

HIGH COURT OF MADHYA PRADESH: JABALPUR

//NOTICE INVITING E-TENDER//

Sealed e-Tenders are invited by the High Court of Madhya Pradesh for the "Supply, Installation of Local Area Networking work and other related work in the High Court and District Courts in the State of Madhya Pradesh". The pre-bid meeting of the tender is scheduled on **06th April, 2026 at 11:30 A.M.** The last date of online tender submission is **27th April, 2026 before 06:00 P.M. (mandatory)**. The sealed tenders complete in all respect addressed to "**Registrar General, High Court of Madhya Pradesh, Jabalpur**" must be submitted before **05:00 P.M. on 28th April, 2026 (mandatory)**. The technical bids of the tender shall be opened online on **29th April, 2026 at 11:30 A.M.** The detailed tender document is available in the official website of the High Court of Madhya Pradesh **www.mphc.gov.in** and Government e-procurement portal **www.mptenders.gov.in**.

Sd/-

REGISTRAR GENERAL

HIGH COURT OF MADHYA PRADESH: JABALPUR

// NOTICE INVITING E-TENDER //

Ref.No.:Reg (IT) (SA)/2026/**439**

Dated:**18/03/2026**



Bid Document for

Supply, Installation of Local Area Networking and other related work in the High Court & District Courts in the State of Madhya Pradesh

Note: This document contains total **71 pages** including cover. No change and modification in the document by the bidder is permissible.

Section – I

// NOTICE INVITING E-TENDER //

Ref.No.:Reg (IT) (SA)/2026/439

Dated:18/03/2026

Subject:- Installation of Local Area Networking and other related work in the High Court and District Courts in the State of Madhya Pradesh.

The Registrar General, on behalf of High Court of Madhya Pradesh invites online tenders for Installation of Local Area Networking work and other related work in the High Court and District Courts in the State of Madhya Pradesh from Manufacturing Companies, reputed Bidders/Dealers, registered, bonafide, reputed, experienced and eligible firms who have executed similar nature of work in Court Premises/Government Ministries/Departments, Semi-government organizations including Public Sector Undertakings and reputed Private Organization with **05 Years Onsite Warranty and support** on all active and passive components and satisfying all other terms and conditions of the tender document.

Estimated Project Cost (In Rs.)	Online EMD (In Rs.)	Online Cost of Tender Document (In Rs.)	Date and Time of Pre-Bid Meeting	Last Date / Time of online tender Submission	Last Date/ Time of tender submission in hardcopy (technical bid)	Date and Time of Opening of Technical Bid (online/ hardcopy)	Time for Completion of the work / project (after release or work order)	Approx. No. of LAN Points
14 Crore	28 Lakh	10,000/-	06 th April, 2026 at 11:30 A.M. in the Committee Hall No. 03 at High Court of Madhya Pradesh, Jabalpur	27 th April, 2026 before 06:00 PM	28 th April, 2026 before 05:00 PM	29 th April, 2026 at 11:30 AM	60 days / RC	3500

- *Tender documents may be viewed or purchased online by interested and eligible bidders from the website www.mptenders.gov.in after paying Tender fee of Rs.10,000/- and Processing Fee, as applicable. The tender document is also available in website <http://www.mphc.gov.in> for reference.*

- *Bidders can submit its tender online at www.mptenders.gov.in on or before the key dates given above. The Physical copy of the technical bids must to be submitted at the address below latest by **28th April, 2026, at 05:00 P.M.***
- *All further notifications/amendments, if any shall be posted on www.mptenders.gov.in and www.mphc.gov.in only. No separate communication shall be made with individual Bidders.*
- **The financial bids are to be submitted only online and no hard copy to be submitted along with the bid.**

All other terms and conditions for submission of tender are contained in this document. If the date of submitting/opening of the Bid is declared as holiday then the bids shall be submitted / opened on next working day.

The Registrar General, High Court of Madhya Pradesh, Jabalpur (M.P.) reserves the right to accept or reject any or all bids without assigning any reason thereof.

Address for communication:

Registrar General,

High Court of Madhya Pradesh

Jabalpur (M.P.)

Email: regithcjbptd@mp.gov.in

Landline: 0761-2623358

Section – II

1. INSTRUCTIONS TO BIDDERS:

1.1 DEFINITIONS:-

- a) **“The Employer”** or **“The Purchaser”** means the "Registrar General, High Court of Madhya Pradesh, Jabalpur" and the "District Judge" of the District Courts.
- b) **“The Bidder”** means a firm which participates in the tender and submits its proposal.
- c) **“Successful Bidder”** means the Bidder, who, after the complete evaluation process, gets the Letter of Award. The Successful Bidder shall be deemed as **“Contractor”** appearing anywhere in the document.
- d) **“The Letter of Award”** means the issue of a signed letter by the Purchaser of its intention to award the work mentioning the total Contract Value. The timeline for delivery of products and services will start from the date of issue of Letter of Award.
- e) **“The Contract”** means the agreement entered into between the Employer and the Contractor, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.
- f) **“The Contractor”** means the individual or firm or OEM supplying the Goods / items and Services under this Contract.
- g) **“The Contract Price”** means the price payable to the Successful Bidder under the Letter of Award for the full and proper performance of its contractual obligations. The Contract Price shall be deemed as **“Contract Value”** appearing anywhere in the document.
- h) **“Site Acceptance Test (SAT)”** is a process of testing the contracted services provided by the Bidder at the locations specified by the Registrar General, High Court of Madhya Pradesh. SAT comprises of Product Acceptance Tests with respect to Technical Specifications and Bill of Materials as specified in this tender, checking the installation,

commissioning and integration of sub-components and integration with High Court software and acceptance of the Training at the site.

- i) **“Services”** means System Integration, Training and coordinating with the original equipment manufacturer (OEM) for installation, commissioning, system integration and maintenance for proper working of supplied equipment’s /items etc.
- j) **“NIT”** is the Notice Inviting Tender. It is essentially the Press Notification of the Tender.
- k) **“OEM”** - means Original Equipment Manufacturer and/or Original Software Developer.
- l) This tender is subject to availability of funds / Budget from the State Government.

1.2 The technical bid of the tender shall be invited in sealed envelope consisting of copy of online EMD. The bid will be made and put in the sealed single envelope containing the title “Tender for Rate contract and Installation of Local Area Networking work in the High Court of Madhya Pradesh and District Courts (District Courts and Tehsil Courts) in the State of Madhya Pradesh” and addressed to “The Registrar General, High Court of Madhya Pradesh, Jabalpur” and the technical bid must be submitted to the “Receipt / Inward Section of the High Court of M.P. before **05:00 P.M. on 28th April, 2026.**

1.3. The financial bids are to be submitted online and no hard copy to be submitted along with the bid.

1.4 The date for the schedule of key events of this tender is given asunder:-

S. N.	Events	Date
01.	Date of Pre-Bid meeting	06 th April, 2026 at 11:30 A.M. in the Committee Hall No. 03 at High Court of Madhya Pradesh, Jabalpur.
02.	Last date and time of online tender submission	27 th April, 2026 before 06:00 P.M.
03.	Last date and time of hardcopy tender submission.	28 th April, 2026 before 05:00 P.M.
04.	Date and time of opening of	29 th April, 2026 at 11:30 A.M.

	technical bids.	
05.	Date and time of opening of the price bids.	Date and time shall be communicated to all the qualified bidders.

1.5 All physical proposals have to be submitted HARD BOUND (Hard bound implies such binding between two covers through stitching or otherwise whereby it may not be possible to replace any paper without disturbing the document) form with all pages sequentially numbered either at the top or at the bottom right corner of each page. It should also have an index giving page wise information of above documents. Incomplete proposal or those received without hard bound will summarily be rejected. All the Pages and Papers to be signed and sealed by the authorized signatory of the bidder.

2. Scope of Work:-

- i. The place of installation of Local Area Network and other related work will be the High Court of Madhya Pradesh, District and Tehsil Courts in the State of Madhya Pradesh. The rates for the LAN work shall be valid for the period of two year from the date of contract. The contract may be extended further for the period of two by the High Court looking to the satisfactory services of the vendor.
- ii. It will be duty of the bidder to have the credentials of the Service Engineers/Technical Persons deputed for installation of Local Area Network work to be duly verified and certified. It means that the service engineer should not have any type of case registered against him in any Govt. Organization.
- iii. The bidder shall provide **Network Certified Engineer** to ensure proper maintenance and management of Local Area Networking work.
- iv. The bidder shall install network by laying the cables (**CAT- 6** and CAT- 6a as the case may be) level as per specifications and terms of the tender.
- v. The bidder shall install network switches with uninterrupted power supply equipment's and other peripherals necessary to make the network

functional. The UPS shall be provided by the High Court.

- vi. All the Network nodes shall be connected to Network Switches by appropriate casing covered cables.
- vii. All the hardware and the material used for installation of Local Area Networking shall be of good quality and of reputed make and brand as mentioned in the tender document.
- viii. It shall be the responsibility of the bidder to ensure connectivity of every Node with the Server installed in the Computer Room of the High Court / District Courts.
- ix. Each Network switch shall have sufficient provision of additional Nodes for future requirement.
- x. The bidder shall ensure that no damage is caused to the Building / Court premises and proper repairs and finishing is to be done after installation of the Network.
- xi. The detailed specifications of required Active and Passive components are mentioned in Section IV.

Section –III

3. Terms and Conditions for e-Tendering:-

- 3.1 For participation in e-tendering module, it is mandatory for prospective bidders to get registration on website www.mptenders.gov.in. Therefore, it is advised to all prospective bidders to get registration by making on line registration fees payment at the earliest.
- 3.2 Tender documents can be purchased **only online** on payment of tender fees and downloaded from website www.mptenders.gov.in by making online payment for the tender document fee.
- 3.3 Service and gateway charges shall be borne by the bidders.
- 3.4 Since the bidders are required to sign their bids online using class–III Digital Signature Certificate, they are advised to obtain the same at the earliest.
- 3.5 For further information regarding issue of Digital Signature Certificate, the bidders are requested to visit website www.mptenders.gov.in . Please note that it may take upto 07 to 10 working days for issue of Digital Signature Certificate. Department will not be responsible for delay in issue of Digital Signature Certificate.
- 3.6 If bidder is going first time for e-tendering, then it is obligatory on the part of bidder to fulfill all formalities such as registration, obtaining Digital Signature Certificate etc. well in advance.
- 3.7 Bidders are requested to visit our e-tendering website regularly for any clarification and / or due date extension.
- 3.8 Bidder must positively complete online e-tendering procedure at www.mptenders.gov.in
- 3.9 Department shall not be responsible in any way for delay/difficulties /inaccessibility of the downloading facility from the website for any reason whatever.
- 3.10 For any type of clarification bidders can / visit <https://mptenders.gov.in/>. In case of any assistance please call Help desk numbers 0120-4200462,

0120-4001002. Support timings: Monday to Saturday from 10:00 AM to 07:00 PM.

- 3.11 Interested bidders may attend the free training programme in Bhopal at their own cost. For further query please contact help desk.
- 3.12 The bidder who so ever is submitting the tender by his Digital Signature Certificate shall invariably upload the scanned copy of the authority letter as well as submit the copy of same in physical form with the offer of particular tender.
- 3.13 In case of any technical issue at the time of filling of bid documents the High Court of Madhya Pradesh will not be responsible for any non-submission / late submission of bid documents.**
- 3.14 The firms registered under NSIC and MSME (The vendor to be registered with both NSIC and MSME for claiming exemption of tender fees) are exempted for submission of tender fees only. But they have to submit valid EMD as per the tender requirement.**
- 3.15 The High Court of Madhya Pradesh is under process a for managed network services. If the proposal of managed network services gets executed then, LAN contract shall be terminated by High Court of M.P. after giving three month notice to the LAN vendor.

4. Other terms and conditions:-

- i. The Bidder shall complete the installation of Local Area Network or other related work within **two months (60 days)**, after the receipt of Purchase Order /Work Order failing which the penalty of **Rs. 500/-** per day per work order shall be imposed. The work order /purchase order shall be issued in phases, depending upon the requirement of the High Court of Madhya Pradesh.
- ii. The installation work shall be undertaken only by the Operator(s) duly authorized by the Registrar General to maintain the security of the High Court. The Bidder shall provide the list of technical persons in advance with their credentials to the Registrar General.
- iii. Tender document shall be available with the official website of the High Court i.e. **www.mphc.gov.in** and **Government e-procurement portal www.mptenders.gov.in**.
- iv. The technical bid of the tender shall be opened in the High Court of Madhya Pradesh, Jabalpur on **due and time**. One authorized representative of the bidder may remain present at the time of opening of the bids. Tender will be finalized after considering the proposals. All tenderers or any of the tenderer may be called for further negotiations before considering his/their proposal.
- v. The Registrar General shall have the absolute right to select/reject any tender for installation of Network on the basis of rate, quality and services proposed in the tender.
- vi. The bidder is required to submit **brochure(s) of the Hardware items (Only for switches) that is proposed to be supplied and installed for Local Area Network and other related work.**
- vii. The Registrar General has the right of accepting or rejecting any or all tenders without specifying any reason(s) thereof. The Registrar General is under no obligation to accept the lowest tender.
- viii. There is no obligation on the part of the Registrar General to inform the unsuccessful Tenderer of the outcome of the Tender process and reasons for rejection of the tender.
- ix. The successful bidder shall forthwith engage/depute qualified Service Engineers/Operators to install the Local Area Network in the High Court of Madhya Pradesh and District Courts in the State of Madhya Pradesh.

- x. In case of pecuniary loss suffered by any of the users/beneficiaries of the High Court of Madhya Pradesh or District Courts attributed to the Contractor, the Registrar General will have the right to forfeit the Security Deposit and in case the Security Deposit falls short to match the pecuniary loss being insufficient, such balance will be recovered from the payments due to the Contractor.
- xi. Rates offered in the tender will not be enhanced after acceptance of the Tender. No upward revision will be allowed under any circumstances whatsoever.
- xii. Under no circumstances, shall the bidder appoint any sub-contractor or sub-lease the contract. If it is found that the contractor has violated these conditions, the contract will be terminated forthwith without any notice, by the authority who has approved the award of the contract. The bidder can deploy subject expert from their partners, after approval of the High Court.
- xiii. The successful tenderer will be required to furnish security deposit of **03%** of the work order value within 15 days from the date of issue of Work Order. The security deposit shall be in the form of FDR through any nationalized bank in favour of Registrar General or unconditional Bank Guarantee of any Nationalized Bank of equal amount. The security deposit money will be refundable only after successful installation of Local Area Network. The security deposit will be forfeited if during the period of installation services of the bidder are found to be unsatisfactory in any respect.
- xiv. The work order can be terminated by the Registrar General at any point of time without assigning any reason if the work of the contractor is found unsatisfactory. In this respect, the decision of the Registrar General will be final and binding on the contractor. The Registrar General reserves the right to accept or reject any bid in whole or in part without assigning any reasons thereof.
- xv. The bills in triplicate for the work completed on the basis of approved rates shall have to be submitted in favour of the Registrar General / District and Sessions Judge, Jabalpur for effecting payment. No advance payment shall be made for the Job/Work done.

- xvi. The bidder shall submit the report of successful installation of Local Area Network or other Network related work, which shall be verified by the Officers nominated by the Registrar General after checking connectivity of every Node with the Server / Network Switch. With regard to successful installation of local area network, the decision of Registrar General shall be final and binding.
- xvii. The job carried out shall be to the satisfaction of the Registrar General after getting certification from the In-Charge, Computer Section of the District Courts failing which deductions upto **10%** of the total bill shall be made. Depending upon the severity of negligence, the Registrar General reserves the right to blacklist the agency for a suitable period or from further participation in any of the jobs to be done for the High Court of Madhya Pradesh, Jabalpur. The decision of the Registrar General shall be final and binding on the Firm.
- xviii. Premature withdrawal of the tender by the tenderer shall make him liable for forfeiture of the earnest money deposit.
- xix. **All the pages of the tender document should be serially numbered and duly stamped and signed by the bidder.**
- xx. The Registrar General reserves the right to review the performance whenever so desires, and also to terminate the Work Order at any point of time during the installation in case the performance and the service rendered by the Bidder is found to be unsatisfactory. The decision of the Registrar General shall be binding on the Bidder. The Word Order can also be terminated at any point of time if the above mentioned work is no more required.
- xxi. The Registrar General reserves the right to vary, amend or alter any terms and conditions of the Tender Document at the time of placement of work order and before executing the contract.

5. Eligibility Criteria:-

- i. **The Agency /Firm applying should possess valid Income Tax PAN No., GST registration no. The Agency should have a minimum experience of 05 years in Local Area networking installation work at Government Organization, Public Sector Companies and other reputed Private Organizations. Bidder should have similar work experience i.e. LAN Installation work with minimum 500 no. of nodes in single Purchase Order in last 05 years.**
- ii. Copies of the following documents should be submitted along with the Bid:

- a. GST registration.
- b. Latest GST return of the Company.
- c. Income Tax PAN Card.
- d. Income Tax Return for the last three years i.e. **2022-2023, 2023-2024 & 2024-2025.**
- e. Valid ISO /ISI Certificate of the products to be installed.
- f. Documents showing the experience of Five years in providing similar work i.e. Local Area Networking work.
- g. The online **Earnest Money Deposit (EMD) of Rs.28,00,000/-** (Rupees Twenty Eight Lakh Only) through online mode through the website **www.mptenders.gov.in** in favor of Registrar General, High Court of Madhya Pradesh, Jabalpur. The Government organizations are exempted for submission of EMD.
- h.** Non-refundable **online tender fees of Rs.10,000/-** (Rupees Ten Thousand Only) drawn in favor of Registrar General, High Court of Madhya Pradesh. ***The Government organizations are exempted for submission of tender fees.***
- i. List of existing LAN installations being maintained as per details following:
Name of the Company/Type of LAN being maintained/No. of nodes/overall turnover of the bidder.
- j. Escalation matrix for lodging the complaint during the execution of warranty period.
- k. High Court/District Courts/Tehsil Court should be able to log the call with the OEM directly online/offline for the active component. Support should be provided by the OEM directly onsite for there placement of active component for the period of 05 years.
- l. Brochures of the product with detailed specifications and MAF.
- m. The valid ISO 9001 certificate of the bidder in the field of LAN and other Network work. The Government Organization is exempted for

submission of ISO certificate of the organization as per the tender document.

- n. The Annual average turnover during last three financial years to be at least **Rs. 05 Crore.**

6. Evaluation of Bids:

6.1 The Techno-Commercial Bid and price Bid will be evaluated as a package simultaneously. It must satisfy all the terms and conditions mentioned in this document and must be accompanied by all the requisite documents.

6.2 Filling up of all the columns in Techno-Commercial Bid and Price Bid is compulsory.

7. Earnest Money Deposit:-

The proposal should be submitted along with **online application fee of Rs.10,000/- (Rupees Ten Thousand Only)** and **Earnest Money Deposit (EMD) of Rs.28,00,000/- (Rupees Twenty Eight Lakh Only)** in the form of **online mode** through e-procurement tender portal **www.mptenders.gov.in** valid for the period of 6 month in favour of “**Registrar General, High Court of Madhya Pradesh, Jabalpur**”. The Bid submitted without EMD and/or the application fee shall be summarily rejected. The earnest money will be returned to all the unsuccessful Tenderer after finalization of the Tender. No interest shall be paid on the Earnest Money Deposit for delay in return for any reason, whatsoever may be.

Section – IV

SPECIFICATIONS - Part – “A”

8. PART-1: SPECIFICATIONS OF NETWORK SWITCHES

S. No.	Item Description	OEM Make/Part No.	Proposed make /brand by the bidder	Technically Complied Yes/No
1	12 port PoE++ Network Switches (manageable) Specification- “A”	CISCO / Dell / HP / Juniper or equivalent brand of repute		
2	12 port Non PoE Network Switches (manageable) Specification- “B”	CISCO / Dell / HP / Juniper or equivalent brand of repute		
3	12 port Non PoE Aggregation Switch Specification-“C”	CISCO / Dell / HP / Juniper or equivalent brand of repute		
4	24 Port Ethernet enterprise series managed Network switch with all accessories and Power over Ethernet (PoE++) Specification- “D”	CISCO / Dell / HP / Juniper or equivalent brand of repute		
5	24 Port Ethernet enterprise series managed network switch with all accessories Non PoE Specification- “E”	CISCO / Dell / HP / Juniper or equivalent brand of repute		
6	24 Port Aggregation Ethernet enterprise series Switch managed Network switch with all accessories Non PoE Specification- “F”	CISCO / Dell / HP / Juniper or equivalent brand of repute		
7	48 Port Ethernet enterprise series managed Network switch with all accessories and Power over Ethernet (PoE++) Specification- “G”	CISCO / Dell / HP / Juniper or equivalent brand of repute		
8	48 Port Ethernet enterprise series managed network switch with all accessories Non PoE Specification- “H”	CISCO / Dell / HP / Juniper or equivalent brand of repute		
9	48 Port Aggregation L3Ethernet enterprise series Switch managed Network switch with all accessories Non PoE Specification- “I”	CISCO / Dell / HP / Juniper or equivalent brand of repute		
10	48 port POE++ Ethernet managed enterprise series SDN switch with all accessories Specification- “J”	CISCO / Dell / HP / VERSA or equivalent brand of repute		
11	48 port SFP Aggregation L3 SDN Switch Specification- “K”	CISCO / Dell / HP / VERSA or equivalent brand of repute		
12	SFP modules of SM fiber of minimum 1Gbps which should support all Network Switches.	AS per Switch OEM or OEM validated		

13	10 Gbps SFP modules of SM fiber which should support all Network Switches.	AS per Switch OEM or OEM validated		
14	10 Gbps SFP modules of MM fiber which should support all Network Switches.	AS per Switch OEM or OEM validated		
15	40 Gbps SFP modules of SM fiber which should support all Network Switches.	AS per Switch OEM or OEM validated		
16	40 Gbps SFP modules of MM fiber which should support all Network Switches.	AS per Switch OEM or OEM validated		
17	Media convertor SM (Should support 10/100/1000 Ethernet to 10/100/1000 fibers Onsite support)	Reputed make		
18	10 Gbps SFP modules (Copper) which should support all Network Switches.	AS per Switch OEM or OEM validated		
19	Stacking module with stacking cable. Should support all Network Switches.	AS per Switch OEM or OEM validated		
20	Dual Band Mesh WiFi router, minimum 1 number of Gigabit Ethernet port, 802.11ax Dual Band Mesh WiFi access point, 4x4:4 MiMo, should be expandable with smart roaming feature & it should be compatible with CISCO ISE & WLC or the vendor shall supply the controller for functioning of another make/model wifi access point.	CISCO / Netgear/Dell / HP / Juniper / Arista or equivalent brand of repute.		
21	100 Gbps SFP modules of SM/MM fiber which should support all Network Switches.	AS per Switch OEM or OEM validated		

Specification –“A”

S. N.	Item Description	OEM Make /Part No.	Proposed make /brand by the bidder	Technically Complied Yes/No
1	12 port PoE++ (802.3bt) Layer 2 Managed Network Switch	CISCO /Dell /HP /Juniper or equivalent brand of repute		
1.1	Should be suitable for Enterprise access layer deployment and should support basic Layer-2 features, including: VLANs, QoS, port security, STP/RSTP, link aggregation, Loop detection, Jumbo frame (9000), SNMP management, Mac Address learning, Frame forwarding and Filtering, Port based Switching, Port security, Storm control, IGMP snooping, Auto negotiation, Port Mirroring (Span)			
1.2	Switch should have minimum 12 ports each having 1 Gbps capacity. Switch Should have 2x10G fiber uplink ports. Switch should come with 2xSFP+ uplink module. SFP+ module should support SM and MM fiber connectivity. SFP+ module should be provided by the same OEM who will be providing switch provider OEM.			
1.3	Should Support 16000 or higher entries in MAC Table			
1.4	Minimum Switching Capacity 64 Gbps or higher.			
1.5	Minimum Forwarding capacity 47.6 Mpps or higher			
1.6	Operative temperature 0 to 40 degree C			
1.7	Should be under suitable housing as per standard and 1U Rack Mountable.			
1.8	5 Years Onsite warranty			
1.9	should come with ipv6 logo and support from day 1			
1.10	Switch should support PoE++ on all ports and deliver a power budget of 720W .			
1.11	The Switch should support integrated trusted platform module (TPM) for platform integrity.			
1.12	The switch shall support management via Web GUI, CLI, SNMP, SSH (V1/V2) and shall integrate with third-party NMS or network management platforms. Support for RESTCONF/NETCONF or equivalent APIs.			
1.13	The switch shall include certifications like IEC/UL/ RoHS/ or equivalent.			
1.14	Should have redundant Power Supplies and Fans			
1.15	Should Support Secure Boot, Image Signing and Run time integrity protection			

Specification-“B”

S. N.	Item Description	OEM Make/Part No.	Proposed make /brand by the bidder	Technical ly Complied Yes/No
2	12 port <u>Non</u> PoE Layer 2 Managed Network Switch	CISCO /Dell /HP /Juniper or equivalent brand of repute		
2.1	Should be suitable for Enterprise access layer deployment and should support basic Layer-2 features, including: VLANs, QoS, port security, STP/RSTP, link aggregation, Loop detection, Jumbo frame (9000), SNMP management, Mac Address learning, Frame forwarding and Filtering, Port based Switching, Port security, Storm control, I GMP snooping, Auto negotiation, Port Mirroring (Span)			
2.2	Switch should have minimum 12 ports each having 1 Gbps capacity. Switch Should have 2x10G fiber uplink ports. Switch should come with 2xSFP+ uplink module. SFP+ module should support SM and MM fiber connectivity. SFP+ module should be provided by the same OEM who will be providing switch.			
2.3	Should Support 16000 or higher entries in MAC Table			
2.4	Minimum Switching Capacity 64 Gbps or higher.			
2.5	Minimum Forwarding capacity 47.6 Mpps or higher			
2.6	Operative temperature 0 to 40 degree C			
2.7	Should be under suitable housing as per standard and 1U Rack Mountable.			
2.8	5 Years Onsite warranty			
2.9	should come with ipv6 logo and support from day 1			
2.10	The Switch should support integrated trusted platform module (TPM) for platform integrity.			
2.11	The switch shall support management via Web GUI, CLI, SNMP, SSH (V1/V2) and shall integrate with third-party NMS or network management platforms. Support for RESTCONF/NETCONF or equivalent APIs.			
2.12	The switch shall include certifications like IEC/UL/ RoHS/ or equivalent.			
2.13	Should have redundant Power Supplies and Fans			
2.14	Should Support Secure Boot, Image Signing and Run time integrity protection			

Specification-“C”

S. N.	Item Description	OEM Make/Part No.	Proposed make /brand by the bidder	Technically Complied Yes/No
3	12 port Non PoE Layer 2 and Layer 3 Managed Network Aggregation Switch	CISCO /Dell /HP /Juniper or equivalent brand of repute		
3.1	Switch OEM should be in the Gartner’s Leaders or Challengers or visionary quadrant for Wired and Wireless LAN Access Infrastructure or data center networking published in 2024-2025 or later.			
3.2	Minimum No. of 10 Gbps SFP+ Ports along with 2x 25G fiber uplink ports. Switch should come with 2xSFP28 uplink module and 10xSM SFP+ transceivers. SFP28 module should support SM and MM fiber connectivity. SFP28 module should be provided by the same OEM who will be providing switch.			
3.3	Switch should have 32K MAC and 8 GB RAM and 8 GB flash or 8 GB SSD Drive. Switch should have Redundant power supply and multiple FANS.			
3.4	Suitable for Enterprise access layer deployment and should support basic Layer-2 features, including: VLANs, QoS, port security, STP/RSTP, link aggregation, Loop detection, Jumbo frame (9000), SNMP management, Mac Address learning, Frame forwarding and Filtering, Port based Switching, Port security, Storm control, I GMP snooping, Auto negotiation, Port Mirroring (Span)			
3.5	Switch should have Layer 3 features RIP or OSPF, BGP, VRRP, PBR from day one. Switch should have CLI, TELNET OR SSH , SNMPv3 and RMON (or equivalent) capability.			
3.6	The switch shall support management via Web GUI, CLI, SNMP, SSH (V1/V2) and shall integrate with third-party NMS or network management platforms. Support for RESTCONF/NETCONF or equivalent APIs.			
3.7	Switch should have internal power supply. Should have internal redundant power supply from day one. Switch should have 16MB or more packet buffer or higher.			
3.8	Should Support Secure Boot, Image Signing and Run time integrity protection			
3.9	Minimum Switching Capacity 64 Gbps or higher.			
3.10	Minimum Forwarding capacity increase to 47.6 Mpps or higher			
3.11	Operative temperature 0 to 40 degree C			

3.12	Should be under suitable housing as per standard and 1U Rack Mountable.			
3.13	5 Years Onsite warranty			
3.14	Switches should be ipv6 logo certified from day 1			
3.15	The Switch should support integrated trusted platform module (TPM) for platform integrity.			
3.16	Should support a stack of up to 8 members with minimum stacking bandwidth of >=40 Gbps			
3.17	The switch shall support management via Web GUI, CLI, SNMP, SSH (V1/V2) and shall integrate with third-party NMS or network management platforms. Support for RESTCONF/NETCONF or equivalent APIs.			
3.18	The switch shall include certifications like IEC/UL/ RoHS/ or equivalent.			

Specification –“D”

S. N.	Item Description	OEM Make/Part No.	Proposed make /brand by the bidder	Technically Complied Yes/No
4	24 port PoE++(802.3bt) Layer 2 Managed Network Switch	CISCO /Dell /HP /Juniper or equivalent brand of repute		
4.1	Suitable for Enterprise access layer deployment and should support basic Layer-2 features, including: VLANs, QoS, port security, STP/RSTP, link aggregation, Loop detection, Jumbo frame (9000), SNMP management, Mac Address learning, Frame forwarding and Filtering, Port based Switching, Port security, Storm control, IGMP snooping, Auto negotiation, Port Mirroring (Span)			
4.2	Switch should have minimum 24 ports each having 1 Gbps capacity. Switch Should have 2x10G fiber uplink ports. Switch should come with 2xSFP+ uplink module. SFP+ module should support SM and MM fiber connectivity. SFP+ module should be provided by the same OEM who will be providing switch.			
4.3	Support Entries In The MAC Table 32000 or better /higher specifications			
4.4	Minimum Switching Capacity 88 Gbps or higher.			
4.5	Minimum Forwarding capacity increase to 65 Mpps or higher			
4.6	Operative temperature 0 to 40 degree C			
4.7	Should be under suitable housing as per standard and 1U Rack Mountable.			
4.8	5 Years Onsite warranty			
4.9	Switches should be ipv6 logo certified from day 1			

4.10	Switch should support PoE++ on all ports and deliver a power budget of 1440 W.			
4.11	The Switch should support integrated trusted platform module (TPM) for platform integrity.			
4.12	Should support a stack of up to 8 members with minimum stacking bandwidth of >=40 Gbps			
4.13	The switch shall support management via Web GUI, CLI, SNMP, SSH (V1/V2) and shall integrate with third-party NMS or network management platforms. Support for RESTCONF/NETCONF or equivalent APIs.			
4.14	The switch shall include certifications like IEC/UL/ RoHS/ or equivalent.			
4.15	Should have redundant Power Supplies			

Specification –“E”

S. N.	Item Description	OEM Make/Part No.	Proposed make /brand by the bidder	Technically Complied Yes/No
5	24 port <u>Non</u> PoE Layer 2 Managed Network Switch	CISCO /Dell /HP /Juniper or equivalent brand of repute		
5.1	Suitable for Enterprise access layer deployment and should support basic Layer-2 features, including: VLANs, QoS, port security, STP/RSTP, link aggregation, Loop detection, Jumbo frame (9000), SNMP management, Mac Address learning, Frame forwarding and Filtering, Port based Switching, Port security, Storm control, IGMP snooping, Auto negotiation, Port Mirroring (Span)			
5.2	Switch should have minimum 24 ports each having 1 Gbps capacity. Switch Should have 2x10G fiber uplink ports. Switch should come with 2xSFP+ uplink module. SFP+ module should support SM and MM fiber connectivity. SFP+ module should be provided by the same OEM who will be providing switch.			
5.3	Support Entries In The MAC Table 32000 or better /higher specifications			
5.4	Minimum Switching Capacity 88 Gbps or higher.			
5.5	Minimum Forwarding capacity increase to 65 Mpps or higher			
5.6	Operative temperature 0 to 40 degree C			
5.7	Should be under suitable housing as per standard and 1U Rack Mountable.			
5.8	5 Year Onsite warranty			
5.9	Switches should be ipv6 logo certified from day 1			
5.10	The Switch should support integrated trusted platform			

	module (TPM) for platform integrity.			
5.11	Should support a stack of up to 8 members with minimum stacking bandwidth of >=40 Gbps			
5.12	The switch shall support management via Web GUI, CLI, SNMP, SSH (V1/V2) and shall integrate with third-party NMS or network management platforms. Support for RESTCONF/NETCONF or equivalent APIs.			
5.13	The switch shall include certifications like IEC/UL/ RoHS/ or equivalent.			
5.14	Should have redundant Power Supplies			

Specification-“F”

S. N.	Item Description	OEM Make/Part No.	Proposed make /brand by the bidder	Technically Complied Yes/No
6	24 port Non PoE Layer 2 and Layer 3 Managed Network Aggregation Switch	CISCO /Dell /HP /Juniper or equivalent brand of repute		
6.1	Switch OEM should be in the Gartner’s Leaders or Challengers or visionary quadrant for Wired and Wireless LAN Access Infrastructure or data center networking published in 2024-2025 or later.			
6.2	Minimum No. 24 Ports, each of 10 Gbps SFP+ capacity along with minimum 4 fiber uplink ports having 40 Gbps capacity (QSFP+). Switch should be populated with 2xQSFP+ module and 24xSM SFP+ transceivers. Switch should support and populated with SM and MM fiber connectivity. QSFP+ module should be provided by the same OEM who will be providing switch.			
6.3	Switch should have 32K MAC and 8 GB RAM and 8 GB flash or 8 GB SSD Drive. Switch should have Redundant power supply and multiple FANS.			
6.4	Suitable for Enterprise access layer deployment and should support basic Layer-2 features, including: VLANs, QoS, port security, STP/RSTP, link aggregation, Loop detection, Jumbo frame (9000), SNMP management, Mac Address learning, Frame forwarding and Filtering, Port based Switching, Port security, Storm control, IGMP snooping, Auto negotiation, Port Mirroring (Span), Inter VLAN connectivity.			
6.5	Switch should have Layer 3 features RIP or OSPF, BGP, VRRP, PBR, ACL, Inter VLAN connectivity, redundancy, load sharing (LACP, ECMP) from day one. Switch should have CLI, TELNET OR SSH, SNMPv3 and RMON (or equivalent) capability.			

6.6	The switch shall support management via Web GUI, CLI, SNMP, SSH (V1/V2) and shall integrate with third-party NMS or network management platforms. Support for RESTCONF/NETCONF or equivalent APIs.			
6.7	Switch should have internal power supply. Should have internal redundant power supply from day one. Switch should have 16MB or more packet buffer or higher.			
6.8	Should Support Secure Boot, Image Signing and Run time integrity protection			
6.9	Minimum Switching Capacity 800 Gbps or higher.			
6.10	Minimum Forwarding capacity increase to 595Mpps or higher			
6.11	Minimum Stacking port of minimum 40 Gbps or higher.			
6.12	Operative temperature 0 to 40 degree C			
6.13	Should be under suitable housing as per standard and 1U Rack Mountable.			
6.14	5 Year Onsite warranty			
6.15	Switches should be ipv6 logo certified from day 1			
6.16	The Switch should support integrated trusted platform module (TPM) for platform integrity.			
6.17	Should support a stack of up to 8 members with minimum stacking bandwidth of >=320 Gbps			
6.18	The switch shall support management via Web GUI, CLI, SNMP, SSH (V1/V2) and shall integrate with third-party NMS or network management platforms. Support for RESTCONF/NETCONF or equivalent APIs.			
6.19	The switch shall include certifications like IEC/UL/ RoHS/ or equivalent.			
6.20	Should have redundant Power Supplies			
	SD WAN Full Compatibility			
6.22	Switch should support for minimum 320 Gbps of stacking bandwidth with dedicated stacking ports and cables with minimum 8 switches in stack. - Switch should support dedicated stacking port or support advance HA solution like MCLAG / VSS			

Specification-“G”

S. N.	Item Description	OEM Make/Part No.	Proposed make/brand by the bidder	Technically Complied Yes/No
7	48 port PoE++ (802.3bt) Layer 2 Managed Network Switch (48 Port Ethernet enterprise series managed Network switch with all accessories and Power over Ethernet (PoE++))	CISCO /Dell /HP /Juniper or equivalent brand of repute		
7.1	Switch OEM should be in the Gartner’s Leaders or Challengers or visionary quadrant for Wired and Wireless LAN Access Infrastructure or data center			

	networking published in 2024-2025 or later.			
7.2	Suitable for Enterprise access layer deployment and should support basic Layer-2 features, including: VLANs, QoS, port security, STP/RSTP, link aggregation, Loop detection, Jumbo frame (9000), SNMP management, Mac Address learning, Frame forwarding and Filtering, Port based Switching, Port security, Storm control, IGMP snooping, Auto negotiation, Port Mirroring (Span).			
7.3	Switch should have minimum 48 ports each having 1 Gbps capacity. Switch Should have minimum 4x10G fiber uplink ports. Switch should populated with 2xSFP+ uplink. SFP+ module should support SM and MM fiber connectivity. SFP+ module should be provided by the same OEM who will be providing switch.			
7.4	Support Entries In The MAC Table 32000 or better /higher specifications.			
7.5	Minimum Switching Capacity 176Gbps or higher.			
7.6	Minimum Forwarding capacity increase to 130 Mpps or higher.			
7.7	Operative temperature 0 to 40 degree C.			
7.8	Should be under suitable housing as per standard and 1U Rack Mountable.			
7.9	5 Years Onsite warranty			
7.10	Switches should be ipv6 logo certified from day 1			
7.11	Switch should support PoE++ on all ports and deliver a power budget of 2880 W.			
7.12	The Switch should support integrated trusted platform module (TPM) for platform integrity.			
7.13	The switch shall support management via Web GUI, CLI, SNMP, SSH (V1/V2) and shall integrate with third-party NMS or network management platforms. Support for RESTCONF/NETCONF or equivalent APIs.			
7.14	The switch shall include certifications like IEC/UL/ RoHS/ or equivalent.			
7.15	Should have redundant Power Supplies.			

Specification-“H”

S. N.	Item Description	OEM Make/Part No.	Proposed make /brand by the bidder	Technically Complied Yes/No
8	48 port Non PoE Layer 2 Managed Network Switch (48 Port Ethernet enterprise series managed network switch with all accessories Non PoE)	CISCO /Dell /HP /Juniper or equivalent brand of repute		

8.1	Switch OEM should be in the Gartner's Leaders or Challengers or visionary quadrant for Wired and Wireless LAN Access Infrastructure or data center networking published in 2024-2025 or later.			
8.2	Suitable for Enterprise access layer deployment and should support basic Layer-2 features, including: VLANs, QoS, port security, STP/RSTP, link aggregation, Loop detection, Jumbo frame (9000), SNMP management, Mac Address learning, Frame forwarding and Filtering, Port based Switching, Port security, Storm control, IGMP snooping, Auto negotiation, Port Mirroring (Span).			
8.3	Switch should have minimum 48 ports each having 1 Gbps capacity. Switch Should have minimum 4x10G fiber uplink ports. Switch should populated with 2xSFP+ uplink. SFP+ module should support SM and MM fiber connectivity. SFP+ module should be provided by the same OEM who will be providing switch.			
8.4	Support Entries In The MAC Table 32000 or better /higher specifications.			
8.5	Minimum Switching Capacity 176 Gbps or higher.			
8.6	Minimum Forwarding capacity increase to 130 Mpps or higher.			
8.7	Operative temperature 0 to 40 degree C.			
8.8	Should be under suitable housing as per standard and 1U Rack Mountable.			
8.9	5 Years Onsite warranty.			
8.10	Switches should be ipv6 logo certified from day 1.			
8.11	The Switch should support integrated trusted platform module (TPM) for platform integrity.			
8.12	The switch shall support management via Web GUI, CLI, SNMP, SSH (V1/V2) and shall integrate with third-party NMS or network management platforms. Support for RESTCONF/NETCONF or equivalent APIs.			
8.13	The switch shall include certifications like IEC/UL/ RoHS/ or equivalent.			
8.14	Should have redundant Power Supplies and Fans.			

Specification-"I"

S. N.	Item Description	OEM Make/Part No.	Proposed make /brand by the bidder	Technically Complied Yes/No
9	48 Port Aggregation L3 Ethernet enterprise series Switch managed Network switch with all accessories Non PoE.	CISCO /Dell /HP /Juniper or equivalent brand of repute		
9.1	Switch OEM should be in the Gartner's Leaders or			

	Challengers or visionary quadrant for Wired and Wireless LAN Access Infrastructure or data center networking published in 2024-2025 or later.			
9.2	Suitable for Enterprise core layer deployment and should support all the layer 3 functionalities.			
9.3	Minimum No. 48 Ports, each of 40 Gbps QSFP+ capacity along with minimum 4 fiber uplink ports having 100 Gbps capacity (QSFP28) . Switch should be populated with 2xQSFP28 module and 24x10G SM transceivers and 6x40GbpsQSFP+ transceivers. Switch should support with SM and MM fiber connectivity. QSFP28 module should be provided by the same OEM who will be providing switch.			
9.4	Switch should have 80K MAC and 16 GB RAM and 16 GB flash or 16 GB SSD Drive or higher. Switch should have internal and Redundant power supply and multiple FANS.			
9.5	Switch should support all the Layer 3 features RIP or OSPF, BGP, VRRP, PBR, ACL, Inter VLAN connectivity, load sharing(LACP,ECMP),VLAN routing from day one. Switch should have CLI, TELNET OR SSH , SNMPv3 and RMON (or equivalent) capability.			
9.6	The switch shall support management via Web GUI, CLI, SNMP, SSH (V1/V2) and shall integrate with third-party NMS or network management platforms. Support for RESTCONF/NETCONF or equivalent APIs.			
9.7	Switch should have 80MB or more packet buffer.			
9.8	Should Support Secure Boot, Image Signing and Run time integrity protection and integrated trusted platform module (TPM) for platform integrity.			
9.9	Minimum Switching Capacity 4640 Gbps or higher.			
9.10	Minimum Forwarding capacity increase to 3452 Mpps or higher			
9.11	Operative temperature 0 to 40 degree C			
9.12	Should be under suitable housing as per standard and 1U Rack Mountable.			
9.13	5 Years Onsite warranty			
9.14	Switches should be ipv6 logo certified from day 1			
9.15	The switch shall support management via Web GUI, CLI, SNMP, SSH (V1/V2) and shall integrate with third-party NMS or network management platforms. Support for RESTCONF/NETCONF or equivalent APIs.			
9.16	The switch shall include certifications like IEC/UL/ RoHS/ or equivalent.			
	SD WAN Full Compatibility			
9.17	Switch should support for minimum 800 Gbps of stacking bandwidth with dedicated stacking ports and cables with minimum 8 switches in stack. - Switch should support dedicated stacking port or support advance HA solution like MCLAG / VSS.			

Specification-“J”

S. N.	Item Description	OEM Make/Part No.	Proposed make /brand by the bidder	Technically Complied Yes/No
10	48 port POE++ Ethernet managed enterprise series SDN switch with all accessories	CISCO /Dell /HP / Juniper or equivalent brand of repute		
10.1	The switch should have minimum 48 x 10/100/1000 Mbps POE++ Ethernet Ports and 6x10G SFP+ ports. Switch should have fans or fan-less design for proper cooling.			
10.2	At least 176 Gbps Switching bandwidth & 130 Mpps forwarding rate.			
10.3	DRAM 8GB and Flash 128GB			
10.4	Shall have a minimum 64K MAC Table and 250 active VLANs.			
10.5	IEEE 802.1Q VLAN Encapsulation. Upto 250 VLANs should be supported. Support for 4000 VLAN IDs. Centralized VLAN Management. VLANs created on the Core Switches should be propagated automatically.			
10.6	Support for Detection of Unidirectional Links in case of fiber with feature like 802.1ag CFM (Connectivity and Fault Management).			
10.7	Spanning-tree feature to prevent other edge switches becoming the root bridge.			
10.8	IGMP snooping v3, Support for up to 250 IGMP Groups. IGMP filtering.			
10.9	Support for Detection of Unidirectional Links (in case of fiber)			
10.10	The switch shall support neighbor device discovery using IEEE 802.1AB (LLDP), providing details such as device platform, management IP address, and connected interface information.			
10.11	Per-port broadcast, multicast, and storm control to prevent faulty end stations from degrading overall systems performance.			
10.12	The switch shall support micro-segmentation-based isolation mechanisms to enforce traffic separation at the access layer. The solution shall support Internet Group Management Protocol (IGMP) snooping to efficiently manage multicast traffic, ensuring multicast streams are delivered only to authorized subscriber ports while optimizing bandwidth utilization and maintaining security.			

10.13	Support for RFC 1492 - TACACS+, RFC 2463 - ICMP IPv6, RFC 2373 -IPv6 Aggregatable Addrs, RFC 246-IPv6 Neighbor Discovery and RFC 2462 - IPv6 Auto configuration.			
10.14	Min 500 ACL entries should be supported.			
10.15	Four egress queues per port to enable differentiated management.			
10.16	SNMP v1, v2c, and v3 and TELNET OR SSH interface support delivers.			
10.16	Switch shall conform to EN 55022 Class A/B or CISPR22 Class A/B or CE Class A/B or FCC Class A/B Standards for EMC (Electro Magnetic Compatibility) requirements. Reduction of Hazardous Substances, CE Marking.			
10.17	Switch should have internal power supply. Should have internal redundant power supply from day one The Switch should be managed centrally without a need of local device configuration. The switch should have crypto acceleration chip integrated to ensures the integrity and security data such as encryption and authentication keys.			
10.18	The switch shall support micro-segmentation of client device traffic based on parameters including, but not limited to, device type, security posture, user identity, application, and other contextual variables.			
10.19	The proposed switch shall support standards-based EVPN-VXLAN and seamlessly integrate with EVPN-VXLAN implementations from other vendors to enable Layer-2 fabric extension across the network.			
10.20	The switch shall support device fingerprinting, classification, placement, and access control for connected endpoints, including corporate sanctioned, unsanctioned, personal (BYOD), and IoT devices.			
10.21	The switch shall support Network Access Control (NAC) capabilities, including IEEE 802.1X authentication with single and multiple supplicants per port, RADIUS back-end integration, certificate-based authentication, and MAC Authentication Bypass (MAB) using allow/deny lists.			
10.22	The switch must support multiple tenants to share common infrastructure while each tenant can operate independent of each other including separate L2-L3, L4-7 functions, topologies, users and RBAC definitions.			
10.23	The proposed switch hardware and software must natively support a multi-tenant architecture. This architecture shall allow multiple independent organizations or business units to share the same physical switching infrastructure while maintaining strict, end-to-end logical isolation.			

10.24	The Switch shall support integration with third-party Identity Providers (IdPs) and/or enterprise Identity and Access Management (IAM) solutions to authenticate and authorize users.			
10.25	Switches Management and Monitoring			
10.26	The switch shall support centralized management for configuration, monitoring, troubleshooting, and debugging through a single management platform.			
10.27	The Switch solution should have centralized portal to create/view historical reports with various timestamps like 15mns, 30mns, 1hr, 1day, 1week and customized.			
10.28	The solution should have templatised workflow management to define and configure device groups such that multiple devices belonging to a group can be easily brought up to match the policy.			

Specification-“K”

S. N.	Item Description	OEM Make/Part No.	Proposed make /brand by the bidder	Technically Complied Yes/No
11	48 port SFP Aggregation L3 SDN Switch	CISCO /Dell /HP / Juniper or equivalent brand of repute		
11.1	48 port SFP28 (25G/10G) and 2 or 6x 100G uplink ports populated with SM fibre. Switch should be included 48x25 G/10G SFP Transceivers from Day 1.			
11.2	At least 2 Tbps Switching bandwidth & 1000 Mpps forwarding rate.			
11.3	DRAM 8GB and Flash 256GB.			
11.4	Shall have a minimum 64K MAC Table and 250 active VLANs.			
11.5	IEEE 802.1Q VLAN Encapsulation. Upto 250 VLANs should be supported. Support for 4000 VLAN IDs. Centralized VLAN Management. VLANs created on the Core Switches should be propagated automatically.			
11.6	Support for Detection of Unidirectional Links in case of fiber with feature like 802.1ag CFM (Connectivity and Fault Management).			
11.7	Spanning-tree feature to prevent other edge switches becoming the root bridge.			
11.8	IGMP snooping v3, Support for up to 250 IGMP Groups. IGMP filtering.			
11.9	Support for Detection of Unidirectional Links (in case of fiber			

11.10	The switch shall support neighbor device discovery using IEEE 802.1AB (LLDP), providing details such as device platform, management IP address, and connected interface information.			
11.11	Per-port broadcast, multicast, and storm control to prevent faulty end stations from degrading overall systems performance.			
11.12	The switch shall support micro-segmentation-based isolation mechanisms to enforce traffic separation at the access layer. The solution shall support Internet Group Management Protocol (IGMP) snooping to efficiently manage multicast traffic, ensuring multicast streams are delivered only to authorized subscriber ports while optimizing bandwidth utilization and maintaining security			
11.13	Support for RFC 1492 - TACACS+, RFC 2463 - ICMP IPv6, RFC 2373 -IPv6 Aggregatable Addrs, RFC 246-IPv6 Neighbor Discovery and RFC 2462 - IPv6 Auto configuration.			
11.14	Min 500 ACL entries should be supported.			
11.15	Four egress queues per port to enable differentiated management.			
11.16	SNMP v1, v2c, and v3 and TELNET OR SSH interface support delivers			
11.17	Switch shall conform to EN 5022 Class A/B or CISPR22 Class A/B or CE Class A/B or FCC Class A/B Standards for EMC (Electro Magnetic Compatibility) requirements. Reduction of Hazardous Substances, CE Marking.			
11.18	Switch should have internal power supply. Should have internal redundant power supply from day one			
11.19	The Switch should be managed centrally without a need of local device configuration.			
11.20	The switch should have crypto acceleration chip integrated to ensures the integrity and security data such as encryption and authentication keys.			
11.21	The switch shall support micro-segmentation of client device traffic based on parameters including, but not limited to, device type, security posture, user identity, application, and other contextual variables.			
11.22	The proposed switch shall support standards-based EVPN-VXLAN and seamlessly integrate with EVPN-VXLAN implementations from other vendors to enable Layer-2 fabric extension across the network.			
11.23	The switch shall support device fingerprinting, classification, placement, and access control for connected endpoints, including corporate sanctioned, unsanctioned, personal (BYOD), and IoT devices.			
11.24	The switch shall support Network Access Control (NAC)			

	capabilities, including IEEE 802.1X authentication with single and multiple supplicants per port, RADIUS back-end integration, certificate-based authentication, and MAC Authentication Bypass (MAB) using allow/deny lists.			
11.25	The switch must support multiple tenants to share common infrastructure while each tenant can operate independent of each other including separate L2-L3, L4-7 functions, topologies, users and RBAC definitions.			
11.26	The proposed switch hardware and software must natively support a multi-tenant architecture. This architecture shall allow multiple independent organizations or business units to share the same physical switching infrastructure while maintaining strict, end-to-end logical isolation.			
11.27	The Switch shall support integration with third-party Identity Providers (IdPs) and/or enterprise Identity and Access Management (IAM) solutions to authenticate and authorize users.			
11.28	Switches Management and Monitoring			
11.29	The switch shall support centralized management for configuration, monitoring, troubleshooting, and debugging through a single management platform.			
11.30	The Switch solution should have centralized portal to create/view historical reports with various timestamps like 15mns, 30mns, 1hr, 1day, 1week and customized.			
11.31	The solution should have templatised workflow management to define and configure device groups such that multiple devices belonging to a group can be easily brought up to match the policy.			
11.32	SD WAN Full Compatibility.			

8.1 PART-2: SPECIFICATIONS OF PASSIVE MATERIALS:

SPECIFICATIONS - Part – “B”

Items with details (Bill of material): - The supplied item should be reputed and standard make and should have all standard certifications.

S. N.	Item Description	OEM Make/Part No.	Proposed make /brand by the bidder	Technically Complied Yes/No (to be filled by bidder)	Category
1.	UTP CAT 6 cable (Box of 305 m) UL & ROHS Compliant.	D-link/ Legrand /Molex or equivalent brand of reputed			B
2.	24 port Patch Panel CAT 6 (each) UL & ROHS Compliant.	D-link/ Legrand/ Molex or equivalent brand of reputed			B
3.	Information Outlet CAT 6 (faceplate + keystone jack+ gang box (each complete set) D-link/ Legrand /Molex or equivalent brand of reputed				
3 a	1-port	D-link/ Legrand/ Molex or equivalent brand of reputed			B
3 b	2-port	D-link/ Legrand/ Molex or equivalent brand of reputed			B
3 c	4-port	D-link/Legrand/ Molex or equivalent brand of reputed			B
4.	Patch Cords CAT 6 (each) At least in 2 colour as per order) D- link/Legrand/Molex or equivalent brand of reputed				
4 a	1 Meter	D-link/Legrand/ Molex or equivalent brand of reputed			B
4 b	2 Meter	D-link/Legrand/ Molex or equivalent brand of reputed			B
5.	FIBER COMPONENTS- Fiber Optic indoor/outdoor tight buffered cable single mode (SM) (Per Meter) 3M/finolex/Fujitsu/D-link/Legrand/Molex or equivalent brand of reputed				
5 a	6 core	3M/ finolex /Fujitsu/ D-link /Legrand/ Molex or equivalent brand of reputed			B
5 b	12 core	3M/ finolex /Fujitsu/ D-link /Legrand/ Molex or equivalent brand of reputed			B
5 c	24 core	3M/ finolex /Fujitsu/ D-link /Legrand/ Molex or equivalent brand of reputed			B
6.	Fiber Optic outdoor armored cable single mode (SM) (Per Meter) 3M/ finolex /Fujitsu/ D-link/Legrand/Molex or equivalent brand of reputed				
6 a	6 core	3M/ finolex /Fujitsu/ D-link/Legrand/ Molex or equivalent brand of reputed			B
6 b	12 core	3M/ finolex /Fujitsu/ D-link/Legrand/ Molex or			B

		equivalent brand of repute			
6 c	24 core	3M/ finolex /Fujitsu/ D-link/Legrand/ Molex or equivalent brand of repute			B
7.	Optical Fiber Connector SC Type, Epoxy less (each) 3M/ finolex /Fujitsu/ D-link/Legrand/Molex or equivalent brand of repute – (Required on need basis)				
7 a	SM	3M/ finolex /Fujitsu/ D-link/Legrand/ Molex or equivalent brand of repute			B
8.	Optical Fiber Connectors LC Type, Epoxy less (each) 3M/ finolex /Fujitsu/ D-link/Legrand/Molex or equivalent brand of repute – (Required on need basis)				
8 a	SM	3M/ finolex /Fujitsu/ D-link/Legrand/ Molex or equivalent brand of repute			B
9.	Optical Fiber pigtail SC Type, 1 meter (each) 3M/ finolex /Fujitsu/ D-link/Legrand/Molex or equivalent brand of repute				
9 a	SM	3M/ finolex /Fujitsu/ D-link /Legrand/ Molex or equivalent brand of repute			B
10.	Optical Fiber pigtail LC Type, 1 meter (each) 3M/ finolex /Fujitsu/ D-link /Legrand/Molex or equivalent brand of repute				
10 a	SM	3M/ finolex /Fujitsu/ D-link /Legrand/ Molex or equivalent brand of repute			B
11.	Optical Fiber Patch Cord, MM SC to SC (each) 3M/ finolex /Fujitsu/ D-link/ Legrand/Molex or equivalent brand of repute				
11 a	3 meters	3M/ finolex /Fujitsu/ D-link /Legrand/ Molex or equivalent brand of repute			B
12.	Optical Fiber Patch Cord, MM, SC to LC (each) 3M/ finolex /Fujitsu/D-link /Legrand/Molex or equivalent brand of repute				
12 a	3 meters	3M/ finolex /Fujitsu/ D-link /Legrand/ Molex or equivalent brand of repute			B
13.	Optical Fiber Patch Cord, SM, SC to LC (each) 3M/ finolex /Fujitsu/D-link /Legrand/Molex or equivalent brand of repute.				
13 a	3 meters	3M/ finolex /Fujitsu/ D-link /Legrand/ Molex or equivalent brand of repute			B
13 b	1 meters	3M/ finolex /Fujitsu/ D-link /Legrand/ Molex or equivalent brand of repute			B
14.	Optical Fiber Patch Cord Duplex, SM, SC to SC (each) 3M/ finolex /Fujitsu/ D-link /Legrand/Molex or equivalent brand of repute.				
14 a	3 meters	3M/ finolex /Fujitsu/ D-link /Legrand/ Molex or equivalent brand of repute			B
14 b	1 meters	3M/ finolex /Fujitsu/ D-link /Legrand/ Molex or equivalent brand of repute			B

15.	Optical Fiber Patch Cord, SM, LC to LC (each) 3M/ finolex /Fujitsu/ D-link /Legrand/Molex or equivalent brand of repute.				
15 a	3 meters	3M/ finolex /Fujitsu/ D-link /Legrand/ Molex or equivalent brand of repute			B
16.	Optical Fiber Patch Cord, MM, OM-3+SC to LC (each) 3M/ finolex /Fujitsu/ D-link/Legrand/Molex or equivalent brand of repute				
16 a	3 meters	3M/ finolex /Fujitsu/ D-link /Legrand/ Molex or equivalent brand of repute			B
17.	LIU, 24 fiber, Wall mount enclosure, lockable & fitted with SC/LC couplers & all accessories (each) 3M/ finolex /Fujitsu/D-link/Legrand /Molex or equivalent brand of repute				
17 a	LIU WITH SC MM COUPLER	3M/ finolex /Fujitsu/ D-link /Legrand/ Molex or equivalent brand of repute			B
17 b	LIU WITH SC SM COUPLER	3M/ finolex /Fujitsu/ D-link /Legrand/ Molex or equivalent brand of repute			B
17 c	LIU WITH LC MM COUPLER	3M/ finolex /Fujitsu/D-link /Legrand/ Molex or equivalent brand of repute			B
17 d	LIU WITH LC SM COUPLER	3M/ finolex /Fujitsu/ D-link /Legrand/ Molex or equivalent brand of repute			B
18.	LIU, 12 fiber, 1U/ 2U drawer style 19 " Rack mount enclosure & fitted with SC/LC couplers & all accessories (each) 3M/ finolex/Fujitsu/D- link /Legrand/Molex or equivalent brand of repute				
18 a	LIU WITH SC MM COUPLER	3M/ finolex /Fujitsu/ D-link /Legrand/ Molex or equivalent brand of repute			B
18 b	LIU WITH SC SM COUPLER	3M/ finolex/Fujitsu /D-link /Legrand/ Molex or equivalent brand of repute			B
18 c	LIU WITH LC MM COUPLER	3M/ finolex /Fujitsu/ D-link /Legrand/ Molex or equivalent brand of repute			B
18 d	LIU WITH LC SM COUPLER	3M/ finolex /Fujitsu/ D-link /Legrand/ Molex or equivalent brand of repute			B
19.	Installation & Termination, Documentation & Site Certification of UTP and Fiber Cabling				
19 a	In-building laying of UTP CAT 6A / CAT 6 Cable (Per Meter)	As per actual			B
19 b	Installation & Termination or Information outlets (including termination of CAT 6/ CAT 6A Cable on I/O	As per actual			B

19 c	Installation & Termination of UTP Cables on Patch Panel CAT 6/ CAT 6A with wire manager	As per actual			B
19 d	Performance testing of the laid UTP CAT 6/ CAT 6 A (Penta Scanner reports & documentation) (Per Node)	As per actual			B
20.	Site Certification for UTP CAT6/CAT 6A & Fiber cabling with 15 years Performance warranty (Per site) As per actual.				
20 a	Site up to 100 Nodes (Per site)	As per actual			B
20 b	Site up to 500 Nodes (Per site)	As per actual			B
21.	Supply & fixing of ISI/ISO marked PVC duct of Size (Per Meter) ISI / ISO (OEM)				
21 a	15 x 15 mm	ISI / ISO (OEM)			B
21 b	30 x 25 mm	ISI / ISO (OEM)			B
21 c	40 x 25 mm	ISI / ISO (OEM)			B
22.	Supply and fixing of PVC Conduit of OD Size (Per Meter) ISI / ISO (OEM)				
22 a	20 mm	ISI / ISO (OEM)			B
22 b	32 mm	ISI / ISO (OEM)			B
22 c	40 mm	ISI / ISO (OEM)			B
23.	Removal of Old UTP/ Fiber / coaxial RS 232/telephone cables (per Meter)	Per Meter			B
24.	In building laying of fiber in duct/ conduit (per meter)	Per Meter			B
25.	Outdoor laying of fiber cable (per Meter)				
25 a	Excavation and resurfacing of the Soft soil (depth 1 meter)	Depth 1 Meter			B
25 b	Excavation and resurfacing of the concrete (depth 1 meter)	Depth 1 Meter			B
25 c	Overhead or through pole				B
26.	Supply and Installation / Fixing of 2" (Inches) diameter HDPE PVC Jacket Underground or on surface (Per Meter) Repute Make	Repute Make			B
27.	SC/LC connector				B

	termination on fiber optic cable				
28.	Fusion/ Mechanical splicing				B
29.	Supply and installation of buffer tubing kit				
30.	Performance testing of laid fiber Optic cable for continuity length & DB loss as per EIA/TIA - 455- 60 document for FO test procedures & documentation of the results.				B
31.	19" equipment mounting Racks				
31 a	19" Rack, wall Mount 500 mm depth or higher, depth, 9 U Height, (lockable) with all accessories (At least 2 cooling fan,1 cable manager, 5/15A 6port spike guard)	Rittal/D-link,Valrack or equivalent brand of repute			B
31 b	19" Rack, wall Mount 500 mm depth, 12 U Height, (lockable) with all accessories(At least 2 cooling fan,1 cable manager, 5/15A 6port spike guard)	Rittal/D-link,Valrack or equivalent brand of repute			B
31 c	19" Rack, Floor Mount/ Wall Mount 800 mm depth, 24 U Height, (lockable) with all accessories (At least 2 cooling fan,1 cable manager, 15A 6port spike guard)	Rittal/D-link,Valrack or equivalent brand of repute			B
31 d	19" Rack, Wall Mount / Floor Mount 1000 mm depth, 32 U Height, (lockable) with all accessories (At least 2 cooling fan,1 cable manager, 15A 6port spike guard)	Rittal/D-link,Valrack or equivalent brand of repute			B
31 e	19" Rack, Wall Mount / Floor Mount 1000 mm depth, 42 U Height, (lockable) with all	Rittal/D-link,Valrack or equivalent brand of repute			B

	accessories (At least 2 cooling fan,1 cable manager, 15 A 6 port spike guard)				
32.	LAN Survey & Document Preparation Per node/ actual basis.				
32 a	for up to 100 network nodes, per node				B
32 b	for up to 500 network nodes, per node				B
33.	UTP CAT 6A cable (Box of 305 m)	D-link/ Legrand /Molex or equivalent brand of repute			B
34.	Patch Cords CAT 6A (each) at least in 2 colour as per order) D-link/ Legrand /Molex or equivalent brand of repute				
34 a	3 Meter	D-link/Legrand/Molex or equivalent brand of repute			B
34 b	7 Meter	D-link/Legrand/Molex or equivalent brand of repute			B
34 c	10 Meter	D-link/Legrand/Molex or equivalent brand of repute			B
35.	Information outlet CAT-6A (Faceplate +keystonejack+ gangbox - each complete set) D-link/ Legrand /Molex or equivalent brand of repute				
35 a	1-port	D-link/Legrand/Molex or equivalent brand of repute			B
35 b	2-port	D-link/Legrand/Molex or equivalent brand of repute			B
36.	24 port patch Panel CAT-6A (each)	D-link/Legrand/Molex or equivalent brand of repute			B
37.	Patch Panel Unloaded CAT 6 24 port	D-link/Legrand/Molex or equivalent brand of repute			B
38.	Patch Panel Unloaded CAT 6A 24 port	D-link/Legrand/Molex or equivalent brand of repute			B

8.2 PART-3: SPECIFICATIONS OF PASSIVE MATERIALS:

SPECIFICATIONS - Part – “C”

Items with details (Bill of material): - The supplied item should be reputed and standard make and should have all standard certifications.

S. No.	Item Description	OEM Make/Part No.	Proposed make /brand by the bidder	Technically Complied Yes/No (to be filled by bidder)	Category
1.	Patch Cords CAT 6 (each) At least in 2 colour as per order/requirement)				
1 a	5 Meter	D-link/Legrand /Molex or equivalent brand of repute			C
2.	Optical Fiber Connector SC Type, Epoxy less (each) 3M/finolex/Fujitsu /D-link /Legrand/Molex or equivalent brand of repute – (Required on need basis)				

2 a	MM	3M/ finolex /Fujitsu/ D-link /Legrand/Molex or equivalent brand of repute			C
3.	Optical Fiber Connectors LC Type, Epoxy less (each) 3M/finolex/Fujitsu /D-link/Legrand/Molex or equivalent brand of repute – (Required on need basis)				
3 a	MM	3M/ finolex /Fujitsu/ D-link /Legrand/Molex or equivalent brand of repute			C
4.	Optical Fiber pigtail SC Type, 1 meter (each) 3M/ finolex /Fujitsu/ D- link/Legrand /Molex or equivalent brand of repute				
4 a	MM	3M/ finolex/Fujitsu /D-link /Legrand/Molex or equivalent brand of repute			C
5.	Optical Fiber pigtail LC Type, 1 meter (each) 3M/ finolex /Fujitsu/ D- link/Legrand/Molex or equivalent brand of repute				
5 a	MM	3M/ finolex/Fujitsu /D-link /Legrand/Molex or equivalent brand of repute			C
6.	Optical Fiber Patch Cord, MM SC to SC (each) 3M/ finolex/Fujitsu /D-link/Legrand/Molex or equivalent brand of repute				
6 a	10 meters	3M/ finolex/Fujitsu /D-link /Legrand/Molex or equivalent brand of repute			C
6 b	20 meters	3M/ finolex/Fujitsu /D-link /Legrand/Molex or equivalent brand of repute			C
7.	Optical Fiber Patch Cord, SM, SC to MTRJ (each) MTRJ is required for old networks (at the time of maintenance work as per tender). 3M/ finolex /Fujitsu/ D-link/Legrand/Molex or equivalent brand of repute				
7 a	3 meters	3M/finolex/Fujitsu /D-link/Legrand/Molex or equivalent brand of repute			C
7 b	10 meters	3M/ finolex/Fujitsu /D-link/Legrand/Molex or equivalent brand of repute			C
7 c	20 meters	3M/ finolex/Fujitsu /D-link/Legrand/Molex or equivalent brand of repute			C
8.	Optical Fiber Patch Cord, MM, SC to LC (each) 3M/finolex/Fujitsu/D-link /Legrand/Molex or equivalent brand of repute				
8 a	10 meters	3M/ finolex/Fujitsu /D-			

		link/Legrand/Molex or equivalent brand of repute			C
8 b	20 meters	3M/ finolex/Fujitsu /D-link/Legrand/Molex or equivalent brand of repute			C
9.	Optical Fiber Patch Cord, SM, SC to LC (each) 3M/ finolex/Fujitsu/D-link /Legrand/Molex or equivalent brand of repute				
9 a	10 meters	3M/ finolex/Fujitsu /D-link/Legrand/Molex or equivalent brand of repute			C
9 b	20 meters	3M/ finolex/Fujitsu /D-link/Legrand/Molex or equivalent brand of repute			C
10.	Optical Fiber Patch Cord, SM, SC to SC (each) 3M/finolex/Fujitsu/D-link /Legrand/Molex or equivalent brand of repute				
10 a	10 meters	3M/ finolex/Fujitsu /D-link/Legrand/Molex or equivalent brand of repute			C
10 b	20 meters	3M/ finolex/Fujitsu /D-link/Legrand/Molex or equivalent brand of repute			C
11.	Optical Fiber Patch Cord, SM, LC to LC (each) 3M/finolex/Fujitsu/D-link /Legrand/Molex or equivalent brand of repute				
11 a	10 meters	3M/ finolex/Fujitsu /D-link/Legrand/Molex or equivalent brand of repute			C
11 b	20 meters	3M/ finolex/Fujitsu /D-link/Legrand/Molex or equivalent brand of repute			C
12.	Optical Fiber Patch Cord, MM, OM-3+SC to LC (each) 3M/ finolex /Fujitsu/ D-link/Legrand/Molex or equivalent brand of repute				
12 a	10 meters	3M/ finolex/Fujitsu/D- link /Legrand/Molex or equivalent brand of repute			C
12 b	20 meters	3M/ finolex/Fujitsu/D- link /Legrand/Molex or equivalent brand of repute			C
13.	Site Certification for UTsP CAT6/CAT 6A & Fiber cabling with 15 years Performance warranty (Per site) as per actual				
13 a	Site up to 1000	As per actual			C

	Nodes (Per site)				
14.	Supply & Fixing of Metal MS Cable Tray/ raceway with covers for mounting on ceiling/floor/wall, with all connecting fittings and sections for hanging, T-Cross, L, Vertical routing/branching of cables etc, size as follows with required fitting kit & accessories for above (per running meter) as per actual				
14 a	50 mm Height x 100 mm width Thickness 1.6mm	Reputed Make			C
14 b	50 mm Height x 200 mm width Thickness 1.6mm	Reputed Make			C
14 c	100 mm Height x 300 mm width Thickness 1.6mm	Reputed Make			C
15.	Supply & Fixing of High Grade PVC cable tray/race way with covers for mounting on ceiling/floor/wall, with all connecting fittings & sections for hanging, T-Cross, L, vertical up/down routing. Branching of cables etc, size as follows with required fitting kit accessories for above (per running meter)				
15 a	50 mm Height x 150 mm width Thickness 2.5 mm to 3 mm	Reputed Make			C
15 b	100 mm Height x 100 mm width 2.5 mm to 3 mm	Reputed Make			C
15 c	100 mm Height x 300 mm width 2.5 mm to 3 mm	Reputed Make			C
16.	Supply and Installation / Fixing of GI Pipe underground and on surface				
16 a	1 inch diameter	Reputed Make			C
16 b	1.5 inch diameter	Reputed Make			C
17.	Supply and installation/ Fixing of 4 Inch HUME pipe underground (Per Meter)	Reputed Make			C
18.	Fiber optics cable route marker (Proper marking should be there in the form of pipe as per the directions of the High Court)	Reputed Make			C
19.	Cable pulling pit made of reinforced concrete and brick walls with removable covers	Reputed Make			C
20.	LAN Survey & Document Preparation				
20 a	for up to 1000				C

	network nodes, per node				
20 b	for more than 1000 network nodes, per node				C
21.	Blower	(D-link / Eureka Forbes or reputed brand)			C
22.	Four pair wire LAN Crimping Tool	D-link / Krone or reputed brand			C
23.	LAN Punching Tool	D-link / Krone or reputed brand			C
24.	LAN Tester	D-link / Krone or reputed brand			C
25.	Console Cable (USB to RJ45, for switch configuration)	Reputed brand			C
26.	Rack Management 9U to 12U				C
27.	Rack Management 24U to 42U				C
28.	Rack Cooling Fan	Reputed brand			C
29.	Rack Power Spike with at least five 5/15 Amp socket	Reputed brand			C
30.	Cable Manager	Reputed brand			C
31.	Old Switch /Patch Panel /Rack Removal				C

8.2 Structured Cabling:

8.2.1 The Bidder is required to install and commission the structured cabling involving CAT - 6 Cables, CAT – 6A Cables, Surface Mount I/Os, Jack Panel, PVC conduit / casing / capping with accessories, any other required components such as labels, ferrules etc., and all associated civil works in accordance with the following guidelines:-

- i. Carrying out of the required surveys prior to installation work is the responsibility of the Successful Bidder
- ii. The cabling job should be carried out under the supervision of Network Certified Engineers.
- iii. All the wiring should be fully concealed inside the conduit/casing and no cable (except patch cords) should be visible to the naked eye.
- iv. The cabling shall be properly labeled and ferruled so as to facilitate easy identification and maintenance. The labeling and ferruling shall be documented.

- v. All civil work like cutting, chasing, drilling, etc. shall be finished to ensure smooth leveled surfaces matching the existing aesthetics of the office to the extent possible.
 - vi. All waste material shall be properly disposed off from the Registrar General, High Court of Madhya Pradesh premises in an environment friendly manner and complaint to applicable civil /municipal guidelines.
- 8.2.2 Testing, in conformance to measurement procedures and test parameters for CAT 6/CAT 6a installation as defined in **TIA/EIA-568-B standards**, of each node using a penta scanner. The certified test results are to be submitted to High Court of M.P., Jabalpur in hardcopy.
- 8.2.3 Certification of each site for minimum 15 years performance warranty based on the above test results from the manufacturer of the structured network cabling components.
- 8.2.4 The cabling components and the system (cables, I/Os, Patch Cords and Jack Panel) shall.
- i. IEEE 802.3compliant
 - ii. Conform to the TIA/EIA 568standard
 - iii. UL listed
- 8.2.5 The PVC conduit / casing / capping / all accessories and other required components including labels, ferrules, and any other proposed components shall **be ISI /ISO certified**.
- 8.2.6 The Bidder shall provide the details (technical specifications, dimensions, brochures, make, model, photo catalogues) and conformance to standards mentioned in the tender document.

9. The bidder has to adopt following guidelines for Cabling & Networking:-

9.1 Twisted Pair cable guidelines:-

CONDITION	< 2KVA	2-5KVA	>5KVA
Unshielded power lines or electrical equipment in the proximity to open or non- metal pathways.	5 inches or 12.7 cm	12 inches or 30.5 cm	24 inches or 61 cm
Unshielded power lines or electrical equipment in the proximity to grounded metal conduit pathway.	2.5 inches or 6.4 cm	6 inches or 15.2 cm	12 inches or 30.5 cm
Power lines enclosed in a grounded metal conduit (equivalent shielding) in the proximity to grounded metal conduit pathway.		6 inches or 15.2 cm	12 inches or 30.5 cm
Fluorescent lighting.	12 inches or 30.5 cm		
Transformers & electric motors.	40 inches or 1.02 meter		

9.2 Minimum bending radius for a cable:-

- a. According to EIA/TIA SP-2840A the minimum-bending radius for UTP is 4 x cables outside diameter, about 1 inch. For multi-pair cable the minimum-bending radius is 10 outside diameter.
- b. For fiber optic cables not in tension, the minimum bend radius is 10 x diameter; cables loaded in tension may not be bent at less than 20 x diameter. SP-2840A states that no fiber optic will be bent on a radius less than 3.0 cm (1.18inches).

Minimum for pulling during installation is 8 x cable diameters; minimum installed radius is 6 x cable diameter for riser cable, 4 x cable diameter for horizontal cable.

9.3 Do's and Don'ts for the Bidder:-

<i>Do's</i>	<i>Don'ts</i>
Use connecting hardware that is compatible with the installed cable.	Do not use connecting hardware that is of a lower category than the cable being used.
Terminate each horizontal cable on a dedicated telecommunications outlet.	Do not tap a new line from the middle of another cable (called bridge taps), as it picks up more noise. Do not leave cables un-terminated.
Locate the main cross-connect near the center of the building to limit cable distances.	Do not locate cross-connects where cable distance will exceed the maximum allowed distance.
Maintain the twist of horizontal and backbone cable pairs up to the point of terminations.	Do not leave any wire pairs untwisted (Keep the twist until the closest possible places to the terminations).
Tie and dress horizontal cables neatly and with a minimum bend radius of 4 times the cable diameter.	Do not over-tighten cables ties. Never use staples or make sharp bends with cables.
Place cabling at a sufficient distance from equipment.	Do not place cable near equipment that may generate high levels of EMI (i.e., electricity wire (power line) and fluorescent light).

For running cable the bidder has to follow following rules:-

- A. Always use more cable than you need. Leave plenty of slack.
- B. Test every part of a network as the time of installation. Even if it is brand new, it may have problems that will be difficult to isolate later.
- C. Stay at least 3 feet away from fluorescent light boxes and other sources of electrical interference.
- D. If it is necessary to run cable across the floor, cover the cable with cable protectors.
- E. Label both ends of each cable.

- F. Use cable ties (not tape) to keep cables in the same location together.
- G. The conduit or casing should not be filled completely with the cables. There should be room for future expansion.

9.4 UTP Cabling Installation:-

- 9.4.1 To avoid stretching, pulling tension should not exceed 110N or (25 lb f) for 4-pair cables.
- 9.4.2 Installed bend radii shall not exceed: - 4 times the cable diameter for horizontal UTP cables–10 times the cable diameter for multi-pair backbone UTP cables.
- 9.4.3 Avoid cable stress, as caused by:- cable twist during pulling or installation – tension in suspended cable runs – tightly clinched cable ties or staples – tight bend radii.
- 9.4.4 Horizontal cables should be used with connecting hardware and patch cords (or jumpers) of the same performance category or higher.
- 9.4.5 Important Note: Installed UTP cabling shall be classified by the least performing component in the link.

9.5 General Guidelines to the Contractor /Bidder:-

- 9.5.1 Tagging each network terminal for easy identification by using Numeric Tags.
- 9.5.2 Unique tag code for uplink so that it is easily identified e.g. Numeric Tag 00.
- 9.5.3 Proper Termination of Fiber Optics Cable if any use or to be used.
- 9.5.4 Stands for switches should be provided so that the switch is rack mountable.
- 9.5.5 Port of the Patch Panel should be numbered so that the node can be tracked with Numeric Tag.
- 9.5.6 I/O port should be provided and numbered accordingly.

9.6 Documentation to be submitted by the contractor:-

- 9.6.1 Details Descriptive documentation of the Structural Cabling.
- 9.6.2 Test Report of the Network Cable with a comparison of test parameter

with the specification parameter and variation.

- 9.6.3. Evaluation Report of the Built IT Infrastructure.
- 9.6.4 Drawings showing the location of cable runs, (preferably with individual cable lengths marked for any legacy thin Ethernet runs).
- 9.6.5 Size and occupancy of any existing cable ducts or conduits, which are available for use when expanding the network.
- 9.6.6 Details of the capacity and type of cabling and connectors used.
- 9.6.7 Details of type of connectors or sockets at either end of each cable.
- 9.6.8 Records of the designation and location of outlets.
- 9.6.9 Any certification carried out on the cabling (e.g. Cat 6/Cat 6a test results).
- 9.6.10 Diagrams showing the relationships of various workstations, file servers, printers and other devices on the network to one another.
- 9.6.11 Diagrams showing how any hubs, bridges, switches or routers are used to connect the network (may be shown on a network management system).
- 9.6.12 Records of software licenses and versions of software installed.
- 9.6.13 Configurations of Network Interface Cards.
- 9.6.14 Penta Scanning report
- 9.6.15 OTDR report

9.7 Site Certification of the Infrastructure:-

Most important part of any infrastructure is its cabling structure on which the infrastructure would be running. There are standards to be followed by the contractor so that performance and quality assurance is guaranteed. This guarantee can also be termed as Site Certification.

There following rules to be followed by the contractor for Site Certification.

- 9.7.1 Site Certification is provided by the manufacturer against infrastructure build by the System Integrator using the standards.
- 9.7.2 Standards are typical methods that been have tested by the manufacturer according to the BISCI Standard for its quality

performance.

- 9.7.3 The part products used in Structured cabling all should be of one manufacturer of certain specification throughout to have minimum tolerance.
- 9.7.4 Cable Selection should be such considering all future aspects.
- 9.7.5 Cable Selected should be used with appropriate connectors.
- 9.7.6 All cables should be concealed according to Pathways and Spaces Standards.
- 9.7.7 Test reports with the details of the loss of signal in terms of crosstalk and due to other factors affecting it.

Annexure-I
TECHNO-COMMERCIAL BID

S. N.	Description	Indicate page number where the documents are enclosed
1.	Name, address & telephone number of the Bidder.	
2.	Name, designation, address & telephone number of authorized person.	
3.	Please specify as to whether Tenderer is sole Proprietor/Partnership Firm/Private or Limited Company.	
4.	Name, address & telephone number of Directors/Partners, Fax No., e-mail address.	
5.	Copy of PAN Card issued by Income Tax Department and Copy of previous 03 Financial Year's Income Tax Return 2022-2023, 2023-2024 and 2024-2025. The average annual turnover of the bidder during last three financial years should be minimum Rs. 05 Crore.	
6.	Copy of Valid GST registration details.	
7.	Copy of valid ISO certification of the bidder in the field of Local Area Networking (LAN) and / or Wide Area Networking (WAN) work.	
8.	Valid ISO / ISI Certificate of the products to be supplied and installed (Please attach copy).	
9.	List of company service centers in the State of Madhya Pradesh.	
10.	Latest GST Return.	
11.	Experience Certificate /details for last 05 years regarding installation of Local Area Networking including LAN Installation work at High Court and District Court, Government Organization, Public Sector Companies and other reputed Private Organizations with minimum 500 no. of nodes in single PO in last 05 years.	
12.	Authorization letter / MAF from OEM's to sale the product in order to have back-to-back warranty and support.	
13.	Details of Bid Security/Earnest Money Deposit: Amount:Rs.28,00,000/- Lakh Online payment reference no. Date of issue	
14.	Details of online tender fees of Rs.10,000/-	
15.	Furnish the list of Service Engineers and Operators to be deputed for installation of Network at High Court of Madhya Pradesh and District Courts in the State of Madhya Pradesh.	

Declaration by the Bidder:-

This is to certify that I/We before signing this tender have read and fully understood all the terms and conditions contained in the tender document and undertake myself/ourselves to strictly abide by them.

Signature of the Tenderer with Seal

Note: - Please indicate the page numbers where documents are attached. The entire Tender documents should be serially page numbered including enclosures.

It is certified that the particulars given above are true to the best of my/our knowledge/behalf and I/We have read terms/conditions and duties/responsibilities of the Technical Staff to be deputed for the purpose and have also understood the same and to hereby undertake to abide by the same without any reservations on any grounds whatsoever. In case of any breach of the said conditions. I/We shall be responsible for the consequences arising out of such situation(s).

Name & Signature of the
Authorized Signatory of
the Agency (with Seal of
the Agency affixed)

Date: Place:

Annexure-II
PRICE BID

Price Bid Part –“A” (TABLE –A)

Detail Break up of Cost*

Name of the Bidder:

S. No.	Item Description	OEM Make /Part No.	Proposed make /brand by the bidder	Unit Rate Per Item / per work/ job	GST (In Rs.)	Any other duty/ levy	Unit Price In Rs. (all inclusive)
1	12 port PoE++ Network Switches (manageable) Specification- “A”	CISCO / Dell / HP / Juniper or equivalent brand of repute					
2	12 port Non PoE Network Switches (manageable) Specification- “B”	CISCO / Dell / HP / Juniper or equivalent brand of repute					
3	12 port Non PoE Aggregation Switch Specification-“C”	CISCO / Dell / HP / Juniper or equivalent brand of repute					
4	24 Port Ethernet enterprise series managed Network switch with all accessories and Power over Ethernet (PoE++) Specification-“D”	CISCO / Dell / HP / Juniper or equivalent brand of repute					
5	24 Port Ethernet enterprise series managed network switch with all accessories Non PoE Specification- “E”	CISCO / Dell / HP / Juniper or equivalent brand of repute					
6	24 Port Aggregation Ethernet enterprise series Switch managed Network switch with all accessories Non PoE Specification- “F”	CISCO / Dell / HP / Juniper or equivalent brand of repute					
7	48 Port Ethernet enterprise series managed Network switch with all accessories and Power over Ethernet (PoE++) Specification- “G”	CISCO / Dell / HP / Juniper or equivalent brand of repute					
8	48 Port Ethernet enterprise series managed network switch with all accessories Non PoE Specification- “H”	CISCO / Dell / HP / Juniper or equivalent brand of repute					
9	48 Port Aggregation L3 Ethernet enterprise series Switch managed Network switch with all accessories Non PoE	CISCO / Dell / HP / Juniper or equivalent brand of repute					

	Specification- "I"						
10	48 port POE++ Ethernet managed enterprise series SDN switch with all accessories Specification- "J"	CISCO / Dell / HP / VERSA or equivalent brand of repute					
11	48 port SFP Aggregation L3 SDN Switch Specification- "K"	CISCO / Dell / HP / VERSA or equivalent brand of repute					
12	SFP modules of SM fiber of minimum 1Gbps which should support all Network Switches.	AS per Switch OEM or OEM validated					
13	10 Gbps SFP modules of SM fiber which should support all Network Switches.	AS per Switch OEM or OEM validated					
14	10 Gbps SFP modules of MM fiber which should support all Network Switches.	AS per Switch OEM or OEM validated					
15	40 Gbps SFP modules of SM fiber which should support all Network Switches.	AS per Switch OEM or OEM validated					
16	40 Gbps SFP modules of MM fiber which should support all Network Switches.	AS per Switch OEM or OEM validated					
17	Media convertor SM (Should support 10/100/1000 Ethernet to10/100/1000 fibers Onsite support)	Reputed make					
18	10 Gbps SFP modules (Copper) which should support all Network Switches.	AS per Switch OEM or OEM validated					
19	Stacking module with stacking cable. Should support all Network Switches.	AS per Switch OEM or OEM validated					
20	Dual Band Mesh WiFi router, minimum 1 number of Gigabit Ethernet port, 802.1ax Dual Band Mesh WiFi access point, 4x4:4 MiMo, should be expandable with smart roaming feature & it should be compatible with CISCO ISE &WLC or the vendor shall supply the controller for functioning of another make/model wifi access point.	CISCO / Netgear/Dell / HP / Juniper / Arista or equivalent brand of repute.					

21	100 Gbps SFP modules of SM/MMfiber which should support all Network Switches.	AS per Switch OEM or OEM validated					
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PRICE BID
Price Bid Part –“B” (TABLE–B)

S. No.	Item Description	OEM Make /Part No.	Proposed make /brand by the bidder	Unit Rate Per Item / per work/ job	GST (In Rs.)	Any other duty/ levy	Unit Price In Rs. (all inclusive)
1.	UTP CAT 6 cable (Box of 305 m) UL & ROHS Compliant.	D-link/ Legrand /Molex or equivalent brand of repute					
2.	24 port Patch Panel CAT 6 (each) UL & ROHS Compliant.	D-link/ Legrand/ Molex or equivalent brand of repute					
3.	Information Outlet CAT 6 (faceplate + keystone jack+ gang box (each complete set) D-link/ Legrand /Molex or equivalent brand of repute						
3 a	1-port	D-link/ Legrand/ Molex or equivalent brand of repute					
3 b	2-port	D-link/ Legrand/ Molex or equivalent brand of repute					
3 c	4-port	D-link/Legrand/ Molex or equivalent brand of repute					
4.	Patch Cords CAT 6 (each) At least in 2 colour as per order) D- link/Legrand/Molex or equivalent brand of repute						
4 a	1 Meter	D-link/Legrand/ Molex or equivalent brand of repute					
4 b	2 Meter	D-link/Legrand/ Molex or equivalent brand of repute					
5.	FIBER COMPONENTS- Fiber Optic indoor/outdoor tight buffered cable single mode (SM) (Per Meter) 3M/finolex/Fujitsu/D-link/Legrand/Molex or equivalent brand of repute						
5 a	6 core	3M/ finolex /Fujitsu/ D-link /Legrand/ Molex or equivalent brand of repute					
5 b	12 core	3M/ finolex /Fujitsu/ D-link /Legrand/ Molex or equivalent brand of repute					

5 c	24 core	3M/ finolex /Fujitsu/ D-link /Legrand/ Molex or equivalent brand of repute					
6.	Fiber Optic outdoor armored cable single mode (SM) (Per Meter) 3M/ finolex /Fujitsu/ D-link/Legrand/Molex or equivalent brand of repute						
6 a	6 core	3M/ finolex /Fujitsu/ D-link/Legrand/ Molex or equivalent brand of repute					
6 b	12 core	3M/ finolex /Fujitsu/ D-link/Legrand/ Molex or equivalent brand of repute					
6 c	24 core	3M/ finolex /Fujitsu/ D-link/Legrand/ Molex or equivalent brand of repute					
7.	Optical Fiber Connector SC Type, Epoxy less (each) 3M/ finolex /Fujitsu/ D-link/Legrand/Molex or equivalent brand of repute – (Required on need basis)						
7 a	SM	3M/ finolex /Fujitsu/ D-link/Legrand/ Molex or equivalent brand of repute					
8.	Optical Fiber Connectors LC Type, Epoxy less (each) 3M/ finolex /Fujitsu/ D-link/Legrand/Molex or equivalent brand of repute – (Required on need basis)						
8 a	SM	3M/ finolex /Fujitsu/ D-link/Legrand/ Molex or equivalent brand of repute					
9.	Optical Fiber pigtail SC Type, 1 meter (each) 3M/ finolex /Fujitsu/ D-link/Legrand/Molex or equivalent brand of repute						
9 a	SM	3M/ finolex /Fujitsu/ D-link /Legrand/ Molex or equivalent brand of repute					
10.	Optical Fiber pigtail LC Type, 1 meter (each) 3M/ finolex /Fujitsu/ D-link /Legrand/Molex or equivalent brand of repute						
10 a	SM	3M/ finolex /Fujitsu/ D-link /Legrand/ Molex or equivalent brand of repute					
11.	Optical Fiber Patch Cord, MM SC to SC (each) 3M/ finolex /Fujitsu/ D-link/ Legrand/Molex or equivalent brand of repute						
11 a	3 meters	3M/ finolex /Fujitsu/ D-link /Legrand/ Molex or equivalent brand of repute					
12.	Optical Fiber Patch Cord, MM, SC to LC (each) 3M/ finolex /Fujitsu/D-link /Legrand/Molex or						

	equivalent brand of repute					
12 a	3 meters	3M/ finolex /Fujitsu/ D-link /Legrand/ Molex or equivalent brand of repute				
13.	Optical Fiber Patch Cord, SM, SC to LC (each) 3M/ finolex /Fujitsu/D-link /Legrand/Molex or equivalent brand of repute.					
13 a	3 meters	3M/ finolex /Fujitsu/ D-link /Legrand/ Molex or equivalent brand of repute				
13 b	1 meters	3M/ finolex /Fujitsu/ D-link /Legrand/ Molex or equivalent brand of repute				
14.	Optical Fiber Patch Cord Duplex, SM, SC to SC (each) 3M/ finolex /Fujitsu/ D-link /Legrand/Molex or equivalent brand of repute.					
14 a	3 meters	3M/ finolex /Fujitsu/ D-link /Legrand/ Molex or equivalent brand of repute				
14 b	1 meters	3M/ finolex /Fujitsu/ D-link /Legrand/ Molex or equivalent brand of repute				
15.	Optical Fiber Patch Cord, SM, LC to LC (each) 3M/ finolex /Fujitsu/ D-link /Legrand/Molex or equivalent brand of repute.					
15 a	3 meters	3M/ finolex /Fujitsu/ D-link /Legrand/ Molex or equivalent brand of repute				
16.	Optical Fiber Patch Cord, MM, OM-3+SC to LC (each) 3M/ finolex /Fujitsu/ D-link/Legrand/Molex or equivalent brand of repute					
16 a	3 meters	3M/ finolex /Fujitsu/ D-link /Legrand/ Molex or equivalent brand of repute				
17.	LIU, 24 fiber, Wall mount enclosure, lockable & fitted with SC/LC couplers & all accessories (each) 3M/ finolex /Fujitsu/D-link/Legrand /Molex or equivalent brand of repute					
17 a	LIU WITH SC MM COUPLER	3M/ finolex /Fujitsu/ D-link /Legrand/ Molex or equivalent brand of repute				
17 b	LIU WITH SC SM COUPLER	3M/ finolex /Fujitsu/ D-link /Legrand/ Molex or equivalent brand of repute				
17 c	LIU WITH LC MM COUPLER	3M/ finolex /Fujitsu/D- link /Legrand/ Molex				

		or equivalent brand of repute					
17 d	LIU WITH LC SM COUPLER	3M/ finolex /Fujitsu/ D-link /Legrand/ Molex or equivalent brand of repute					
18.	LIU, 12 fiber, 1U/ 2U drawer style 19 " Rack mount enclosure & fitted with SC/LC couplers & all accessories (each) 3M/ finolex/Fujitsu/D- link /Legrand/Molex or equivalent brand of repute						
18 a	LIU WITH SC MM COUPLER	3M/ finolex /Fujitsu/ D-link /Legrand/ Molex or equivalent brand of repute					
18 b	LIU WITH SC SM COUPLER	3M/ finolex/Fujitsu /D-link /Legrand/ Molex or equivalent brand of repute					
18 c	LIU WITH LC MM COUPLER	3M/ finolex /Fujitsu/ D-link /Legrand/ Molex or equivalent brand of repute					
18 d	LIU WITH LC SM COUPLER	3M/ finolex /Fujitsu/ D-link /Legrand/ Molex or equivalent brand of repute					
19.	Installation & Termination, Documentation & Site Certification of UTP and Fiber Cabling						
19 a	In-building laying of UTP CAT 6A / CAT 6 Cable (Per Meter)	As per actual					
19 b	Installation & Termination or Information outlets (including termination of CAT 6/ CAT 6A Cable on I/O	As per actual					
19 c	Installation & Termination of UTP Cables on Patch Panel CAT 6/ CAT 6A with wire manager	As per actual					
19 d	Performance testing of the laid UTP CAT 6/ CAT 6 A (Penta Scanner reports & documentation) (Per Node)	As per actual					
20.	Site Certification for UTP CAT6/CAT 6A & Fiber cabling with 15 years Performance warranty (Per site) As per actual.						
20 a	Site up to 100 Nodes (Per site)	As per actual					
20 b	Site up to 500 Nodes (Per site)	As per actual					
21.	Supply & fixing of ISI/ISO marked PVC duct of Size (Per Meter) ISI / ISO (OEM)						

21 a	15 x 15 mm	ISI / ISO (OEM)					
21 b	30 x 25 mm	ISI / ISO (OEM)					
21 c	40 x 25 mm	ISI / ISO (OEM)					
22.	Supply and fixing of PVC Conduit of OD Size (Per Meter) ISI / ISO (OEM)						
22 a	20 mm	ISI / ISO (OEM)					
22 b	32 mm	ISI / ISO (OEM)					
22 c	40 mm	ISI / ISO (OEM)					
23.	Removal of Old UTP/ Fiber / coaxial RS 232 /telephone cables (per Meter)	Per Meter					
24.	In building laying of fiber in duct/ conduit (per meter)	Per Meter					
25.	Outdoor laying of fiber cable (per Meter)						
25 a	Excavation and resurfacing of the Soft soil (depth 1 meter)	Depth 1 Meter					
25 b	Excavation and resurfacing of the concrete (depth 1 meter)	Depth 1 Meter					
25 c	Overhead or through pole						
26.	Supply and Installation / Fixing of 2" (Inches) diameter HDPE PVC Jacket Underground or on surface (Per Meter) Repute Make	Repute Make					
27.	SC/LC connector termination on fiber optic cable						
28.	Fusion/ Mechanical splicing						
29.	Supply and installation of buffer tubing kit						
30.	Performance testing of laid fiber Optic cable for continuity length & DB loss as per EIA/TIA - 455- 60 document for FO test procedures & documentation of the results.						
31.	19" equipment mounting Racks						
31 a	19" Rack, wall Mount 500 mm depth or higher, depth, 9 U Height, (lockable) with all accessories (At least 2 cooling fan,1 cable manager, 5/15A 6port spike guard)	Rittal/D-link,Valrack or equivalent brand of repute					

31 b	19" Rack, wall Mount 500 mm depth, 12 U Height, (lockable) with all accessories (At least 2 cooling fan, 1 cable manager, 5/15A 6port spike guard)	Rittal/D-link, Valrack or equivalent brand of repute					
31 c	19" Rack, Floor Mount/ Wall Mount 800 mm depth, 24 U Height, (lockable) with all accessories (At least 2 cooling fan, 1 cable manager, 15A 6port spike guard)	Rittal/D-link, Valrack or equivalent brand of repute					
31 d	19" Rack, Wall Mount / Floor Mount 1000 mm depth, 32 U Height, (lockable) with all accessories (At least 2 cooling fan, 1 cable manager, 15A 6port spike guard)	Rittal/D-link, Valrack or equivalent brand of repute					
31 e	19" Rack, Wall Mount / Floor Mount 1000 mm depth, 42 U Height, (lockable) with all accessories (At least 2 cooling fan, 1 cable manager, 15 A 6 port spike guard)	Rittal/D-link, Valrack or equivalent brand of repute					
32. LAN Survey & Document Preparation Per node/ actual basis.							
32 a	for up to 100 network nodes, per node						
32 b	for up to 500 network nodes, per node						
33.	UTP CAT 6A cable (Box of 305 m)	D-link/ Legrand /Molex or equivalent brand of repute					
34. Patch Cords CAT 6A (each) at least in 2 colour as per order) D-link/ Legrand /Molex or equivalent brand of repute							
34 a	3 Meter	D-link/Legrand/Molex or equivalent brand of repute					
34 b	7 Meter	D-link/Legrand/Molex or equivalent brand of repute					
34 c	10 Meter	D-link/Legrand/Molex or equivalent brand of repute					

35.	Information outlet CAT-6A (Faceplate +keystonejack+ gangbox - each complete set) D-link/ Legrand /Molex or equivalent brand of repute						
35 a	1-port	D-link/Legrand/Molex or equivalent brand of repute					
35 b	2-port	D-link/Legrand/Molex or equivalent brand of repute					
36.	24 port patch Panel CAT-6A (each)	D-link/Legrand/Molex or equivalent brand of repute					
37.	Patch Panel Unloaded CAT 6 24 port	D-link/Legrand/Molex or equivalent brand of repute					
38.	Patch Panel Unloaded CAT 6A 24 port	D-link/Legrand/Molex or equivalent brand of repute					

PRICE BID

Price Bid Part –“C” (TABLE -C)

S. No.	Item Description	OEM Make /Part No.	Proposed make /brand by the bidder	Unit Rate Per Item / per work/ job	GST (In Rs.)	Any other duty/ levy	Unit Price In Rs. (all inclusive)
1.	Patch Cords CAT 6 (each) At least in 2 colour as per order/requirement)						
1 a	5 Meter	D-link/Legrand /Molex or equivalent brand of repute					
2.	Optical Fiber Connector SC Type, Epoxy less (each) 3M/finolex/Fujitsu /D-link/Legrand/Molex or equivalent brand of repute – (Required on need basis)						
2 a	MM	3M/ finolex/Fujitsu / D-link /Legrand/Molex or equivalent brand of repute					
3.	Optical Fiber Connectors LC Type, Epoxy less (each) 3M/finolex/Fujitsu /D-link/Legrand/Molex or equivalent brand of repute – (Required on need basis)						
3 a	MM	3M/ finolex/Fujitsu /D- link /Legrand/Molex or equivalent brand of repute					
4.	Optical Fiber pigtail SC Type, 1 meter (each) 3M/ finolex /Fujitsu/ D- link/Legrand /Molex or equivalent brand of repute						
4 a	MM	3M/ finolex/Fujitsu /D- link /Legrand/Molex or equivalent brand of repute					
5.	Optical Fiber pigtail LC Type, 1 meter (each) 3M/ finolex /Fujitsu/ D- link/Legrand/Molex or equivalent brand of repute						

5 a	MM	3M/ finolex/Fujitsu /D- link /Legrand/Molex or equivalent brand of repute				
6. Optical Fiber Patch Cord, MM SC to SC (each) 3M/ finolex/Fujitsu /D-link/Legrand/Molex or equivalent brand of repute						
6 a	10 meters	3M/ finolex/Fujitsu /D- link /Legrand/Molex or equivalent brand of repute				
6 b	20 meters	3M/ finolex/Fujitsu /D- link /Legrand/Molex or equivalent brand of repute				
7. Optical Fiber Patch Cord, SM, SC to MTRJ (each) MTRJ is required for old networks (at the time of maintenance work as per tender). 3M/ finolex /Fujitsu/ D-link/Legrand/Molex or equivalent brand of repute						
7 a	3 meters	3M/ finolex/Fujitsu /D- link /Legrand/Molex or equivalent brand of repute				
7 b	10 meters	3M/ finolex/Fujitsu /D- link /Legrand/Molex or equivalent brand of repute				
7 c	20 meters	3M/ finolex/Fujitsu /D- link /Legrand/Molex or equivalent brand of repute				
8. Optical Fiber Patch Cord, MM, SC to LC (each) 3M/finolex/Fujitsu/D-link /Legrand/Molex or equivalent brand of repute						
8 a	10 meters	3M/ finolex/Fujitsu /D- link /Legrand/Molex or equivalent brand of repute				
8 b	20 meters	3M/ finolex/Fujitsu /D- link /Legrand/Molex or equivalent brand of repute				
9. Optical Fiber Patch Cord, SM, SC to LC (each) 3M/ finolex/Fujitsu/D-link /Legrand/Molex or equivalent brand of repute						
9 a	10 meters	3M/ finolex/Fujitsu /D- link /Legrand/Molex or equivalent brand of repute				
9 b	20 meters	3M/ finolex/Fujitsu /D- link /Legrand/Molex or equivalent brand of repute				
10. Optical Fiber Patch Cord, SM, SC to SC (each) 3M/finolex/Fujitsu/D-link /Legrand/Molex or equivalent brand of repute						
10 a	10 meters	3M/ finolex/Fujitsu /D- link /Legrand/Molex or equivalent brand of repute				
10 b	20 meters	3M/ finolex/Fujitsu /D- link /Legrand/Molex or equivalent brand of repute				
11. Optical Fiber Patch Cord, SM, LC to LC (each) 3M/finolex/Fujitsu/D-link /Legrand/Molex or equivalent brand of repute						

11 a	10 meters	3M/ finolex/Fujitsu /D- link /Legrand/Molex or equivalent brand of repute				
11 b	20 meters	3M/ finolex/Fujitsu /D- link /Legrand/Molex or equivalent brand of repute				
12.	Optical Fiber Patch Cord, MM, OM-3+SC to LC (each) 3M/ finolex /Fujitsu/ D-link/Legrand/Molex or equivalent brand of repute					
12 a	10 meters	3M/ finolex/Fujitsu /D- link /Legrand/Molex or equivalent brand of repute				
12 b	20 meters	3M/ finolex/Fujitsu /D- link /Legrand/Molex or equivalent brand of repute				
13.	Site Certification for UTsP CAT6/CAT 6A & Fiber cabling with 15 years Performance warranty (Per site) as per actual					
13 a	Site up to 1000 Nodes (Per site)	As per actual				
14.	Supply & Fixing of Metal MS Cable Tray/ raceway with covers for mounting on ceiling/floor/wall, with all connecting fittings and sections for hanging, T-Cross, L, Vertical routing/branching of cables etc, size as follows with required fitting kit & accessories for above (per running meter) as per actual					
14 a	50 mm Height x 100 mm width Thickness 1.6mm	Reputed Make				
14 b	50 mm Height x 200 mm width Thickness 1.6mm	Reputed Make				
14 c	100 mm Height x 300 mm width Thickness 1.6mm	Reputed Make				
15.	Supply & Fixing of High Grade PVC cable tray/race way with covers for mounting on ceiling/floor/wall, with all connecting fittings & sections for hanging, T-Cross, L, vertical up/down routing. Branching of cables etc, size as follows with required fitting kit accessories for above (per running meter)					
15 a	50 mm Height x 150 mm width Thickness 2.5 mm to 3 mm	Reputed Make				
15 b	100 mm Height x 100 mm width 2.5 mm to 3 mm	Reputed Make				
15 c	100 mm Height x 300 mm width 2.5 mm to 3 mm	Reputed Make				
16.	Supply and Installation / Fixing of GI Pipe underground and on surface					
16 a	1 inch diameter	Reputed Make				
16 b	1.5 inch diameter	Reputed Make				
17.	Supply and installation/ Fixing of 4	Reputed Make				

	Inch HUME pipe underground (Per Meter)					
18.	Fiber optics cable route marker (Proper marking should be there in the form of pipe as per the directions of the High Court)	Reputed Make				
19.	Cable pulling pit made of reinforced concrete and brick walls with removable covers	Reputed Make				
20.	LAN Survey & Document Preparation					
20 a	for up to 1000 network nodes, per node					
20 b	for more than 1000 network nodes, per node					
21.	Blower	(D-link / Eureka Forbes or reputed brand)				
22.	Four pair wire LAN Crimping Tool	D-link / Krone or reputed brand				
23.	LAN Punching Tool	D-link / Krone or reputed brand				
24.	LAN Tester	D-link / Krone or reputed brand				
25.	Console Cable (USB to RJ45, for switch configuration)	Reputed brand				
26.	Rack Management 9U to 12U					
27.	Rack Management 24U to 42U					
28.	Rack Cooling Fan	Reputed brand				
29.	Rack Power Spike with at least five 5/15 Amp socket	Reputed brand				
30.	Cable Manager	Reputed brand				
31.	Old Switch /Patch Panel /Rack Removal					
32.	Rack Shifting 24U to 42U					
33.	Service Visit Charge after Warranty					

Total Bid Price (In Rs.) _____

In words _____

Signature of Bidder with seal _____

Name _____

Business address _____

Tel. No. & Mobile No. _____

Email: _____

Place: _____

Date: _____

Note:-

1. **The criteria for selection of bidder will be based on Table-“A” of the financial sheet. All the line items rates are to be filled by the prospective bidders.**
2. The delivery and installation time is maximum 60 days to complete the project from date of Purchase Order / Work Order. The order shall be placed in phases depending upon the requirement of High Court and District Courts.
3. ***Not mentioning the rates in the financial bid / commercial bid of any of the line item may lead to disqualification of the bid.***
4. The quantities mentioned above are indicative only. The Registrar General reserves the right to change the quantities and the configuration of items mentioned above without assigning any reason thereof.
5. The payment to the vendor shall be made as per actual use of above items for the Installation of Local Area Networking and other related work.
6. All prospective bidders are requested to submit the bid and if there is any deviation in the specification, please mention the same in the deviation statement sheet.
7. The shortlisted vendor has to complete the LAN work within the fixed timeframe of 60 days from date of work order. The work order may be placed in phases.
8. The payment shall be made to successful bidder, only after submitting requisite document to the High Court as per the tender document.
9. All the quoted products make and model shall be finalized by the committee of the High Court.
9. **The financial bids are to be submitted only online and no hard copy to be submitted along with the bid.**
10. The network switches of all the Specifications should have EAL/ NDPP or above under Common Criteria Certification.

- 11. The network switches should have proper fans for cooling or should have fanless design for proper cooling.**
- 12. All prospective bidders are requested to submit the bid with all relevant documents and product brochures / catalogues in sequenced manner.**
- 13. On introduction of new levy / taxes / duties the rate / price of items shall be change in same proportionate.**
- 14. All network switches to be compatible with the existing LAN infrastructure of the High Court and District Courts on IEEE standard protocols.**
- 15. Switch should be IPv6 ready / logo ready Certified.**
- 16. The specifications mentioned in tender document are minimum and the bidder may quote higher specification or equivalent specifications meeting out the requirement of the tender.**
- 17. All the pages of the bids and Annexure's are to be sealed and signed by the authorized officers of the company /vendor.**
- 18. The bidder has to quote only 01 product of single make / brand at a time and not multiple brands for same item.**
- 19. The Original equipment manufacturer (OEM) may authorize more than one partner for participation in the bid /tender process.**
- 20. Back-to-Back support letter is to be submitted by OEM regarding support of the quoted products.**
- 21. The High Court of Madhya Pradesh has full rights to accept or reject any bid, without assigning any reason.**
- 22. All future correspondence/ clarifications/ addendum/ corrigendum shall be available on the website of the High Court of Madhya Pradesh i.e. www.mphc.gov.in and Government e-procurement portal www.mptenders.gov.in.**
- 23. The decision of the High Court of Madhya Pradesh in selection/ finalization of firm/bidder shall be final and no objection in this regard shall be entertained.**

Annexure - III

FORMAT FOR BIDDERS TO SUBMIT PRE-BID QUERY

The Bidder has to submit their queries (in any section of the tender/ technical speculations) in the following format only.

S. No.	Section No. / Clause No / Specification/ Page No.	Content of RFP Requiring Clarification	Query of the bidder / remarks of the bidder, if any
1.			
2.			
cont..			
n....			

Note: -

- Submit the pre-bid query as mentioned in the above format till 07.04.2026 through e-mail: regithcjbptd@mp.gov.in. The pre-bid query received positively after 07.04.26 shall not be considered.
- The duly hard copy submission of pre-bid query as per the above format to be submitted along with the soft copy.
- In case any e-mail of the vendor received in the junk/spam mail shall not be considered for reply by the High Court.

C E R T I F I C A T E S

WE CERTIFY THAT:

1. We will not LEAK / DISCLOSE any information of High Court of Madhya Pradesh to any other institutions/organizations, bodies and also in the market on the rates less than the prices quoted by us to the High Court.
2. The rate of TAXES / DUTIES mentioned in the tender is in accordance with the provisions of the rules in all respects and the same is payable to the Government Authorities.
3. The material / items offered shall be of the **best quality** strictly in accordance with the specifications and particulars as detailed in the tender.
4. The information furnished by us in the tender are true and correct to the best of our knowledge and belief.
5. We have read and understood the rules, regulations, terms and conditions of tender as applicable from time to time and agree to abide by them.

Authorized Signatory
(Seal of the Company)

LIST OF LOCATIONS WHERE LAN WORK MAY BE REQUIRED ON NEED BASIS.

S. No.	Name of Location
A	High Court of Madhya Pradesh, Jabalpur & its Benches at Indore and Gwalior
B	All District and Tahsil Courts in the State of Madhya Pradesh
C	All Family Courts in the State of Madhya Pradesh

S.NO.	NAME OF DISTRICT	NAME OF COURT COMPLEXES	TYPE OF COURT COMPLEX
1	AGAR MALWA	DISTRICT & SESSIONS COURT AGAR MALWA	DISTRICT
2	AGAR MALWA	NALKHEDA	TEHSIL
3	AGAR MALWA	SUSNER	TEHSIL
4	ALIRAJPUR	DISTRICT & SESSIONS COURT, ALIRAJPUR	DISTRICT
5	ALIRAJPUR	JOBAT	TEHSIL
6	ANUPPUR	DISTRICT & SESSIONS COURT, ANUPPUR	DISTRICT
7	ANUPPUR	KOTMA	TEHSIL
8	ANUPPUR	RAJENDRAGRAM	TEHSIL
9	ASHOKNAGAR	DISTRICT COURT, ASHOKNAGAR	DISTRICT
10	ASHOKNAGAR	MUNGAOLI	TEHSIL
11	ASHOKNAGAR	CHANDERI	TEHSIL
12	ASHOKNAGAR	ESHAGARH	TEHSIL
13	BALAGHAT	DISTRICT & SESSIONS COURT BALAGHAT	DISTRICT
14	BALAGHAT	BAIHAR	TEHSIL
15	BALAGHAT	KATANGI	TEHSIL
16	BALAGHAT	WARASEONI	TEHSIL
17	BALAGHAT	LANJI	TEHSIL
18	BARWANI	DISTRICT & SESSIONS COURT ,BARWANI	DISTRICT
19	BARWANI	ANJAD	TEHSIL
20	BARWANI	KHETIYA	TEHSIL
21	BARWANI	RAJPUR	TEHSIL
22	BARWANI	SENDHWA	TEHSIL
23	BETUL	DISTRICT & SESSIONS COURT BETUL	DISTRICT
24	BETUL	BHAINSDEHI	TEHSIL
25	BETUL	MULTAI	TEHSIL
26	BETUL	AAMLA	TEHSIL
27	BHIND	DISTRICT & SESSIONS COURT BHIND	DISTRICT
28	BHIND	LAHAR	TEHSIL
29	BHIND	MEHGAON	TEHSIL
30	BHIND	GOHAD	TEHSIL
31	BHOPAL	DISTRICT & SESSIONS COURT BHOPAL	DISTRICT
32	BHOPAL	BERASIA	TEHSIL
33	BURHANPUR	DISTRICT AND SESSIONS COURT BURHANPUR	DISTRICT
34	BURHANPUR	NEPANAGAR	TEHSIL
35	CHHATARPUR	DISTRICT & SESSIONS COURT CHHATARPUR	DISTRICT

36	CHHATARPUR	BADAMALHARA	TEHSIL
37	CHHATARPUR	BIJAWAR	TEHSIL
38	CHHATARPUR	LAVKUSH NAGAR (LAUNDI)	TEHSIL
39	CHHATARPUR	NOWGAON	TEHSIL
40	CHHATARPUR	RAJNAGAR	TEHSIL
41	CHHATARPUR	BUXWAHA (LINK)	TEHSIL
42	CHHINDWARA	DISTRICT & SESSIONS COURT CHHINDWARA	DISTRICT
43	CHHINDWARA	AMARWARA	TEHSIL
44	CHHINDWARA	CHORAI	TEHSIL
45	CHHINDWARA	JUNNARDEO	TEHSIL
46	CHHINDWARA	PANDHURNA	TEHSIL
47	CHHINDWARA	PARASIYA	TEHSIL
48	CHHINDWARA	SAUSAR	TEHSIL
49	CHHINDWARA	HARRAI	TEHSIL
50	CHHINDWARA	TAMIA	TEHSIL
51	CHHINDWARA	BICCHUA (LINK)	TEHSIL
52	DAMOH	DISTRICT & SESSIONS COURT DAMOH	DISTRICT
53	DAMOH	HATTA	TEHSIL
54	DAMOH	PATHARIA	TEHSIL
55	DAMOH	TENDHUKHEDA	TEHSIL
56	DATIA	DISTRICT & SESSIONS COURT DATIA	DISTRICT
57	DATIA	BHANDER	TEHSIL
58	DATIA	SEODHA	TEHSIL
59	DEWAS	DISTRICT & SESSIONS COURT DEWAS	DISTRICT
60	DEWAS	BAGLI	TEHSIL
61	DEWAS	KANNOD	TEHSIL
62	DEWAS	KHATEGAON	TEHSIL
63	DEWAS	SONKATCH	TEHSIL
64	DEWAS	TONKKHURD	TEHSIL
65	DHAR	DISTRICT & SESSIONS COURT , DHAR	DISTRICT
66	DHAR	BADNAWAR	TEHSIL
67	DHAR	DHARAMPURI	TEHSIL
68	DHAR	KUKSHI	TEHSIL
69	DHAR	MANAWAR	TEHSIL
70	DHAR	SARDARPUR	TEHSIL
71	DINDORI	DISTRICT & SESSIONS COURT, DINDORI	DISTRICT
72	DINDORI	SHAHPURA	TEHSIL
73	GUNA	DISTRICT & SESSIONS COURT GUNA	DISTRICT
74	GUNA	AARON	TEHSIL
75	GUNA	CHACHODA	TEHSIL
76	GUNA	RAGHOGARH	TEHSIL
77	GWALIOR	DISTRICT & SESSIONS COURT GWALIOR	DISTRICT
78	GWALIOR	BHITARWAR	TEHSIL
79	GWALIOR	DABRA	TEHSIL

80	HARDA	DISTRICT & SESSIONS COURT, HARDA	DISTRICT
81	HARDA	KHIRKIYA	TEHSIL
82	HARDA	TIMARNI	TEHSIL
83	NARMADAPURAM	DISTRICT & SESSIONS COURT NARMADAPURAM	DISTRICT
84	NARMADAPURAM	ITARSI	TEHSIL
85	NARMADAPURAM	PIPARIYA	TEHSIL
86	NARMADAPURAM	SEONI MALWA	TEHSIL
87	NARMADAPURAM	SOHAGPUR	TEHSIL
88	NARMADAPURAM	PACHMARI	TEHSIL
89	INDORE	DISTRICT & SESSIONS COURT, INDORE	DISTRICT
90	INDORE	DEPALPUR	TEHSIL
91	INDORE	HATOD	TEHSIL
92	INDORE	DR AMBEDKAR NAGAR (MHOW)	TEHSIL
93	INDORE	SANWER	TEHSIL
94	JABALPUR	DISTRICT & SESSIONS COURT, JABALPUR	DISTRICT
95	JABALPUR	PATAN	TEHSIL
96	JABALPUR	SIHORA	TEHSIL
97	JHABUA	DISTRICT & SESSIONS COURT JHABUA	DISTRICT
98	JHABUA	PETLAWAD	TEHSIL
99	JHABUA	THANDLA	TEHSIL
100	KATNI	DISTRICT & SESSIONS COURT KATNI	DISTRICT
101	KATNI	VIJAYRAGHOGARH	TEHSIL
102	KATNI	DHIMARKHEDA	TEHSIL
103	KATNI	BARHI	TEHSIL
104	KHANDWA	DISTRICT & SESSIONS COURT KHANDWA	DISTRICT
105	KHANDWA	HARSUD	TEHSIL
106	KHANDWA	PUNASA	TEHSIL
107	KHANDWA	MANDHATA (LINK)	TEHSIL
108	MANDLA	DISTRICT & SESSIONS COURT MANDLA	DISTRICT
109	MANDLA	NAINPUR	TEHSIL
110	MANDLA	NIWAS	TEHSIL
111	MANDLA	BHUABICHHIYA	TEHSIL
112	MANDLESHWAR	DISTRICT & SESSIONS COURT MANDLESHWAR	DISTRICT
113	MANDLESHWAR	KHARGONE	TEHSIL
114	MANDLESHWAR	SANAWAD	TEHSIL
115	MANDLESHWAR	BARWAHA	TEHSIL
116	MANDLESHWAR	BHIKANGAON	TEHSIL
117	MANDLESHWAR	KASRAWAD	TEHSIL
118	MANDLESHWAR	MAHESHWAR	TEHSIL
119	MANDSAUR	DISTRICT & SESSIONS COURT MANDSAUR	DISTRICT
120	MANDSAUR	BHANPURA	TEHSIL
121	MANDSAUR	GAROTH	TEHSIL
122	MANDSAUR	NARAYANGARH	TEHSIL
123	MANDSAUR	SITAMAU	TEHSIL

124	MORENA	DISTRICT & SESSIONS COURT MORENA	DISTRICT
125	MORENA	AMBAH	TEHSIL
126	MORENA	JORA	TEHSIL
127	MORENA	SABALGARH	TEHSIL
128	NARSINGHPUR	DISTRICT & SESSIONS COURT NARSINGHPUR	DISTRICT
129	NARSINGHPUR	GADARWARA	TEHSIL
130	NARSINGHPUR	TENDUKHEDA	TEHSIL
131	NARSINGHPUR	GOTEGAON	TEHSIL
132	NEEMUCH	JAWAD	TEHSIL
133	NEEMUCH	MANASA	TEHSIL
134	NEEMUCH	DISTRICT & SESSIONS COURT ,NEEMUCH	DISTRICT
135	NEEMUCH	RAMPURA(LINK)	TEHSIL
136	PANNA	DISTRICT & SESSIONS COURT PANNA	DISTRICT
137	PANNA	AJAYGARH	TEHSIL
138	PANNA	PAWAI	TEHSIL
139	RAISEN	DISTRICT & SESSIONS COURT ,RAISEN	DISTRICT
140	RAISEN	BARELI	TEHSIL
141	RAISEN	BEGUMGANJ	TEHSIL
142	RAISEN	GAIRATGANJ	TEHSIL
143	RAISEN	GOHARGANJ	TEHSIL
144	RAISEN	SILWANI	TEHSIL
145	RAISEN	UDAIPURA	TEHSIL
146	RAJGARH	DISTRICT & SESSIONS COURT RAJGARH	DISTRICT
147	RAJGARH	BIAORA	TEHSIL
148	RAJGARH	KHILCHIPUR	TEHSIL
149	RAJGARH	NARSINGHGARH	TEHSIL
150	RAJGARH	ZIRAPUR	TEHSIL
151	RAJGARH	SARANGPUR	TEHSIL
152	RATLAM	DISTRICT & SESSIONS COURT , RATLAM	DISTRICT
153	RATLAM	ALOTE	TEHSIL
154	RATLAM	JAORA	TEHSIL
155	RATLAM	SAILANA	TEHSIL
156	REWA	DISTRICT & SESSIONS COURT REWA	DISTRICT
157	REWA	MAUGANJ	TEHSIL
158	REWA	SIRMOUR	TEHSIL
159	REWA	TEONTER	TEHSIL
160	REWA	HANUMANA	TEHSIL
161	REWA	MANGAWAN	TEHSIL
162	SAGAR	DISTRICT & SESSIONS COURT SAGAR	DISTRICT
163	SAGAR	BANDA	TEHSIL
164	SAGAR	BINA	TEHSIL
165	SAGAR	DEORI	TEHSIL
166	SAGAR	KHURAI	TEHSIL
167	SAGAR	REHLI	TEHSIL

168	SAGAR	GARHAKOTA	TEHSIL
169	SAGAR	MALTHONE	TEHSIL
170	SAGAR	SHAHGARH	TEHSIL
171	SAGAR	KESLI	TEHSIL
172	SAGAR	RAHATGARH	TEHSIL
173	SATNA	DISTRICT & SESSIONS COURT SATNA	DISTRICT
174	SATNA	AMARPATAN	TEHSIL
175	SATNA	MAIHAR	TEHSIL
176	SATNA	NAGOD	TEHSIL
177	SATNA	RAMPUR BAGHELA	TEHSIL
178	SATNA	UNCHEHRA	TEHSIL
179	SATNA	CHITRAKOOT	TEHSIL
180	SATNA	MAJHGAWAN(LINK)	TEHSIL
181	SEHORE	DISTRICT & SESSIONS COURT, SEHORE	DISTRICT
182	SEHORE	ASHTA	TEHSIL
183	SEHORE	BUDHNI	TEHSIL
184	SEHORE	ICHHAWAR	TEHSIL
185	SEHORE	NASRULLAGANJ	TEHSIL
186	SEONI	DISTRICT & SESSIONS COURT SEONI	DISTRICT
187	SEONI	LAKHNADON	TEHSIL
188	SEONI	GHANSAUR	TEHSIL
189	SEONI	KEOLARI	TEHSIL
190	SEONI	CHHAPARA	TEHSIL
191	SHAHDOL	DISTRICT & SESSIONS COURT SHAHDOL	DISTRICT
192	SHAHDOL	BEOHARI BEOHARI	TEHSIL
193	SHAHDOL	BURHAR	TEHSIL
194	SHAHDOL	JAISINGHNAGAR	TEHSIL
195	SHAHDOL	JAIPUR (LINK)	TEHSIL
196	SHAJAPUR	DISTRICT & SESSIONS COURT SHAJAPUR	DISTRICT
197	SHAJAPUR	SHUJALPUR	TEHSIL
198	SHEOPUR	DISTRICT & SESSIONS COURT SHEOPUR	DISTRICT
199	SHEOPUR	VIJAYPUR	TEHSIL
200	SHIVPURI	DISTRICT & SESSIONS COURT SHIVPURI	DISTRICT
201	SHIVPURI	KARERA	TEHSIL
202	SHIVPURI	KOLARAS	TEHSIL
203	SHIVPURI	PICHHORE	TEHSIL
204	SHIVPURI	POHARI	TEHSIL
205	SHIVPURI	KHANIADHANA	TEHSIL
206	SIDHI	DISTRICT & SESSIONS COURT SIDHI	DISTRICT
207	SIDHI	CHURHAT	TEHSIL
208	SIDHI	RAMPUR NAIKIN	TEHSIL
209	SIDHI	MAJHOULI	TEHSIL
210	SINGRAULI	DISTRICT & SESSIONS COURT SINGRAULI	DISTRICT
211	SINGRAULI	DEOSAR	TEHSIL

212	SINGRAULI	SARAI	TEHSIL
213	TIKAMGARH	DISTRICT & SESSIONS COURT TIKAMGARH	DISTRICT
214	TIKAMGARH	JATARA	TEHSIL
215	TIKAMGARH	NIWARI	TEHSIL
216	TIKAMGARH	ORCHHA	TEHSIL
217	UJJAIN	DISTRICT & SESSIONS COURT UJJAIN	DISTRICT
218	UJJAIN	BADNAGAR	TEHSIL
219	UJJAIN	KHACHRAUD	TEHSIL
220	UJJAIN	MAHIDPUR	TEHSIL
221	UJJAIN	NAGDA	TEHSIL
222	UJJAIN	TARANA	TEHSIL
223	UMARIA	DISTRICT & SESSIONS COURT UMARIA	DISTRICT
224	UMARIA	BIRSINGHPUR-PALI	TEHSIL
225	UMARIA	MANPUR	TEHSIL
226	VIDISHA	DISTRICT & SESSIONS COURT VIDISHA	DISTRICT
227	VIDISHA	KURWAI	TEHSIL
228	VIDISHA	BASODA	TEHSIL
229	VIDISHA	LATERI	TEHSIL
230	VIDISHA	SIRONJ	TEHSIL