laws prevalent at that time.
11	9	Eligibility Criteria	One project of similar nature costing not less than the amount equal to 10 Crores	We request to changes it from 10 crores to 5 crores.	No Change
			Two projects of similar nature costing not less than the amount equal 7 Crores each	We request to changes it from 7 crores to 3 crores each.	No Change
			Three projects of similar nature costing not less than the amount equal to 5 Crores each	We request to changes it from 5 crores to 2 crores each.	No Change
12	9	Financial Criteria	The minimum Average Annual Turnover of the Bidder must be INR 40 crores as per their audited financial statement during three preceding financial years.	We request for a changes from minimum Average Annual Turnover of the Bidder must be INR 40 crores to aggregated turnover of 38 crores for last three years.	No Change
13	66	8. Bid Evaluation S.No. 2	**Average Annual Turnover** 40 upto 45 Crore – 5 Marks >45 to 50 Crores – 8 Marks > 50 Crores – 10 Marks	**Average Annual Turnover** 20 upto 25 Crore – 5 Marks >26 to 30 Crores – 8 Marks > 30 Crores – 10 Marks	No Change

S. No.	General Specifications	Compliance
1.1	**General Features :**	
1.1.1	Switch should be 1U and rack mountable in standard 19" rack.	
1.1.2	Switch should support internal field replaceable unit redundant power supply from day 1.	
1.1.3	Switch should have minimum 2 GB RAM and 2 GB Flash.	
1.1.4	Switch should have dedicated slot/Ports for modular stacking, in addition to asked uplink ports. Should support for minimum 80 Gbps of stacking throughput with 8 switch in single stack.	
1.2	**Performance :**	
1.2.1	Switch shall have minimum 176 Gbps of switching fabric and 130 Mpps of forwarding rate.	
1.2.2	Switch shall have minimum 16K MAC Addresses and 4000 VLAN IDs	
1.2.3	Should support minimum 10K IPv4 routes or more	
1.2.4	Switch shall have 1K or more multicast routes.	
1.2.5	Switch should support atleast 16K flow entries	
1.2.6	Switch should support 128 or more STP Instances.	
1.2.7	Switch should have 6MB or more packet buffer.	
1.3	**Functionality :**	
1.3.1	Switch should support IEEE Standards of Ethernet: IEEE 802.1D, 802.1s, 802.1w, 802.1x, 802.3ad, 802.3x, 802.1p, 802.1Q, 802.3, 802.3u, 802.3ab, 802.3z.	
1.3.2	Switch must have functionality like static routing, RIP, PIM, OSPF(1000 routes), VRRP, PBR and QoS features from Day1	
1.3.3	Switch should support network segmentation that overcomes the limitation of VLANs using VXLAN and VRFs.	
1.3.4	Switch shall have 802.1p class of service, marking, classification, policing and shaping and eight egress queues.	
1.3.5	Switch should support management features like SSHv2, SNMPv2c, SNMPv3, NTP, RADIUS and TACACS+ .	
1.3.6	Switch should support IPv6 Binding Integrity Guard, IPv6 Snooping, IPv6 RA Guard, IPv6 DHCP Guard, IPv6 Neighbor Discovery Inspection and IPv6 Source Guard.	
1.3.7	Switch should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment and MACSec-128 on hardware for all ports.	
1.3.8	Switch must have the capabilities to enable automatic configuration of switch ports as devices connect to the switch for the device type.	
1.4	**Interfaces**	
1.4.1	Switch shall have 48 nos. 10/100/1000 Base-T ports and additional 4 nos. of 10G SFP+ uplinks ports.	
1.5	**Certification:**	
1.5.1	Switch shall conform to UL 60950 or IEC 60950 or CSA 60950 or EN 60950 Standards for Safety requirements of Information Technology Equipment.	
1.5.2	Switch shall conform to EN 55022 Class A/B or CISPR22 Class A/B or CE Class A/B or FCC Class A/B Standards for EMC (Electro Magnetic Compatibility) requirements.	
1.5.3	Switch / Switch's Operating System should be tested for EAL 2/NDPP or above under Common Criteria Certification.	

Format for Performance Bank Guarantee

(To be executed on stamp paper of appropriate value)

Ref:_____   Date:_____

BG Number:_____

To

IIM, Raipur

1. Against contract vide Advance Acceptance of the Tender No._____ dated_____ covering _____(hereinafter called the said "Contract") entered into between IIM Raipur, (hereinafter called "the Purchaser") and_____ (hereinafter called the "Bidder") this is to certify that at the request of the Bidder, we _____ Bank Ltd., are holding in trust in favor of the Purchaser, the amount of_____(Write the sum here in words) to indemnify and keep indemnified the Purchaser against any loss or damage that may be caused to or suffered by the Purchaser by reason of any breach by the Bidder of any of the terms and conditions of the said contract and/or in the performance thereof. We agree that the decision of the Purchaser, whether any breach of any of the terms and conditions of the said contract and/or in the performance thereof has been committed by the Bidder and the amount of loss or damage that has been caused or suffered by the Purchaser shall be final and binding on us and the amount of the said loss or damage shall be paid by us forthwith on demand and without demur to the Purchaser.

2. We _____Bank Ltd, further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for satisfactory performance and fulfilment in all respects of the said contract by the Bidder i.e. till _____hereinafter called the said date and that if any claim accrues or arises against us, _____Bank Ltd, by virtue of this guarantee before the said date, the same shall be enforceable against us_____ Bank Ltd, notwithstanding the fact that the same is enforced within six months after the said date, provided that notice of any such claim has been given to us,_____ Bank Ltd, by the Purchaser before the said date. Payment under this letter of guarantee shall be made promptly upon our receipt of notice to that effect from the Purchaser.

3. It is fully understood that this guarantee is effective from the date of the said contract and that we_____ Bank Ltd, undertake not to revoke this guarantee during its currency without the consent in writing of the Purchaser.

4. We undertake to pay to the Purchaser any money so demanded notwithstanding any dispute or disputes raised by the Bidder in any suit or proceeding pending before any court or Tribunal relating thereto our liability under this present bond being absolute and unequivocal. The payment so made by us under this bond shall be a valid discharge of our liability for payment there under and the Bidder shall have no claim against us for making such payment.

5. We_____ Bank Ltd, further agree that the Purchaser shall have the fullest liberty, without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said contract or to extend time of performance by the Tendered

from time to time or to postpone for any time of from time to time any of the powers exercisable by the Purchaser against the said Bidder and to forebear or enforce any of the terms and conditions relating to the said contract and we, _____Bank Ltd, shall not be released from our liability under this guarantee by reason of any such variation or extension being granted to the said Bidder or for any forbearance by the Purchaser to the said Bidder or for any forbearance and or omission on the part of the Purchaser or any other matter or thing whatsoever, which under the law relating to sureties, would, but for this provision have the effect of so releasing us from our liability under this guarantee.

6. This guarantee will not be discharged due to the change in the constitution of the Bank or the Bidder.

Date: _____   **Signature:** _____

Place: _____   **Printed name:** _____

Witness: _____

(Bank's common seal)