

# NATIONAL LAW INSTITUTE UNIVERSITY

Kerwa Dam Road, Bhopal-462044 Email: [nliu@nliu.ac.in](mailto:nliu@nliu.ac.in)

Contact us:+91-755-2696965/970 Fax: 2696724

Date:23.10.2024

Tender fee-Rs.2000/-+18% GST



## NOTICE INVITING TENDER (Technical and Financial)

FOR

S.I.T.C of Switches (Layer-2, Layer-3), SFP 10G and Access points at NLIU, Bhopal

Last Date & Time of Submission : 13/11/2024 Up to 03:00 P.M.

Date & Time of Opening Technical Bid : 14/11/2024 at 03.30.P.M.



# NATIONAL LAW INSTITUTE UNIVERSITY

Kerwa Dam Road, Bhopal - 462044

## TENDER NOTICE- NLIU/IT-Devices/October-02

Online tenders are invited by the National Law Institute University for the following work as per tender specifications and bids have to be submitted online on Portal <https://mptenders.gov.in> as per the key dates in the notice published on the above website by the University.

Sr. No	Tender Number	Particular	Tender Cost (In Rupees) Non - Refundable	EMD (In Rupees) 5%	Date of start of downloading the document and the Last date of submission of tender document.	Due Date of opening of tender
1	NLIU/IT-Devices/October-02	S.I.T.C of Switches (Layer-2, Layer-3), SFP 10G and Access points at NLIU, Bhopal	2000 + 18 % GST	2,60,000/-	23.10.2024 To 13.11.2024	14.11.2024

### NOTE: -

- (1) Other details can be seen in the complete tender documents which shall be made available on e-portal <https://mptenders.gov.in> and [www.nliu.ac.in/tenders](http://www.nliu.ac.in/tenders) and can be downloaded from the portal.
- (2) **Tender documents can be submitted only online from e-portal <https://mptenders.gov.in>.** Details of the tender document are also visible on the website [www.nliu.ac.in/tenders](http://www.nliu.ac.in/tenders). Tender submitted in physical mode will not be accepted
- (3) The bid documents should be filled online and the documents that are to be uploaded by the bidders should be submitted online within the time schedule (Key Dates).
- (4) The relevant portion of the tender that the tenderer has to fill online would be available on the above website as per the date mentioned in the tender document. The university reserves the right to reject any or all the tenders or accept any tender in full or part as considered advantageous to the university, whether it is lowest or not, without assigning any reason whatsoever it may be.
- (5) Since the online bidders are required to sign their bid online using class III Digital Certificates only, hence they are advised to obtain the same at the earliest. Bidders intending to participate in the Tender are required to get themselves trained on the e-procurement System of MP Tender portal
- (6) The bidders are required to invariably upload the documentary evidence of submission of **EMD/TENDER COST in Envelope- A** without which online offer i.e. **Envelope – B (Technical Bid) & C (Financial Bid)** shall not be opened.
- (7) No offer will be accepted without valid Earnest Money Deposit except for MSME. At the time of opening of tender, it is revealed that EMD amount is inadequate/ any other discrepancy is noticed, the offer shall be rejected.
- (8) The corrigendum or addendum to the bidding documents, if any, as well as any change in due date(s) of the opening of the tender will be published on the website: <https://mptenders.gov.in>, the university website [www.nliu.ac.in/tenders](http://www.nliu.ac.in/tenders) and also published in newspapers. Hence, participant bidders are advised to regularly visit the websites for the latest information in this regard. The university shall not be responsible in any way for any ignorance of the bidders about the corrigendum or addendum or change in the due dates.
- (9) No physical submission of Bid is required. The date of opening of the Technical Bid shall be the date of opening of tender for all purposes.
- (10) The Tender document will be available on the portal <https://mptenders.gov.in> from 23.10.2024 at **03:00 PM and the date & time of submitting the tender on or before 13.11.2024.** The interested bidders are advised to regularly visit the portal for this purpose.
- (12) If any of the above happens to be a holiday, the next working day will be the due date.
- (13) The Tender is on "Turn Key Basis" L-1 (Lowest Rate) will be calculated on the Total Amount of all items.



**Estimated Cost of work: Rs. 52,00,000/- inclusive GST**

Online Item Rate Tenders are invited from the contractors for the work of S.I.T.C of Switches (Layer-2, Layer-3), SFP 10G and Access points at NLIU, Bhopal

The cost of the Tender Document is **Rs. 2000/-(NON-REFUNDABLE)** excluding GST @18% which should be deposited electronically. The bidder has to pay the cost after calculating the GST amount. Tender Documents without 'Cost of Tender Document' will be summarily rejected. Tender Documents without requisite EMD will be summarily rejected.

**Eligibility Criteria -**

Contractors who fulfil the following requirements shall be considered as eligible bidder:

1. Bidder should be a Company/Partnership firm/ Proprietary firm/ Agency and operational for at least 03 years (Three) as of the close date of tender. A copy of the registration shall be attached.
2. Self-attested copy of GST Number
3. Self-attested copy of PAN Number
4. Self-attested copy of Aadhar Number
5. Have completed similar nature of work in central/state/PSUs/department & Autonomous bodies/similar level highly reputed organisations as given below:
  - 01 work of 80% of the estimated cost
  - or
  - 02 work of 50% of the estimated cost
  - or
  - 03 work of 40% of the estimated cost.
6. Undertaking by the agency that he is not blacklisted in any state/central government/department/organisation. A declaration on 100/- judicial Stamp.
7. Bidder has to submit Tender Specific authorization letter for Tender participation from OEM with Seal & Sign.
8. Bidder should have valid ISO 9001 Certification to participate in the above Tender.
9. Authorized dealer for OEM products in India for last 03 Three years.
10. Primary Product OEM must have to submit an Indian CA Certified Turnover Certificate from the last 3 years.
11. A copy of the Purchase Order (PO) of the same items received from any government department shall be submitted.
12. Indian Authorised dealer must be having Turn over a minimum of 25 lakhs in each of the last 03 years CA certificate to be enclosed.

The tender document (consisting of a schedule of quantities of various types of items to be executed, the set of terms and conditions of the contract and other documents, if any) can be downloaded from the university website [www.nliu.ac.in/tenders](http://www.nliu.ac.in/tenders) or [www.mptenders.gov.in](http://www.mptenders.gov.in) from **13.11.2024 at 03:00 pm**. *The University shall not be responsible for any delay/difficulties/inaccessibility of the downloading facility for any reason whatsoever. In case of any discrepancy between the documents downloaded from the internet. No claim on this account will be entertained.*

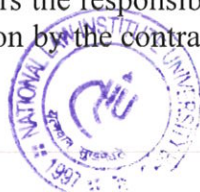
Tenders should be submitted as per the prescribed format within the specified date and time failing which the offer shall be summarily rejected. **The bid Validity period is 90 Days** from the submission of a bid. The bid will be opened on **14.11.2024 at 03:30 pm**. The University reserves the right to reject any tender without assigning any reason thereof.



**Registrar**  
**On behalf of NLIU, Bhopal**

## INSTRUCTIONS TO THE BIDDER

1. The attention of the tenderer is directed to the conditions of tender and general conditions of the contract of NLIU. The Bidder must read the terms & conditions before submission of the tender.
2. The Tenderer shall visit and inspect the site and obtain all information on his own responsibility and at his own cost, which may be necessary for the purpose of quoting and submitting the tender. No excuse or ignorance as to site conditions and local information shall be accepted after awarding the contract. All costs, charges & expenses that may be incurred in connection with the preparation of his tender shall be borne by him and the University accepts no liability whatsoever therefore. Failure by the tenderer to have done all the things, which in accordance with his condition he is deemed to have done shall not relieve the successful tenderer of the responsibility for satisfactory completion of the work as required.
3. **Pre-bid meeting: 28.10.2024 at 11:00 a.m.** All the bidders are advised to submit the queries, if any in the pre-bid meeting. Access to the site will be granted, if necessary, to the party with the prior permission of the University.
4. Material delivery time: 12 Days after Placing the Order.
5. Work completion time: 12 Days after Placing the Order.
6. The Earnest Money received shall be refunded to the unsuccessful bidders without any interest, after the finalization of the party. The Earnest Money Deposit (EMD) of the successful tenderer shall be refunded after the completion of the work.
7. Bidder must Quote all items as per OEM Warranty & Maintenance and Bidder will be responsible for complete Supply and Installation with 5 Years Warranty & Maintenance within 6 Hours after locking the complaint, must have to submit undertaking.
8. **OEM Warranty and Support**
  - a. OEM Must have Authorised Service Center in Madhya Pradesh (need to submit Documentary Proof with Bid) for 5 Year on-site New Hardware Replacement warranty after lock the call within 48 Hours (No repair products, No Refurbish, replacement with new box) and on-site support within 6 Hours, OEM Must have Warranty and support Pack Purchase Option before expiry of warranty period for Next Years.
  - b. The life cycle / End of Life of the Quoted Product is not less than 5 years from the date of Supply and Lifetime free latest firmware and technical assistance support.
  - c. OEM Must have 24x7 1800 Series Toll free Number in Local Hindi language for Warranty and Service support complaint login.
  - d. Bidder Must have to submit Compliance on OEM Letter Head along with MAF.
9. During the continuance of the Contract, the Contractor and his sub-Contractors shall abide at all times by all existing labour enactments and rules made there under, regulations, notifications and bye-laws of the State or Central Government or local authority and any other labour law (including rules), regulations, bye-laws that may be passed or notification that may be issued under any labour law in future either by the State or the Central Government or the local authority. Salient features of some of the major labour laws that are applicable to the construction industry are given in the Contract Data. The Contractor shall keep the Employer indemnified in case any action is taken against the Employer by the competent authority on account of contravention of any of the provisions of any Act or rules made there under, regulations or notifications including amendments. If the Employer is caused to pay or reimburse, such amounts as may be necessary to cause or observe, or for non-observance of the provisions stipulated in the notifications/byelaws/Acts/Rules/ regulations including amendments, if any, on the part of the Contractor, the Engineer/Employer shall have the right to deduct from any money due to the Contractor including his amount of performance security. The Employer/Engineer shall also have the right to recover from the Contractor any sum required or estimated to be required for making good the loss or damage suffered by the Employer. The employees of the Contractor and the Sub-Contractor in no case shall be treated as the employees of the Employer at any point in time.
10. The Contractor shall be responsible for:
  - a. Appropriate and Properly laying cables, and complete installation within the stipulated time
  - b. During the laying of the cables any damage occurs the responsibilities shall be on the contractor and also carry out the repair work of the damaged portion by the contractor failing which a penalty shall be imposed on the contractor.



## NECESSARY INFORMATION TO THE BIDDERS

1. The bidder shall have to submit self-certified copies of valid PAN, GST registration.
2. All Rates, Prices, Amounts and Sums quoted by the bidder shall be in INR only. The language used throughout shall be English.
3. Bidder must have a registered office in Madhya Pradesh for Onsite service support within 6 Hours after closing the complaint. Bidder must have to submit registration Government documentary proof like: Gumasta, GST Certificate, MSME, and Incorporation Certificates.
4. Bidder must Quote all items As per OEM Warranty & Maintenance and Bidder will be responsible for complete Supply and Installation with 5 Years Warranty & Maintenance within 6 Hours after locking the complaint, must have to submit undertaking.
5. Bidder must have valid ISO 9001, Valid copy required with BID and Bidder never blacklisted till date from any Government Department or PSU, must have to submit Self Declaration.
6. Tender-specific MAF to be submitted with the bid and all Products should be from the same OEM for smooth operations. The signing authority of the MAF should clearly specify his/ her Contact details to verify the MAF. and OEM Should have a Dedicated toll-free number.
7. Performance Security Deposit: - The successful tenderer will have to deposit security money in the form of FDR/TDR @5 % of contract order value within 6 days after the award of the contract for 63 Months. EMD can be converted into security deposit.
8. All Rates, Amounts & Sums shall have to be quoted in both in figures and words. If the rate quoted in words does not tally with the rate quoted in figures, then the rate which corresponds to the lesser amount shall be considered.
9. Tender must be submitted with the rates for all the items of work involved and any incomplete tender documents will not be considered. The items for which the rates are not quoted will be considered as 'Zero' & the agency shall complete that item of work without any claim.
10. No alteration shall be made by the party in the quotation and no conditional tender will be entertained. Tenders with a split rate will not be considered.
11. The bid shall remain valid for a period of **90 Days** from the date of opening of the bid. If before the expiry of the validity period or issue of work order, whichever is earlier, the bidder amends/modifies/withdraws his bid, making it unacceptable to the University, then the Earnest Money Deposit shall be liable to forfeiture at the option of the University.
12. **The Rates quoted by the party should be clear. All the columns of the price bid should be filled carefully.** No claim on this account whatsoever shall be entertained at any stage including the extended period, if any.
13. The Intending bidders will have to produce documentary evidence in original in support of their credentials before the competent authority whenever demanded verification. If any information furnished by the bidder is found false/fabricated then his bid will be rejected and treated as cancelled, even if the same is detected at any stage after signing of the contract and would lead to termination of the contract besides the forfeiture of Earnest Money Deposit (EMD) and liabilities towards prosecution under appropriate law. In such cases, the bidder/tenderer will be debarred from participation in the future tendering process.
14. Should there be any doubt or obscurity as to the meaning of any of the tender documents or if any further information is required, the tenderer must address his enquiry in writing in duplicate to Registrar, National Law Institute University, Kerwa Dam Road, Bhopal – 462044.
15. The Bids shall be received on the date and time stipulated in the Notice Inviting Tender or Corrigenda otherwise. Tenders that are received after the date and time specified will not be considered.
16. All taxes and statutory obligations will be deducted from the bill as applicable from time to time as per Govt. rules.
17. The Technical Bids will be opened on the specified date and time.



18. The University reserves the right to accept or reject any or all the offers including the lowest without assigning any reason. The Institute does not bind itself to accept the lowest offer.
19. Payment shall be made after the completion of work and the EMD of the successful bidder shall be refunded after the date of completion of work.
20. No advance payment will be made any offer linked with advance payment is likely to be ignored. Payment shall be made after the completion of works.
21. After winning the order, if you fail to complete the work your EMD will be forfeited and you will be blacklisted from participating in any future bid/tender.
22. The decision of acceptance of tender will lie with the competent authority of NLIU, who does not bind himself to accept the lowest tender and who reserves the right to himself to reject or partially accept any or all quotations received, without assigning any reason.
23. **A penalty of 1% of the total order value will be imposed per week for late completion of work or a maximum of @10% of the value of work.**
24. Financial bids of those bidders shall be opened who qualified in the Technical Bids.
25. The Employer shall be entitled to make any variation of the quality or quantity of the works or any part thereof that may, in his opinion, be necessary and for that purpose, or if for any other reason, it shall, in his opinion be desirable, he shall have the power to order the contractor to do and the contractor shall do any of the following:
  - a) Increase or decrease the quantity of any work up to plus-minus 20% included in the contract.

#### **ADDITIONAL CONDITIONS OF THE CONTRACT**

- 1 The quantities indicated are approximate and may vary at the time of execution. The University will exercise absolute discretion for operating all or some items of the schedule.
- 2 The contractor has to remove all the debris from the site of execution and dispose of them at suitable places shown by the Engineer or his authorised representative at the site.
- 3 All temporary arrangements, staging, working platforms etc. are to be provided by the tenderer at his own expense to the satisfaction of the University. The University will not, however, be liable to pay any compensation due to accident, injury to the contractor's workmen or any account whatsoever.

Irrespective of rates quoted by the bidder, the contractor shall be solely responsible for the payment of *Minimum Wages* as stipulated by the Government from time to time.



**DECLARATION**

1. I/ We hereby declare that no case is pending with the police/court against the proprietor/ firm/ partner or the company (Agency). Also, I/We have not been suspended/blacklisted by any PSU / Government Department (Central / State) / Financial Institution/ Court.
2. The vendor is to ensure that the quoted price is not more than the price offered to any other customer in India to whom this particular item has been sold recently, particularly to firms and other Govt. Organisations.

**(Signature & Seal of the Bidder)**

Place:

Date:



*(To be on Letter Head)*

**NO DEVIATION CERTIFICATE**

Notwithstanding anything mentioned in our bids, we hereby accept all the terms and conditions of this tender and we do not have any deviation to this tender enquiry. We hereby undertake and confirm that we have understood the scope of work properly and shall be carried out as mentioned in this tender enquiry.

**(Signature & Seal of the Bidder)**

Place:  
Date:





**TENDER FORM, PART- 1 : TECHNICAL BID**  
**SPECIFICATIONS FOR IT ACTIVE DEVICES {Annexure-A (Compliance Sheet)}**

Bid Document for Enterprise 10G LAN & Wi-Fi 6 Secure Network Connectivity for GIP Building				
S/N	Item Description	Make & Model	Qty.	Compliance Yes / No
<b>A</b>	<b>24 Port 10G Managed L-3 Distribution Switch</b>		<b>1</b>	
1	Managed Switch should have independent 24 x 10GE(SFP+) + 2 x 40GE(QSFP+) or Higher			
2	Switching Capacity should have minimum 800Gbps or Higher non-blocking fabric across all ports.			
3	Forwarding rate minimum: 650 Mpps (Million Packet Per Second) or Higher			
4	Should have Full L3 feature set and non-stop forwarding (NSF) stacking.			
5	Should have Mini-USB and RJ45 RS232 console ports and USB storage port.			
6	Should have support IPv4 and IPv6 from the day one with Ethernet basic features : Port based & VLAN based storm-control, Port-block(know/unknown unicast; know/unknown multicast/broadcast), Port-isolate (L2/L3/All Port-isolate), L2 Protocol Tunnel (L2 Protocol Tunnel (support CDP/CFM/DOT1X/LLDP/ SLOW - PROTO/STP/VTP), VLAN Access mode (Access/Trunk/Default VLAN), VLAN Classification (port based/mac based/IP based/protocol based), QinQ Basic (QinQ Selective, QinQ VLAN, Mapping (1:1 VLAN Translation), VLAN Statistics, Private VLAN, Voice VLAN and Guest VLAN, Link aggregation (Static-LAG & LACP, LAG load balance(RR), LAG load balance(DLB), LAG load balance(SLB)Link aggregation weighting, LAG Self-healing) and etc.			
7	Should have support Ethernet Ring protection features: xSTP (STP, RSTP, MSTP, Spanning-Tree Protocol Protection, BPDU Filter/Guard, Root Guard, Loop Guard, Anti TC-BPDU attack), ERPS, Ethernet Linear Network Protection, Single Ring, Sub Ring, Loop back detection and etc.			
8	Should have support Security and management: SSH, ACL, ARP Inspection, RADIUS, TACAS+, AAA, Dot1x, VLAN Security, IP Source Guard, Port Security, Control Plane Policy (COPP), CPU Traffic Limit, Prevent DDOS attack, Login filter Telnet/SSH ACL filtering and etc.			
9	Should have Energy Efficient Ethernet (EEE): Compliant with IEEE 802.3az Energy Efficient Ethernet Task Force.			
10	Should have support VLANs, IGMP, PIM, MVR, xSTP, ERPS and MLAGs, LAGs, EFM 802.3ah (Network fault detection, Auto detection, Network fault handle, remote loop back), CFM 802.1ag (Hardware CCM detect, MAC Ping, MAC Trace, Latency and Jitter measure, and etc.			
11	Should have support Protocol Based Vlans IP Subnet, ARP, IPX, Subnet Based VLans, MAC Based VLans, Voice VLans and private edge VxLAN, GARP , GVRP, GMRP, MVRP, VRRP, URPF and MLD Snooping etc.			
12	Should have support Storm Control, IEEE 802.3x, STP, RSTP, MSTP, PVSTP, PVRSTP, STP Loop Guard, STP Root Guard, STP BPDU Guard, STP BPDU Filtering, STP BPDU Flooding, DHCP Snooping IPv4 / IPv6, DHCP IPv4 / DHCP IPv6 Server (Stateless, Stateful) and DHCP Relay IPv4 / IPv6 etc.			
13	Should have support routing protocol Static, RIP(RIPv1/RIPv2), VRRP v3, OSPFv2 and OSPFv3, BGP 4+, IS-IS, PBR, ECMP and etc.			
14	Product must have Hot-swappable Power Redundancy Supplies with dual Hot-swappable Fan Module			
15	Should have Operating Temperature 32° to 122°F (0° to 50°C)			
16	Should have Operating Humidity 90% maximum relative humidity, non-condensing			
17	Surge Protection: Common mode 6KV, differential mode 2KV ; Electrostatic ESD: Air 8KV, Contact 6KV.			
18	OEM Must have Authorised Service Center in Madhya Pradesh (need to submit Documentary Proof with Bid) for 5 Year on-site New Hardware Replacement warranty after lock the call within 48 Hours (No repair products, No Refurbish, replacement with New box) and on-site support within 6 Hours, OEM Must have Warranty and support Pack Purchase Option before expiry of warranty period for Next Years.			
19	The life cycle / End of Life of the Quoted Product is not less than 5 years from the date of Supply and Lifetime free latest firmware and technical assistance support.			
20	OEM Must have 24x7 1800 Series Toll free Number in Local Hindi language for Warranty and Service support complaint login.			
21	Bidder Must have to submit Compliance on OEM Letter Head along with MAF.			
<b>B</b>	<b>Managed Switch PoE+ 24xGE Ports,4x10G SFP+</b>		<b>15</b>	
<b>a</b>	<b>Physical Specifications</b>			
1	Should have 24GE PoE ports, 4x10G SFP+ ports, High PoE+ capable Gigabit ports and Power Over Ethernet (PoE) Budget: 390W or Higher			
2	Management Interface 1 Console Port			
<b>b</b>	<b>Performance Specification</b>			



1	Energy Efficient Ethernet (IEEE 802.3az), IEEE 802.3ad: Standard method of performing link aggregation, IEEE 802.3ae: 10G Ethernet (optical fiber), IEEE 802.1ab: LLDP/LLDP-MED (Link Layer Discovery Protocol, IEEE 802.1p: LAN Layer 2 Qos/Cos protocol (multicast filtering function) related to traffic priority and etc.		
2	Forwarding mode: Store-forward		
3	Bandwidth: 128 Gbps non-blocking		
4	Forwarding rate minimum: 96 Mpps (Million Packet Per Second) or Higher		
5	Priority queuing: Weighted Round Robin (WRR), SP+WRR and support Industrial Ethernet Ring with Zero Delay and Zero Packet Loss		
6	MAC Address database size: 16K media access control (MAC) addresses		
7	VLAN: 4K VLAN ID		
8	1,024 Multicast Groups		
9	Support Routing Protocol: Static route, RIP, OSPF and etc.		
10	IPv4/IPv6 Dual stack		
11	512 ARP Cache entries and 512 ACL Table		
12	8K DHCP snooping bindings		
13	100 shared for MAC, IP and IPv6 ACLs		
<b>c</b>	<b>IEEE Network Protocols</b>		
1	IEEE 802.1Q VLAN Tagging		
2	IEEE 802.3x Full-Duplex Flow Control		
3	IEEE 802.1Qav1		
4	IEEE 802.3x 1 GBASE-T 1 Gbit/s Ethernet Over Copper Twisted Pair Cable		
5	IEEE 802.3ad Trunking (LACP)		
6	IEEE 802.1AB LLDP with ANSI/TIA-1057 (LLDP-MED)		
7	IEEE 802.1p Class of Service		
8	IEEE 802.1D Spanning Tree (STP); RSTP, MSTP		
9	IEEE 802.3x RADIUS Network Access Control		
10	RADIUS AAA based VLAN assignment via .1x, MAC-based .1x		
11	Network Storm Protection		
12	Broadcast, Unicast, Multicast Protection		
13	Access Control Lists (ACLs) L2 / L3 / L4		
14	DiffServ QoS		
15	WRR (Weighted Round Robin)		
16	Audio Video Bridging Systems (IEEE 802.1BA)		
17	Auto-VoIP : Yes, based on protocols (SIP, H323 and SCCP) or on OUI bytes (default database and user-based OUIs) in the phone source MAC address		
18	IEEE 802.3ad - LAGs		
19	Multicast VLAN Registration (MVR)		
<b>d</b>	<b>Network Security and Traffic</b>		
1	IEEE 802.3ad - LAGs		
2	# of LAGs / # of members in each LAG : 26 LAGs with max 8 members in each LAG		
3	Stacking Interface : 10G SFP+		
4	Stacking bandwidth : 40G bi-directional		
5	IPv6 management, Port security and IP+MAC+port binding, Anti-attack from DDoS, Broadcast/multicast/unknown, unicast storm-control, TCP's SYN Flood, UDP Flood, BPDU guard, root guard and loopback guard, GVRP and etc.		
6	CLI, Web-based graphical user interface (GUI), Console, Telnet, SSH v1/2, HTTP, HTTPS, SNMP v1/v2/v3, RMON, TFTP, FTP, SFTP, NTP, ZTP, SPAN, RSPAN		
7	Dual Software (firmware) image & Configuration File		
8	SNMP v3 with multiple IP addresses		
9	Operating Temperature: 32° to 122°F (0° to 50°C)		
10	Humidity: 95% maximum relative humidity, non-condensing		
11	Surge Protection: Common mode 6KV, differential mode 2KV ; Electrostatic ESD: Air 8KV, Contact 6KV.		
<b>e</b>	<b>OEM Warranty and Support</b>		
1	OEM Must have Authorised Service Center in Madhya Pradesh (need to submit Documentary Proof with Bid) for 5 Year on-site New Hardware Replacement warranty after lock the call within 48 Hours (No repair products, No Refurbish, replacement with New box) and on-site support within 6 Hours, OEM Must have Warranty and support Pack Purchase Option before expiry of warranty period for Next Years.		
2	The life cycle / End of Life of the Quoted Product is not less than 5 years from the date of Supply and Lifetime free latest firmware and technical assistance support.		



3	OEM Must have 24x7 1800 Series Toll free Number in Local Hindi language for Warranty and Service support complaint login.		
4	Bidder Must have to submit Compliance on OEM Letter Head along with MAF.		
<b>C</b>	<b>10Gig SFP+ Transceiver Modules SM</b>		<b>40</b>
1	SFP+ Transceiver, 10GBase-LR for single mode 9/125µm fiber		
2	Should have LC duplex connector		
3	Should have 10 Gigabit Ethernet up to 10 km (6.2 miles) distances with 9/125µm single mode fiber cables		
<b>b.</b>	<b>OEM Warranty and Support</b>		
1	OEM Must have Authorised Service Center in Madhya Pradesh (need to submit Documentary Proof with Bid) for 5 Year on-site New Hardware Replacement warranty after lock the call within 48 Hours (No repair products, No Refurbish, replacement with New box) and on-site support within 6 Hours, OEM Must have Warranty and support Pack Purchase Option before expiry of warranty period for Next Years.		
2	The life cycle / End of Life of the Quoted Product is not less than 5 years from the date of Supply and Lifetime free and technical assistance support.		
3	OEM Must have 24x7 1800 Series Toll free Number in Local Hindi language for Warranty and Service support complaint login.		
4	Bidder Must have to submit Compliance on OEM Letter Head along with MAF.		
<b>D</b>	<b>Dual Band Enterprise Wi-Fi6 Access point Indoor</b>		<b>98</b>
<b>a.</b>	<b>Physical Interfaces</b>		
1	High-speed 3 Gbps Wi-Fi6 11ax Indoor dual-band ceiling Access Point that provides 2.4G and 5.8GHz dual-band wireless services		
2	Wi-Fi6 802.11ax standard 4 Core Qualcomm Chipset high power industrial Ceiling Wireless Access Point support MU-MIMO, OFDMA, Seamless Roaming and Internal Build in 4*4dBi dual band MIMO Antenna.		
3	Wi-Fi6 802.11ax 2x2 MIMO technology, the wireless data rate up to 3 Gbps, meet with demand of highspeed applications such as VR/AR, 4K or 8K stream media., Power and Cloud connection; LAN speed; 2.4GHz status; 5.0GHz status		
4	Provision for power connector: DC2.0 12V 1.5A, PoE 802.3at		
<b>b.</b>	<b>Standards</b>		
1	IEEE 802.11AX, IEEE 802.11ac, IEEE 802.11n		
2	IEEE 802.11AX standard, 2.4GHz and 5GHz		
3	WMM - Wireless Multimedia Prioritization		
4	Power over Ethernet (PoE) IEEE 802.3af/802.3at		
<b>c.</b>	<b>Security</b>		
1	Wi-Fi Protected Access (WPA3)		
2	Wired Equivalent Privacy (WEP) 64-bit, 128-bit, and 156-bit encryption		
3	Wireless access control to identify authorized wireless network devices		
4	MAC address filtering with access control		
5	Security Socket Layer (SSL) remote management login		
<b>d.</b>	<b>Network Management</b>		
1	Remote configuration and management through Web browser, SNMP or Telnet		
2	SNMP management supports SNMP		
<b>e.</b>	<b>Manageability</b>		
1	As standalone, Wireless Controller, Remote Management, Cloud Management		
<b>f.</b>	<b>Advanced Wireless Features</b>		
1	Wireless Support user quantity, Max 64 users to access each band and Total 4 Band.		
2	Wireless backhaul to form Mesh Network		
3	Support firmware GUI web management, AC controller management, remote management and cloud management.		
4	Adjustable Transmit Power Control (TPC) Device detection		
5	Reboot the device: including time reboot or reboot immediately		
<b>g.</b>	<b>Other Specifications</b>		
1	PoE power consumption should not be more than 16 Watts		
2	Data Rate: 2.4G: 574Mbps; 5G: 2402Mbps		
3	Life time Free Firmware upgrade		
4	Target Wake Time (TWT)		
5	Block SSID Broadcast		
6	Interference Ability. 802.11ax support BSS Color bit and dynamic CCA-SD		
7	Ceiling mounting/ Wall mounting		
8	Bidir and MU-MIMO		
9	Deployment Options: Standalone, Mobile App.		



10	Temperature : Working: -10°C to 55°C ; Storage: -40°C to 70°C ; Humidity: 5%~95% (Non-Condensing)			
11	ESD: Air:±8K, Touch:±6K			
12	Electrical Surge: Common Mode: 2K, Differential Mode: 1K			
<b>h</b>	<b>OEM Warranty and Support</b>			
1	OEM Must have Authorised Service Center in Madhya Pradesh (need to submit Documentary Proof with Bid) for 5 Year on-site New Hardware Replacement warranty after lock the call within 48 Hours (No repair products, No Refurbish, replacement with New box) and on-site support within 6 Hours, OEM Must have Warranty and support Pack Purchase Option before expiry of warranty period for Next Years.			
2	The life cycle / End of Life of the Quoted Product is not less than 5 years from the date of Supply and Lifetime free latest firmware and technical assistance support.			
3	OEM Must have 24x7 1800 Series Toll free Number in Local Hindi language for Warranty and Service support complaint login.			
4	Bidder Must have to submit Compliance on OEM Letter Head along with MAF.			

**Name of the Firm:** \_\_\_\_\_

**Seal of the Firm:** \_\_\_\_\_

**Authorized Signature** \_\_\_\_\_



**Annexure-B**

<b><u>Sl.No</u></b>	<b><u>Documents</u></b>	<b><u>Yes/No</u></b>
<b><u>1</u></b>	Tender Form fee	
<b><u>2</u></b>	EMD	
<b><u>3</u></b>	Bidder should be a Company/Partnership firm/ Proprietary firm/ Agency and operational for at least 03 years (Three) as of the close date of tender. A copy of the registration shall be attached.	
<b><u>4</u></b>	Self-attested Copy of Pan Card	
<b><u>5</u></b>	Self-Attested Copy of Aadhar Card	
<b><u>6</u></b>	Self-Attested Copy of GST Registration	
<b><u>7</u></b>	Have completed similar nature of work in central/state/PSUs/department & Autonomous bodies/similar level highly reputed organisations as given below: 01 work of 80% of the estimated cost or 02 work of 50% of the estimated cost or 04 work of 40% of the estimated cost.	
<b><u>8</u></b>	Undertaking for Non- Blacklist Certificate	
<b><u>9</u></b>	Bidder has to submit Tender Specific authorization letter for Tender participation from OEM with Seal & Sign.	
<b><u>10</u></b>	Bidder should have valid ISO 9001 Certification to participate in the above Tender.	
<b><u>11.</u></b>	Primary Product OEM must have to submit an Indian CA Certified Turnover Certificate from the last 3 years.	
<b><u>12.</u></b>	A copy of the Purchase Order (PO) of the same items received from any government department shall be submitted.	
<b><u>13.</u></b>	Indian Authorised dealer must be having Turn over a minimum of 25 lakhs in each of the last 03 years CA certificate to be enclosed.	
<b><u>14.</u></b>	Authorized dealer for OEM Products in India for last 03 Years	



**FINANCIAL BID**

**BID OF QUANTITIES**

<u>Sl.No.</u>	<u>Name of the Item</u>	<u>Specification</u>	<u>Unit rate (In INR)</u>	<u>Quantity</u>	<u>Total Amount With GST as applicable (UNIT Rate Given Quantity)</u>
1.	24 Port 10G Managed L-3 Distribution Switch	As per the specification given in the bid document		01	
2.	Managed Switch PoE+ 24xGE Ports,4x10G SFP+			15	
3.	10Gig SFP+ Transceiver Modules SM			40	
4.	Dual Band Enterprise Wi-Fi6 Access point Indoor			98	
<b>Total</b>					
<b>Grand Total (IN INR) In Figure</b>					
<b>Total Amount In Words:</b>					

**Name of the Firm:** \_\_\_\_\_

**Seal of the Firm:** \_\_\_\_\_

**Authorized Signature** \_\_\_\_\_

