

HIGH COURT OF MADHYA PRADESH: JABALPUR

// CLARIFICATION //

No. Reg(IT)(SA)/2024/985

Jabalpur, Dated: 15.07.2024

Sub:- Clarifications /reply of pre-bid meeting dated: 13th June, 2024 regarding 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” with reference to tender no. Reg(IT)(SA)/2024/831, dated: 30.05.2024.

Ref:- Pre-Bid Meeting dated: 13th June, 2024.

Reply / clarification to the pre-bid queries

On the basis of query submitted by the bidders, the detailed reply / clarifications are prepared and the same is enumerated as per details given below for all prospective bidders:-

Query No.	RFP Reference (Section No. /Page No.)	Content of RFP Requiring Clarifications	Query of the bidders / Remarks of the bidders	Reply / clarifications to the query /Remarks by the High Court.
1. M/s Ishan Infotech Ltd.				
1	Page no 15 / Point n - Eligibility Criteria	The Annual average turnover during last three financial years to be at least Rs. 04 Crore.	Request to increase the turnover to 10 Crores instead of 4 Crores from IT/ICT services.	No change.
2	Page 14 / Point i - Eligibility Criteria	List of existing LAN installations being maintained as per details following: Name of the Company/Type of LAN being Maintained /No. of nodes /Last year's turn over.	Need more clarity on this. This clause doesn't quantify the requirement. Bidder should have Similar work experience i.e. LAN Installation work with minimum 500 no. of nodes in single PO in last 5 years.	Yes changed.
3	General	General	ISO 9001:2015, ISO 27001:2013 and CMMI Level 3 Certificates. Kindly ask that Bidder should have ISO 9001	No change. Quote as per tender document.

			and CMMI Level 3 certificate and same shall be submitted at the time of bid submission.	
4	Page 23 - Active component	General	Please consider latest Gartner Report 2024 as OEM PQ.	Yes changed to 2023 or 2024.
5	Page 23 - Active component	General - Related to Power Supply for Active Components	Kindly clarify the provisioning of power / redundant power supply i.e. internal of external for Active components as per project requirement. Active components should have internal OR External redundant power supply from day one.	As per tender document.
6	Page 8 - Scope of work / Point 1	The place of installation of Local Area Network and other related work will be the High Court of Madhya Pradesh and District Courts in the State of Madhya Pradesh. The rates for the LAN work shall be valid for the period of one year from the date of contract. The contract may be extended further for the period of one by the High Court looking to the satisfactory services of the vendor.	Request to share the locations list i.e. single or multi. As it is mentioned that District courts in the state of MP. It is also required to have no. of nodes per location. Kindly share required details. This will enable bidder to prepare most balanced techno-commercial solution.	Yes; list of locations are attached with clarifications.
7	Page 11 - Other terms and condition / Point 1	The Bidder shall complete the installation of Local Area Network or other related work within two months, after the receipt of Work Order failing which the penalty of Rs. 500/- per day per work order shall be imposed	Kindly allow at least 90 days to complete the work subject to sharing of required information, list of locations, necessary pre requisite to complete the LAN Installation work.	To complete the task within 60 days, from date of issue of Purchase Order /Work Order. The work order /purchase order shall be issued in phases, depending upon the requirement of the High Court of Madhya Pradesh.

2. M/s Duranet Technologies Private Limited

1	8. SPECIFICATIONS - Part -"A" 8.1: Items with details (Bill of	7. Optical Fiber Connector SC Type, Epoxy less (each) 3M/ finolex /Fujitsu/ D link/Legrand/Molex or equivalent brand of repute	Optical Fiber Connectors are used to connectorise the fiber core during termination of the fiber optic cable. The termination process of fiber cable is also	It required on need basis.
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	material): - Page 17		being done by using fiber pigtailed. As you have already mentioned the fiber pigtailed in the BoQ so there is no need of Optical Fiber Connectors for fiber termination. Please remove this line item from the BoQ as the fiber connectors are not required if pigtailed are already mentioned for fiber termination.	
2	8. SPECIFICATIONS - Part – “A” 8.1: Items with details (Bill of material): - Page 17	8. Optical Fiber Connectors LC Type, Epoxy less (each) 3M/finolex /Fujitsu/ D link/Legrand/Molex or equivalent brand of reputed	Optical Fiber Connectors are used to connect the fiber core during termination of the fiber optic cable. The termination process of fiber cable is also being done by using fiber pigtailed. As you have already mentioned the fiber pigtailed in the BoQ so there is no need of Optical Fiber Connectors for fiber termination. Please remove this line item from the BoQ as the fiber connectors are not required if pigtailed are already mentioned for fiber termination.	It required on need basis.
3	8.SPECIFICATION S: Part – “B” 8.1.1: Items with details (Bill of material): - Page 25	2.Optical Fiber Connector SC Type, Epoxy less (each) 3M/finolex/Fujitsu /D Link/Legrand/Molex or equivalent brand of reputed	Optical Fiber Connectors are used to connect the fiber core during termination of the fiber optic cable. The termination process of fiber cable is also being done by using fiber pigtailed. As you have already mentioned the fiber pigtailed in the BoQ so there is no need of Optical Fiber Connectors for fiber termination. Please remove this line item from the BoQ as the fiber connectors are not required if pigtailed are already mentioned for fiber termination.	It required on need basis.

4	8.SPECIFICATION S: Part –“B” 8.1.1: Items with details (Bill of material): - Page 25	3.Optical Fiber Connectors LC Type, Epoxy less (each) 3M/finolex/Fujitsu /D Link/Legrand/Molex or equivalent brand of repute	Optical Fiber Connectors are used to connectorise the fiber core during termination of the fiber optic cable. The termination process of fiber cable is also being done by using fiber pigtails. As you have already mentioned the fiber pigtails in the BoQ so there is no need of Optical Fiber Connectors for fiber termination. Please remove this line item from the BoQ as the fiber connectors are not required if pigtails are already mentioned for fiber termination.	It required on need basis.
5	8.2 Structured Cabling Page 38	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	The structured cabling products are tested and verified by ETL Intertek for the performance of the respective Category of the product, So, we request to Incorporate ETL Certification also as or for these cabling components aside to UL. 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 568 standard. iii. UL listed/ETL Verified.	No change.
3. M/s ITSC Technologies Pvt. Ltd.				
1	Specification - A, 33 b	Support Entries In The MAC Table 8000	We request you to amend this as "Support Entries in MAC 16000". Justification - Larger MAC address table helps when AP's and other switches connect on downstream ports. Hence requesting you to modify the clause as suggested	The vendor can quote higher side.
2	Specification - A, 33 c	Minimum Switching Capacity 12 Gbps	We request you to modify this as "Minimum	No change.

			switching capacity 64 Gbps". Justification - This is needed for line rate performance	
3	Specification - A, 33 a	Minimum No. Of 10/100/100 Mbps Base T Ports 12 PoE+	We request you to modify this as "Minimum No. of 10/100/100 Mbps Base T Ports 12 PoE+ along with 2x10G fiber uplink ports". Justification - It is necessary to specify the uplink port count and type. Hence requesting you to modify the specs as suggested.	Yes changed to minimum No. of 10/100/1000 Mbps Base T Ports 12 PoE+ along with 2x10G fiber uplink ports.
4	Specification - A, 33 d	Minimum Forwarding capacity 30 Mbps	Pls. modify this as "Minimum Forwarding capacity 50 Mbps". Justification - This is needed for line rate performance	Yes changed.
5	Specification - A, 33 i	New addition	Switches should be ipv6 logo certified from day 1. Justification - This is needed to ensure complete IPv6 functionality is supported.	Yes added in the specifications.
6	Specification - A, 33 j	New addition	Switch should support PoE, PoE+ on all ports and deliver a power budget of 240W. Justification - specifying a power budget is necessary so requesting to add this clause.	Yes added in the specifications.
7	Specification - B, 34 b	12 port 10G SFP+ and 2 or 4, 25G /40G /100G uplink ports populated with SM fiber.	Pls modify as "12 port 10/25G fiber ports and 2 port 40/100G uplink ports populated with SM Fiber". Justification - Aggregation switches should have the capability to support 10/25G on the downlink ports. This ensures investment protection in future when the backbone is upgraded to 25G without having to upgrade the hardware.	Yes changed to "12 port 10/25G fiber ports and 2 port 40/100G uplink ports populated with SM Fiber".
8	Specification - B, 34 c	Switch should have 32K MAC and 8GB RAM and	Pls modify as "Switch should have 32K MAC	No change.

		8 GB flash Switch should have Redundant power supply and multiple FANS	and 8GB RAM and 8 GB flash Switch should have Redundant power supply and multiple FANS from day 1". Justification - Aggregation switches should come with redundant power supply from day 1.	
9	Specification - B, 34 e	New addition	Switch should have 16MB or more packet buffer. Justification - This is needed for efficient congestion management	The vendor can quote higher side.
10	Specification - B, 34 f	New addition	During system boots, the system's software signatures should be checked for integrity. System should capable to understand that system OS are authentic and unmodified; it should have cryptographically signed images to provide assurance that the firmware & BIOS are authentic. Justification - This ensures OS is not tampered.	Yes added.
11	Specification - B, 34 G	New addition	Switch shall have modular OS to support application 3rd party application hosting Justification - multiple applications such as firewall or network monitoring application can be hosted on the same switch thus eliminating the need for new hardware.	No change.
12	Specification - B, 34 h	New addition	Switch should have a switching capacity of 1000 Gbps and forwarding rate of min 744 Mpps. Justification - This is required for line rate performance.	No change.
13	Specification - B, 34 i	New addition	Switch should be stackable. It should have a dedicated stacking port	No change.

			other than the uplink ports. Justification - This is required to deploy the aggregation switch in High Availability /redundancy.	
14	Specification - C 35 b	24 port 10G SFP+ and 2 x 40G uplink ports populated with SM fiber	"Pls modify as "24 port 10/25G fiber ports and 2 port 40/100G uplink ports populated with SM Fiber". Justification - Aggregation switches should have the capability to support 10/25G on the downlink ports. This ensures investment protection in future when the backbone is upgraded to 25G without having to upgrade the hardware.	Yes changed to "24 port 10/25G fiber ports and 2 port 40/100G uplink ports populated with SM Fiber"
15	Specification - C 35 c	Switch should have 32K MAC and 8GB RAM and 8 GB flash Switch should have Redundant power supply and multiple FANS	Pls modify as "Switch should have 32K MAC and 8GB RAM and 8 GB flash Switch should have Redundant power supply and multiple FANS from day 1". Justification - Aggregation switches should come with redundant power supply from day 1.	No change.
16	Specification - C 35 e	New addition	Switch should have 16MB or more packet buffer. Justification - This is needed for efficient congestion management	No change.
17	Specification - C 35 f	New addition	During system boots, the system's software signatures should be checked for integrity. System should capable to understand that system OS are authentic and unmodified; it should have cryptographically signed images to provide assurance that the firmware & BIOS are authentic. Justification - This	Yes changed.

			ensures OS is not tampered.	
18	Specification - C 35 g	New addition	Switch shall have modular OS to support application 3rd party application hosting. Justification - multiple applications such as firewall or network monitoring application can be hosted on the same switch thus eliminating the need for new hardware.	No change.
19	Specification - C 35 h	New addition	Switch should have a switching capacity of 2000 Gbps and forwarding rate of min 1488 Mpps. Justification - This is required for line rate performance.	No change.
20	Specification - B, 35 i	New addition	Switch should be stackable. It should have a dedicated stacking port other than the uplink ports. Justification - This is required to deploy the aggregation switch in High Availability / redundancy.	The vendor can quote higher side.
21	Specification - D 36 f	Switch shall have minimum 88 Gbps of switching fabric and 65 Mbps of forwarding rate.	Pls modify this as "switch shall have a switching capacity of 128 Gbps and forwarding rate of 95 Mpps". Justification - This is required for line rate performance.	The vendor can quote higher side.
22	Specification - E 37 f	Switch shall have minimum 88 Gbps of switching fabric and 65 Mbps of forwarding rate.	Pls modify this as "switch shall have a switching capacity of 128 Gbps and forwarding rate of 95 Mpps". Justification - This is required for line rate performance.	The vendor can quote higher side.
23	Specification - F 38 e	Configurable up to 8000 MAC addresses.	We request you to amend this as "Support Entries in MAC 16000". Justification - Larger MAC address table helps when AP's and other switches connect on	The vendor can quote higher side.

			downstream ports. Hence requesting you to modify the clause as suggested	
24	Specification - F 38 j	Support for Detection of Unidirectional Links (in case of fiber cut)	Please modify as "Support for Detection of Unidirectional Links (in case of fiber cut) and disable them to avoid loops". Justification - disabling the port when unidirectional link is detected is necessary to prevent loops.	Yes changed to Support for Detection of Unidirectional Links (in case of fiber cut) and disable them to avoid loops.
25	All switches	Switch OEM should be in the Gartner's Leaders or Challengers or visionary quadrant for Wired and Wireless LAN Access Infrastructure Or datacenter networking published in 2023 or later.	Switch OEM should be in the Gartner's Leaders quadrant for Wired and Wireless LAN Access Infrastructure published in 2023 or later and should have been in the quadrant for the last 5 years.	No change.
4. M/s Bharti Airtel Services Limited				
1	7	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.	Kindly clarify what credentials are referred here?	It means that the service engineer should not have any type of case registered against him in any Govt. Organization.
2	7	The bidder shall install network switches with uninterrupted power supply equipments and other peripherals necessary to make the network functional.	Kindly confirm who will be providing UPS?	The UPS shall be provided by the High Court.
3	10	The bidder is required to submit brochure(s) of the Hardware items that is proposed to be supplied and installed for Local Area Network and other related work.	Kindly clarify if the brochure is required only for switches or all the equipments (including cables)	Only for switches.
4	12	The job carried out shall be to the satisfaction of the Registrar General after getting certification from the In-Charge, Computer Section of the	Request you share the severity bifurcation of the deductions	Not carrying out the LAN work as per RFP.

		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.		
5	8	The bidder shall install network switches with uninterrupted power supply equipments and other peripherals necessary to make the network functional	Assume power to device will be supply by High Court? Please Clarify requirement of UPS? Is it for Backup Power or to Avoid any Surge or Spike in Power Supplied by Customer? (1) in case for Backup we need details of Time Duration(Hours) for which "NO RAW" Power Condition is Expected by Customer (2) if for Surge and Spike Protection Please confirm if we can use Stabilizer or any other Product for Better Performance.	The UPS shall be provided by the High Court.
6	12	Under no circumstances, shall the bidder appoint any subcontractor 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.	As Leading SI we have engaged multiple Expert (Subject Matter specialist) Services on As and When Required Basis from our Empanelled Partners for Better Outcome in project and Delivering Best Solution in Multi-OEM, Multi Technology Deployment Project So We Request you to Give Relaxation in this Clause, we shall give necessary undertaking for our Partner as we are owning the project	The vendor can deploy subject expert from their partners, after approval of the High Court.

			completely end to end with all Commitments as expected in RFP.	
7	12	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.	The Agency /Firm applying should possess valid Income Tax PAN No., GST registration no. The Agency should have a minimum experience of 07 years in Local Area Networking installation work at Government Organization, Public Sector Companies and other reputed Private Organizations.	No change. If vendor is having more experience then High Court will have no issue.
8	13	Documents showing the experience of Five years in providing similar work i.e. Local Area Networking work.	Documents showing the experience of Seven years in providing similar work i.e. Local Area Networking work.	No change.
9	15	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.	The valid ISO 9001 certificate of the bidder	No change.
5. M/s Fortinet				
1	34. 12 port Aggregation Switch Specification -"B" – 34c	Switch should have 32K MAC and 8GB RAM and 8 GB flash - Switch should have Redundant power supply and multiple FANS.	Justification /Request for Change - 8GB Flash Memory higher ask and favoring to specific OEM. Request to allow 8 GB Memory, 32 MB Flash and 8GB SSD Drive.	Yes changed to 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.
2	Specification -"C" - 35 c	Switch should have 32K MAC and 8GB RAM and 8 GB flash - Switch should have Redundant power supply and multiple FANS.	8GB Flash Memory higher ask and favoring to specific OEM. Request to allow 8 GB Memory , 32 MB Flash and 8GB SSD Drive	Yes changed to 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	Specification -“C” - 35 f	Switch shall have minimum 480 Gbps of switching fabric and 360 Mpps of forwarding rate.	Recommended to have minimum 1000mpps. Marked parameters supporting specific OEM Model	The vendor can quote higher side.
4	Specification -“D”- 36 d	Switch should support (excluding uplinks) for minimum 56 Gbps of stacking bandwidth with dedicated stacking ports and cables with minimum 8 switch in stack.	Every OEM has its own way to design the High Availability. Dedicated stacking ports favour specific OEM. Request relaxes this clause. Switch should support dedicated stacking port or support advance HA solution like MLAG /VSS	Yes changed.
5	Specification -“D”- 36 s	2 GB RAM and 2 GB flash.	Favoring to specific OEM model. Request to relax this clause minimum 512 Mb and 64 MB flash	No change.
6	Specification -“E”- 37 d	Switch should support (excluding uplinks) for minimum 56 Gbps of stacking bandwidth with dedicated stacking ports and cables with minimum 8 switch in stack.	Every OEM has its own way to design the High Availability. Dedicated stacking ports favour specific OEM. Request relaxes this clause. Switch should support dedicated stacking port or support advance HA solution like MLAG / VSS	Yes changed.
7	Specification -“E”- 37 s	Switch should be IPv6 logo ready Certified / IPv6 ready from Day 1.	Favoring to specific OEM. Request to Remove this clause	No change.
8	Specification -“E”- 37 t	2 GB RAM and 2 GB flash.	Favoring to specific OEM model. Request to relax this clause minimum 512 Mb and 64 MB flash	No change.
9	Specification -“F”- 38 d	DRAM : 2GB & Flash : 2GB	Favoring to specific OEM model. Request to relax this clause minimum 512 Mb and 64 MB flash	No change.
10	Specification -“F”- 38 t	Switch should have internal power supply. Should have internal redundant power supply from day one	Favoring to specific OEM model. Asking dual supply in access layer is supporting specific OEM model. Request for remove this clause	No change.
11	Specification -“G”- 39a	Switch should have 32K MAC and 8GB RAM and 8 GB flash Switch should have Redundant power supply and multiple	8GB Flash Memory higher ask and favoring to specific OEM. Request to allow 8 GB Memory , 32 MB Flash and 8GB SSD Drive	Yes changed to switch should have 32K MAC and 8 GB RAM and 8 GB flash or 8 GB SSD Drive. Switch should have

		FANS.		Redundant power supply and multiple FANS.
12	Specification –“G”- 39f	Switch shall have minimum 480 Gbps of switching fabric and 360 Mpps of forwarding rate.	Recommended to have minimum 1000mpps. Marked parameters supporting specific OEM Model	No change.
6. M/s Arista				
1	Specification –“A”- 33 a	Minimum No. Of 10/100/100 Mbps Base T Ports 12 PoE+	Minimum No. Of 10/100/100 Mbps Base T Ports 12 PoE+ and 2x 1/10G SFP+ ports with 10G Single mode optics populated. The device will require equivalent optical uplink ports to connect with the Aggregation switch. So, please add 2 ports of 1/10G SFP+ ports on the device.	Yes changed to minimum No. of 10/100/1000 Mbps Base T Ports 12 PoE+ along with 2x10G fiber uplink ports.
2	Specification –“A”- 33 b	Support Entries In The MAC Table 8000.	Support Entries In The MAC Table 8000 and 8K IPv4 LPM Routes. Similar to MAC scale please mention the IPv4 route scale also. 8K IPv4 LPM routes scale is suggested considering that the device will be deployed in large deployments and considering future design and scalability requirements.	No change. The vendor can quote better /higher specifications.
3	Specification –“A”- 33 g	Should be under suitable housing as per certified organization and 1U Rack Mountable.	1U Rack Mountable. Requesting to remove certification for housing as these is more applicable for outdoor environments.	Yes accepted.
4	New Clause	The device should support EVPN.	EVPN are latest open IETF protocols that add network design flexibility and segmentation capability, improving higher availability and security in the network.	No change. The vendor can quote higher side.
5	New Clause	The device should support packet mirroring over GRE to L3 remote destination.	The feature allows simplicity with data plane troubleshooting. This will also enable deploying security, compliance and forensic solution in the	No change.

			network.	
6	New Clause	The device should support AVB	This will provide highly reliable delivery of low-latency, time-synchronized audio and video streaming services through the networks. It makes easier to integrate new services and for AV equipment from different vendors to interoperate.	No change.
7	New Clause	The device should support PTP	PTP provides higher precision clock synchronization to the end-devices compared to NTP.	No change.
8	New Clause	The device should support live patching	The feature allows high availability in the devices by allow the device to patched with any downtime.	Optional and on need basis.
9	New Clause	The device should support docker containers for application hosting.	The feature will allow integration with 3rd party tools.	No change.
10	New Clause	Switch should be provided with centralized & unified monitoring, provisioning and telemetry solution from the same OEM providing zero-touch-deployment, Switch real-time telemetry capture with time-series database view, traffic flow analytics, Switch alerts, configuration compliance, Switch PSIRT & BUG advisory, centralized patching & upgrade, underlay and overlay topology view, flow tracing over topology, Configuration change management, endpoint search, Switch hardware resource (TCAM, forwarding tables) utilization, View of MAC & ARP & Route tables, email and msg. notification, API integration, custom dashboards. Required	Considering that it is going to be a very large and distributed deployment, it is recommended to have centralized monitoring and management solution for simplified day-2 operations and fast problem resolution.	Switch should be provided with centralized & unified monitoring, provisioning and telemetry solution from the same OEM. Rest points as per RFP.

		appliance/hardware should be part of solution with in HA.		
7. M/s Escalates Tech India Pvt. Ltd.				
1	Page no 12 Clause NO 5.i	The Agency should have a minimum experience of 05 years in Local Area Networking installation work at Government Organization, Public Sector Seal and Signature of the Companies and other reputed Private Organizations.	The minimum experience in last 05 years for supply installation & maintenance of Networking Components Such as Servers/ Routers/ Firewall/ switches should also be added as these are major active networking components of LAN Work for healthy competition.	No change.
2	34. 12 port Aggregation Switch Specification -“B”. - 34 c	Switch should have 32K MAC and 8GB RAM and 8 GB flash Switch should have Redundant power supply and multiple FANS.	Justification/ Request for Change - 8GB Flash Memory higher ask and favoring to specific OEM. Request to allow 8 GB Memory, 32 MB Flash and 8GB SSD Drive	Yes changed to 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	Specification -“C”- 35 c	Switch should have 32K MAC and 8GB RAM and 8 GB flash Switch should have Redundant power supply and multiple FANS.	8GB Flash Memory higher ask and favouring to specific OEM. Request to allow 8 GB Memory , 32 MB Flash and 8GB SSD Drive	Yes changed to 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.
4	Specification -“C”- 35 f	Switch shall have minimum 480 Gbps of switching fabric and 360 Mbps of forwarding rate.	Recommended to have minimum 1000mpps. Marked parameters supporting specific OEM Model	No change.
5	Specification -“D”- 36 d	Switch should support (excluding uplinks) for minimum 56 Gbps of stacking bandwidth with dedicated stacking ports and cables with minimum 8 switch in stack.	Every OEM has its own way to design the High Availability. Dedicated stacking ports favour specific OEM. Request relax this clause. Switch should support dedicated stacking port or support advance HA solution like MCLAG / VSS	Yes changed.
6	Specification -“D”- 36 s	2 GB RAM and 2 GB flash.	Favoring to specific OEM model. Request to relax this clause minimum 512 Mb and 64 MB flash	No change.
7	Specification	Switch should support	Every OEM has its own	Yes changed.

	–“E”- 37 d	(excluding uplinks) for minimum 56 Gbps of stacking bandwidth with dedicated stacking ports and cables with minimum 8 switch in stack.	way to design the High Availability. Dedicated stacking ports favour specific OEM. Request relax this clause. Switch should support dedicated stacking port or support advance HA solution like MCLAG / VSS	
8	Specification –“E”- 37 s	Switch should be IPv6 logo ready Certified / IPv6 ready from Day 1.	Favoring to specific OEM. Request to Remove this clause	No change.
9	Specification –“E”- 37 t	2 GB RAM and 2 GB flash.	Favoring to specific OEM model. Request to relax this clause minimum 512 Mb and 64 MB flash	No change.
10	Specification –“F”- 38 d	DRAM : 2GB & Flash : 2GB	Favoring to specific OEM model. Request to relax this clause minimum 512 Mb and 64 MB flash	No change.
11	Specification –“F”- 38 t	Switch should have internal power supply. Should have internal redundant power supply from day one	Favoring to specific OEM model. Asking dual supply in access layer is supporting specific OEM model. Request for remove this clause	No change.
12	Specification –“G”- 39a	Switch should have 32K MAC and 8GB RAM and 8 GB flash Switch should have Redundant power supply and multiple FANS.	8GB Flash Memory higher ask and favoring to specific OEM. Request to allow 8 GB Memory , 32 MB Flash and 8GB SSD Drive	Yes changed to 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.
13	Specification –“G”- 39f	Switch shall have minimum 480 Gbps of switching fabric and 360 Mpps of forwarding rate.	Recommended to have minimum 1000mpps. Marked parameters supporting specific OEM Model	No change.
8. VSN International Pvt. Ltd.				
1	Tender Document, Page no.2	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	As per the clause 05 Years onsite Warranty and support on all active and passive components is requirement of the Hon'ble High Court only. Most of the departments usually ask for 03 years warranty in their bids. Similar experience with 05 years of warranty is restrictive. We would	It is to clarify that we have asked for the supply and installation of LAN work that is to be carried out at High Court and District Courts to be with 05 years onsite warranty and support on all active and passive components and satisfying all other

		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.	request to consider orders having 03 years warranty also.	terms and conditions of the tender document.
2	Section – III, 4. Other terms and conditions:- Point no. (i), Page no.10	i. The Bidder shall complete the installation of Local Area Network or other related work within two months, after the receipt of Work Order failing which the penalty of Rs. 500/- per day per work order shall be imposed.	<p>Justification:- The Installation of LAN and related work should be done in the all the High Court & District Court premises. As the time of installation is totally dependent on the working time of courts and can be done only when Judges are not available in the court rooms. This situation limits the bidder to work in very small slots of time frame. The Bidder will require more time to get the process of Installation done.</p> <p>We therefore request you to extend the time period for Installation of Local Area Network or other related work to 3 months, after the receipt of Work Order. This additional time will allow us to properly coordinate with the relevant authorities and carry out the installation process smoothly and efficiently.</p>	No change.

3	Section – III, 5. Eligibility Criteria:- Point no. (i), Page no.13	i. List of existing LAN installations being maintained as per details following: Name of the Company/Type of LAN being maintained/No. of nodes/Last year's turnover.	As per the clause what do you mean by last year turnover in this clause? We can provide overall turnover from IT/ITES. There is no such specific turnover from Networking mentioned in the balance sheet.	Yes changed. We require overall turnover of the bidder.
4	Specification - "A" 12 port PoE Network Switches (manageable) 33a, Page no.30	Minimum No. Of 10/100/100 Mbps Base T Ports 12 PoE+	Justification:- The Network switch will connect to the upper layer on switch on SFP. The Switches asked doesn't have SFP ports, hence we request to add this to avoid forklift upgrades. We Request to change the clause to "Minimum No. Of 10/100/100 Mbps Base T Ports 12 PoE+ and 2 x 1/10G Ports."	Yes changed to minimum No. of 10/100/1000 Mbps Base T Ports 12 PoE+ along with 2x10G fiber uplink ports.
5	Specification -"B" 12 port Aggregation Switch:- Point no.34a, Page no.30	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 2023 or later.	We would Request to change the clause to "Switch OEM should be in the Gartner's Leaders or Challengers quadrant for Wired and Wireless LAN Access Infrastructure or data centre networking published in 2023 or later." We request to have Leaders and Challengers from Gartner MQ for best of breed solution.	No change.
6	Specification -"B" 12 port Aggregation Switch:- Point no.34c, Page no.30	Switch should have 32K MAC and 8GB RAM and 8 GB flash Switch should have Redundant power supply and multiple FANS.	Asking for 8GB Flash Memory is higher and favoring to specific to only one OEM. We would Request to amend the clause to "Switch should have 32K MAC and 8GB RAM and 32 MB Flash and 8GB SSD Drive Switch should have Redundant power supply and multiple FANS."	Yes changed to 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.
7	Specification - "C" 24 port Aggregation Switch:-	Switch OEM should be in the Gartner's Leaders or Challengers or visionary quadrant for	We would Request to change the clause to "Switch OEM should be in the Gartner's Leaders	No change.

	Point no.35a, Page no.31	Wired and Wireless LAN Access Infrastructure Or datacenter networking published in 2023 or later.	or Challengers quadrant for Wired and Wireless LAN Access Infrastructure or data centre networking published in 2023 or later." We request to have Leaders and Challengers from Gartner MQ for best of breed solution.	
8	Specification - "C" 24 port Aggregation Switch:- Point no.35c, Page no.31	Switch should have 32K MAC and 8GB RAM and 8 GB flash - Switch should have Redundant power supply and multiple FANS.	Asking for 8GB Flash Memory is higher and favoring to specific to only one OEM. We would Request to amend the clause to "Switch should have 32K MAC and 8GB RAM and 32 MB Flash and 8GB SSD Drive Switch should have Redundant power supply and multiple FANS."	Yes changed to 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.
9	Specification - "C" 24 port Aggregation Switch:- Point no.35f, Page no.31	Switch shall have minimum 480 Gbps of switching fabric and 360 Mbps of forwarding rate.	Asking for 360 Mbps is specific to only one OEM only and restricts other eligible OEM to participate. Hence, we would request to ask for 1000 Mbps & amend the clause to "Switch shall have minimum 480 Gbps of switching fabric and 1000 Mbps of forwarding rate."	The vendor can quote higher side.
10	Specification - "D" 24 port Ethernet managed enterprise series switch with all accessories and Power over Ethernet (PoE):-Point no.36a Page no.31	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 2023 or later.	We would Request to change the clause to "Switch OEM should be in the Gartner's Leaders or Challengers quadrant for Wired and Wireless LAN Access Infrastructure or data centre networking published in 2023 or later." We request to have Leaders and Challengers from Gartner MQ for best of breed solution.	No change.
11	Specification - "D" 24 port Ethernet managed enterprise	Switch should support (excluding uplinks) for minimum 56 Gbps of stacking bandwidth with dedicated stacking ports	Sir, Every OEM have its own way to design the High v. Asking for Dedicated stacking ports is specific to only one	Yes changed.

	series switch with all accessories and Power over Ethernet (PoE):- Point no.36d Page no.32	and cables with minimum 8 switch in stack.	OEM . Hence, we would request to amend the clause to "Switch should support dedicated stacking port or support advance HA solution like MCLAG / VSS."	
12	Specification - "D" 24 port Ethernet managed enterprise series switch with all accessories and Power over Ethernet (PoE):-Point no.36s Page no.33	2 GB RAM and 2 GB flash.	This clause is specific to only one OEM. Request to relax this clause ask for minimum 512 Mb and 64 MB flash. Hence, we would request to amend the clause to "512 Mb and 64 MB flash."	No change.
13	Specification - "E" 24 port Ethernet managed enterprise series switch with all accessories: - Point no.37a, Page no.33	Switch OEM should be in the Gartner's Leaders or Challengers or visionary quadrant for Wired & Wireless LAN Access Infrastructure or data center networking published in 2023 or later.	We would Request to change the clause to "Switch OEM should be in the Gartner's Leaders or Challengers quadrant for Wired and Wireless LAN Access Infrastructure or data centre networking published in 2023 or later." We request to have Leaders and Challengers from Gartner MQ for best of breed solution.	No change.
14	Specification - "E" 24 port Ethernet managed enterprise series switch with all accessories: - Point no.37d, Page no.33	Switch should support (excluding uplinks) for minimum 56 Gbps of stacking bandwidth with dedicated stacking ports and cables with minimum 8 switch in stack.	Sir, Every OEM has its own way to design the High Availability. Asking for Dedicated stacking ports is specific to only one OEM. Hence, we would request to amend the clause to "Switch should support dedicated stacking port or support advance HA solution like MCLAG / VSS."	Yes changed.
15	Specification - "E" 24 port Ethernet managed enterprise	Switch should be IPv6 logo ready Certified / IPv6 ready from Day 1.	As per the clause this is specific to only one OEM. We would request to kindly remove this clause.	No change.

	series switch with all accessories: - Point no.37s, Page no.33			
16	Specification - "E" 24 port Ethernet managed enterprise series switch with all accessories: - Point no.37t, Page no.33	2 GB RAM and 2 GB flash.	This clause is specific to only one OEM. Request to relax this clause ask for minimum 512 Mb and 64 MB flash. Hence, we would request to amend the clause to "512 Mb and 64 MB flash."	No change.
17	Specification - "F" 48 port Ethernet managed enterprise series switch with all accessories: - Point no.38a, Page no.35	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 2023 or later.	We would Request to change the clause to "Switch OEM should be in the Gartner's Leaders or Challengers quadrant for Wired and Wireless LAN Access Infrastructure or data centre networking published in 2023 or later." We request to have Leaders and Challengers from Gartner MQ for best of breed solution.	No change.
18	Specification - "F" 48 port Ethernet managed enterprise series switch with all accessories: - Point no.38d, Page no.35	DRAM : 2GB & Flash : 2GB	This clause is specific to only one OEM. Request to relax this clause ask for 512 Mb DRAM and 64 MB flash. Hence, we would request to amend the clause to "DRAM: 512 Mb & Flash: 64 Mb."	No change.
19	Specification - "F" 48 port Ethernet managed enterprise series switch with all accessories- Point no.38t, Page no.36	Switch should have internal power supply. Should have internal redundant power supply from day one	This clause is specific to only one OEM. Asking dual supply in access layer is favoring only one OEM. Hence, we would request to kindly remove this clause.	No change.

20	Specification - "G" 24 port Aggregation Switch:- Point no.39a, Page no.36	Switch OEM should be in the Gartner's Leaders or Challengers or visionary quadrant for Wired and Wireless LAN Access Infrastructure Or datacenter networking published in 2023 or later.	We would Request to change the clause to "Switch OEM should be in the Gartner's Leaders or Challengers quadrant for Wired and Wireless LAN Access Infrastructure or data centre networking published in 2023 or later." We request to have Leaders and Challengers from Gartner MQ for best of breed solution.	No change.
21	Specification - "G" 24 port Aggregation Switch:- Point no.39c, Page no.36	Switch should have 32K MAC and 8GB RAM and 8GB flash. Switch should have Redundant power supply and multiple FANS.	Asking for 8GB Flash Memory is higher and favoring to specific to only one OEM. We would Request to amend the clause to "Switch should have 32K MAC and 8GB RAM and 32 MB Flash and 8GB SSD Drive Switch should have Redundant power supply and multiple FANS."	Yes changed to 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.
22	Specification - "G" 24 port Aggregation Switch:- Point no.39f, Page no.37	Switch shall have minimum 480 Gbps of switching fabric and 360 Mpps of forwarding rate.	Asking for 360 Mpps is specific to only one OEM only and restricts other eligible OEM to participate. Hence, we would request to ask for 1000Mpps & amend the clause to "Switch shall have minimum 480 Gbps of switching fabric and 1000 Mpps of forwarding rate."	No change. The vendor can quote higher side.
23	Specification -"B" 12 port Aggregation Switch , 34:- Page no.30	Additional Point	Justification:- The Segmentation is primarily for end to end and required from Core to Distribution; Hence we request to add this. "Should Support Segmentation Protocol Network segmentation protocols VXLAN and VRF/virtual router, EVPN"	No change.
24	Specification - "C" 24 port Aggregation Switch, 35:-	Additional Point	Justification:- The Segmentation is primarily for end to end and required from Core	No change.

	Page no.31		to Distribution; Hence we request to add this. "Should Support Segmentation Protocol Network segmentation protocols VXLAN and VRF/virtual router, EVPN"	
25	Specification - "G" 24 port Aggregation Switch, 39:- Page no.36	Switch should have 32K MAC and 8GB RAM and 8GB flash. Switch should have Redundant power supply and multiple FANS	Request to change the clause to "Switch should have 90K MAC and 8GB RAM and 8GB flash. Switch should have Redundant power supply and multiple FANS. The scale is less for 24 Port 10G switches with 40G Uplinks. The less scale may lead to forklift upgrade, Hence we request to increase the scale.	No change.
9. HP Enterprise India Pvt. Ltd.				
1	12 Port PoE Network Switches (manageable) Specification - "A" - 33b page no. 30	Support Entries In The MAC Table 8000	Support Entries In The MAC Table 32K and 2K Active vlans. Reason for Changes - MAC Addresses should be supported to avoid congestion in CAM table. Similarly supportability of upto 2K active vlans should be present for implementing proper network segmentation.	No change. The vendor can quote higher side.
2	12 Port PoE Network Switches (manageable) Specification - "A" – 33c page no. 30	Minimum Switching Capacity 12 Gbps	Minimum Switching Capacity 65 Gbps. Reason for Changes - For 12x1G and 2x10G SFP+ operating in full duplex mode line rate, min 65Gbps of switching capacity is required.	No change. The vendor can quote higher side.
3	12 Port PoE Network Switches (manageable) Specification - "A" – 33d page no. 30	Minimum Forwarding capacity 30 Mbps	Minimum Forwarding capacity 40 Mpps. Reason for Changes - For 12x1G and 2x10G SFP+ operating in full duplex mode line rate, min 40Mpps of forwarding rate is required.	Yes changed to minimum No. of 10/100/1000 Mbps Base T Ports 12 PoE+ along with 2x10G fiber uplink ports. The forwarding capacity is increase to 50 Mpps.
4	12 Port Aggregation Switch	Switch OEM should be in the Gartner's Leaders or Challengers or	Switch OEM should be in the Gartner's Leaders for Wired & Wireless LAN	No change.

	Specification - "B" - 34a page no. 30	visionary quadrant for Wired and Wireless LAN Access Infrastructure or data center networking published in 2023 or later.	Access Infrastructure or data center networking published in 2023 or later. Reason for Changes - Gartner Leader OEMs have certified and tested products with stable OS and open integrations. It is recommended to allow only Gartner leaders to participate in this project.	
5	12 Port Aggregation Switch Specification - "B" – 34b page no. 30	12 port 10G SFP+ and 2 or 4, 25G /40G /100G uplink ports populated with SM fiber.	24 port 10G SFP+ and 2 or 4, 25G/50G /40G /100G uplink ports populated with SM fiber. Reason for Changes - Considering future scalability and increase in demand, the switch should support at least 24 ports 10G SFP+. Aggregation layer ports can be used as LAG to increase uplink capacity at the access layer so more ports are required at the aggregation.	Yes changed to "12 port 10/25G fiber ports and 2 port 40/100G uplink ports populated with SM Fiber"
6	12 Port Aggregation Switch Specification - "B" – 34c page no. 30	Switch should have 32K MAC and 8GB RAM and 8 GB flash Switch should have Redundant power supply and multiple FANS.	Switch should support 140K MAC and 16GB RAM and 32GB flash. Switch should have Redundant power supply and multiple FANS. Reason for Changes - 140K MAC address should be supported as this switch will be used in aggregation layer so higher size CAM table should be supported. Similarly to able to host higher CAM table, upto 16GB RAM should be supported.	No change.
7	24 Port Aggregation Switch Specification - "C" - 35a page no. 31	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 2023 or later.	Switch OEM should be in the Gartner's Leaders for Wired & Wireless LAN Access Infrastructure or data center networking published in 2023 or later. Reason for Changes - Gartner Leader OEMs have certified and tested	No change.

			products with stable OS and open integrations. It is recommended to allow only Gartner leaders to participate in this project.	
8	24 Port Aggregation Switch Specification - "C" – 35b page no. 31	24 port 10G SFP+ and 2 x 40G uplink ports populated with SM fiber.	24 port 10G SFP+ and 2 or 4, 25G/50G/40G /100G uplink ports populated with SM fiber. Reason for Changes - Uplink port can vary from OEM to OEM so request to relax the clause for wider participation.	Yes changed to "24 port 10/25G fiber ports and 2 port 40/100G uplink ports populated with SM Fiber".
9	24 Port Aggregation Switch Specification - "C" – 35c page no. 31	Switch should have 32K MAC and 8GB RAM and 8 GB flash Switch should have Redundant power supply and multiple FANS.	Switch should support 140K MAC and 16GB RAM and 32GB flash. Switch should have Redundant power supply and multiple FANS. Reason for Changes - 140K MAC address should be supported as this switch will be used in aggregation layer so higher size CAM table should be supported. Similarly to able to host higher CAM table, upto 16GB RAM should be supported.	No change.
10	24 Port Aggregation Switch Specification - "C" – 35f page no. 31	Switch shall have minimum 480 Gbps of switching fabric and 360 Mpps of forwarding rate.	Switch shall have minimum 880 Gbps of switching fabric and 650 Mpps of forwarding rate. Reason for Changes - Considering 24x10G SFP+ downlink ports and 4x 25/40/50/100G Uplink port non-blocking architecture in full duplex mode, at least 880Gbps of switching capacity should be supported.	No change.
11	24 port Ethernet managed enterprise series switch POE Specification - "D" - 36a page no. 31	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 2023 or later.	Switch OEM should be in the Gartner's Leaders for Wired & Wireless LAN Access Infrastructure or data center networking published in 2023 or later. Reason for Changes - Gartner Leader OEMs have certified and tested products with stable OS	No change.

			and open integrations. It is recommended to allow only Gartner leaders to participate in this project.	
12	24 port Ethernet managed enterprise series switch POE Specification - "D" – 36d page no. 32	Switch should support (excluding uplinks) for minimum 56 Gbps of stacking bandwidth with dedicated stacking ports and cables with minimum 8 switch in stack	Switch should support (excluding uplinks) for minimum 40 Gbps of stacking bandwidth with front plane stacking with minimum 8 switch in stack. Reason for Changes - Front plane stacking uses spare uplink ports for stacking upto eight switches spread across the campus into a single logical stack for ease of manageability. Upto 40Gbps is sufficient as stacking bandwidth and efficient processing so request to relax the clause.	No change.
13	24 port Ethernet managed enterprise series switch POE Specification - "D" – 36f page no. 32	Switch shall have minimum 88 Gbps of switching fabric and 65 Mpps of forwarding rate.	Switch shall have minimum 128 Gbps of switching fabric and 95 Mpps of forwarding rate. Reason for Changes - 24x 1G ports operating at full duplex + 4x10G SFP+ ports operating at full duplex mode makes it totally 128Gbps. Request to alter the clause to at least 128Gbps throughput and adjust forwarding rate to 95.2 Mpps to avoid bottleneck in the network.	No change. The vendor can quote higher side.
14	24 port Ethernet managed enterprise series switch POE Specification - "D" – 36g page no. 32	Shall have minimum 16 K MAC Addresses and 250 active V lans.	Shall have minimum 32 K MAC Addresses and 2K active V lans. Reason for Changes - 32K MAC Addresses should be supported to avoid congestion in CAM table. Similarly supportability of upto 2K active V lans should be present for implementing proper network segmentation.	No change.
15	24 port Ethernet	2 GB RAM and 2 GB flash.	8 GB RAM and 16 GB flash.	No change.

	managed enterprise series switch POE Specification - "D" – 36s page no. 33		Reason for Changes - To be able to host higher CAM table and store more running configuration and saved configuration, higher RAM and flash is required on the switch.	
16	24 port Ethernet managed enterprise series switch Specification - "E" - 37a page no. 33	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 2023 or later.	Switch OEM should be in the Gartner's Leaders for Wired & Wireless LAN Access Infrastructure or data center networking published in 2023 or later. Reason for Changes - Gartner Leader OEMs have certified and tested products with stable OS and open integrations. It is recommended to allow only Gartner leaders to participate in this project.	No change.
17	24 port Ethernet managed enterprise series switch Specification - "E" – 37d page no. 33	Switch should support (excluding uplinks) for minimum 56 Gbps of stacking bandwidth with dedicated stacking ports and cables with minimum 8 switch in stack.	Switch should support (excluding uplinks) for minimum 40 Gbps of stacking bandwidth with front plane stacking with minimum 8 switch in stack. Reason for Changes - Front plane stacking uses spare uplink ports for stacking upto eight switches spread across the campus into a single logical stack for ease of manageability. Upto 40Gbps is sufficient as stacking bandwidth and efficient processing so request to relax the clause.	No change.
18	24 port Ethernet managed enterprise series switch Specification - "E" – 37f page no. 33	Switch shall have minimum 88 Gbps of switching fabric and 65 Mpps of forwarding rate.	Switch shall have minimum 128 Gbps of switching fabric and 95 Mpps of forwarding rate. Reason for Changes - 24x 1G ports operating at full duplex + 4x10G SFP+ ports operating at full duplex mode makes it totally 128 Gbps. Request to alter the clause to at least 128	No change.

			Gbps throughput and adjust forwarding rate to 95.2 Mpps to avoid bottleneck in the network.	
19	24 port Ethernet managed enterprise series switch Specification - "E" – 37g page no. 33	Shall have minimum 16 K MAC Addresses and 250 active V lans.	Shall have minimum 32 K MAC Addresses and 2K active V lans. Reason for Changes - 32K MAC Addresses should be supported to avoid congestion in CAM table. Similarly supportability of upto 2K active vlans should be present for implementing proper network segmentation.	No change.
20	24 port Ethernet managed enterprise series switch Specification - "E" – 37t page no. 34	2 GB RAM and 2 GB flash.	8 GB RAM and 16 GB flash. Reason for Changes - To be able to host higher CAM table and store more running configuration and saved configuration, higher RAM and flash is required on the switch.	No change.
21	48 port Ethernet managed enterprise series switch Specification - "F" - 38a page no. 35	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 2023 or later.	Switch OEM should be in the Gartner's Leaders for Wired & Wireless LAN Access Infrastructure or data center networking published in 2023 or later. Reason for Changes - Gartner Leader OEMs have certified and tested products with stable OS and open integrations. It is recommended to allow only Gartner leaders to participate in this project.	No change.
22	48 port Ethernet managed enterprise series switch Specification - "F" – 38d page no. 35	DRAM : 2GB & Flash : 2GB	8 GB RAM and 16 GB flash. Reason for Changes - To be able to host higher CAM table and store more running configuration and saved configuration, higher RAM and flash is required on the switch.	No change.
23	48 port Ethernet	Configurable up to 8000 MAC addresses.	Shall have minimum 32 K MAC Addresses.	No change.

	managed enterprise series switch Specification - "F" – 38e page no. 35		Reason for Changes - 32K MAC Addresses should be supported to avoid congestion in CAM table.	
24	48 port Ethernet managed enterprise series switch Specification - "F" – 38f page no. 35	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.	IEEE 802.1Q VLAN Encapsulation. Upto 2K Active VLANs should be supported. Support for 4000 VLAN IDs. Centralized VLAN Management. VLANs created on the Core Switches should be propagated automatically. Reason for Changes - Supportability of upto 2K active vlans should be present for implementing proper network segmentation.	No change.
25			Specification-G might be duplicate as 24port Aggregation Switches also mentioned in Specification-C.	As per tender document. Please quote accordingly looking to the protocol arrangements.
26	24 Port Aggregation Switch Specification - "G" - 39a page no. 36	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 2023 or later.	Switch OEM should be in the Gartner's Leaders for Wired & Wireless LAN Access Infrastructure or data center networking published in 2023 or later. Reason for Changes - Gartner Leader OEMs have certified and tested products with stable OS and open integrations. It is recommended to allow only Gartner leaders to participate in this project.	No change.
27	24 Port Aggregation Switch Specification - "G" – 39b page no. 36	24 port 10G SFP+ and 2 x 40G uplink ports populated with SM fiber.	24 port 10G SFP+ and 2 or 4, 25G/50G /40G /100G uplink ports populated with SM fiber. Reason for Changes - Uplink port can vary from OEM to OEM so request to relax the clause for wider participation.	No change.
28	24 Port Aggregation Switch	Switch should have 32K MAC and 8GB RAM and 8 GB flash Switch	Switch should support 140K MAC and 16GB RAM and 32GB flash.	No change.

	Specification - "G" – 39c page no. 36	should have Redundant power supply and multiple FANS.	Switch should have Redundant power supply and multiple FANS. Reason for Changes - 140K MAC address should be supported as this switch will be used in aggregation layer so higher size CAM table should be supported. Similarly to be able to host higher CAM table, upto 16GB RAM should be supported.	
29	24 Port Aggregation Switch Specification - "G" – 39f page no. 37	Switch shall have minimum 480 Gbps of switching fabric and 360 Mpps of forwarding rate.	Switch shall have minimum 880 Gbps of switching fabric and 650 Mpps of forwarding rate. Reason for Changes - Considering 24x10G SFP+ downlink ports and 4x 25/40/50/100G Uplink port non-blocking architecture in full duplex mode, at least 880Gbps of switching capacity should be supported.	No change.
30	Dual band Wifi Access Point, page no. 23	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.	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. Reason for Changes - Request to modify this clause as currently it is favoring one single OEM and just due to this clause the entire RFP is inclined to one OEM. We request the modification of the clause so that other OEMs can also participate with or without using existing Wireless controller. While ensuring user connectivity to the new proposed wifi access points.	Yes changed. 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 and it shall be compatible with CISCO ISE & WLC or the vendor shall supply the controller for functioning of another make /model wifi access point.
31	12 Port PoE Network Switches	The Switch should support integrated trusted platform module	Reason for Addition - TPM ensures the boot process started from a	Yes changed /added.

	(manageable) Specification - "A" - Additional Specifications – page no. 30	(TPM) for platform integrity.	trusted combination of switches.	
32	12 Port PoE Network Switches (manageable) Specification	Should support a stack of upto 8 members with minimum stacking bandwidth of 20Gbps	Reason for Addition - Switches should support stacking for ease of management and reducing the number of uplinks to the aggregation and hence the fiber laid, reducing TCO.	Yes added.
33	12 Port PoE Network Switches (manageable) Specification	6 MB Packet buffer size	Reason for Addition - Packet Buffer is memory space that has been specifically set aside to store packets awaiting transmission or to store packets that have been received over a network. Increased packet buffer helps in avoiding bandwidth bottleneck during transmission to support video traffic such as CCTV.	Quote as per tender document.
34	12 Port PoE Network Switches (manageable) Specification	Front plane stacking creates one virtual resilient switch from up to eight switches over distances upto 10km	Reason for Addition - Front plane stacking uses spare uplink ports for stacking upto eight switches spread across the campus into a single logical stack for ease of manageability.	Quote as per tender document.
35	12 Port PoE Network Switches (manageable) Specification	The switch should support OSPFv2 and OSPFv3 protocols.	Reason for Addition - Support of OSPF is required for routing between access and the next layer on the LAN.	Quote as per tender document.
36	12 Port PoE Network Switches (manageable) Specification	Switch OEM should be in the Gartner's Leaders for Wired & Wireless LAN Access Infrastructure or data center networking published in 2023 or later	Reason for Addition - Gartner Leader OEMs have certified and tested products with stable OS and open integrations. It is recommended to allow only Gartner leaders to participate in this project	Quote as per tender document /clarifications.
37	12 Port Aggregation	Packet buffer size of minimum 32 MB	Reason for Addition - Packet Buffer is memory	Quote as per tender document.

	Switch Specification - "B" – page no. 30	support video/streaming traffic aggregation	space that has been specifically set aside to store packets awaiting transmission or to store packets that have been received over a network. Increased packet buffer helps in avoiding bandwidth bottleneck during transmission to support video traffic such as CCTV.	
38	12 Port Aggregation Switch Specification - "B" – page no. 30	Switch shall have minimum 880 Gbps of switching fabric and 650 Mpps of forwarding rate.	Reason for Addition - Considering 24x10G SFP+ downlink ports and 4x 25/40/50/100G Uplink port non-blocking architecture in full duplex mode, at least 880Gbps of switching capacity should be supported.	Quote as per tender document.
39	24 Port Aggregation Switch Specification - "C" – page no. 31	Packet buffer size of minimum 32 MB support video/streaming traffic aggregation	Reason for Addition - Packet Buffer is memory space that has been specifically set aside to store packets awaiting transmission or to store packets that have been received over a network. Increased packet buffer helps in avoiding bandwidth bottleneck during transmission to support video traffic such as CCTV.	Quote as per tender document.
40	24 port Ethernet managed enterprise series switch POE Specification - "D" – page no. 32	The Switch should support integrated trusted platform module (TPM) for platform integrity.	Reason for Addition - TPM ensures the boot process started from a trusted combination of switches.	Yes changed /added.
41	24 port Ethernet managed enterprise series switch POE Specification - "D" – page no. 32	6 MB Packet buffer size	Reason for Addition - Packet Buffer is memory space that has been specifically set aside to store packets awaiting transmission or to store packets that have been received over a network. Increased packet buffer helps in avoiding bandwidth bottleneck	Quote as per tender document.

			during transmission to support video traffic such as CCTV.	
42	24 port Ethernet managed enterprise series switch POE Specification - "D" – page no. 32	The switch should support OSPFv2 and OSPFv3 protocols.	Reason for Addition - Support of OSPF is required for routing between access and the next layer on the LAN.	Quote as per tender document.
43	24 port Ethernet managed enterprise series switch Specification - "E" – page no. 33	The Switch should support integrated trusted platform module (TPM) for platform integrity.	Reason for Addition - TPM ensures the boot process started from a trusted combination of switches.	Yes changed.
44	24 port Ethernet managed enterprise series switch Specification - "E" – page no. 33	6 MB Packet buffer size	Reason for Addition - Packet Buffer is memory space that has been specifically set aside to store packets awaiting transmission or to store packets that have been received over a network. Increased packet buffer helps in avoiding bandwidth bottleneck during transmission to support video traffic such as CCTV.	Quote as per tender document.
45	24 port Ethernet managed enterprise series switch Specification - "E" – page no. 33	The switch should support OSPFv2 and OSPFv3 protocols.	Reason for Addition - Support of OSPF is required for routing between access and the next layer on the LAN.	Quote as per tender document.
46	48 port Ethernet managed enterprise series switch Specification - "F" – page no. 35	Switch should support (excluding uplinks) for minimum 40 Gbps of stacking bandwidth with front plane stacking with minimum 8 switch in stack	Reason for Addition - Front plane stacking uses spare uplink ports for stacking upto eight switches spread across the campus into a single logical stack for ease of manageability with Upto 40Gbps as stacking bandwidth.	Quote as per tender document.
47	48 port Ethernet managed	The Switch should support integrated trusted platform module	Reason for Addition - TPM ensures the boot process started from a	Yes changed /added.

	enterprise series switch Specification	(TPM) for platform integrity.	trusted combination of switches.	
48	48 port Ethernet managed enterprise series switch Specification	6 MB Packet buffer size	Reason for Addition - Packet Buffer is memory space that has been specifically set aside to store packets awaiting transmission or to store packets that have been received over a network. Increased packet buffer helps in avoiding bandwidth bottleneck during transmission to support video traffic such as CCTV.	Quote as per tender document.
49	48 port Ethernet managed enterprise series switch Specification	The switch should support OSPFv2 and OSPFv3 protocols.	Reason for Addition - Support of OSPF is required for routing between access and the next layer on the LAN.	Quote as per tender document.
50	24 Port Aggregation Switch Specification - "G" – page no. 36	Packet buffer size of minimum 32 MB support video/streaming traffic aggregation	Reason for Addition - Packet Buffer is memory space that has been specifically set aside to store packets awaiting transmission or to store packets that have been received over a network. Increased packet buffer helps in avoiding bandwidth bottleneck during transmission to support video traffic such as CCTV.	Quote as per tender document.
10. M/s 3C3 India Pvt. Ltd.				
1	8. SPECIFICATIONS - Part – "A (Page 17)	1. UTP CAT 6 cable (Box of 305m)	Kindly provide detail specification as referred.	Quote as per tender document. The supplied item should be of reputed and standard make having Splinesless features or equivalent for quick installation. UL & ROHS Compliant.
2	8. SPECIFICATIONS - Part – "A (Page 17)	2. 24 port Patch Panel CAT 6 (each)	Kindly provide detail specification as referred.	Quote as per tender document. The supplied item should be of should be of reputed make and having UL & ROHS Compliant.
3	8.	Point 3.a,3.b&3.c	Kindly provide detail	Quote as per tender

	SPECIFICATIONS - Part - "A (Page 17)	Information Outlet CAT 6 (faceplate + keystone jack+gang box (each complete set)	specification as referred.	document. The supplied item should be reputed and standard make. Should have all standard certifications.
4	8. SPECIFICATIONS - Part - "A (Page 17)	Point 4.a & 4.b Patch Cords CAT 6 (each) At least in 2 colour as per order)	Kindly provide detail specification as referred.	Quote as per tender document. The supplied item should be of reputed and standard make. Should have all standard certifications.
5	8. SPECIFICATIONS - Part - "A (Page 17 & 18)	Point 5.a,5.b & 5.c Fiber Components - Fiber Optic indoor /outdoor tight buffered cable single mode (SM)	Kindly provide detail specification as referred.	Quote as per tender document. The supplied item should be of reputed and standard make. Should have all standard certifications.
6	8. SPECIFICATIONS - Part - "A (Page 17)	Point 6.a,b,c Fiber Optic outdoor armoured cable single mode (SM)	Kindly provide detail specification as referred.	Quote as per tender document. The supplied item should be of reputed and standard make. Should have all standard certifications.
7	8. SPECIFICATIONS - Part - "A (Page 17)	Point 9 & 10 Optical Fiber pigtail SC & LC Type, 1 meter	Kindly provide detail specification as referred.	Quote as per tender document. The supplied item should be of reputed and standard make. Should have all standard certifications.
8	8. SPECIFICATIONS - Part - "A (Page 17)	Point 11,12,13,14,15 & 16. Optical Fiber Patch Cord, simplex /duplex, SM/MM, SC/LC to SC/LC,OS2/OM3/OM4.	Kindly provide detail specification as referred.	Quote as per tender document. The supplied item should be of reputed and standard make. Should have all standard certifications.

Note:-

1. 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.
2. The specifications mentioned in the tender document are minimum and bidder can quote higher specification or

equivalent specifications meeting out the requirement of the tender.

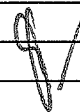
3. The above clarifications are for all the prospective bidders for their tender reference and necessary action.
4. All future correspondence/ clarifications/ addendum/ corrigendum shall be available on the website of the High Court of Madhya Pradesh i.e. www.mphc.gov.in and Government e-procurement portal www.mptenders.gov.in.
5. All the pages of the bids and Annexure's are to be sealed and signed by the authorized officers of the company / vendor.
6. All prospective bidders are requested to submit the bid with all relevant documents in sequenced manner, without fail.
7. The decision of the High Court of Madhya Pradesh in selection/ finalization of firm/vendor shall be final and no objection in this regard shall be entertained.
8. The last date for online tender submission is hereby extended till 01st August, 2024 by 6:00 PM (mandatory) hard copy submission is to be made by 02nd August, 2024 by 5:00 PM (mandatory) and online technical bid opening will take place on 03rd August, 2024 at 11:30 AM.

**Sd/-
REGISTRAR GENERAL**

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
1	Alirajpur/ alirajpur
2	Alirajpur/ jobat
3	Anuppur/ anuppur
4	Anuppur/ rajendragram
5	Anuppur/ kotma
6	Ashoknagar/ ashoknagar
7	Ashoknagar/ mungaoli
8	Ashoknagar/ chanderi
9	Ashoknagar/ esagarh
10	Balaghat/ balaghat
11	Balaghat/ baihar
12	Balaghat/ waraseoni
13	Balaghat/ katangi
14	Balaghat/ lanjji
15	Barwani/ barwani
16	Barwani/ sendhwa
17	Barwani/ anjad
18	Barwani/ rajpur
19	Barwani/ khetiya
20	Betul/ betul
21	Betul/ multai
22	Betul/ bhainsdehi
23	Betul/ amla
24	Bhind/ bhind
25	Bhind/ lahar
26	Bhind/ gohad
27	Bhind/ mehgaon
28	Bhopal/ bhopal
29	Bhopal/ berasia
30	Burhanpur/ burhanpur
31	Burhanpur/ nepanagar
32	Chhatarpur/ chhatarpur
33	Chhatarpur/ bijawar
34	Chhatarpur/ nowgong
35	Chhatarpur/ lavkush
36	Chhatarpur/ rajnagar
37	Chhatarpur/ badamalehra
38	Chhatarpur/ buxwaha
39	Chhindwara/ chhindwara
40	Chhindwara/ harrai
41	Chhindwara/ tamia
42	Chhindwara/ amarwara
43	Chhindwara/ sausar



44	Chhindwara/ parasiya
45	Chhindwara/ pandhurna
46	Chhindwara/ junnardeo
47	Chhindwara/ chorai
48	Damoh/ damoh
49	Damoh/ hatta
50	Damoh/ patharia
51	Damoh/ tendukheda
52	Datia/ datia
53	Datia/ seodha
54	Datia/ bhander
55	Dewas/ dewas
56	Dewas/ sonkatch
57	Dewas/ bagli
58	Dewas/ kannod
59	Dewas/ khatagaon
60	Dewas/ tonkurd
61	Dhar/ dhar
62	Dhar/ kukshi
63	Dhar/ manawar
64	Dhar/ sardarpur
65	Dhar/ badnawar
66	Dhar/ dharamपुरi
67	Dindori/ dindori
68	Dindori/ shahpura
69	Guna/ guna
70	Guna/ raghogarh
71	Guna/ chachoda
72	Guna/ aaron
73	Gwalior/ gwalior
74	Gwalior/ dabra
75	Gwalior/ bhitarwar
76	Harda/ harda
77	Harda/ khirkiya
78	Harda/ timarni
79	Hoshangabad/ hoshangabad
80	Hoshangabad/ seonimalwa
81	Hoshangabad/ sohagpur
82	Hoshangabad/ pachmari
83	Hoshangabad/ itarsi
84	Hoshangabad/ pipariya
85	Indore/ indore
86	Indore/ sanwer
87	Indore/ mhow
88	Indore/ hatod
89	Indore/ depalpur
90	Jabalpur/ jabalpur
91	Jabalpur/ sihora



92	Jabalpur/ patan
93	Jhabua/ jhabua
94	Jhabua/ thandla
95	Jhabua/ petlawad
96	Katni/ katni
97	Katni/ vijayraghavgarh
98	Katni/ dhimarkheda
99	Katni/ barhi
100	Khandwa/ khandwa
101	Khandwa/ punasha
102	Khandwa/ harsud
103	Khandwa/ mandhata
104	Khargone/ agar
105	Mandla/ mandla
106	Mandla/ niwas
107	Mandla/ nainpur
108	Mandla/ bichhiya
109	Mandleshwar/ mandleshwar
110	Mandleshwar/ khargone
111	Mandleshwar/ bhikangaon
112	Mandleshwar/ kasrawad
113	Mandleshwar/ barwaha
114	Mandleshwar/ maheshwar
115	Mandleshwar/ sanawad
116	Mandsaur/ mandsaur
117	Mandsaur/ sitamau
118	Mandsaur/ bhanpura
119	Mandsaur/ garoth
120	Mandsaur/ narayangarh
121	Morena/ morena
122	Morena/ ambah
123	Morena/ jora
124	Morena/ sabalgarh
125	Narsinghpur/ narsinghpur
126	Narsinghpur/ gadarwara
127	Narsinghpur/ tendukheda
128	Narsinghpur/ gotegaon
129	Neemuch/ neemuch
130	Neemuch/ jawad
131	Neemuch/ manasa
132	Neemuch/ rampura
133	Panna/ panna
134	Panna/ pawai
135	Panna/ ajaygarh
136	Raisen/ raisen
137	Raisen/ begumganj
138	Raisen/ udaipura
139	Raisen/ bareli



140	Raisen/ goharganj
141	Raisen/ gairatganj
142	Raisen/ silwani
143	Rajgarh/ rajgarh
144	Rajgarh/ khilchipur
145	Rajgarh/ biaora
146	Rajgarh/ narsinghgarh
147	Rajgarh/ zirapur
148	Rajgarh/ sarangpur
149	Ratlam/ ratlam
150	Ratlam/ jaora
151	Ratlam/ alote
152	Ratlam/ sailana
153	Rewa/ rewa
154	Rewa/ teonthar
155	Rewa/ mauganj
156	Rewa/ sirmaur
157	Rewa/ hanumana
158	Sagar/ sagar
159	Sagar/ rehli
160	Sagar/ khurai
161	Sagar/ banda
162	Sagar/ bina
163	Sagar/ deori
164	Sagar/ garhakota
165	Sagar/ malthone
166	Sagar/ shahgarh
167	Sagar/ kesli
168	Satna/ satna
169	Satna/ maihar
170	Satna/ nagod
171	Satna/ amarpatan
172	Satna/ rampurbaghelan
173	Satna/ unchehra
174	Satna/ chitrakoot
175	Sehore/ sehore
176	Sehore/ ashta
177	Sehore/ nasrullaganj
178	Sehore/ budhni
179	Sehore/ ichhawar
180	Seoni/ seoni
181	Seoni/ lakhnadon
182	Seoni/ ghansor
183	Seoni/ keolari
184	Shahdol/ shahdol
185	Shahdol/ behari
186	Shahdol/ burhar
187	Shahdol/ jaisinghnagar



188	Shahdol/ jaitpur
189	Shajapur/ shajapur
190	Shajapur/ shujalpur
191	Shajapur/ susner
192	Shajapur/ nalkheda
193	Sheopur/ sheopur
194	Sheopur/ vijaypur
195	Shivpuri/ shivpuri
196	Shivpuri/ kolaras
197	Shivpuri/ karera
198	Shivpuri/ pichhore
199	Shivpuri/ pohari
200	Shivpuri/ khaniyadhana
201	Sidhi/ sidhi
202	Sidhi/ churhat
203	Sidhi/ majholi
204	Sidhi/ rampurnaikin
205	Singrauli/ singrauli
206	Singrauli/ deosar
207	Tikamgarh/ tikamgarh
208	Tikamgarh/ jatara
209	Tikamgarh/ niwari
210	Tikamgarh/ orchha
211	Ujjain/ ujjain
212	Ujjain/ mahidpur
213	Ujjain/ tarana
214	Ujjain/ badnagar
215	Ujjain/ khachrod
216	Ujjain/ nagda
217	Umaria/ umaria
218	Umaria/ birsinghpurpali
219	Umaria/ manpur
220	Vidisha/ vidisha
221	Vidisha/ ganjbasoda
222	Vidisha/ sironj
223	Vidisha/ kurwai
224	Vidisha/ lateri
C	All Family Courts in the State of Madhya Pradesh

