


Department Details:	
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Department Type	Autonomous Body
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NIB Details:	
NIB Code	SUU2425A0098
NIB Reference no	CS/VB/MLSU/RUSA2024-25/158 dated-29/01/2025
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NIB Financial Year	2024 - 2025

Bid Details:	
UBN	SUU2425GSRC00139
Bid Title	Supply of Network Items
Bid Type	Goods
Bid Sub Type	Networking
Bid Pattern	Rate Contract
Bid Amount	₹800000.00
Bid Required in Cover(s)	2
Bid Document	 [English] 1.51 MB
First Appeal Hearing Authority	Director
Second Appeal Hearing Authority	Comptroller
Critical Dates:	
Bid Uploaded Date	29/01/2025
Bid Publish Date	29/01/2025
Bid Submission End Date	10/02/2025
Bid Open Date	11/02/2025



UNIVERSITY COMPUTER CENTRE
MOHANLAL SUKHADIA UNIVERSITY, UDAIPUR
Email: dcc@mlsu.ac.in; website: www.mlsu.ac.in

No. CS/VB/MLSU/2024-25/158

Dated: 29/01/2025

NOTICE INVITING TENDER

Sealed tenders are invited from eligible bidders for the procurement of "Supply of Network Items" under the two-cover system. Technical Bid and Financial Bid must be submitted separately in two sealed covers. Tenders must be received on or before 10.02.2025, 5:00 PM. Late submissions will not be accepted.

Details of required number of items/services, estimated cost, specifications and other terms and conditions etc. may be seen in the Bidding Documents on the website <https://sppp.rajasthan.gov.in> or University website www.mlsu.ac.in.

Sr.No.	Item/Service	App.Cost (in Lakhs)	EMD (Rs.)	Tender Fee
1	"Supply of Network Items"	800,000/-	16,000/-	500/-


Director

DIRECTOR
Univ. Computer Centre
M.L. Sukhadia University
UDAIPUR



Mohanlal Sukhadia University, Udaipur

Bidding Document File

For

“Supply of Network Items”

Session- 2024-2025

Open Tender Under Two Cover System

(Rate Contract)

Important Dates

Bid Documents Submission Start Date - **29.01.2025**

Last Date for Bid Submission is **10.02.2025**



Open Tender
for
“ Supply of Network Items”

PRESCRIBED BID FORM

NOTE:

Tenders under two bid systems (technical and financial) must be submitted strictly in accordance to all terms and conditions of the bid-notice, bid form of the university, otherwise the bid shall not be considered and shall be rejected out-right. The counter (firm's own) terms and conditions are not accepted in any case. Bidder should read these terms and conditions very carefully and comply strictly while submitting their bids. If a bidder has any doubt regarding the interpretation of any of the terms and conditions or specifications mentioned in those documents, he/she should get these clarified before submitting the bid form to the **Director, University Computer Centre, Mohanlal Sukhadia University, Udaipur**. The decision of the Director, regarding the interpretation of the conditions and specifications shall be final and binding on these bids. The purchase is being made as per Rajasthan Transparency in Public Procurement Act/Rules, 2012 and also 2013 (GSR97), Finance (G&T) Department dated 24.1.2013 as amended from time to time by Govt. of Rajasthan. These rules shall be applicable with regard to delay in supplies and other residue eventuates.

TWO SETS OF THIS BID FORM CONTAINING THE FOLLOWING ENCLOSURES ARE BEING SENT:

1. Detail about the bidder
2. Schedule of important dates for the tender
3. Summary of Tender
4. Technical specification of equipment
5. Eligibility criteria
6. General terms and conditions of bid
7. Special terms and conditions of bid
8. Compliance of the specifications
9. Technical bid form
10. Financial bid form
11. Annexure A to D

Submit technical bid and financial bid separately as per details given under special terms and conditions para (1) in sealed envelopes failing which Tender (Bid) will be rejected.

Please retain one set for your record and submit one complete set duly filled in signed and stamped along with earnest money (Bid deposit) remittance documents.

Encl. as above

**DIRECTOR,
UNIVERSITY COMPUTER CENTRE,
MOHANLAL SUKHADIA UNIVERSITY
UDAIPUR, RAJASTHAN**



DETAILS ABOUT THE BIDDER

(To be filled in by the Bidder)

Name of the bidding Company/Firm	
Contact Person (Authorized bid Signatory)	
Correspondence Address	
Mobile No.	
Telephone Number (Land Line)	
Website & E-mail Address	
EMD and Tender Fee	EMD 2% of Tender Value (paid in Rajasthan) in favor of Director, University Computer Centre, MLSU and Tender fee may be paid as follows: Rs 500/-
Bid Fee Details	DD No..... Date..... Or Online Transaction Details: Transaction ID..... Date.....

DECLARATION

I/We hereby declare that I/We have read all the General, Special Terms and Conditions and Scope of work & specifications of the bid items of the University and I/We agree to these terms and conditions.

**SIGNATURE OF THE BIDDER
WITH THE FIRM'S RUBBER STAMP**



Schedule of Important Dates for Open Tender

S. No.	Events	Date
1.	Date of Issue of Notice Inviting Tender (NIT)	29.01.2025
2.	Start Date & Time for downloading of Tender documents	29.01.2025
3.	Website for downloading Tender Documents	http://sppp.rajasthan.gov.in/ and http://www.mlsu.ac.in/
4.	Last Date & Time for submission of Tender	10.02.2025, 05:00 PM
5.	Date & Time for opening of Technical Bids	11.02.2025, 11.00 PM
6.	Date & Time for opening of Financial Bids	To be announced later
7.	EMD & Tender Fee are acceptable deposit by RTGS and NEFT account details are given below: Name of Account Holder: Computer Centre, M.L.S.U. Name of Bank and Branch: ICICI Bank, Bapu Bazar, Udaipur(Rajasthan)-313001 IFSC Code: ICIC0006933 Bank Account Number: 693301191416 (SAVINGS ACCOUNT)	



SUMMARY OF THE OPEN TENDER

Tender No. CS/VB/MLSU/2024-25/158 Date:29/01/2025

Name of Equipment/Service	Estimated Cost (Rs.)	EMD (Rs.)	Tender Fee (Rs.)
<i>“Supply of Network Items”</i>	8,00,000/-	16,000/-	500/-

. The expenditure on this subject matter of Bid will be met by budgetary resources under Mohanlal Sukhadia University, Udaipur.

Types of Tender: Two Bid System (Rule 163 GFR 2017)

Mode of EMD and Tender Fee: Bidder should sent separate Demand Draft for Tender fee (Non-refundable) and EMD 2% of Tender Value (paid in Rajasthan) in favor of **Director, University Computer Centre, MLSU** (paid in Rajasthan) in favor of **Director, University Computer Centre, MLSU** is payable at Udaipur.

NOTE:

1. If the Bid is not opened on the above date due to unforeseen circumstances, then the next working day will be considered as Bid opening date.
2. The Bidder who fail to submit the required Tender fee and EMD, their Technical & financial Bids shall not be consider for opening.
3. The procuring entity reserves the complete right to cancel the bid process and reject any or all of the bids.

DIRECTOR
University Computer Centre



TECHNICAL SPECIFICATION OF SERVICES

Technical Specifications/Scope of Work	
01	UTP CABLE 1 Box color (305 meters)
	Type:-UTP, Category:-Cat6 , colour Blue
	10BASE-T, 100BASE-TX Fast Ethernet, 1000BASE-T,10GBASE-T (IEEE802.3)
	This cable well exceeds the requirements of TIA/EIA-568-C.2 and ISO/IEC 11801
	Construction: 4 twisted pairs separated by internal X shaped, 4 channel, polymer spine / full separator. Half shall not be accepted.
	The 4 pair Unshielded Twisted Pair cable shall be UL Listed.
	Conductor Solid bare Copper and Jacket FR PVC and UL approved CM rated cable
	CAT 6 Cable with zero bit error rate of 1000BASE-T protocol, certificate must be attached
	CAT 6 Cable must be with Performance Testing of a cabling according to ANSI/TIA 568-2-D 4 connector channel, for all component certificate must be attached
02	LC-LC SM PATCH CORD
	PATCH CORD LC-LC SM DUPLEX Type=Duplex 3.0mm
	Length=1 m
	Connector Type=LC-LC
	Insertion Loss =<0.2 dB ,MAX <0.3dB
03	SC-SC SM PATCH CORD
	PATCH CORD SC-LC SM DUPLEX Type=Duplex 3.0mm
	Type=Duplex 3.0mm
	Length=1 m
	Connector Type=SC-SC
	Insertion Loss =<0.2 dB ,MAX <0.3dB



04	ST-LC SM PATCH CORD
	PATCH CORD ST-LC SM DUPLEX Type=Duplex 3.0mm
	Type=Duplex 3.0mm
	Length=1 m
	Connector Type=ST-LC
	Insertion Loss =<0.2 dB ,MAX <0.3dB
05	ST-SC SM PATCH CORD
	PATCH CORD ST-SC SM DUPLEX Type=Duplex 3.0mm
	Type=Duplex 3.0mm
	Length=1 m
	Connector Type=ST-LC
	Insertion Loss =<0.2 dB ,MAX <0.3dB
06	SC SM PIGTAIL
	pigtail SM Simplex
	Type= Simplex 3.0mm
	Length=1 m
	Connector Type=SC
	Insertion Loss =<0.2 dB ,MAX <0.3dB
07	SC SM COUPLER (Simplex)
	Single mode SM (Single)
08	SC SM COUPLER (Duplex)
	Single mode SM (Dual/ duplex)
09	RJ-45 CONNECTOR
	CAT 6



10	Single I/O box
	Fully loaded with single Face plate, wall plate and CAT6 jack (Yellow for Data)
11	Dual I/O box
	Fully loaded with dual Face plate, wall plate and dual CAT6 jack (Yellow for Data)
12	Fiber Cable Single Mode
	6 Core Fiber Cable Outdoor Armored SM HDPE Sheath Number of Cores=6
	Type=Single Mode Outdoor Armored
13	Fiber Cable Single Mode
	12 Core Fiber Cable Outdoor Armored SM HDPE Sheath Number of Core =12
	Type=Single Mode Outdoor Armored
14	Fiber Cable Single Mode
	24 Core Fiber Cable Outdoor Armored SM HDPE Sheath Number of Core =24
	Type=Single Mode Outdoor Armored
15	Fiber Cable Jointer Box (Lightweight, Airtight & waterproof)
	Dimensions : Min. Length 403mm, Max. Diameter 220mm Cable ports : 1 oval port and 4 small round ports Cable Diameter: 8mm – 25mm Max. Capacity (Bunchy Fiber): 96 fibers Core capacity per tray : 24 Sealing structure: Heat-shrinkable sealing Protection Grade IP65
16	Indoor Outdoor FTTH Fiber Optic Termination Box ABS Body Material Fiber Distribution Panel PC+ABS material used ensures the body strong and light Wet-proof, water-proof, dust-proof, anti-aging Easy installations: Ready for wall mount – installation kits provided Space saving: Double-layer design for easier installation and maintenances Protection level up to IP53-IP55 Cabinet can be installed by the way of wall-mounted or poled-mounted, suitable for both indoor and outdoor uses Distribution panel can be flipped up, feeder cable can be placed in a cup-joint way, easy for maintenance and installation Cable,pigtails,patch cords are running through own path without disturbing each other, cassette type SC adapt or installation, easy maintenance
17	2U RACK
	Rack With Cable manager, Fan and PDU.The Rack Should be wall mount 2U in hight and Conforms to DIN 41494 or equivalent ISO Standards



18	4U RACK
	Rack With Cable manager, Fan and PDU.The Rack Should be wall mount 6U in hight and Conforms to DIN 41494 or equivalent ISO Standards
19	6U RACK
	Rack With Cable manager, Fan and PDU.The Rack Should be wall mount 6U in hight and Conforms to DIN 41494 or equivalent ISO Standards
20	9U RACK
	Rack With Cable manager, Fan and PDU.The Rack Should be wall mount 9U in hight and Conforms to DIN 41494 or equivalent ISO Standards
21	27U RACK
	Rack With Cable manager, Fan and PDU.The Rack Should be floor mount 27 U in hight and Conforms to DIN 41494 or equivalent ISO Standards
22	6 PORT LIU Unloaded
	1.2 mm steel sheet for strong housing
	Slim 1 Unit Mounting Height
	Front-mounted cable saddles for jumper management
	Can manage both splices and terminations
	Preassembled shelves in multiple configurations
	Rubber fiber slotted bracket built-in, metal splice shelf to protect the fibers
	2 fiber spools built-in for 900 µm tight buffered fiber storing
	Capable of storing up to 3 meters of 900 µm tight buffered fiber per adapter
23	12 PORT LIU Unloaded
	1.2 mm steel sheet for strong housing
	Slim 1 Unit Mounting Height
	Front-mounted cable saddles for jumper management
	Can manage both splices and terminations
	Preassembled shelves in multiple configurations
	Rubber fiber slotted bracket built-in, metal splice shelf to protect the fibers
	2 fiber spools built-in for 900 µm tight buffered fiber storing
	Capable of storing up to 3 meters of 900 µm tight buffered fiber per adapter
	Ball bearing slid rails with Positive stop
	All racks and copper and Fiber component should be from single OEM for easy integration , whose MAF is attached with Bid



24	24 PORT LIU Unloaded
	1.2 mm steel sheet for strong housing
	Slim 1 Unit Mounting Height
	Front-mounted cable saddles for jumper management
	Can manage both splices and terminations
	Preassembled shelves in multiple configurations
	Rubber fiber slotted bracket built-in, metal splice shelf to protect the fibers
	2 fiber spools built-in for 900 µm tight buffered fiber storing
	Capable of storing up to 3 meters of 900 µm tight buffered fiber per adapter
	Ball bearing slid rails with Positive stop
25	SC SM COUPLER (Simplex)
	Single mode SM (Single)
26	IO PUNCH DOWN TOOL punch down tool, which can also be named an RJ45 punch down tool, or Krone tool, is a hand tool widely used to terminate the Ethernet cables by inserting the cable wires into the insulation-displacement connectors (IDC) on the punch down blocks, patch panels, keystone modules, and surface mount of boxes.
27	OTDR Machine
	Optical Time Domain Reflectometer SM 1310/1550nm 26/24 dB OTDR Tester with SC FC ST LC Adapters, Multi-function Fiber Optic Tools OTDR, 4.3-inch Touch Screen Color LCD One Key Operation
	Able to generate different forms of test reports according to user need
	TOP : Otdr / Ls Port , Opm Port, Vfl Port, Flashlight, Tf Card, Type C Usb
	MAIN VIEW : Dust Cover, 4.3 inch color LCD, Function Key, Charging Indicator, Power On Status Indicator
	User friendly interface, totally simulate the computer keyboard input
28	Crimping Tool with tester
	Suitable for network cable with RJ45 Connector and ADSL Cable with RJ11 Connect.
	Suitable for Cat5 and Cat5e cable with 8P8C, 6P6C and 4P4C plugs
	For network installations up to 100 Mbps 10Base-T Ethernet and Token Ring.
	Battery included
	Double colour grip 150b wire cutter included



29	24 Port Switch 10/100/1000 Managed PoE Switch	
		Switch should have 24x 10/100/1000BASE-T PoE ports Ports with 4 x10G SFP+ ports for uplink purpose
		Switch should have Console Port (RJ-45) for out-of-band CLI management, provide a direct, physical connection to the switch for management tasks, which can be especially useful if remote management is not possible
		Switch should have 16K MAC Address and 2 MB Packet buffer memory
		Switch should have 128 Gbps Switching capacity and 95 Mpps packet forwarding rate
30	Media Converter	
		Converts 1000 Base - T to 1000 Base – LX
		Fiber wavelength:-1300NM
		max distance:-10KM
		Ports:- One RJ - 45 and Duplex Fiber port (SC type connector)
		MODE:- SINGLE MODE
		Operating Temperature:- 0° C to 50° C
		storage Temperature:- -20° C to 70° C
		MTBF (hours):- 10,0000hours
		Operating Voltage:- AC 240V or DC +5V
31	Network Item: SFP + 10G MODULE (SM) :	
		LC Port Types, 10GBASE-LR SFP+ Transceiver (w/o DDM)
		Full Duplex 802.3x Flow Control
		Optical Receiver Sensitivity= - 14dBm Min. (dBm)
		Type=Single mode
		Hot Pluggable
32	Network Item: Indoor wireless AP Gigabit LAN(PoE Supported) AC 1800 Mbps:	
		Standard
		The Access Point should be compliant with IEEE 802.3ab, IEEE 802.3u, IEEE 802.3az IEEE 802.11a/b/g/n/ac/ax Wave 2 wireless interface
		The Access Point support WPA/WPA2/WPA3™ Personal/Enterprise, WEP 64/128-bit, SSID broadcast disable, MAC address access control, internal RADIUS server
		The Access point should support MU-MIMO slices through congestion, reducing wait time for all users, Support Wi-Fi 6 delivers greater network efficiency and lower latency, with nearly four times the capacity of previous Wi-Fi standards
		The Access Point should be compliant with IEEE 802.3af and 802.3at for providing PoE based power



	<p>The Access point should support Band Steering makes sure connected devices get the best available frequency band</p> <p>Interface and antenna</p> <p>Minimum 2 x dual-band internal antennas 3.2 dBi antenna for 2.4 Ghz & internal 4.3 dBi antenna for 5 Ghz</p> <p>Support 2.4 - 2.483 GHz, 5.15 - 5.35 GHz, 5.47 - 5.85 GHz</p> <p>Access Point should provide Maximum Output Power 23 dBm in 2.4 GHz band & 26 dBm 5 GHz band:</p> <p>Access Point should support Up to 1800 Mbps</p> <p>Access point must have 1 x RJ45 console port for Debugging, 1 x 10/100/1000 Ethernet (PoE) LAN, factory reset, power input</p> <p>Management</p> <p>The AP should support Software controller and Hardware controller of same OEM</p> <p>The Access point should support SNMP v1, v2c, v3</p> <p>The Access point should have support for Other Features Fast Roaming Support with 802.11k, 802.11v, and 802.11r and Passpoint Hotspot 2.0 Support</p> <p>Security & Certification</p> <p>WPA-Personal, WPA-Enterprise, WPA2-Personal, WPA2-Enterprise, WEP 64/128-bit encryption, SSID broadcast disable, MAC address access control, Network Access Protection (NAP), ARP spoofing prevention, WLAN partition</p> <p>The Access point support Local/POP3/RADIUS/PassCode/LDAP authentication for captive portal</p> <p>The Access point should have built-in internal RADIUS server allowing users to create their accounts within the device itself</p> <p>Telnet</p> <ul style="list-style-type: none"> • Secure Telnet (SSH) • Web (HTTP), Secure Socket Layer (SSL), Traffic control, SNMP v1/v2c/v3 , <p>The AP should have Maximum Power Consumption • 16 W</p> <p>Temperature • Operating: 0 to 40°C (32 to 104°F) • Storage: -20 to 65°C (-4 to 149°F)</p> <p>FCC, CE, MTCTE</p> <p>The AP should be supplied with Wall and ceiling mounting bracket</p>
33	<p>Network Item: Outdoor wireless AP Gigabit LAN(PoE Supported) AC 1100 Mbps: Standard</p> <p>The Access Point should be compliant with IEEE 802.11a/b/g/n/ac/ax, IEEE 802.3u/ab, IEEE 802.3az Energy-Efficient Ethernet (EEE), IEEE 802.3at PoE, Wave 2 wireless interface</p> <p>The Access Point support WPA-PSK/WPA2-PSK/WPA3-PSK & Enterprise and RADIUS client, and Cipher negotiation, SSID broadcast disable, MAC address access control, internal RADIUS server</p> <p>The Access point should support MU-MIMO slices through congestion, reducing wait time for all users, Support Wi-Fi 6 delivers greater network efficiency and lower latency, with nearly four times the capacity of previous Wi-Fi standards</p> <p>The Access Point should be compliant with IEEE 802.3af and 802.3at for providing PoE based power</p> <p>The Access point should support Band Steering makes sure connected devices get the best available frequency band</p> <p>Interface and antenna</p> <p>Minimum 2x2 internal PIFA dual band total 4 antenna design with high power & performance 5 dBi (2.4 GHz), 7.3 dBi (5 GHz)</p> <p>Support 2.4 - 2.483 GHz, 5.15 - 5.35 GHz, 5.47 - 5.85 GHz</p>



	Access Point should provide Maximum Output Power 23 dBm (2.4 GHz), 22 dBm (5 GHz)
	Access Point should support Up to 3000 Mbps , Up to 574 Mbps for 2.4 GHz and up to 2402 Mbps for 5 GHz
	Access point must have 1 x RJ45 console port, 1 x 10/100/1000/2500 Ethernet (PoE) LAN port, factory reset button
	Management
	The AP should support Software controller and Hardware controller of same OEM
	The Access point should support SNMP v1, v2c, v3
	Security & Certification
	SSID broadcast disable, MAC address access control, Network Access Protection (NAP), ARP spoofing prevention, WLAN partition
	The Access point support Local/POP3/RADIUS/PassCode/LDAP authentication for captive portal
	The Access point should have built-in internal RADIUS server allowing users to create their accounts within the device itself
	Telnet
	<ul style="list-style-type: none"> • Secure Telnet (SSH) • Web (HTTP), Secure Socket Layer (SSL), Traffic control, SNMP v1/v2c/v3 ,
	The AP should have Maximum Power Consumption 14.07 W by ADP, 16.7 W by PoE
	The AP should be IP68 water and dust-proof housing for outdoor environments
	Weather resistant from temperatures between Temperature Operating: -30°C and 60°C
	The AP should have Breathable pores to repel liquid water while allowing for heat and humidity dissipation
	FCC, CE, T for certifying the conformity of telecom products with established standards in India
	The AP should be supplied with Wall and Pole mounting bracket
	The Wireless AP and PoE switch should be from same OEM
34	24 Port Switch 10/100/1000 Managed PoE Switch
	Port Configuration & Hardware Interfaces
	Switch should have 24x 10/100/1000BASE-T ports Ports with 4 10G SFP+ ports for uplink purpose
	Switch should have Console Port (RJ-45) for out-of-band CLI management, provide a direct, physical connection to the switch for management tasks, which can be especially useful if remote management is not possible
	Switch should have 16K MAC Address and 12MB Packet buffer memory
	Switch should have 128 Gbps Switching capacity and 95 Mpps packet forwarding rate
	Power Support and Energy Efficiency:
	The Switch should support Power Input 100 to 240 VAC 50/60 Hz with Maximum Power Consumption should be not more than 30 W , while Standby Power Consumption should not be more than 9 W
	The Switch Operating Temperature should be -5 to 50 °C (32 to 122 °F) with Storage Temperature • -20 to 70 °C (-40 to 158 °F)
	The Switch should support Surge Protection upto 6 kV surge protection on all Ethernet access ports
	Switch should support Energy-Efficient Ethernet (EEE) standard and save power with shutoff LED and port shut-off and power on link while there is no activity and draw power only as per cable length used , Also the complete switch can be hibernated during off period i.e. Night to save power.
	Layer 2 Features
	Switch should support 802.3x Flow Control with HOL blocking, Switch should support 802.1D, 802.1w , 802.1s. It also support Root Guard and Loop Guard



	Switch should support jumbo Frame: up to 12 Kbytes
	Switch should support 802.1AX Link Aggregation, Max. 8 groups per device, 8 ports per group
	Switch should support Port Mirroring (One-to-One, Many-to-One) , also Supports Mirroring for Tx/Rx/Both,
	Switch should support Remote Switched Port Analyzer, to takes a mirrored copy of network traffic from within the switch to be sent to a destination.
	Layer 3 Features
	Switch should support 4 IP interfaces , support Static Route,124 IPv4 static route entries • 50 IPv6 static route entries
	QoS (Quality of Service):
	Switch should support Queue Handling Strict Priority (SP), Weighted Round Robin (WRR) and Strict + WRR , Bandwidth Control with min granularity 10/100/1000 is 16 Kbps)
	Switch should support QoS based on Time , CoS , Switch port, Inner/outer 802.1p Priority , MAC address, Ether Type, IP address, ToS/IP Preference, DSCP, Protocol type, TCP/UDP port, IPv6 Traffic Class,
	Security Features:
	Switch should support 64MAC addresses per port for connected devices, thus preventing unauthorized access and mitigating security risks.
	Switch should support Broadcast/Multicast/Unicast Storm Control for effectively manage and mitigate the impact of excessive traffic on their network infrastructure, ensuring optimal performance and reliability by using any specific protocl.
	Switch should support DHCP Server Screening to prevent rogue DHCP servers from distributing incorrect or malicious IP configuration information to network
	switch should support Dynamic ARP Inspection to avoid traffic interception, packet sniffing, or denial of service attacks.
	Switch should support IP-MAC-Port binding in association with IP Source Guard, DHCP snooping and Dynamic ARP Inspection (DAI)
	Switch should support SSL, TLS 1.0/1.1/1.2, SSH
	OAM and AAA services
	Switch should support Cable Diagnostics,
	Certifications / 3rd Party Approval:
	The Switch should carry Safety Certifications i.e. cUL, CB, CE, CCC, BSMI and EMI/EMC certification i.e. CE, FCC Class A, C-Tick, VCCI, BSMI, CCC
	The Switch should carry MTCTE certificate for certifying the conformity of telecom products with established standards in India
35	Network Item: Outdoor wireless AP LAN(PoE Supported) AC 300 Mbps with poe injector Encryption WEP 64/128 bit Encryption Series PoE Series Model Wireless PoE Outdoor 2.4 GHz Networking Antenna 2 dBi Antenna Wireless Speed 300 mbps Transmit Power 29.55 dBm Frequency Band 2.4-2.4835 Ghz Compliance Supported Standards IEEE 802.11 b/g/n, IEEE 802.3u, IEEE 802.3, IEEE 802.3af
36	24 port sfp switch l3 switch manageable switch:



	a) 24 x SFP ports • 2 x 10GBASE-T ports • 4 x 10G SFP+ ports
	b) DPS-500A
	c) 10/100/1000BASE-T RJ-45 port for out-of-band CLI management consol port
	d) 10/100/1000BASE-T RJ-45 port for out-of-band IP management
	e) stacking port :- 4
	f) USB Ports • 1 x USB 2.0 Type A port
	g) Switching Capacity • 168 Gbps 64-Byte Packet Forwarding Rate • 125 Mpps
	h) Packet Buffer Memory • 2 MB
	i) MTBF (Hours):487,153 hours
	j) Power Input • 100 to 240 VAC, 50 to 60 Hz
	k) Operation Temperature • 0 to 50 °C (32 to 122 °F)
	l) Storage Temperature • -40 to 70 °C (-40 to 158 °F)
	m) Operating Humidity • 10% to 90% RH
	n) Storage Humidity • 5% to 90% RH
	o) Emission (EMI) • FCC Class A, CE Class A, VCCI Class A, IC, RCM, BSMI, CCC
	p) Safety • CB, CUL, BSMI, CCC
37	ONU (Optical Network Unit) Fibre Device Match LB-Link It takes the PTMP (point to multi-point) network topology, effectively collects and converges scattered Ethernet services, and provides the 10/100/1000M Ethernet; monitoring, fault isolation and security management, etc. It supports remote management through OLT and local console management as well. standard RJ45 interface smoothly interconnects with existing networks. protocol based on IEEE 802.3 ah, including configuration, alarm, performance. The Dynamic Bandwidth Allocation (DBA) mechanism enables all users to share up to 1.6Gbps bandwidth reasonably, guaranteeing a reliable QoS. Full management through an Operation Administration Maintenance (OAM) Supports IGMP multicast, effective use of broadband; Supports multicast VLAN; Supports FEC and DBA; Supports IEEE802.1Q VLAN protocol.
38	Long Range Smart Manage Outdoor CPE 12dBi, 5km+ Point to Point Wireless Bridge Fast Ethernet PoE Ports AP/Station/WISP/P2MP/Repeater/Router 6KV Lightning Protection, White

1. **The Bid validity period shall be up to one year. The Bid is for a Rate Contract.**
The rate contract shall be entered, for price without a commitment for quantity of subject matter of procurement, with the bidder of lowest priced bid or most advantageous bid.
2. Rate contracts may be entered with more than one bidder as parallel rate contracts in the order of their standing in final evaluation, by giving them counter offer of prices of the lowest or most advantageous bidder, in order to secure prompt delivery of goods or services or execution of works, if the quantity of the subject matter of



procurement required is beyond the capacity of the lowest bidder or the subject matter of procurement is of critical or vital nature.

3. The prices under a rate contract shall be subject to price fall clause. A clause regarding price fall shall be incorporated in the terms and conditions of rate contract. Price fall clause is a price safety mechanism in rate contracts and it provides that if the rate contract holder quotes / reduces its price to render similar goods, works or services at a price lower than the rate contract price to anyone in the State at any time during the currency of the rate contract, the rate contract price shall be automatically reduced with effect from the date of reducing or quoting lower price, for all delivery of the subject matter of procurement under that rate contract and the rate contract shall be amended accordingly.
4. Repeat order for additional quantities may be placed up to one year. The value of the additional quantities may be up to 50% of the value of goods of the original Contract at the rates and conditions given in the Contract.

DIRECTOR,
UNIVERSITY COMPUTER CENTRE,
MLSU, UDAIPUR

I/we hereby declare that I/we read carefully all the Installation, Warranty and Service requirements for services/equipments and I/we hereby agree to accept these requirements.

Place :

Date :

SIGNATURE OF THE TENDERER
(With seal)



ELIGIBILITY CRITERIA

The Contractor/firms shall furnish the following documents attached with the quotation for Technical Bid failing which the bid will be rejected summarily.

1. Proof of GST, if applicable
2. PAN No. of the firm. PAN No. on the name other than the firm should not be accepted.
3. Bidder must have been in the concerned business during last three years.
4. **Average Turnover should be equal to or greater than tender value** for preceding three year, duly certified by C.A.
5. The firm should not have been black listed from any Govt./Ministry/PSU Organization (Submit an undertaking)
6. Bidder must fill the Technical BID Form to be Technical fit
7. T.D.S will be deducted from the bill @ 2 % or as per Govt. rules at the time of payment by the concerning DDO's.
8. **Bid and offers of the firm shall be valid for a period of one year from the date of issue of Purchase Order.**

**DIRECTOR,
UNIVERSITY COMPUTER CENTRE,
MLSU,UDAIPUR**



GENERAL TERMS AND CONDITIONS OF BID

NOTE: Bidders should read these conditions carefully and comply strictly while sending their bids. If a bid has any doubt regarding the interpretation of any of the conditions or specification mentioned in the bid notice, he should before submitting the bid, refer these to the undersigned and obtain clarification.

The decision of the University regarding the interpretation of the conditions and specifications shall be final and binding on the Bidders.

1. Definition

- (i) The term '*the contract*' shall mean the invitation to the bid the instructions to the Bidders the bid acceptance of bid hereinafter defined and those general conditions and special condition that may be added.
- (ii) The term *the contractor* shall mean the person, firm or company with whom the order for supply is placed. In the case of the person, it shall be deemed to include his successors, heir and legal representatives where the context so admits.
- (iii) The term *delivery* shall mean delivery by the dates and the places specified in the bid form and/or order/issued after the acceptance letter from time to time of stores which are acceptable by the Indenting officer/the **Director, University Computer Centre, Mohanlal Sukhadia University** or the central stores purchase committee of the university and not the submission of stores which are not to the required standard.
- (iv) The term *Purchase Committee* shall mean the Committee constituted by the Mohanlal Sukhadia University.
- (v) The term *bid* means tender and *bidder* means tenderer.
- (vi) The terms 'Bid deposit' and 'Earnest money deposit' have same meaning.

2. The bids should be sent to **Director, University Computer Centre, Mohanlal Sukhadia University, Udaipur 313001 (Rajasthan)** under a registered A.D. cover or speed post etc. duly sealed and marked with the item name of the bid, bid Code No., so as to reach before the due date and time. If bids are delivered by hand, a receipt should be obtained. Any bid received after the due date and time shall not be considered. The bids will be opened on the date and time mentioned in the bid documents before the members of a committee appointed for this purpose by the **Director, University Computer Centre**, or by **Comptroller of Mohanlal Sukhadia University Udaipur**. Bidders are at liberty to be present or authorize not more than one representative to be present at the time of opening of bids on the above mentioned date and time.

3. Bidders will have to submit invariably an income tax clearance certificate from the income tax officer of the circle concerned along technical bid.

4. The bid should be filled in blue ink or typed. No bid filled with pencil shall be considered.

5. (i) Rates must be written both in words and figures. There should no alterations or Overwriting in the bid and information given in the bid should be unambiguous language. Where any alteration is made, it should be made clearly and should be dated and initialled by the Bidder failing which such quotation will be ignored. No paper shall be detached from the bid form.



- (ii) Rates quoted must be F.O.R to this office address that is: **University Computer Centre, Mohanlal Sukhadia University, Udaipur - 313001 (Rajasthan) India** and include all charges and taxes.
- (iii) If any time during the period of contract the contractor reduces the sale price of such stores to any other person at a price lower than the price approved under the bid, he shall forthwith notify such reduction or sale to the **Director, University Computer Centre, Mohanlal Sukhadia University** and the price payable under the contract for the stores supplied after the date of coming into force of such reduction in sale shall be correspondingly reduced. The successful Bidder shall furnish certificate to the effect that the provision of this clause has been fully complied with in respect to supplies made or billed for up to the date of certificate. The successful Bidders shall furnish this certificate to **Director, University Computer Centre, Mohanlal Sukhadia University** at the beginning and in every six month thereafter during the currency of the contract and at the end of the contract period that they had complied with this clause of the conditions.
6. The Bidder is not expected to quote for more than one quality where the specification are fairly clear and not more than two in any case. If any bid will quote for more than two qualities, his rates may not be considered at all in respect of those items.
7. **Bid and offers of the firm shall be valid for a period of one year from the date of issue of Purchase Order.**
8. (i) Bidders hereby are explicitly warned that individual signing the bid must specify as follows:-
(a) Whether signing as Sole Proprietor of the firm.
(b) Whether signing as a registered active partner of the firm.
(c) In the case of Companies and Registered firms whether signing as Secretary, Manager, Partner, Director, etc. and how individuals so signing are authorized to do so. A copy of the document under which such authority is given should be submit with the bid, if a copy has not already been sent to **Director, University Computer Centre, Mohanlal Sukhadia University, Udaipur -313001 (Rajasthan).**
- (ii) Except specified places, Bidder should sign the bid form at the end of the first and last pages of the bid as a token of his acceptance of all the terms and conditions of the bid. He should also sign at each page of the bid on which rates are quoted and also at all the specified places.
- (iii) If the Bidder rescinds from his offers or puts new terms after opening of the bid, his earnest money is liable to be forfeited.
- (iv) The submission of more than one bid for the one and same category and under different names is prohibited. If it is discovered that this condition has been violated, the bid will be rejected or contract will be cancelled and the earnest money (Bid deposit) or security deposit(s) will be forfeited by the University.



9. The bid must be accompanied by an Earnest Money (bid deposit) as demanded in the NIB without which it will not be considered and rejected outright. The bid form fee and earnest money should be remitted in any one of the following forms **and must be submitted along with the technical bid :-**
- (i) Deposit Receipt of the recognized banks, which should be made in the name of **Director, University Computer Centre, Mohanlal Sukhadia University, Udaipur 313001 (Rajasthan).**
 - (ii) Bank Drafts, of any scheduled bank in the name of **Director, University Computer Centre, Mohanlal Sukhadia University, Udaipur 313001 (Rajasthan). (Payable at Udaipur)**
 - (iii) Cheque and FDR are not acceptable in any case.
 - (a) It is emphasized that no bid will be considered without earnest money (bid deposit) and if it is not in the form specified above. Request for adjustment of previous security/earnest money or deduction of amount from the earnest money from pending bills will not be considered.
 - (b) The earnest money will be refunded to an unsuccessful Bidder after final acceptance of the bid for these firms, whose bids are accepted. Earnest money will be retained as security for the full period of contract and it will be refunded within **one year** after the expiry of contract, provided there is no **complaint** from any of the purchasing officers in University.
10. Successful Bidders will have to execute an agreement in the prescribed form with the **Director, University Computer Centre**, on a non- judicial stamp paper of Rs. 500/- which will be purchased by the contractor in his name and on his own cost, within period specified in the letter from the date on which the acceptance of the bid is communicated to him.
11. The contractor will be held responsible for goods being sufficiently and properly packed for transport by rail or road transport so as to ensure their being free from loss and breakage till the delivery of goods at the stores of the purchasing officer. All packing cases, containers and other allied material shall be supplied free of cost by the contractor and the same will not be returned to him. If he so desires, the contractor may insure valuable goods and loss or damage, breakage, leakage or shortage discovered at the destination by the consignee, the contractor shall be liable to make the same good at his own cost. The contractor may keep or depute any of his representatives to watch any damage or loss discovered at the destination to verify the same if he so likes for his satisfaction.
12. The successful bidder shall not assign or sublet the contract or any part thereof to any other party.



- 13.
- i. All goods must be sent freight paid. If goods are sent freight together with a penalty of 10% of the freight will be recovered from the supplier's bills.
 - ii. Each bale or package shall contain a packing note quoting the acceptance order or supply order No., date and showing its contents in detail.
 - iii. Payment for the supply shall be due and payable by the purchasing officer to whom supply is made when the goods is delivered strictly in accordance of the supply ordered and when the goods are found to the standard required.
 - iv. All the goods supplied shall be of the best quality to the specification, trade mark laid down for them and in strict accordance and equal to the approved standard samples and in case of any material of which there are no standard approved samples shall be of the very best quality and description obtainable in India. The decision of the Purchasing officer, the Central Stores Purchase Committee of the university shall be final as the standard quality of goods and binding upon the bids and in case any of the articles supplied not being approved they shall be liable to be rejected and any expense or loss caused to supplier as a result of rejection of supplies, shall be entirely on contractor's account.
 - v. The rejected articles must be removed by the bid from the destination where they lie within 30 days from the date of rejection notice. The officials will take Reasonable care of such materials but will not be responsible for any loss or damage that may occur to it while it is on their premises.

14.

The material ordered will have to be supplied with in normally one month for General equipments, one month for the computer & accessories, electronic items, software, etc. from the date of placing the order to the concerned authority of Mohanlal Sukhadia University.

- i. The material will have to be **delivered at the University Computer Centre, Mohanlal Sukhadia University, Udaipur, Store Premises.**
- ii. The Purchasing Officer on the request of contractor may at his discretion allow extension of time for the period which he considers proper or refuse.
- iii. In case the supply is not made according to the order in full within the period mentioned in the order the earnest money will be forfeited.
- iv. When the Bidder is unable to complete the supply within either the specified or extended period the purchasing officer shall be entitled to purchase the goods from elsewhere without notice to the Bidder but on his (i.e. Bidder's) account and risk, the goods or any part thereof which the Bidder has failed to supply, or if not available the best and nearest available Substitute thereof or to cancel the contract and the Bidder shall be liable to pay for any loss or damage which the purchasing officer may sustain by reason or such failure on the part of Bidder. But the Bidder shall not be entitled to any gain on such purchase made against default. The recovery of such loss or damage shall be made from any sums accruing to the Bidder under this or any other contract within the university. If recovery is not possible from the bill and Bidder fails to pay the loss or damage within one month of the demand, the recovery shall be made under the Rajasthan Public Demand Recovery Act, 1952 or any other law for the time being in force.
- v. While making the risk purchasing the purchasing officer may exercise his own discretion and if possible resort to limited bid system issuing short term notice



irrespective of the valuation of the bid. In all cases, where order is cancelled due to non-supply of goods, it will be treated as a breach of the contract and the Purchasing officer shall take action accordingly.

Note: It is clarified that purchasing officer may resort to risk purchase without granting any extension as provided in earlier condition.

- vii. When the contractor is unable to complete the supply within the specified or extended period, the **Director, University Computer Centre, Mohanlal Sukhadia University** shall be entitled to forfeit the earnest money/security money in full or any part as he may deem fit, if no risk purchase have been made as provided above.

When the earnest money/security money in full part is proposed to be forfeited, a show cause notice will be given to the contractor to show cause within 10 days for not making the supplies in time and why the earnest money/security money in full or in part set should not be forfeited.

15.

- i. The quantities for the various items in the bid are approximate and the subject to variation. The supplies will have to be made according to requirements as and when orders are placed throughout the contract period.
- ii. If order are placed in excess of the quantities shown in the bid form, the contractor will be bound to meet the required excess supply up to 50% of the bided quantity besides that notified in the bid, on the same rates and conditions. If the contractor fails to do so the purchasing officer shall be free to arrange for the balance supply by re-BID or otherwise and the extra cost incurred, shall be recoverable from the defaulting contractor. If the contractor fails to pay it within one month of the demand, the recovery shall be made under the Rajasthan Public Demand Recovery Act., 1952 or any other law for the time being in force.
- iii. If the purchases of the items approved are not made at all or purchases are made less than the quantity indicate in the bid the will not be entitled to any claim or compensation whatsoever on his account.

16.

- i. All articles supplied shall strictly confirm to the specification laid down in the bid form. The decision of the purchasing officer /central stores purchase committee whether the articles supplied confirm to the specification and are in accordance with the bid shall be final and binding on the contractor.
- ii. The contractor for the supply can be repudiated at any time by the **Director, University Computer Centre** if the supplies are not made to his satisfaction after giving an opportunity to the contractor of being heard and the reason of repudiation shall be recorded by the Comptroller, Mohanlal Sukhadia University.

- 17.** Remittance charges on payment made to the firms will be borne by the firms or the contractor.



18. Bidders are requested to send with their bids printed descriptive literature, catalogue, photo literature of the articles if any for convincing about the quality and usage of the articles but direct/indirect canvassing on the part of Bidders or their representatives after the submission of the bid shall disqualify their bids.
19. The **Director, University Computer Centre, Mohanlal Sukhadia University** reserves the right to accept any bid not necessary to lowest, reject any bid without assigning any reason and accept any bid for all or any one or more items or the articles for which bid has been given.
20. It is made clear that bid must be submitted accurately in accordance with the condition of the bid and the necessary documents must be invariably be enclosed where demanded. In the event of non-submission of these essential documents, the bid shall not be considered and shall be treated as rejected without notice or any reference. The following documents when furnished must hold good for the entire period of the bid, failing which these will be considered as invalid documents:-

Documents to prove the capacity of the Bidder as:
manager/proprietor/partner/managing partner/director/secretary/sole distributor /manufacture.

All documents be submitted in Self-attested form.

21. The Bidder should not quote their own conditions while submitting the bids. Any counter condition or counter proposals submitted by the Bidder will not be considered at all. If the Bidder imposes condition which are in addition to or in conflicting with the conditions mentioned herein, his bid is liable to summary rejection. The firms intending to get their counter or extra conditions accepted should not submit bid at all. In other words, the firm who agrees to the contents of all the conditions of the bid, need to submit the bid and when once the bid is submitted it will be considered that the Bidder agrees to all the terms and the conditions of the bid.
22. Legal proceedings, if any, arising out of this bid shall have to be lodged in courts situated in Udaipur and not elsewhere.
23. Bidders are expected to satisfy themselves that they will be able to supply the articles quoted by them in full in all circumstances, in case their bids are accepted. No plea that the manufacturer has either stopped the manufacturing or has increased the prices or that the items is not being imported due to certain difficulties, will be considered. The successful bidder will be bound to supply the ordered articles in all circumstances and on the approved rates only.
24. Bid must be submitted on the appropriate bid forms only which can be obtained on payment basis from the **Director, University Computer Centre, Mohanlal Sukhadia University (Udaipur)** as specified in the beginning of this document. The cost of bid forms will not be returned in any case. The whole set of bid form should be submitted after quoting the prices of each items in the space provided. No items should be left blank, if the Bidder does not wish quote for some items, words: "NO



QUOTATION” against such items should be mentioned. Bidder should keep one copy of the bid form, out of the two supplied to him as his office copy.

25. Where a particular make or size is stated in the bid form no alternative should be suggested which will be ignored and the Bidder shall be assumed to have quoted for the items and their specification mentioned in the bid form.
26. The decision of the **Director, University Computer Centre, Mohanlal Sukhadia University, (Udaipur)** in all matters to the bid will be final and binding upon the Bidders.
27. **No, sooner the Bidders are informed of the acceptance of the bid then the approved bidder shall have to deposit the security money at the rate of 2.5% of the total value of the quality of the articles mentioned in the bid.** No extra amount of security money shall be demanded from the bidder for such approved articles exceeding Rs 50,000/-.
28. The earnest money deposited at the time of submission of bid will be automatically converted into security money and if the amount of security is more than the earnest money deposited than the remaining amount of security money will have to be remitted by the contractor. Similarly if the amount of security money comes less than the earnest money deposited, then the required security money be kept and the rest may be refunded.
29. The Bidder shall on intimation of acceptance of the bid form to the **Director, University Computer Centre, Mohanlal Sukhadia University, Udaipur 313001, Rajasthan** shall submit an agreement bond on non- judicial stamp of Rs 500/- or 0.25% supply order for prompt supplies, within period specified in the letter and also deposit the amount of security money if required under above terms and condition along with the agreement bond failing which the earnest money deposited with the bid will be forfeited.
30. The provisions of **RTPP Act, 2013** and rules thereto shall be applicable for this procurement. Furthermore, in case of any inconsistency in any of the bidding document with the RTPP Act, 2018 (second amendment) and Rules thereto (amended upto 25-07-2019), the later shall prevail.

SIGNATURE OF AUTHORISED SIGNATORY

RUBBER STAMP OF THE FIRM



SPECIAL TERMS AND CONDITIONS OF BID

1. Bid should be sent to the Director, University Computer Centre, Mohanlal Sukhadia University, Udaipur (RAJ.) 313001, under a Registered cover or by speed post etc. in a double cover envelope duly sealed and marked the item No., Item Name and bid No, Due Date so as to reach this office on or before due date and time. There must be two envelopes inside the outer single envelope containing bids submitted by the bidder.
 - (i) TECHNICAL bid must be in a sealed envelope containing all technical documents and supporting documents. Kindly put company/firms stamp on all documents. PLEASE DO NOT ENCLOSE/QUOTE PRICE/COST WITH THE TECHNICAL BID DOCUMENTS. TECHNICAL BID WILL BE REJECTED IF THE FIRM QUOTES RATES WITH ANY TECHNICAL BID DOCUMENT. **Further the EMD and tender fee must be enclosed along with technical bid.**
 - (ii) FINANCIAL BID should be in a separate sealed envelope containing financial bid form. All rates must be quoted without any corrections. Bids without all the above documents will be rejected and no further communication will be entertained by the University.
TECHNICAL BID WILL BE OPENED ON THE DAY OF OPENING OF BIDS. THE DAY & TIME FOR FINANCIAL BID WILL BE ANNOUNCED DURING THE OPENING OF TECHNICAL BIDS.
2. The inner and outer bid envelopes shall
 - i. Bear the name and address of the Bidder
 - ii. Should be addressed to the bidding authority
 - iii. Bear the specific identification of this bidding process pursuant to NIB and any additional information as specified in the bidding document
 - iv. Bear a warning not to open before the time and date for bid opening, in accordance with the NIB
3. In case the bids are not received from sufficient number of firms upto the stipulated day and time, last date for receiving and opening the bids can be extended by the University.
4. The earnest money of unsuccessful bids shall be refunded soon after final acceptance of bids.
5. Refund of Earnest Money/ Security Deposits
 - (I) The earnest money of unsuccessful bids shall be refunded soon after final acceptance of bids.
 - (II) The security deposit shall be refunded within one month of the completion of supply of the items as per purchase order in case it is one time purchase and two months in case the delivery is staggered. It will, however, be refunded on the expiry of guarantee/warranty period where there is condition of guarantee/warranty.
6. The successful Bidders shall be required to deposit an amount of security equal to 5% of the value of the order placed with them and execute an agreement with the University on a non-judicial stamp paper (Rs 500/- or 0.25% supply order) for supply, installation, maintenance, service as per bid rules. **The Security deposit shall be refunded after one year of the expiry of the agreement contract subject to its successful completion to the satisfaction of the purchasing officer.**
7. **Forfeiture of Earnest Money:** The earnest money shall be forfeited in the following cases.



- i. When the Bidder withdraws or modifies the offer after opening of bid/before acceptance of bids.
- ii. When he does not execute the agreement, if any, prescribed within the specified time.
- iii. When he fails to commence the supply of the items as per purchase order within the time prescribed.
- iv. When the Bidder does not deposit the security money after the purchase order is issued by University.

8. Forfeiture of security deposit: Security deposit shall be forfeited in the following cases.

- i. When any terms and conditions of the contract are infringed.
- ii. When the Bidder fails to make complete supply satisfactorily.

Notice will be given to the Bidder with reasonable time before earnest money or security deposit deposited by defaulter bidder is forfeited.

8. The bid rates must be valid for a period of **one year** from the date of opening the financial bid. If the rates quoted are not valid for the above period, Bidder should mention the same explicitly in their offer. However, in the event of downward trend in the rate, university reserves the right to negotiate the rate or reduce the validity of the rate.
9. The **Director, University Computer Centre, Mohanlal Sukhadia University, Udaipur** reserve the right to accept any bid, not necessarily the lowest, reject any bid without assigning any reason and accept any bid for all or any one or more items for which bid has been submitted.
10. In case the rates quoted by all the Bidders are very high, or do not suit to the University, negotiation can be conducted with all qualified Bidders for reducing the quoted rates.
11. The contract can be repudiated at any time by the **Director, University Computer Centre, Mohanlal Sukhadia University, Udaipur** if the Purchase order is not executed in time and or to satisfaction after giving an opportunity to the contractor (bidder) for being heard.
12. The bid must be submitted accurately in accordance with the conditions of the bid and all the enclosures (duly signed and stamped) must be attached along with the bid as demanded otherwise the bid will be rejected.
13. Legal proceedings if any arising on this bid shall have to be lodged in the courts situated in Udaipur and not elsewhere.
14. The Bidder should not quote their own (means counter) conditions while submitting the bid. Any counter conditions or counter proposals submitted by the Bidder will not be considered at all. If a Bidder imposes conditions mentioned herein his bid is liable to summarily rejection. The firms intending any conditions shall not be considered in any case.



15. **RATES MUST BE QUOTED IN THE FINANCIAL BID FORM ONLY.** Rates must be quoted against each item in the bid form. Bidder should not quote the rates like open bid type. Rates quoted at any place other than bid form will not be considered.
16. **Rate must be quoted FOR Udaipur and as per financial bid form requirement.** The firm is bound to complete custom clearance and the ordered material will have to be delivered at the purchaser's office at the **suppliers cost and arrangement.**
17. Bidders are required to mention clearly the components and rate of GST along with total cost in the bid form.
18. If the Bidders fails to deliver the goods within the period specified in the purchase order, the purchase officer shall make following deductions (or as per latest cost orders in this regard)
 - (a) Delay upto 1/4th of the time period of supply: 2.5%
 - (b) Delay 1/4th and above but less than 1/2 of supply period: 5%
 - (c) Delay 1/2 and above but less than 3/4th of the supply period: 7.5%
 - (d) Delay more than 3/4th of the time period of supply: 10%If the delay is more than 15 days from the period of supply mentioned in the order, department/purchasing officer may deduct amount after evaluating loss due to the delay.
19. If the ITEMS supplied by the Bidder fail during the warranty period, the supplier is required to repair/replace faulty devices or components. If the ITEMS show frequent failure and requires frequent repair during warranty period, the supplier is required to replace the system free of cost.
20. University will not accept any advance payment terms of the Bidder. University will prefer complete payment against satisfactory installation of the items. Purchase orders costing more than Rs 1,00,000/- will be normally countersigned by the Comptroller Mohanlal Sukhadia University, Udaipur.
21. All Bidders are required to fill the enclosed Performa for Technical and general information form and technical literatures of all item quoted. Bidders are required to show the specifications mentioned in the bid form in their technical literature sheets by marking the relevant specifications.
22. Quantities mentioned in the bid form are based on requirements received from different departments/Units. Purchase orders will be released by these departments as per their requirement and payment for the same will be made by the DDO's concerned. Contractor will be required to make payment performance security (2.5% of order value) deposit to the concerned DDO's and submit copy of all the purchase orders received by them to the **Director, University Computer Centre, M.L.S.U., Udaipur** for release of security deposit and other official requirements.



OFFERS WITHOUT MANUFACTURERS PRINTED TECHNICAL LITERATURE OR TECHNICAL LITERATURE CERTIFIED BY THE MANUFACTURER MAY BE REJECTED.

- (a) ENCLOSE Product Catalogue/Brochures with Detailed Technical Specifications. If the technical specifications are not provided, the offer may be rejected.
- (b) Mention Make & Model No. of the Product in the bid form.
- (c) The manufacturer of the lab equipments must be a reputed firm. The firm must have a good network of dealers; maintenance centres/service centres all over the country. The manufacturer must have been in the business for during last five years and the manufacturer must be ISO Certified.
- (d) Bidder must have an authorized service centre facility, if required.

23. **The price should include installation/assembling charges.**

24. **"Items will be evaluated based on total value, considering the overall package as a whole, rather than individual components."**

I/We hereby declare that I/We read carefully all the above mentioned SPECIAL TERMS AND CONDITIONS and General terms and conditions I/We agree to these.

Signature of the Tenderer With seal



COMPLIANCE OF THE SPECIFICATIONS

Tender No. CS/VB/MLSU/2024-25/158

Date: 29/01/2025

(The bidder must write Yes/ No against each specifications of the equipment. In case of any deviation, bidders need to mention explicitly)

Technical Specifications/Scope of Work		Compliance (Yes/No)	Deviation, If Any
01	UTP CABLE 1 Box color (305 meters)		
	Type:-UTP, Category:-Cat6 , colour Blue		
	10BASE-T, 100BASE-TX Fast Ethernet, 1000BASE-T,10GBASE-T (IEEE802.3)		
	This cable well exceeds the requirements of TIA/EIA-568-C.2 and ISO/IEC 11801		
	Construction: 4 twisted pairs separated by internal X shaped, 4 channel, polymer spine / full separator. Half shall not be accepted.		
	The 4 pair Unshielded Twisted Pair cable shall be UL Listed.		
	Conductor Solid bare Copper and Jacket FR PVC and UL approved CM rated cable		
	CAT 6 Cable with zero bit error rate of 1000BASE-T protocol, certificate must be attached		
	CAT 6 Cable must be with Performance Testing of a cabling according to ANSI/TIA 568-2-D 4 connector channel, for all component certificate must be atatched		
02	LC-LC SM PATCH CORD		
	PATCH CORD LC-LC SM DUPLEX Type=Duplex 3.0mm		
	Length=1 m		
	Connector Type=LC-LC		
	Insertion Loss =<0.2 dB ,MAX <0.3dB		
03	SC-SC SM PATCH CORD		
	PATCH CORD SC-LC SM DUPLEX Type=Duplex 3.0mm		
	Type=Duplex 3.0mm		
	Length=1 m		
	Connector Type=SC-SC		
	Insertion Loss =<0.2 dB ,MAX <0.3dB		



04	ST-LC SM PATCH CORD		
	PATCH CORD ST-LC SM DUPLEX Type=Duplex 3.0mm		
	Type=Duplex 3.0mm		
	Length=1 m		
	Connector Type=ST-LC		
	Insertion Loss =<0.2 dB ,MAX <0.3dB		
05	ST-SC SM PATCH CORD		
	PATCH CORD ST-SC SM DUPLEX Type=Duplex 3.0mm		
	Type=Duplex 3.0mm		
	Length=1 m		
	Connector Type=ST-LC		
	Insertion Loss =<0.2 dB ,MAX <0.3dB		
06	SC SM PIGTAIL		
	pigtail SM Simplex		
	Type= Simplex 3.0mm		
	Length=1 m		
	Connector Type=SC		
	Insertion Loss =<0.2 dB ,MAX <0.3dB		
07	SC SM COUPLER (Simplex)		
	Single mode SM (Single)		
08	SC SM COUPLER (Duplex)		
	Single mode SM (Dual/ duplex)		
09	RJ-45 CONNECTOR		
	CAT 6		
10	Single I/O box		
	Fully loaded with single Face plate, wall plate and CAT6 jack (Yellow for Data)		



11	Dual I/O box		
	Fully loaded with dual Face plate, wall plate and dual CAT6 jack (Yellow for Data)		
12	Fiber Cable Single Mode		
	6 Core Fiber Cable Outdoor Armored SM HDPE Sheath Number of Cores=6 Type=Single Mode Outdoor Armored		
13	Fiber Cable Single Mode		
	12 Core Fiber Cable Outdoor Armored SM HDPE Sheath Number of Core =12 Type=Single Mode Outdoor Armored		
14	Fiber Cable Single Mode		
	24 Core Fiber Cable Outdoor Armored SM HDPE Sheath Number of Core =24 Type=Single Mode Outdoor Armored		
15	Fiber Cable Jointer Box (Lightweight, Airtight & waterproof)		
	Dimensions : Min. Length 403mm, Max. Diameter 220mm Cable ports : 1 oval port and 4 small round ports Cable Diameter: 8mm – 25mm Max. Capacity (Bunchy Fiber): 96 fibers Core capacity per tray : 24 Sealing structure: Heat-shrinkable sealing Protection Grade IP65		
16	Indoor Outdoor FTTH Fiber Optic Termination Box ABS Body Material Fiber Distribution Panel PC+ABS material used ensures the body strong and light Wet-proof, water-proof, dust-proof, anti-aging Easy installations: Ready for wall mount – installation kits provided Space saving: Double-layer design for easier installation and maintenances Protection level up to IP53-IP55 Cabinet can be installed by the way of wall-mounted or poled-mounted, suitable for both indoor and outdoor uses Distribution panel can be flipped up, feeder cable can be placed in a cup-joint way, easy for maintenance and installation Cable,pigtails,patch cords are running through own path without disturbing each other, cassette type SC adapt or installation, easy maintenance		
17	2U RACK		
	Rack With Cable manager, Fan and PDU.The Rack Should be wall mount 2U in hight and Conforms to DIN 41494 or equivalent ISO Standards		



18	4U RACK		
	Rack With Cable manager, Fan and PDU.The Rack Should be wall mount 6U in hight and Conforms to DIN 41494 or equivalent ISO Standards		
19	6U RACK		
	Rack With Cable manager, Fan and PDU.The Rack Should be wall mount 6U in hight and Conforms to DIN 41494 or equivalent ISO Standards		
20	9U RACK		
	Rack With Cable manager, Fan and PDU.The Rack Should be wall mount 9U in hight and Conforms to DIN 41494 or equivalent ISO Standards		
21	27U RACK		
	Rack With Cable manager, Fan and PDU.The Rack Should be floor mount 27 U in hight and Conforms to DIN 41494 or equivalent ISO Standards		
22	6 PORT LIU Unloaded		
	1.2 mm steel sheet for strong housing		
	Slim 1 Unit Mounting Height		
	Front-mounted cable saddles for jumper management		
	Can manage both splices and terminations		
	Preassembled shelves in multiple configurations		
	Rubber fiber slotted bracket built-in, metal splice shelf to protect the fibers		
	2 fiber spools built-in for 900 μm tight buffered fiber storing		
	Capable of storing up to 3 meters of 900 μm tight buffered fiber per adapter		



23	12 PORT LIU Unloaded		
	1.2 mm steel sheet for strong housing		
	Slim 1 Unit Mounting Height		
	Front-mounted cable saddles for jumper management		
	Can manage both splices and terminations		
	Preassembled shelves in multiple configurations		
	Rubber fiber slotted bracket built-in, metal splice shelf to protect the fibers		
	2 fiber spools built-in for 900 µm tight buffered fiber storing		
	Capable of storing up to 3 meters of 900 µm tight buffered fiber per adapter		
	Ball bearing slid rails with Positive stop		
	All racks and copper and Fiber component should be from single OEM for easy integration , whose MAF is attached with Bid		
24	24 PORT LIU Unloaded		
	1.2 mm steel sheet for strong housing		
	Slim 1 Unit Mounting Height		
	Front-mounted cable saddles for jumper management		
	Can manage both splices and terminations		
	Preassembled shelves in multiple configurations		
	Rubber fiber slotted bracket built-in, metal splice shelf to protect the fibers		
	2 fiber spools built-in for 900 µm tight buffered fiber storing		
	Capable of storing up to 3 meters of 900 µm tight buffered fiber per adapter		
	Ball bearing slid rails with Positive stop		
	25	SC SM COUPLER (Simplex)	
Single mode SM (Single)			
26	IO PUNCH DOWN TOOL punch down tool, which can also be named an RJ45 punch down tool, or Krone tool, is a hand tool widely used to terminate the Ethernet cables by inserting the cable wires into the insulation-displacement connectors (IDC) on the punch down blocks, patch panels, keystone modules, and surface mount of boxes.		



27	OTDR Machine		
	Optical Time Domain Reflectometer SM 1310/1550nm 26/24 dB OTDR Tester with SC FC ST LC Adapters, Multi-function Fiber Optic Tools OTDR, 4.3-inch Touch Screen Color LCD One Key Operation		
	Able to generate different forms of test reports according to user need		
	TOP : Otdr / Ls Port , Opm Port, Vfl Port, Flashlight, Tf Card, Type C Usb		
	MAIN VIEW : Dust Cover, 4.3 inch color LCD, Function Key, Charging Indicator, Power On Status Indicator		
	User friendly interface, totally simulate the computer keyboard input		
28	Crimping Tool with tester		
	Suitable for network cable with RJ45 Connector and ADSL Cable with RJ11 Connect.		
	Suitable for Cat5 and Cat5e cable with 8P8C, 6P6C and 4P4C plugs		
	For network installations up to 100 Mbps 10Base-T Ethernet and Token Ring.		
	Battery included		
	Double colour grip 150b wire cutter included		
29	24 Port Switch 10/100/1000 Managed PoE Switch		
	Switch should have 24x 10/100/1000BASE-T PoE ports Ports with 4 x10G SFP+ ports for uplink purpose		
	Switch should have Console Port (RJ-45) for out-of-band CLI management, provide a direct, physical connection to the switch for management tasks, which can be especially useful if remote management is not possible		
	Switch should have 16K MAC Address and 2 MB Packet buffer memory		
	Switch should have 128 Gbps Switching capacity and 95 Mpps packet forwarding rate		
30	Media Convertor		
	Converts 1000 Base - T to 1000 Base – LX		
	Fiber wavelength:-1300NM		
	max distance:-10KM		
	Ports:- One RJ - 45 and Duplex Fiber port (SC type connector)		
	MODE:- SINGLE MODE		
	Operating Temperature:- 0° C to 50° C		
	Storage Temperature:- -20° C to 70° C		
	MTBF (hours):- 10,0000hours		
	Operating Voltage:- AC 240V or DC +5V		



31	<p>Network Item: SFP + 10G MODULE (SM) :</p> <p>LC Port Types, 10GBASE-LR SFP+ Transceiver (w/o DDM)</p> <p>Full Duplex 802.3x Flow Control</p> <p>Optical Receiver Sensitivity= - 14dBm Min. (dBm)</p> <p>Type=Single mode</p> <p>Hot Pluggable</p>		
32	<p>Network Item: Indoor wireless AP Gigabit LAN(PoE Supported) AC 1800 Mbps:</p> <p>Standard</p> <p>The Access Point should be compliant with IEEE 802.3ab, IEEE 802.3u, IEEE 802.3az IEEE 802.11a/b/g/n/ac/ax Wave 2 wireless interface</p> <p>The Access Point support WPA/WPA2/WPA3™ Personal/Enterprise, WEP 64/128-bit, SSID broadcast disable, MAC address access control, internal RADIUS server</p> <p>The Access point should support MU-MIMO slices through congestion, reducing wait time for all users, Support Wi-Fi 6 delivers greater network efficiency and lower latency, with nearly four times the capacity of previous Wi-Fi standards</p> <p>The Access Point should be compliant with IEEE 802.3af and 802.3at for providing PoE based power</p> <p>The Access point should support Band Steering makes sure connected devices get the best available frequency band</p> <p>Interface and antenna</p> <p>Minimum 2 x dual-band internal antennas 3.2 dBi antenna for 2.4 Ghz & internal 4.3 dBi antenna for 5 Ghz</p> <p>Support 2.4 - 2.483 GHz, 5.15 - 5.35 GHz, 5.47 - 5.85 GHz</p> <p>Access Point should provide Maximum Output Power 23 dBm in 2.4 GHz band & 26 dBm 5 GHz band:</p> <p>Access Point should support Up to 1800 Mbps</p> <p>Access point must have 1 x RJ45 console port for Debugging, 1 x 10/100/1000 Ethernet (PoE) LAN, factory reset, power input</p> <p>Management</p> <p>The AP should support Software controller and Hardware controller of same OEM</p> <p>The Access point should support SNMP v1, v2c, v3</p> <p>The Access point should have support for Other Features Fast Roaming Support with 802.11k,802.11v, and 802.11r and Passpoint Hotspot 2.0 Support</p> <p>Security & Certification</p> <p>WPA-Personal, WPA-Enterprise, WPA2-Personal, WPA2-Enterprise, WEP 64/128-bit encryption, SSID broadcast disable, MAC address access control, Network Access Protection (NAP),ARP spoofing prevention, WLAN partition</p> <p>The Access point support Local/POP3/RADIUS/PassCode/LDAP authentication for captive portal</p> <p>The Access point should have built-in internal RADIUS server allowing</p>		



	<p>users to create their accounts within the device itself</p> <p>Telnet</p> <ul style="list-style-type: none"> • Secure Telnet (SSH) • Web (HTTP), Secure Socket Layer (SSL), Traffic control, SNMP v1/v2c/v3 , <p>The AP should have Maximum Power Consumption • 16 W</p> <p>Temperature • Operating: 0 to 40°C (32 to 104°F) • Storage: -20 to 65°C (-4 to 149°F)</p> <p>FCC, CE, MTCTE</p> <p>The AP should be supplied with Wall and ceiling mounting bracket</p>		
33	<p>Network Item: Outdoor wireless AP Gigabit LAN(PoE Supported) AC 1100 Mbps:</p> <p>Standard</p> <p>The Access Point should be compliant with IEEE 802.11a/b/g/n/ac/ax, IEEE 802.3u/ab, IEEE 802.3az Energy-Efficient Ethernet (EEE), IEEE 802.3at PoE, Wave 2 wireless interface</p> <p>The Access Point support WPA-PSK/WPA2-PSK/WPA3-PSK & Enterprise and RADIUS client, and Cipher negotiation, SSID broadcast disable, MAC address access control, internal RADIUS server</p> <p>The Access point should support MU-MIMO slices through congestion, reducing wait time for all users, Support Wi-Fi 6 delivers greater network efficiency and lower latency, with nearly four times the capacity of previous Wi-Fi standards</p> <p>The Access Point should be compliant with IEEE 802.3af and 802.3at for providing PoE based power</p> <p>The Access point should support Band Steering makes sure connected devices get the best available frequency band</p> <p>Interface and antenna</p> <p>Minimum 2x2 internal PIFA dual band toatl 4 antenna design with high power & performance 5 dBi (2.4 GHz), 7.3 dBi (5 GHz)</p> <p>Support 2.4 - 2.483 GHz, 5.15 - 5.35 GHz, 5.47 - 5.85 GHz</p> <p>Access Point should provide Maximum Output Power 23 dBm (2.4 GHz), 22 dBm (5 GHz)</p> <p>Access Point should support Up to 3000 Mbps , Up to 574 Mbps for 2.4 GHz and up to 2402 Mbps for 5 GHz</p> <p>Access point must have 1 x RJ45 console port, 1 x 10/100/1000/2500 Ethernet (PoE) LAN port, factory reset button</p> <p>Management</p> <p>The AP should support Software controller and Hardware controller of same OEM</p> <p>The Access point should support SNMP v1, v2c, v3</p> <p>Security & Certification</p> <p>SSID broadcast disable, MAC address access control, Network Access Protection (NAP), ARP spoofing prevention, WLAN partition</p> <p>The Access point support Local/POP3/RADIUS/PassCode/LDAP authentication for captive portal</p> <p>The Access point should have built-in internal RADIUS server allowing users to create their accounts within the device itself</p> <p>Telnet</p>		



	<ul style="list-style-type: none"> • Secure Telnet (SSH) • Web (HTTP), Secure Socket Layer (SSL), Traffic control, SNMP v1/v2c/v3 , <p>The AP should have Maximum Power Consumption 14.07 W by ADP, 16.7 W by PoE</p> <p>The AP should be IP68 water and dust-proof housing for outdoor environments</p> <p>Weather resistant from temperatures between Temperature Operating: -30°C and 60°C</p> <p>The AP should have Breathable pores to repel liquid water while allowing for heat and humidity dissipation</p> <p>FCC, CE, T for certifying the conformity of telecom products with established standards in India</p> <p>The AP should be supplied with Wall and Pole mounting bracket</p> <p>The Wireless AP and PoE switch should be from same OEM</p>		
34	<p>24 Port Switch 10/100/1000 Managed PoE Switch</p> <p>Port Configuration & Hardware Interfaces</p> <p>Switch should have 24x 10/100/1000BASE-T ports Ports with 4 10G SFP+ ports for uplink purpose</p> <p>Switch should have Console Port (RJ-45) for out-of-band CLI management, provide a direct, physical connection to the switch for management tasks, which can be especially useful if remote management is not possible</p> <p>Switch should have 16K MAC Address and 12MB Packet buffer memory</p> <p>Switch should have 128 Gbps Switching capacity and 95 Mpps packet forwarding rate</p> <p>Power Support and Energy Efficiency:</p> <p>The Switch should support Power Input 100 to 240 VAC 50/60 Hz with Maximum Power Consumption should be not more than 30 W , while Standby Power Consumption should not be more than 9 W</p> <p>The Switch Operating Temperature should be -5 to 50 °C (32 to 122 °F) with Storage Temperature • -20 to 70 °C (-40 to 158 °F)</p> <p>The Switch should support Surge Protection upto 6 kV surge protection on all Ethernet access ports</p> <p>Switch should support Energy-Efficient Ethernet (EEE) standard and save power with shutoff LED and port shut-off and power on link while there is no activity and draw power only as per cable length used , Also the complete switch can be hibernated during off period i.e. Night to save power.</p> <p>Layer 2 Features</p> <p>Switch should support 802.3x Flow Control with HOL blocking, Switch should support 802.1D, 802.1w , 802.1s. It also support Root Guard and Loop Guard</p> <p>Switch should support jumbo Frame: up to 12 Kbytes</p> <p>Switch should support 802.1AX Link Aggregation, Max. 8 groups per device, 8 ports per group</p> <p>Switch should support Port Mirroring (One-to-One, Many-to-One) , also Supports Mirroring for Tx/Rx/Both,</p>		



Switch should support Remote Switched Port Analyzer, to takes a mirrored copy of network traffic from within the switch to be sent to a destination.		
Layer 3 Features		
Switch should support 4 IP interfaces , support Static Route,124 IPv4 static route entries <ul style="list-style-type: none"> • 50 IPv6 static route entries 		
QoS (Quality of Service):		
Switch should support Queue Handling Strict Priority (SP), Weighted Round Robin (WRR) and Strict + WRR , Bandwidth Control with min granularity 10/100/1000 is 16 Kbps)		
Switch should support QoS based on Time , CoS , Switch port, Inner/outer 802.1p Priority , MAC address, Ether Type, IP address, ToS/IP Preference, DSCP, Protocol type, TCP/UDP port, IPv6 Traffic Class,		
Security Features:		
Switch should support 64MAC addresses per port for connected devices, thus preventing unauthorized access and mitigating security risks.		
Switch should support Broadcast/Multicast/Unicast Storm Control for effectively manage and mitigate the impact of excessive traffic on their network infrastructure, ensuring optimal performance and reliability by using any specific protocol.		
Switch should support DHCP Server Screening to prevent rogue DHCP servers from distributing incorrect or malicious IP configuration information to network		
switch should support Dynamic ARP Inspection to avoid traffic interception, packet sniffing, or denial of service attacks.		
Switch should support IP-MAC-Port binding in association with IP Source Guard, DHCP snooping and Dynamic ARP Inspection (DAI)		
Switch should support SSL, TLS 1.0/1.1/1.2, SSH		
OAM and AAA services		
Switch should support Cable Diagnostics,		
Certifications / 3rd Party Approval:		
The Switch should carry Safety Certifications i.e. cUL, CB, CE, CCC, BSMI and EMI/EMC certification i.e. CE, FCC Class A, C-Tick, VCCI, BSMI, CCC		
The Switch should carry MTCTE certificate for certifying the conformity of telecom products with established standards in India		



35	<p>Network Item: Outdoor wireless AP LAN(PoE Supported) AC 300 Mbps with poe injector Encryption WEP 64/128 bit Encryption Series PoE Series Model Wireless PoE Outdoor 2.4 GHz Networking Antenna 2 dBi Antenna Wireless Speed 300 mbps Transmit Power 29.55 dBm Frequency Band 2.4-2.4835 Ghz Compliance Supported Standards IEEE 802.11 b/g/n, IEEE 802.3u, IEEE 802.3, IEEE 802.3af</p>		
36	<p>24 port sfp switch l3 switch manageable switch:</p> <p>a) 24 x SFP ports • 2 x 10GBASE-T ports • 4 x 10G SFP+ ports</p> <p>b) DPS-500A</p> <p>c) 10/100/1000BASE-T RJ-45 port for out-of-band CLI management consol port</p> <p>d) 10/100/1000BASE-T RJ-45 port for out-of-band IP management</p> <p>e) stacking port :- 4</p> <p>f) USB Ports • 1 x USB 2.0 Type A port</p> <p>g) Switching Capacity • 168 Gbps 64-Byte Packet Forwarding Rate • 125 Mpps</p> <p>h) Packet Buffer Memory • 2 MB</p> <p>i) MTBF (Hours):487,153 hours</p> <p>j) Power Input • 100 to 240 VAC, 50 to 60 Hz</p> <p>k) Operation Temperature • 0 to 50 °C (32 to 122 °F)</p> <p>l) Storage Temperature • -40 to 70 °C (-40 to 158 °F)</p> <p>m) Operating Humidity • 10% to 90% RH</p> <p>n) Storage Humidity • 5% to 90% RH</p> <p>o) Emission (EMI) • FCC Class A, CE Class A, VCCI Class A, IC, RCM, BSMI, CCC</p> <p>p) Safety • CB, CUL, BSMI, CCC</p>		
37	<p>ONU (Optical Network Unit) Fibre Device Match LB-Link It takes the PTMP (point to multi-point)network topology, effectively collects and converges scattered Ethernet services, and provides the 10/100/1000M Etherne; monitoring, fault isolation and security management, etc. It supports remote management through OLT and local console management as well. standard RJ45 interface smoothly interconnects with existing networks. protocol based on IEEE 802.3 ah, including configuration, alarm, performance. The Dynamic Bandwidth Allocation (DBA) mechanism enables all users to share up to 1.6Gbps bandwidth reasonably,</p>		



	guaranteeing a reliable QoS. Full management through an Operation Administration Maintenance (OAM) Supports IGMP multicast, effective use of broadband; Supports multicast VLAN; Supports FEC and DBA; Supports IEEE802.1Q VLAN protocol.		
38	Long Range Smart Manage Outdoor CPE 12dBi, 5km+ Point to Point Wireless Bridge Fast Ethernet PoE Ports AP/Station/WISP/P2MP/Repeater/Router 6KV Lightning Protection, White		

Signature of the Authorized Signatory

Rubber stamp of the firm



Technical Bid Form

Tender No. CS/VB/MLSU/2024-25/158

Date: 29/01/2025

S.No.	Particular	Information to be provided by the bidder
1	Name of the Bidder with complete address of the bidder	
2	Name of contact person with Mobile number and E-mail address	
3	Details of Earnest Money Deposit made	Tender fee Rs. : DDNo. EMD: Rs. : DD No.
4	Registration number & date of establishment of the firm copy of registration should be attached as a proof.	Enclosure Page No.
5	Whether your firm has been blacklisted by any Government/ PSU /Board / University. Submit an undertaking Submit an undertaking on Non-judicial stamp of Rs. 100. The same should be submitted in Department in hard copy	Enclosure Page No.
6	Average turnover of rupees INR 10 lakhs in previous three financial year of Firm is required. FY 2021-22 FY 2022-23 FY 2023-24	Enclosure Page No.
7	Bidders should submit bid specific authorization and compliance sheet on OEM letterhead.	Enclosure Page No.
8	Bidder must attach copy of purchase order/work order from any government bodies to prove the prior experience. (Enclose work order/satisfactory completion certificate giving cost of work carried out during last one year)	Enclosure Page No.
9	OEM Test Report: The bidder must provide a test report from the Original Equipment Manufacturer (OEM) for the supplied material, which should match the OEM whose Material Authorization Form	Enclosure Page No.



	(MAF) and compliance documents have been submitted.	
10	OEM Warranty Statement: The bidder must submit an OEM warranty statement, duly signed and stamped, including the serial number of the material.	Enclosure Page No.
11	Copy of GST Registration (Attach copy)	Enclosure Page No.
12	PAN No. of the Firm (Attach copy)	Enclosure Page No.
13	Annexure A-D Duly signed	Enclosure Page No.
14	Make & Model	Enclosure Page No.

DECLARATION

I/We hereby declare that I/We have read all the General, Special Terms and Conditions and Scope of work & specifications of the bid items of the University and I/We agree to these terms and conditions.

**SIGNATURE OF THE BIDDER
WITH THE FIRM'S RUBBER STAMP**



FINACIAL BID FORM

(Please submit in a separate sealed envelope)

Tender No. CS/VB/MLSU/2024-25/158

Date:29/01/2025

Name of Bidder:

Address:

Technical Specifications/Scope of Work		Rate per item excluding taxes	Amount of taxes	Total amount including taxes
01	UTP CABLE 1 Box color (305 meters)			
	Type:-UTP, Category:-Cat6 , colour Blue			
	10BASE-T, 100BASE-TX Fast Ethernet, 1000BASE-T,10GBASE-T (IEEE802.3)			
	This cable well exceeds the requirements of TIA/EIA-568-C.2 and ISO/IEC 11801			
	Construction: 4 twisted pairs separated by internal X shaped, 4 channel, polymer spine / full separator. Half shall not be accepted.			
	The 4 pair Unshielded Twisted Pair cable shall be UL Listed.			
	Conductor Solid bare Copper and Jacket FR PVC and UL approved CM rated cable			
	CAT 6 Cable with zero bit error rate of 1000BASE-T protocol, certificate must be attached			
	CAT 6 Cable must be with Performance Testing of a cabling according to ANSI/TIA 568-2-D 4 connector channel, for all component certificate must be attached			
02	LC-LC SM PATCH CORD			
	PATCH CORD LC-LC SM DUPLEX Type=Duplex 3.0mm			
	Length=1 m			
	Connector Type=LC-LC			
	Insertion Loss =<0.2 dB ,MAX <0.3dB			



03	SC-SC SM PATCH CORD			
	PATCH CORD SC-LC SM DUPLEX Type=Duplex 3.0mm			
	Type=Duplex 3.0mm			
	Length=1 m			
	Connector Type=SC-SC			
	Insertion Loss =<0.2 dB ,MAX <0.3dB			
04	ST-LC SM PATCH CORD			
	PATCH CORD ST-LC SM DUPLEX Type=Duplex 3.0mm			
	Type=Duplex 3.0mm			
	Length=1 m			
	Connector Type=ST-LC			
	Insertion Loss =<0.2 dB ,MAX <0.3dB			
05	ST-SC SM PATCH CORD			
	PATCH CORD ST-SC SM DUPLEX Type=Duplex 3.0mm			
	Type=Duplex 3.0mm			
	Length=1 m			
	Connector Type=ST-LC			
	Insertion Loss =<0.2 dB ,MAX <0.3dB			
06	SC SM PIGTAIL			
	pigtail SM Simplex			
	Type= Simplex 3.0mm			
	Length=1 m			
	Connector Type=SC			
	Insertion Loss =<0.2 dB ,MAX <0.3dB			
07	SC SM COUPLER (Simplex)			
	Single mode SM (Single)			



08	SC SM COUPLER (Duplex)			
	Single mode SM (Dual/ duplex)			
09	RJ-45 CONNECTOR			
	CAT 6			
10	Single I/O box			
	Fully loaded with single Face plate, wall plate and CAT6 jack (Yellow for Data)			
11	Dual I/O box			
	Fully loaded with dual Face plate, wall plate and dual CAT6 jack (Yellow for Data)			
12	Fiber Cable Single Mode			
	6 Core Fiber Cable Outdoor Armored SM HDPE Sheath Number of Cores=6			
	Type=Single Mode Outdoor Armored			
13	Fiber Cable Single Mode			
	12 Core Fiber Cable Outdoor Armored SM HDPE Sheath Number of Core =12			
	Type=Single Mode Outdoor Armored			
14	Fiber Cable Single Mode			
	24 Core Fiber Cable Outdoor Armored SM HDPE Sheath Number of Core =24			
	Type=Single Mode Outdoor Armored			
15	Fiber Cable Jointer Box (Lightweight, Airtight & waterproof)			
	Dimensions : Min. Length 403mm, Max. Diameter 220mm Cable ports : 1 oval port and 4 small round ports Cable Diameter: 8mm – 25mm Max. Capacity (Bunchy Fiber): 96 fibers Core capacity per tray : 24 Sealing structure: Heat-shrinkable sealing Protection Grade IP65			
16	Indoor Outdoor FTTH Fiber Optic Termination Box ABS Body Material Fiber Distribution Panel PC+ABS material used ensures the body strong and light Wet-proof, water-proof, dust-proof, anti-aging Easy installations: Ready for wall mount – installation kits provided Space saving: Double-layer design for easier installation and maintenances Protection level up to IP53-IP55 Cabinet can be installed by the way of wall-mounted or poled-mounted, suitable for both indoor and outdoor uses Distribution panel can be flipped up, feeder cable can be placed in a			



	cup-joint way, easy for maintenance and installation Cable, pigtailed, patch cords are running through own path without disturbing each other, cassette type SC adapt or installation, easy maintenance			
17	2U RACK			
	Rack With Cable manager, Fan and PDU. The Rack Should be wall mount 2U in height and Conforms to DIN 41494 or equivalent ISO Standards			
18	4U RACK			
	Rack With Cable manager, Fan and PDU. The Rack Should be wall mount 6U in height and Conforms to DIN 41494 or equivalent ISO Standards			
19	6U RACK			
	Rack With Cable manager, Fan and PDU. The Rack Should be wall mount 6U in height and Conforms to DIN 41494 or equivalent ISO Standards			
20	9U RACK			
	Rack With Cable manager, Fan and PDU. The Rack Should be wall mount 9U in height and Conforms to DIN 41494 or equivalent ISO Standards			
21	27U RACK			
	Rack With Cable manager, Fan and PDU. The Rack Should be floor mount 27 U in height and Conforms to DIN 41494 or equivalent ISO Standards			
22	6 PORT LIU Unloaded			
	1.2 mm steel sheet for strong housing			
	Slim 1 Unit Mounting Height			
	Front-mounted cable saddles for jumper management			
	Can manage both splices and terminations			
	Preassembled shelves in multiple configurations			
	Rubber fiber slotted bracket built-in, metal splice shelf to protect the fibers			
	2 fiber spools built-in for 900 μm tight buffered fiber storing			
	Capable of storing up to 3 meters of 900 μm tight buffered fiber per adapter			



23	12 PORT LIU Unloaded			
	1.2 mm steel sheet for strong housing			
	Slim 1 Unit Mounting Height			
	Front-mounted cable saddles for jumper management			
	Can manage both splices and terminations			
	Preassembled shelves in multiple configurations			
	Rubber fiber slotted bracket built-in, metal splice shelf to protect the fibers			
	2 fiber spools built-in for 900 μ m tight buffered fiber storing			
	Capable of storing up to 3 meters of 900 μ m tight buffered fiber per adapter			
	Ball bearing slid rails with Positive stop			
	All racks and copper and Fiber component should be from single OEM for easy integration , whose MAF is attached with Bid			
24	24 PORT LIU Unloaded			
	1.2 mm steel sheet for strong housing			
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	Rubber fiber slotted bracket built-in, metal splice shelf to protect the fibers			
	2 fiber spools built-in for 900 μ m tight buffered fiber storing			
	Capable of storing up to 3 meters of 900 μ m tight buffered fiber per adapter			
	Ball bearing slid rails with Positive stop			
25	SC SM COUPLER (Simplex)			
	Single mode SM (Single)			
26	IO PUNCH DOWN TOOL punch down tool, which can also be named an RJ45 punch down tool, or Krone tool, is a hand tool widely used to terminate the Ethernet cables by inserting the cable wires into the insulation-displacement connectors (IDC) on the punch down blocks, patch panels, keystone modules, and surface mount of boxes.			



27	OTDR Machine			
	Optical Time Domain Reflectometer SM 1310/1550nm 26/24 dB OTDR Tester with SC FC ST LC Adapters, Multi-function Fiber Optic Tools OTDR, 4.3-inch Touch Screen Color LCD One Key Operation			
	Able to generate different forms of test reports according to user need			
	TOP : Otdr / Ls Port , Opm Port, Vfl Port, Flashlight, Tf Card, Type C Usb			
	MAIN VIEW : Dust Cover, 4.3 inch color LCD, Function Key, Charging Indicator, Power On Status Indicator			
	User friendly interface, totally simulate the computer keyboard input			
28	Crimping Tool with tester			
	Suitable for network cable with RJ45 Connector and ADSL Cable with RJ11 Connect.			
	Suitable for Cat5 and Cat5e cable with 8P8C, 6P6C and 4P4C plugs			
	For network installations up to 100 Mbps 10Base-T Ethernet and Token Ring.			
	Battery included			
	Double colour grip 150b wire cutter included			
29	24 Port Switch 10/100/1000 Managed PoE Switch			
	Switch should have 24x 10/100/1000BASE-T PoE ports Ports with 4 x10G SFP+ ports for uplink purpose			
	Switch should have Console Port (RJ-45) for out-of-band CLI management, provide a direct, physical connection to the switch for management tasks, which can be especially useful if remote management is not possible			
	Switch should have 16K MAC Address and 2 MB Packet buffer memory			
	Switch should have 128 Gbps Switching capacity and 95 Mpps packet forwarding rate			



30	<p>Media Convertor</p> <p>Converts 1000 Base - T to 1000 Base – LX</p> <p>Fiber wavelength:-1300NM</p> <p>max distance:-10KM</p> <p>Ports:- One RJ - 45 and Duplex Fiber port (SC type connector)</p> <p>MODE:- SINGLE MODE</p> <p>Operating Temperature:- 0° C to 50° C</p> <p>Storage Temperature:- -20° C to 70° C</p> <p>MTBF (hours):- 10,0000hours</p> <p>Operating Voltage:- AC 240V or DC +5V</p>			
31	<p>Network Item: SFP + 10G MODULE (SM) :</p> <p>LC Port Types, 10GBASE-LR SFP+ Transceiver (w/o DDM)</p> <p>Full Duplex 802.3x Flow Control</p> <p>Optical Receiver Sensitivity= - 14dBm Min. (dBm)</p> <p>Type=Single mode</p> <p>Hot Pluggable</p>			
32	<p>Network Item: Indoor wireless AP Gigabit LAN(PoE Supported) AC 1800 Mbps:</p> <p>Standard</p> <p>The Access Point should be compliant with IEEE 802.3ab, IEEE 802.3u, IEEE 802.3az IEEE 802.11a/b/g/n/ac/ax Wave 2 wireless interface</p> <p>The Access Point support WPA/WPA2/WPA3™ Personal/Enterprise, WEP 64/128-bit, SSID broadcast disable, MAC address access control, internal RADIUS server</p> <p>The Access point should support MU-MIMO slices through congestion, reducing wait time for all users, Support Wi-Fi 6 delivers greater network efficiency and lower latency, with nearly four times the capacity of previous Wi-Fi standards</p> <p>The Access Point should be compliant with IEEE 802.3af and 802.3at for providing PoE based power</p> <p>The Access point should support Band Steering makes sure connected devices get the best available frequency band</p> <p>Interface and antenna</p> <p>Minimum 2 x dual-band internal antennas 3.2 dBi antenna for 2.4 Ghz & internal 4.3 dBi antenna for 5 Ghz</p> <p>Support 2.4 - 2.483 GHz, 5.15 - 5.35 GHz, 5.47 - 5.85 GHz</p> <p>Access Point should provide Maximum Output Power 23 dBm in 2.4 GHz band & 26 dBm 5 GHz band:</p> <p>Access Point should support Up to 1800 Mbps</p> <p>Access point must have 1 x RJ45 console port for Debugging, 1 x</p>			



	<p>10/100/1000 Ethernet (PoE) LAN, factory reset, power input</p> <p>Management</p> <p>The AP should support Software controller and Hardware controller of same OEM</p> <p>The Access point should support SNMP v1, v2c, v3</p> <p>The Access point should have support for Other Features Fast Roaming Support with 802.11k, 802.11v, and 802.11r and Passpoint Hotspot 2.0 Support</p> <p>Security & Certification</p> <p>WPA-Personal, WPA-Enterprise, WPA2-Personal, WPA2-Enterprise, WEP 64/128-bit encryption, SSID broadcast disable, MAC address access control, Network Access Protection (NAP), ARP spoofing prevention, WLAN partition</p> <p>The Access point support Local/POP3/RADIUS/PassCode/LDAP authentication for captive portal</p> <p>The Access point should have built-in internal RADIUS server allowing users to create their accounts within the device itself</p> <p>Telnet</p> <ul style="list-style-type: none"> • Secure Telnet (SSH) • Web (HTTP), Secure Socket Layer (SSL), Traffic control, SNMP v1/v2c/v3 , <p>The AP should have Maximum Power Consumption • 16 W</p> <p>Temperature • Operating: 0 to 40°C (32 to 104°F) • Storage: -20 to 65°C (-4 to 149°F)</p> <p>FCC, CE, MTCTE</p> <p>The AP should be supplied with Wall and ceiling mounting bracket</p>			
33	<p>Network Item: Outdoor wireless AP Gigabit LAN(PoE Supported) AC 1100 Mbps:</p> <p>Standard</p> <p>The Access Point should be compliant with IEEE 802.11a/b/g/n/ac/ax, IEEE 802.3u/ab, IEEE 802.3az Energy-Efficient Ethernet (EEE), IEEE 802.3at PoE, Wave 2 wireless interface</p> <p>The Access Point support WPA-PSK/WPA2-PSK/WPA3-PSK & Enterprise and RADIUS client, and Cipher negotiation, SSID broadcast disable, MAC address access control, internal RADIUS server</p> <p>The Access point should support MU-MIMO slices through congestion, reducing wait time for all users, Support Wi-Fi 6 delivers greater network efficiency and lower latency, with nearly four times the capacity of previous Wi-Fi standards</p> <p>The Access Point should be compliant with IEEE 802.3af and 802.3at for providing PoE based power</p> <p>The Access point should support Band Steering makes sure connected devices get the best available frequency band</p> <p>Interface and antenna</p> <p>Minimum 2x2 internal PIFA dual band total 4 antenna design with high power & performance 5 dBi (2.4 GHz), 7.3 dBi (5 GHz)</p> <p>Support 2.4 - 2.483 GHz, 5.15 - 5.35 GHz, 5.47 - 5.85 GHz</p> <p>Access Point should provide Maximum Output Power 23 dBm (2.4 GHz), 22 dBm (5 GHz)</p>			



	<p>Access Point should support Up to 3000 Mbps , Up to 574 Mbps for 2.4 GHz and up to 2402 Mbps for 5 GHz</p> <p>Access point must have 1 x RJ45 console port, 1 x 10/100/1000/2500 Ethernet (PoE) LAN port, factory reset button</p> <p>Management</p> <p>The AP should support Software controller and Hardware controller of same OEM</p> <p>The Access point should support SNMP v1, v2c, v3</p> <p>Security & Certification</p> <p>SSID broadcast disable, MAC address access control, Network Access Protection (NAP), ARP spoofing prevention, WLAN partition</p> <p>The Access point support Local/POP3/RADIUS/PassCode/LDAP authentication for captive portal</p> <p>The Access point should have built-in internal RADIUS server allowing users to create their accounts within the device itself</p> <p>Telnet</p> <ul style="list-style-type: none"> • Secure Telnet (SSH) • Web (HTTP), Secure Socket Layer (SSL), Traffic control, SNMP v1/v2c/v3 , <p>The AP should have Maximum Power Consumption 14.07 W by ADP, 16.7 W by PoE</p> <p>The AP should be IP68 water and dust-proof housing for outdoor environments</p> <p>Weather resistant from temperatures between Temperature Operating: -30°C and 60°C</p> <p>The AP should should have Breathable pores to repel liquid water while allowing for heat and humidity dissipation</p> <p>FCC, CE, T for certifying the conformity of telecom products with established standards in India</p> <p>The AP should be supplied with Wall and Pole mounting bracket</p> <p>The Wiless AP and PoE switch should be from same OEM</p>			
34	<p>24 Port Switch 10/100/1000 Managed PoE Switch</p> <p>Port Configuration & Hardware Interfaces</p> <p>Switch should have 24x 10/100/1000BASE-T ports Ports with 4 10G SFP+ ports for uplink purpose</p> <p>Switch should have Console Port (RJ-45) for out-of-band CLI management, provide a direct, physical connection to the switch for management tasks, which can be especially useful if remote management is not possible</p> <p>Switch should have 16K MAC Address and 12MB Packet buffer memory</p> <p>Switch should have 128 Gbps Switching capacity and 95 Mpps packet forwarding rate</p> <p>Power Support and Energy Efficiency:</p> <p>The Switch should support Power Input 100 to 240 VAC 50/60 Hz with Maximum Power Consumption should be not more than 30 W , while Standby Power Consumption should not be more than 9 W</p>			



<p>The Switch Operating Temperature should be -5 to 50 °C (32 to 122 °F) with Storage Temperature • -20 to 70 °C (-40 to 158 °F)</p>			
<p>The Switch should support Surge Protection upto 6 kV surge protection on all Ethernet access ports</p>			
<p>Switch should support Energy-Efficient Ethernet (EEE) standard and save power with shutoff LED and port shut-off and power on link while there is no activity and draw power only as per cable length used , Also the complete switch can be hibernated during off period i.e. Night to save power.</p>			
<p>Layer 2 Features</p>			
<p>Switch should support 802.3x Flow Control with HOL blocking, Switch should support 802.1D, 802.1w , 802.1s. It also support Root Guard and Loop Guard Switch should support jumbo Frame: up to 12 Kbytes</p>			
<p>Switch should support 802.1AX Link Aggregation, Max. 8 groups per device, 8 ports per group</p>			
<p>Switch should support Port Mirroring (One-to-One, Many-to-One) , also Supports Mirroring for Tx/Rx/Both,</p>			
<p>Switch should support Remote Switched Port Analyzer, to takes a mirrored copy of network traffic from within the switch to be sent to a destination.</p>			
<p>Layer 3 Features</p>			
<p>Switch should support 4 IP interfaces , support Static Route,124 IPv4 static route entries • 50 IPv6 static route entries</p>			
<p>QoS (Quality of Service):</p>			
<p>Switch should support Queue Handling Strict Priority (SP), Weighted Round Robin (WRR) and Strict + WRR , Bandwidth Control with min granularity 10/100/1000 is 16 Kbps)</p>			
<p>Switch should support QoS based on Time , CoS , Switch port, Inner/outer 802.1p Priority , MAC address, Ether Type, IP address, ToS/IP Preference, DSCP, Protocol type, TCP/UDP port, IPv6 Traffic Class,</p>			
<p>Security Features:</p>			
<p>Switch should support 64MAC addresses per port for connected devices, thus preventing unauthorized access and mitigating security risks.</p>			
<p>Switch should support Broadcast/Multicast/Unicast Storm Control for effectively manage and mitigate the impact of excessive traffic on their network infrastructure, ensuring optimal performance and reliability by using any specific protocol.</p>			
<p>Switch should support DHCP Server Screening to prevent rogue DHCP servers from distributing incorrect or malicious IP configuration information to network</p>			
<p>switch should support Dynamic ARP Inspection to avoid traffic interception, packet sniffing, or denial of service attacks.</p>			



	<p>Switch should support IP-MAC-Port binding in association with IP Source Guard, DHCP snooping and Dynamic ARP Inspection (DAI)</p> <p>Switch should support SSL, TLS 1.0/1.1/1.2, SSH</p> <p>OAM and AAA services</p> <p>Switch should support Cable Diagnostics,</p> <p>Certifications / 3rd Party Approval:</p> <p>The Switch should carry Safety Certifications i.e. cUL, CB, CE, CCC, BSMI and</p> <p>EMI/EMC certification i.e. CE, FCC Class A, C-Tick, VCCI, BSMI, CCC</p> <p>The Switch should carry MTCTE certificate for certifying the conformity of telecom products with established standards in India</p>			
35	<p>Network Item: Outdoor wireless AP LAN(PoE Supported) AC 300 Mbps with poe injector</p> <p>Encryption WEP 64/128 bit Encryption</p> <p>Series PoE Series</p> <p>Model Wireless PoE Outdoor 2.4 GHz</p> <p>Networking Antenna 2 dBi Antenna</p> <p>Wireless Speed 300 mbps</p> <p>Transmit Power 29.55 dBm</p> <p>Frequency Band 2.4-2.4835 Ghz</p> <p>Compliance</p> <p>Supported Standards</p> <p>IEEE 802.11 b/g/n, IEEE 802.3u, IEEE 802.3, IEEE 802.3af</p>			
36	<p>24 port sfp switch I3 switch manageable switch:</p> <p>a) 24 x SFP ports • 2 x 10GBASE-T ports • 4 x 10G SFP+ ports</p> <p>b) DPS-500A</p> <p>c) 10/100/1000BASE-T RJ-45 port for out-of-band CLI management consol port</p> <p>d) 10/100/1000BASE-T RJ-45 port for out-of-band IP management</p> <p>e) stacking port :- 4</p> <p>f) USB Ports • 1 x USB 2.0 Type A port</p> <p>g) Switching Capacity • 168 Gbps 64-Byte Packet Forwarding Rate • 125 Mpps</p> <p>h) Packet Buffer Memory • 2 MB</p> <p>i) MTBF (Hours):487,153 hours</p> <p>j) Power Input • 100 to 240 VAC, 50 to 60 Hz</p> <p>k) Operation Temperature • 0 to 50 °C (32 to 122 °F)</p> <p>l) Storage Temperature • -40 to 70 °C (-40 to 158 °F)</p> <p>m) Operating Humidity • 10% to 90% RH</p> <p>n) Storage Humidity • 5% to 90% RH</p>			



	o) Emission (EMI) • FCC Class A, CE Class A, VCCI Class A, IC, RCM, BSMI, CCC			
	p) Safety • CB, CUL, BSMI, CCC			
37	ONU (Optical Network Unit) Fibre Device Match LB-Link It takes the PTMP (point to multi-point) network topology, effectively collects and converges scattered Ethernet services, and provides the 10/100/1000M Ethernet; monitoring, fault isolation and security management, etc. It supports remote management through OLT and local console management as well. standard RJ45 interface smoothly interconnects with existing networks. protocol based on IEEE 802.3 ah, including configuration, alarm, performance. The Dynamic Bandwidth Allocation (DBA) mechanism enables all users to share up to 1.6Gbps bandwidth reasonably, guaranteeing a reliable QoS. Full management through an Operation Administration Maintenance (OAM) Supports IGMP multicast, effective use of broadband; Supports multicast VLAN; Supports FEC and DBA; Supports IEEE802.1Q VLAN protocol.			
38	Long Range Smart Manage Outdoor CPE 12dBi, 5km+ Point to Point Wireless Bridge Fast Ethernet PoE Ports AP/Station/WISP/P2MP/Repeater/Router 6KV Lightning Protection, White			

Note:

- **GST will be paid as per Govt. of India Norms**

DECLARATION

I/We hereby declare that I/We have read all the General, Special Terms and Conditions and Scope of work & specifications of the bid items of the University and I/We agree to these terms and conditions.

SIGNATURE OF THE BIDDER

WITH THE FIRM'S RUBBER STAMP



ANNEXURE A: Compliance with the code of Integrity and No Conflict of Interest

Any person participating in a procurement process shall -

- a) not offer any bribe, reward or gift or any material benefit either directly or indirectly in exchange for an unfair advantage in procurement process ;
- b) not misrepresent or omit that misleads or attempts to mislead so as to obtain a financial or other benefit or avoid an obligation;
- c) not indulge in any collusion, Bid rigging or anti-competitive behavior to impair the transparency, fairness and progress of the procurement process;
- d) not misuse any information shared between the procuring Entity and the Bidders with an intent to gain unfair advantage in the procurement process;
- e) not indulge in any coercion including impairing or harming or threatening to do the same, directly or indirectly, to any party or to its property to influence the procurement process;
- f) not obstruct any investigation or audit of a procurement process;
- g) disclose conflict of interest, if any and
- h) disclose any previous transgressions with any Entity in India or any other country during the last three years or any debarment by any other procuring entity.

Conflict of Interest:-

The bidder participating in a bidding process must not have a Conflict of Interest.

A Conflict of Interest is considered to be a situation in which a party has interests that could improperly influence that party's performance of official duties or responsibilities, contractual obligation, or compliance with applicable laws and regulations.

- i. A Bidder may be considered to be in Conflict of Interest with one or more parties in a bidding process if, including but not limited to:
 - a) have controlling partners/shareholders in common; or
 - b) receive or have received any direct or indirect subsidy from any of them; or
 - c) have the same legal representative for purposes of the Bid; or
 - d) have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the bid of another Bidder, or influence the decisions of the Procuring Entity regarding the bidding process; or
 - e) The Bidder participates in more than one Bid in a bidding process. Participation a bidder in more than one Bid will result in the disqualification of all Bids in which the bidder is involved. However, this does not limit the inclusion of the same sub-contractor, not otherwise participating as a Bidder, in more than one Bid; or
 - f) The Bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specification of the Goods, works or Services that are the subject of the Bid; or
 - g) Bidder or any of its affiliates has been hired (or is proposed to be hired) by the Procuring Entity as engineer-in-charge/ consultant for the contract.



ANNEXURE B: Declaration by the Bidder regarding Qualifications

Declaration by the Bidder

In relation to my/our Bid submitted to for procurement of
...in response to their Notice Inviting Bids No Dated..... I/we hereby
declare under section 7 of Rajasthan Transparency in public Procurement Act, 2012 (as
amended up to July 25, 2019), that:-

1. I/we possess the necessary professional, technical, financial and managerial resources and competence required by the Bidding Document issued by the Procuring Entity.
2. I/we have fulfilled my/ our obligation to pay such of the taxes payable to the Union and the State Government or any local authority a specified in the Biding Document.
3. I/ we are not insolvent, in receivership, bankrupt or being wound up, not have my/our affairs administered by a court or a judicial officer, not have my/our business activities suspended and not the subject of legal proceedings for any of the foregoing reasons.
4. I/we do not have, and our directors and officers not have, been convicted of any criminal offence related to my/our professional conduct or the making of false statements or misrepresentations as to my/our Qualification to enter in to a procurement contract within a period of three years preceding the commencement of this procurement process. Or not have been otherwise disqualification pursuant to debarment proceeding.
5. I/we do not have a conflict of interest as specified in the Act, Rules and the Bidding Document, which materially affects fair competition;

DATE:

SIGNATURE OF BIDDER

PLACE:

NAME:

DESIGNATION:

ADDRESS:



ANNEXURE C: Grievance Redressal during Procurement Process

The designation and address of the First Appellate Authority: The DIRECTOR,
UNIVERSITY COMPUTER
CENTRE,
Mohanlal Sukhadia University,
Udaipur.

The designation and address of the second Appellate authority: The Comptroller ,
Mohanlal Sukhadia University Udaipur.

(1) Filing an appeal

If any Bidder or prospective bidder is aggrieved that any decision, action or omission of the Procuring Entity is in contravention to the provisions of the Act or the Rules or the Guidelines issued there under, he may file an appeal to first Appellate Authority, as specified in the Bidding Document within a period of ten days from the date of such decision or action, omission, as the case may be, clearly giving the specific ground or grounds on which he feels aggrieved: Provided that after the declaration of a Bidder as successful the appeal may be filed only by a Bidder who has participated in procurement proceeding: Provided further that in case a Procuring Entity evaluates the Technical Bids before the opening of the Financial Bids, an appeal related to the matter of Financial Bids may be filed only by a Bidder whose Technical Bid is found to be acceptable.

- (2) The officer to whom an appeal filed under para (1) shall deal with the appeal as expeditiously as possible and shall endeavor to dispose it of within thirty days from the date of the appeal.
- (3) If the officer designated under para (1) fails to dispose of the appeal filed within the period specified in para (2), or if the Bidder or prospective bidder or the Procuring Entity is aggrieved by the order passed by the first Appellate Authority, the Bidder or prospective bidder or the procuring Entity, as the case may be, may file a second appeal to second Appellate Authority specified in the Bidding Document in this behalf within fifteen days from the expiry of the period specified in para (2) or of the date of receipt of the order passed by the First Appellate Authority, as the case may be.

(4) Appeal not to lie in certain cases

No appeal shall lie against any decision of the Procuring Entity relating to the following matters, namely:-

- (a) determination of need of procurement;
- (b) provisions limiting participation of Bidders in the Bid process;
- (c) the decision of whether or not to enter into negotiations;
- (d) cancellation of a procurement process;
- (e) applicability of the provisions of confidentiality.



(5) Form of Appeal

- (a) An appeal under para (1) or (3) above shall be in the annexed form along with as many copies as there are respondents in the appeal.
- (b) Every appeal shall be accompanied by an order appealed against, if any, affidavit verifying the facts stated in the appeal and proof of payment of fee.
- (c) Every appeal may be presented to First Appellate Authority or Second Appellate Authority, as the case may be, in person or through registered post or authorized representative.

(6) Fee for filing appeal

- (a) Fee for first appeal shall be rupees two thousand five hundred and for second appeal shall be rupees ten thousand, which shall be non-refundable.
- (b) The fee shall be paid in the form of bank demand draft or banker's cheque of a Scheduled Bank in India payable in the name of Appellate Authority concerned.

(7) Procedure for disposal of appeal

- (a) The First Appellate Authority or Second Appellate Authority, as the case may be, upon filing of appeal, shall issue notice accompanied by copy of appeal, affidavit and documents, if any, to the respondents and fix date of hearing.
- (b) On the date fixed for hearing, the First Appellate Authority or second Appellate authority, as the case may be, shall , -
 - (i) hear all the parties to appeal present before him; and
 - (ii) peruse or inspect documents, relevant records or copies there of relating to the matter.
- (c) After hearing the parties, perusal or documents and relevant records or copies thereof relating to the matter, the Appellate Authority concerned shall pass an order in writing and provide the copy of order to the parties to appeal free of cost.
- (d) The order passed under sub-clause (c) above shall also be placed on the state public procurement portal.



ANNEXURE D: Additional Conditions of Contract

1. Correction of arithmetical errors

Provided that a financial Bid is substantially responsive, the Procuring Entity will correct arithmetical errors during evaluation of Financial Bids on the following basis:

- i. if there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected, unless in the opinion of the Procuring Entity there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted shall govern and the unit price shall be corrected;
- ii. if there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and
- iii. if there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (i) and (ii) above.

If Bidder that submitted the lowest evaluated Bid does not accept the correction of errors, its bid shall be disqualified and its Bid Security shall be forfeited or its Bid Securing Declaration shall be executed.

2. Procuring Entity's Right to vary Quantities

- (i) At the time of award of contract, the quantity of Goods, works or services originally specified in the Bidding Document may be increased or decreased by a specified percentage, but such increase or decrease shall not exceed twenty percent, of the quantity specified in the Bidding Document. It shall be without any change in the unit prices or other terms and conditions contract.
- (ii) If the procuring Entity does not procure any subject matter of procurement or procures less than the quantity specified in the Bidding Document due to change in circumstances, the Bidder shall not be entitled for any claim or compensations except otherwise provided in the Condition of Contract.
- (iii) In case of procurement of Goods or services, additional quantity may be procured by placing a repeat order on the rates and conditions of the original order. However, the additional quantity shall not be more than 25% of the value of Goods of the original contract and shall be within one month from the date of expiry of last supply. If the Supplier fails to do so, the Procuring Entity shall be free to arrange for the balance supply by limited Bidding or otherwise and the extra cost incurred shall be recovered from the Supplier.

3. Dividing quantities among more than one Bidder at the time of award (in case of procurement of Goods)

As a general rule all the quantities of the subject matter of procurement shall be procured from the Bidder, whose bid is accepted. However, when it is considered that the quantity of the subject matter of procurement to be procured is very large and it may not be in the capacity of the Bidder, whose Bid is accepted, to deliver the entire quantity or when it is considered that the subject matter of procurement to be procured is of critical and vital nature, in such cases, the quantity may be divided between the Bidder, whose Bid is accepted and the second lowest Bidder or even more Bidder in that order, in a fair, transparent and equitable manner at the rates of the Bidder, whose bid is accepted.



AGREEMENT

(To be executed on a non-judicial stamp of Rajasthan state @ Rs. 500)

An agreement made thisday of

between herein after called as ‘the Supplier’), which expression shall, where the context so admits, be deemed to include his heirs successors, executors and administrators of the one part and the **Director, University Computer Centre, Mohanlal Sukhadia University, Udaipur.** herein after called ‘the Procuring Entity’ which expression shall, where the context so admits, be deemed to include his successors in office and assigns, of the other part.

WHEREAS the Procuring Entity invites Bids for certain Goods and Related Services , viz. and has accepted a Bid by the Supplier for the supply of those Goods and Related Services for the sum of (Amount in figures and words) (Hereinafter ‘the Contract Price’).

NOW THIS AGREEMENT WITNESSTH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Contract referred to.
2. The following documents shall be deemed to form and be read and construed as a part of this Agreement, viz.
 - (a) The Procuring Entity’s Notification to the Supplier of Award of Contract;
 - (b) The Bid Submission Sheet and the Price Schedule including negotiated price, if any, submitted by the Supplier;
 - (c) The Special Conditions of the Contract;
 - (d) The General Conditions of Contract;
 - (e) The SCHEDULE OF Supply;
 - (f) Instructions to Bidders;
 - (g) The Notice Inviting Bids

In the event of any discrepancy or inconsistency within the Contract, the documents shall prevail in the order listed above



3. In consideration to the payments to be made by the Procuring Entity to the Supplier as indicated in this Agreement, the Supplier hereby covenants with the Procuring Entity to provide the Goods and Related Services and to remedy defects therein in conformity in all respects with the provisions of the Contract.
4. The Procuring Entity hereby covenants to pay the Supplier in consideration of the provision of the Goods and Related Services and the remedying of the defects therein, the Contract Price or such other sum as may become payable under the Provisions of the contract at the times and in the manner prescribed by the Contract.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with the laws of the Central and the State Government on the day, month and year first mentioned herein before.

Witness 1

Signed by:

(for the Supplier)

Name

Designation.....

Address

.....

Witness 2

Signed by:

(for the Procuring Entity)

Name

Designation.....

Address

.....