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.	turnover to 10 Crores instead of 4 Crores from	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	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 CNWIN Level - 3 certificate and same shall be submitted at the time of bid submitted at the time of active components Yes changed to 2023 or 2024. 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. The rates for the LAN work shall be valid for the period of one year from the data of contract. The contract may be extended further for the period of one by the High Court looking to cher terms and condition / Point 1 The Bidder shall be inposed Kindly allow at least 90 days to complete the work. To complete the task within 60 days to complete the work. 7 Page 11- Order failing which the perality of Rs. 500/- per day per work order shall be imposed Not cations, necessary pre requisite to complete the work. To complete the days to complete the work. 1 8. SPECIFICA TIONS					
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1 8. 7. Optical Fiber Optica Fiber optic cable.					
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Point 1or 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 imposedrequired information, list of locations, necessary per requisite to complete the LAN Installation work.issue of Purchase Order /Work Order. The work order shall be issued in phases, depending upon the requirement of the High Court of Madhya Pradesh.18. SPECIFICA TIONS - Part -"A" 8.1: Items with details7. Optical Fiber Connector SC Type, Epoxy less (each) 3M/ finolex /Fujitsu/ D link/Legrand/Molex or equivalent brand ofOptical Fiber Connectors or det to connectorise the fiber core during termination process ofIt required on need basis.			complete the installation		
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1 8. 7. Optical Fiber Optical Fiber Connectors It required on need SPECIFICA Connector SC Type, are used to connectorise basis. TIONS Epoxy less (each) 3M/ the fiber core during termination of the fiber - Part -"A" finolex /Fujitsu/ D termination of the fiber 8.1: Items link/Legrand/Molex or optic cable. The with details equivalent brand of termination process of					Madhya Pradesh.
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8.1: Items link/Legrand/Molex or optic cable. The with details equivalent brand of termination process of				0	
with details equivalent brand of termination process of			2		
			-		

	material): -		being done by using	
	Page 17		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.	
2	8. SPECIFICA TIONS - 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 repute	are used to connectorise the fiber core during termination of the fiber optic cable. The termination process of	It required on need basis.
3	8.SPECIFIC ATION 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 repute	Optical Fiber Connectors are used to connectorise the fiber core during termination of the fiber optic cable. The	It required on need basis.

4	8.SPECIFIC ATION	3.Optical Fiber Connectors LC	Optical Fiber Connectors are used to connectorise	It required on need basis.
	S: Part –"B"	Type, Epoxy less (each)		
	8.1.1: Items	3M/finolex/Fujitsu /D	termination of the fiber	
	with details (Bill of	Link/Legrand/Molex or equivalent brand of	optic cable. The termination process of	
	material): -	repute	fiber cable is also being	
	Page 25		done by using fiber	
	5		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	
5	8.2	8.2.4 The cabling	fiber termination. The structured cabling	No change.
5	Structured	components and the	products are tested and	no change.
	Cabling	system (cables, I/Os,		
	Page 38	Patch Cords and Jack	for the performance of	
		Panel) shall.	the respective Category	
		i. IEEE 802.3compliant	•	
		ii. Conform to the TIA/EIA 568standard	request to Incorporate ETL Certification also as	
		iii. UL listed	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.	
		2 M/a ITOO T-	iii. UL listed/ETL Verified.	
1	Specification		chnologies Pvt. Ltd.	The wonder easy sucto
1	Specification - A, 33 b	Support Entries In The MAC Table 8000	We request you to amend this as "Support	The vendor can quote higher side.
	.,		Entries in MAC 16000".	g.ioi oldol
			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	
2	Specification	Minimum Switching	We request you to	No change.
	- A, 33 c	Capacity 12 Gbps	modify this as "Minimum	

			switching capacity 64	
			Gbps". Justification - This is	
			needed for line rate	
			performance	
3	Specification	Minimum No. Of	We request you to	Yes changed to
0	- A, 33 a	10/100/100 Mbps Base	modify this as "Minimum	minimum No. of
	, , oo u	T Ports 12 PoE+	No. of 10/100/100 Mbps	10/100/1000 Mbps
			Base T Ports 12 PoE+	Base T Ports 12 PoE+
			along with 2x10G fiber	along with 2x10G fiber
			uplink ports".	uplink ports.
			Justification - It is	
			necessary to specify the	
			uplink port count and	
			type. Hence requesting	
			you to modify the specs	
4	Onesification	Niningung Formularding	as suggested.	Vee sharred
4	Specification - A, 33 d	Minimum Forwarding	Pls. modify this as "Minimum Forwarding	Yes changed.
	- A, 33 u	capacity 30 Mbps	capacity 50 Mbps".	
			Justification - This is	
			needed for line rate	
			performance	
5	Specification	New addition	Switches should be ipv6	Yes added in the
	- A, 33 i		logo certified from day 1.	specifications.
			Justification - This is	
			needed to ensure	
			complete IPv6	
			functionality is supported.	
6	Specification	New addition	Switch should support	Yes added in the
	- A, 33 j		PoE, PoE+ on all ports and deliver a power	specifications.
			budget of 240W.	
			Justification - specifying	
			a power budget is	
			necessary so requesting	
			to add this clause.	
7	Specification	12 port 10G SFP+ and 2	Pls modify as "12 port	Yes changed to "12
	- B, 34 b	or 4, 25G	10/25G fiber ports and 2	port 10/25G fiber ports
		/40G /100G uplink ports	port 40/100G uplink ports	and 2 port 40/100G
		populated with SM fiber.	populated with SM Fiber".	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	
8	Specification	Switch should have 32K	upgrade the hardware. Pls modify as "Switch	No change.
	- B, 34 c	MAC and 8GB RAM and	should have 32K MAC	
L	2,010			

[9 CD fleeb Switch	and OCD DAM and O CD	
		8 GB flash Switch should have Redundant	and 8GB RAM and 8 GB flash Switch should have	
			Redundant power supply	
		power supply and multiple FANS	and multiple FANS from	
			day 1".	
			Justification -	
			Aggregation switches	
			should come with	
			redundant power supply	
	a 1 a 11		from day 1.	
9	Specification	New addition	Switch should have	The vendor can quote
	- B, 34 e		16MB or more packet	higher side.
			buffer.	
			Justification - This is	
			needed for efficient	
			congestion management	
10	Specification	New addition	During system boots, the	Yes added.
	- B, 34 f		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.	
11	Specification	New addition	Switch shall have	No change.
	- B, 34 G		modular OS to support	5
	,		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.	
12	Specification	New addition	Switch should have a	No change.
	- B, 34 h		switching capacity of	
	D, 04 II		1000 Gbps and	
			forwarding rate of min	
			744 Mpps.	
			Justification - This is	
			required for line rate	
			performance.	
13	Specification	New addition	Switch should be	No change.
10	- B, 34 i		stackable. It should have	No change.
	- 0, 341		a dedicated stacking port	
			a dedicated stacking poll	

				I
			other than the uplink	
			ports. Justification - This is	
			required to deploy the aggregation switch in	
			00 0	
			High Availability	
14	Specification	24 port 10G SFP+ and 2	/redundancy. "Pls modify as "24 port	Yes changed to "24
14	- C 35 b	x 40G uplink ports	10/25G fiber ports and 2	port 10/25G fiber ports
	-0.33.0	populated with SM fiber	port 40/100G uplink ports	and 2 port 40/100G
		populated with Sivi liber	populated with SM	uplink ports populated
			Fiber".	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.	
15	Specification	Switch should have 32K	Pls modify as "Switch	No change.
	- C 35 c	MAC and 8GB RAM and	should have 32K MAC	
		8 GB flash Switch	and 8GB RAM and 8 GB	
		should have Redundant	flash Switch should have	
		power supply and	Redundant power supply	
		multiple FANS	and multiple FANS from day 1".	
			Justification -	
			Aggregation switches	
			should come with	
			redundant power supply	
			from day 1.	
16	Specification	New addition	Switch should have	No change.
	- C 35 e		16MB or more packet	Ŭ
			buffer.	
			Justification - This is	
			needed for efficient	
			congestion management	
17	Specification	New addition	During system boots, the	Yes changed.
	- C 35 f		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	
L		1		

			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.

- F 38 j Unidirectional Links (in case of fiber cut) "Support for Detection of Unidirectional Links (in case of fiber cut) and disable them to avoid loops". 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. No change. 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 in any Gov Organization. It means that the service and should in any Gov Organization.	nks :ut)	Support for Detection of Unidirectional Lin (in case of fiber cu and disable them	Hence requesting you to modify the clause as suggested Please modify as "Support for Detection of			
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". Yes changed if 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 Bartner's Leaders or Challengers or visionary quadrant for Wired and Wireless LAN Access Infrastructure Or datacenter networking published in 2023 or later. No change. 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 confirm who will It means that th service engineers or case registered against hit in any Gov	ion nks :ut)	Support for Detection of Unidirectional Lin (in case of fiber cu and disable them	modify the clause as suggested Please modify as "Support for Detection of			1
24 Specification - F 38 j Support for Detection of Undirectional 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". Yes changed is Support for Detection of Unidirectional Link (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 or Challengers or visionary quadrant for Wired and Wireless LAN Access Infrastructure Or datacenter networking published in 2023 or later. No change. 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 confirm who will It means that th service engineers/Technical Persons deputed for in any Gov 2 7 The bidder shall install Kindly confirm who will The UPS shall b	ion nks :ut)	Support for Detection of Unidirectional Lin (in case of fiber cu and disable them	suggested Please modify as "Support for Detection of			
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". Yes changed for Upport for Detection of Unidirectional Links (in case of fiber cut) and disable them to avoid loops". Support for Detection of Unidirectional Links (in case of fiber cut) and disable them to avoid loops". Support for Detection of Unidirectional Link (in case of fiber cut) avoid loops. 25 All switches Switch OEM should be in the Gartner's Leaders or Challengers or Visionary quadrant for Vired and Wireless LAN Access Infrastructure Or datacenter networking published Switch OEM should be in the Gartner's Leaders quadrant for Wired and Wireless LAN Access Infrastructure Or datacenter networking published No change. 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 confirm who will It meuns that the service engineer should not have ar type of case registered against hit in any Gov 2 7 The bidder shall install Kindly confirm who will The UPS shall b	ion nks :ut)	Support for Detection of Unidirectional Lin (in case of fiber cu and disable them	Please modify as "Support for Detection of			
2 7 The bidder shall install Kindly confirm who will Kindly confirm who will 2 7 The bidder shall install Kindly confirm who will The UPS shall b	nks :ut)	Support for Detection of Unidirectional Lin (in case of fiber cu and disable them	"Support for Detection of	Support for Detection of	Specification	24
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uninterrupted power Court.	gu		be providing of o			
supply equipments and						
other peripherals				other peripherals		
necessary to make the						
network functional.		Only for avitable			10	
3 10 The bidder is required to Kindly clarify if the Only for switches. submit brochure(s) of brochure is required only			, , ,		10	3
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		Unity for Switches.	for switches or all the			
supplied and installed cables)		Only for switches.				
for Local Area Network		Only for switches.	equipments (including	supplied and installed	1	1
and other related work.		Only for switches.	equipments (including	for Local Area Network		
			equipments (including cables)	for Local Area Network and other related work.	12	
		Not carrying out th	equipments (including cables)	for Local Area Network and other related work. The job carried out shall	12	4
			equipments (including cables) Request you share the severity bifurcation of the	for Local Area Network and other related work. The job carried out shall be to the satisfaction of	12	4
from the In-Charge,		Not carrying out th	equipments (including cables)	for Local Area Network and other related work. The job carried out shall be to the satisfaction of the Registrar General	12	4
Computer Section of the		Not carrying out th	equipments (including cables) Request you share the severity bifurcation of the	for Local Area Network and other related work. The job carried out shall be to the satisfaction of the Registrar General after getting certification	12	4

		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.

<u> </u>				The sector f
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 MCLAG /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 MCLAG / 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. N	I/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.

[notwork	
6	New Clause	The device should support AVB	network. 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 shouldsupportdockercontainersforapplication 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.		
4			s 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.	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.

8	–"E"- 37 d	(excluding uplinks) for minimum 56 Gbps of stacking bandwidth with dedicated stacking ports and cables with minimum 8 switch in stack.	Availability. Dedicated stacking ports favour specific OEM. Request releax this cluase. Switch should support dedicated stacking port or support advance HA solution like MCLAG / VSS Favoring to specific	No change.
	–"E"- 37 s	logo ready Certified / IPv6 ready from Day 1.	OEM. Request to Remove this clause	
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.
1	Tender	8. VSN Inter The Registrar General,	national Pvt. Ltd. As per the clause 05	It is to clarify that we
	Document, Page no.2	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	•	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

2	Section – III,	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. i. The Bidder shall	request to consider orders having 03 years warranty also.	terms and conditions of the tender document.
	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.		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 turn over.	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 (manageabl e) 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.

	Delint	Mined and Mineters LAND		I
	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.	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.

I				
	series switch			
	with all			
	accessories:			
	- Point			
	no.37s,			
	Page no.33			
16	Specification	2 GB RAM and 2 GB	This clause is specific to	No change.
	- "E" 24 port	flash.	only one OEM. Request	
	Ethernet		to relax this clause ask	
	managed		for minimum 512 Mb and	
	enterprise		64 MB flash. Hence, we	
	series switch		would request to amend	
	with all		the clause to "512 Mb	
	accessories:		and 64 MB flash."	
	- Point			
	no.37t, Page			
	no.33			
17	Specification	Switch OEM should be	We would Request to	No change.
	- "F" 48 port	in the Gartner's Leaders	change the clause to	
	Ethernet	or Challengers or	"Switch OEM should be	
	managed	visionary quadrant for	in the Gartner's Leaders	
	enterprise	Wired and Wireless LAN	or Challengers quadrant	
	series switch	Access Infrastructure or	for Wired and Wireless	
	with all	data center networking	LAN Access	
	accessories:	published in 2023 or	Infrastructure or data	
	accessories.	later.	centre networking	
	Point	later.	•	
			published in 2023 or	
	no.38a,		later."	
	Page no.35			
			We request to have	
			Leaders and Challengers	
			from Gartner MQ for best	
	• • • •		of breed solution.	
18	Specification	DRAM: 2GB & Flash:	This clause is specific to	No change.
	- "F" 48 port	2GB	only one OEM. Request	
	Ethernet		to relax this clause ask	
	managed		for 512 Mb DRAM and	
	enterprise		64 MB flash. Hence, we	
	series switch		would request to amend	
	with all		the clause to "DRAM:	
	accessories:		512 Mb & Flash: 64 Mb."	
	-			
	Point			
	no.38d,			
	Page no.35			
19	Specification	Switch should have	This clause is specific to	No change.
	- "F" 48 port	internal power supply.	only one OEM. Asking	-
	Ethernet	Should have internal	dual supply in access	
	managed	redundant power supply	layer is favoring only one	
	enterprise	from day one	OEM. Hence, we would	
	series switch	,	request to kindly remove	
	with all		this clause.	
	accessories-			
	Point no.38t,			
	Page no.36			
	1 895 10.00			

	Coolfication	Quitab OFM abound by	Ma would Desure to	No obongo
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.

25	Page no.31 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	to Distribution; Hence we request to add this. "Should Support Segmentation Protocol Network segmentation protocols VXLAN and VRF/virtual router, EVPN" 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	No change.
			scale.	
			rise India Pvt. Ltd.	NI
1	12 Port PoE Network Switches (manageabl e) 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 (manageabl e) 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 (manageabl e) 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.

			anadusta 10 st. 11 CC	1
			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	No change.
			request to relax the	
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.	clause. 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	2 GB RAM and 2 GB	8 GB RAM and 16 GB	No change.
	Ethernet	flash.	flash.	-

	•	r		1
	managed		Reason for Changes -	
	enterprise		To be able to host higher	
	series switch		CAM table and store	
	POE		more running	
	Specification		configuration and saved	
	- "D" – 36s		configuration, higher	
	page no. 33		RAM and flash is	
			required on the switch.	
16	24 port	Switch OEM should be	Switch OEM should be in	No change.
	Ethernet	in the Gartner's Leaders	the Gartner's Leaders for	-
	managed	or Challengers or	Wired & Wireless LAN	
	enterprise	visionary quadrant for	Access Infrastructure or	
	series switch	Wired and Wireless LAN	data center networking	
	Specification	Access Infrastructure or	published in 2023 or	
	- "E" - 37a	data center networking	later.	
	page no. 33	published in 2023 or	Reason for Changes -	
	page no. 55	later.	Gartner Leader OEMs	
		later.	have certified and tested	
			products with stable OS	
			and open integrations. It	
			is recommended to allow	
			only Gartner leaders to	
			participate in this project.	
17	24 port	Switch should support	Switch should support	No change.
	Ethernet	(excluding uplinks) for	(excluding uplinks) for	
	managed	minimum 56 Gbps of	minimum 40 Gbps of	
	enterprise	stacking bandwidth with	stacking bandwidth with	
	series switch	dedicated stacking ports	front plane stacking with	
	Specification	and cables with	minimum 8 switch in	
	- "E" – 37d	minimum 8 switch in	stack.	
	page no. 33	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.	
18	24 port	Switch shall have	Switch shall have	No change
10		minimum 88		No change.
	Ethernet		minimum 128 Gbps of	
	managed	Gbps of switching fabric	switching fabric and 95	
	enterprise	and 65 Mpps of	Mpps of forwarding rate.	
	series switch	forwarding rate.	Reason for Changes -	
	Specification		24x 1G ports operating at	
	- "E" – 37f		full duplex + 4x10G	
	page no. 33		SFP+ ports operating at	
			full duplex mode makes it	
			totally 128 Gbps.	
			Request to alter the	
			clause to at least 128	

				[]
			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.	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.	
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.	0	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.

	(managaah)	(TDM) for platform	tructed combination of	
	(manageabl e)	(TPM) for platform integrity.	trusted combination of switches.	
	Specification	intogrity.	ownerioo.	
	- "A" -			
	Additional			
	Specification			
	s – page no.			
32	30 12 Port PoE	Should support a stack	Reason for Addition -	Yes added.
52	Network	of upto 8 members with	Switches should support	
	Switches	minimum stacking	stacking for ease of	
	(manageabl	bandwidth of 20Gbps	management and	
	e)		reducing the number of	
	Specification		uplinks to the	
			aggregation and hence	
			the fiber laid, reducing	
33	12 Port PoE	6 MB Packet buffer size	TCO. Reason for Addition -	Quote as per tender
	Network		Packet Buffer is memory	document.
	Switches		space that has been	
	(manageabl		specifically set aside to	
	e)		store packets awaiting	
	Specification		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	
	40.0.10.5		as CCTV.	0.1.1.1
34	12 Port PoE Network	Front plane stacking creates one virtual	Reason for Addition - Front plane stacking	Quote as per tender document.
	Switches	creates one virtual resilient switch from up	Front plane stacking uses spare uplink ports	uocument.
	(manageabl	to eight switches over	for stacking upto eight	
	e)	distances upto 10km	switches spread across	
	Specification		the campus into a single	
			logical stack for ease of	
0.5	10 0 10 5	T E	manageability.	
35	12 Port PoE Network	The switch should support OSPFv2 and	Reason for Addition - Support of OSPF is	Quote as per tender document.
	Switches	support OSPFv2 and OSPFv3 protocols.	required for routing	
	(manageabl		between access and the	
	e)		next layer on the LAN.	
	Specification		-	
36	12 Port PoE	Switch OEM should be	Reason for Addition -	Quote as per tender
	Network	in the Gartner's	Gartner Leader OEMs	document
	Switches	Leaders for Wired &	have certified and tested	/clarifications.
	(manageabl	Wireless LAN Access Infrastructure or data	products with stable OS and open integrations. It	
	e) Specification	center networking	is recommended to allow	
	opcomodion	published in 2023 or	only Gartner leaders to	
		later	participate in this project	
37	12 Port	Packet buffer size of	Reason for Addition -	Quote as per tender
	Aggregation	minimum 32 MB	Packet Buffer is memory	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.	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 -	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	(TPM) for platform integrity.	trusted combination of switches.	
48	Specification 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.		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	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.
			3 India Pvt. Ltd.	
1	8. SPECIFICA TIONS - Part – "A (Page 17)	1. UTP CAT 6 cable (Box of 305m)	specification as referred.	Quote as per tender document. The supplied item should be of reputed and standard make having Splineless features or equivalent for quick installation. UL & ROHS Compliant.
2	8. SPECIFICA TIONS - 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

	SPECIFICA TIONS - 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. SPECIFICA TIONS - 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. SPECIFICA TIONS - 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. SPECIFICA TIONS - 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. SPECIFICA TIONS - 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. SPECIFICA TIONS - 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.
- All future correspondence/ clarifications/ addendum/ corrigendum shall be available on the website of the High Court of Madhya Pradesh i.e. <u>www.mphc.gov.in</u> and Government e-procurement portal <u>www.mptenders.gov.in</u>.
- 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.
- 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.
- 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

S. N	o. Name of Location
A	High Court of Madhya Pradesh, Jabalpur & its Benches at Indore and Gwalior
B	
1	All District and Tahsil Courts in the State of Madhya Pradesh
	Alirajpur/alirajpur
2	Alirajpur/ jobat
	Anuppur/ anuppur
4	Anuppur/ rajendragram
5	Anuppur/ kotma
6	Ashoknagar/ ashoknagar
7	Ashoknagar/ mungaoli
8	Ashoknagar/ chanderi
9	Ashoknagar/ esagarh
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16	Barwani/ sendhwa
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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	
30	Burhanpur/ burhanpur
31	Burhanpur/ nepanagar
32	
33	
34	Chhatarpur/ nowgong
35	Chhatarpur/ lavkush
36	Chhatarpur/ rajnagar
37	Chhatarpur/ badamalehra
38	Chhatarpur/ buxwaha
39	Chhindwara/ chhindwara
40	Chhindwara/ harrai
41	Chhindwara/ tamia
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42	Chhindwara/ amarwara Chhindwara/ sausar

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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/ khategaon
60	Dewas/ tonkurd
61	Dhar/ dhar
62	Dhar/ kukshi
63	Dhar/ manawar
 64	
65	Dhar/ sardarpur Dhar/ badnawar
66	Dhar/ dharampuri
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

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. P	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	
Ģ	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	
	130	Neemuch/ manasa	
	132	Neemuch/ rampura	
	132	Panna/ panna	
	133	Panna/ pamia	
	134	Panna/ pawai Panna/ ajaygarh	
	135	Raisen/ raisen	
	137	Raisen/ begumganj	
	138	Raisen/ udaipura	
	139	Raisen/ bareli	

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140	Raisen/ goharganj
141	Raisen/ gairatganj
142	Raisen/ silwani
143	Rajgarh/ rajgarh
144	Rajgarh/ khilchipur
145	Rajgarh/ biaora
145	Rajgarh/ narsinghgarh
140	
	Rajgarh/ zirapur
148	Rajgarh/ sarangpur Ratlam/ ratlam
149	
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
185	Shahdol/ berlan Shahdol/ burhar
	Shahdol/ jaisinghnagar
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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
С	All Family Courts in the State of Madhya Pradesh

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