

**HIGH COURT OF MADHYA PRADESH: JABALPUR**

**// CLARIFICATION //**

No. Reg(IT)(SA)/2020/338

Jabalpur, Dated:28-02-2020

**Subject:-** The matter regarding to publish the clarification / reply of Pre-Bid meeting dated: 14<sup>th</sup> February, 2020 regarding the tender for the installation of Local Area Networking work and other related work at the High Court of Madhya Pradesh and Subordinate Courts (District Court and Tehsil Courts) in the State of Madhya Pradesh with reference to the tender no. Reg(IT)(SA)/2020/201, Dated:05.02.2020.

**Ref:-** Pre-Bid Meeting Dated: 14<sup>th</sup> February, 2020.

**Reply / clarification to the pre-bid queries**

<b>Query No.</b>	<b>Page No. &amp; / Clause No.</b>	<b>Description</b>	<b>Query of the bidder / remarks of the bidder</b>	<b>Reply / clarification to the query remarks by the High Court</b>
1.	Page 25, Specification- "A".	33. 8 port Network Switches (manageable) Specification- "A" "CISCO / Dell / HP / Juniper"	Change Request :33. 8 port Network Switches (manageable) Specification- "A" "CISCO / HP / Juniper"	No Change.
2.	Page 26, Specification- "B".	34. 12 port Aggregation Switch Specification- "B". "CISCO / Dell / HP / Juniper"	Change Request : 12 port Aggregation Switch Specification- "B". "CISCO / HP / Juniper"	No Change.
3.	Page 26, Specification- "B".	34 a 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	Change Request : 34 a "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 2018 or later".	Yes changed to "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

		published in 2017 or later""."		2018 or later".
4.	Page 26, Specification- "B".	34 d "Switch should have Layer 3 features RIP, OSPF, BGP, VRRP, PBR from day one. Switch should have CLI, TELNET, SNMPv3, RMON capability"	Change Request : Switch should have Layer 3 features RIP, OSPF, VRRP, PBR from day1 and upgradable to BGP Switch should have CLI, TELNET, SNMPv3, RMON or equivalent capability	Yes changed.
5.	Page 26, Specification- "C".	35. 24 port Aggregation Switch Specification- "C". "CISCO / Dell / HP / Juniper"	Change Request : "35.24 port Aggregation Switch Specification- "C". CISCO / HP / Juniper"	No change.
6.	Page 26, Specification- "C".	35 a "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 2017 or later".	Change Request : 35 a" Switch OEM should be in the Gartner's Leaders quadrant for Wired and Wireless LAN Access Infrastructure or data center networking published in 2018 or later".	Yes changed to "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 2018 or later".
7.	Page 26, Specification- "C".	35 d "Switch should have Layer 3 features RIP, OSPF, BGP, VRRP, PBR from day one. Switch should have CLI, TELNET, SNMPv3,	Change Request : Switch should have Layer 3 features RIP, OSPF, VRRP, PBR from day1 and upgradable to BGP Switch should have CLI, TELNET, SNMPv3, RMON	Yes accepted.

		RMON capability"	or equivalent capability	
8.	Page 26, Specification-"D".	36.*24 port Ethernet managed enterprise series switch with all accessories and Power over Ethernet (PoE) "CISCO / Dell / HP / Juniper"	Change Request : "35.*24 port Ethernet managed enterprise series switch with all accessories and Power over Ethernet (PoE) "C". "CISCO / HP / Juniper"	No change.
9.	Page 26, Specification-"D".	36 a 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 2017 or later.	Change Request : 36 a"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 2018 or later".	Yes changed to "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 2018 or later".
10.	Page 26, Specification-"D".	36 c SFP modules asked in S/N no. 56 should be from same OEM	Change Request : SFP modules asked in S/N no. 41 & 45 should be from same OEM	Yes changed to SFP modules asked at sr. no. 41, 45, 46 & 47 should be <b>from same OEM.</b>
11.	Page 27, Specification-"D".	36 e "Switch should have internal power supply. Should have internal redundant power supply from day one.""	Change Request : "Switch should have internal power supply. Should support internal redundant power supply"	No change.
12.	Page 27, Specification-"D".	Additional Queries	Change Request : Switch should be tested and certified for EAL/NDPP or above under Common Criteria Certification.	<b>Kindly refer note of the corrigendum.</b>

13.	Page 28, Specification- "E".	37. *24 port Ethernet managed enterprise series switch with all accessories. "CISCO / Dell / HP / Juniper"	Change Request : "*24 port Ethernet managed enterprise series switch with all accessories. "C".CISCO / HP / Juniper"	No change.
14.	Page 28, Specification- "E".	37 a"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 2017 or later"	Change Request : 37 a" 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 2018 or later".	Yes changed to " 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 2018 or later"
15.	Page 28, Specification- "E".	37 c SFP modules asked in S/N no. 56 should be from same OEM	Change Request : SFP modules asked in S/N no. 41 & 45 should be from same OEM	Yes changed to SFP modules asked at sr. no. 41, 45, 46 & 47 <b>should be from same OEM.</b>
16.	Page 28, Specification- "E".	37 e Switch should have internal power supply. Should support external/internal redundant power supply.	Change Request : "Switch should have internal power supply. Should support internal redundant power supply"	Yes Changed.
17.	Page 28, Specification- "E".	37 s Switch should be IPv6 logo ready Certified.	Change Request : Switch should be IPv6 logo ready Certified / IPv6 ready from Day 1.	Yes Changed
18.	Page 28, Specification- "E".	37 t Switch OEM should be in the Gartner's Leaders or Challengers	Change Request : 37 t" Switch OEM should be in the Gartner's	Yes changed to "Switch OEM should be in the Gartner's Leaders or

		or visionary quadrant for Wired and Wireless LAN Access Infrastructure published in 2017 or later.	Leaders quadrant for Wired and Wireless LAN Access Infrastructure or data center networking published in 2018 or later".	Challengers or visionary quadrant for Wired and Wireless LAN Access Infrastructure published in 2018 or later".
19.	Page 30, Specification- "F".	38.*24 port Ethernet managed enterprise series switch with all accessories. "CISCO / Dell / HP / Juniper"	Change Request : *24 port Ethernet managed enterprise series switch with all accessories. "CISCO / HP / Juniper"	No change.
20.	Page 30, Specification- "F".	38 a ""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 2017 or later"	Change Request : 38 a" Switch OEM should be in the Gartner's Leaders quadrant for Wired and Wireless LAN Access Infrastructure or data center networking published in 2018 or later".	Yes changed to "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 2018 or later"
21.	Page 30, Specification- "F".	38 c SFP modules asked in S/N no. 56 should be from same OEM	Change Request : SFP modules asked in S/N no. 41 should be from same OEM	Yes changed to SFP modules asked at sr. no. 41, 45, 46 & 47 should be from same OEM.
22.	Page 30, Specification- "F".	38 e"DRAM : 1GB & Flash : 1GB"	Change Request : Switch should have minimum 2GB RAM and 2GB flash	<b>Kindly refer note of the corrigendum.</b>
23.	Page 30, Specification- "F".	Additional Queries	Additional Point to be added : "Switch should have internal	No change.

			power supply. Should support internal redundant power supply”	
24.	Page 30, Specification-“F”.	Additional Queries	Additional Point to be added : Switch should support (excluding uplinks) for minimum 56 Gbps of stacking bandwidth with dedicated stacking ports and cables with minimum 8 switch in stack .	Not accepted, but the vendor may quote higher specifications.
25.	Page 30, Specification-“F”.	Additional Queries	Additional Point to be added : Switch should be tested and certified for EAL/NDPP or above under Common Criteria Certification.	<b>Kindly refer note of the corrigendum.</b>
26.	Page 31, Specification-“G”.	39. *24 port Ethernet managed enterprise series switch with all accessories. "CISCO / Dell / HP / Juniper"	Change Request : *24 port Ethernet managed enterprise series switch with all accessories ""CISCO / HP / Juniper"	No change.
27.	Page 31, Specification-“G”.	39 a “Switch OEM should be in the Gartner’s Leaders or Challengers or visionary quadrant for Wired and Wireless LAN Access Infrastructure or data center	Change Request : 39 a"Switch OEM should be in the Gartner’s Leaders or Challengers quadrant for Wired and Wireless LAN Access Infrastructure or data center networking published in	Yes changed to “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

		networking published in 2017 or later”	2018 or later”.	published in 2018 or later”.
28.	Page 32, Specification-“G”.	39 c SFP modules asked in S/N no. 56 should be from same OEM	Change Request : SFP modules asked in S/N no. 41 should be from same OEM	Yes changed to SFP modules asked at sr. no. 41, 45, 46 & 47 <b>should be from same OEM.</b>
29.	Page 32, Specification-“G”.	39 e DRAM : 1GB & Flash : 1GB	Change Request : Switch should have minimum 2GB RAM and 2GB flash	<b>Kindly refer note of the corrigendum.</b>
30.	Page 32, Specification-“G”.	Additional Queries	Additional Point to be added : “Switch should have internal power supply. Should support internal redundant power supply”	No change.
31.	Page 33, Note	3. All quoted switches (Except 8port switch) should have minimum 1GB RAM and 1GB flash.	3. All quoted switches (Except 8port switch) should have minimum 2GB RAM and 2GB flash and 12 and 24 ports fiber switches should have minimum 4GB flash and 4GB RAM.	<b>Kindly refer note of the corrigendum.</b>
32.	Page 33, Note	4. Switch should be tested and certified for EAL/NDPP or above under Common Criteria Certification.	Clarification	<b>Kindly refer note of the corrigendum.</b>
33.	-----	-----	There is also a single OEM favorable Specs that is EAL/NDPP.	<b>Kindly refer note of the corrigendum.</b>
34.	Page 17, Specification, Point No. 31	19" Rack, wall Mount 530 mm depth, 9 U	The standard depth for 9U rack is 400, 500 or 600 MM i.e. it	Yes changed to 500 MM or higher.

	a)	Height, (lockable) with all accessories	comes in multiple of 100 thus request you to kindly change the clause to "19" Rack, wall Mount 500 mm depth, 9 U Height, (lockable) with all accessories"	
35.	Page 17, Specification, Point No. 31 b)	19" Rack, wall Mount 530 mm depth, 12 U Height, (lockable) with all accessories	The standard depth for 12U rack is 400, 500 or 600 MM i.e. it comes in multiple of 100 thus request you to kindly change the clause to "19" Rack, wall Mount 500 mm depth, 12 U Height, (lockable) with all accessories"	Yes changed to 500 MM or higher.
36.	Page 17, Specification, Point No. 31 c)	19" Rack, wall Mount 800 mm depth, 24 U Height, (lockable) with all accessories(At least 2 cooling fan,1 cable manager, 15A 6port spike guard)	Racks above 15 U are not wall mounted, they are usually floor mounted thus request you to kindly change the clause to " 19" Rack, floor Mount 800 mm depth, 24 U Height, (lockable) with all accessories(At least 2 cooling fan,1 cable manager, 15A 6port spike guard)"	Floor Mount/ Wall Mount
37.	Page 17, Specification, Point No. 31 d)	19" Rack, wall Mount 1000 mm depth, 32 U Height, (lockable) with all accessories(At least 2 cooling fan,1 cable manager, 15A 6port spike guard)	Racks above 15 U are not wall mounted, they are usually floor mounted thus request you to kindly change the clause to " 19" Rack, floor Mount 1000 mm depth, 24 U Height, (lockable) with all accessories(At least 2 cooling	Yes changed to 19" Rack, wall Mount/floor mount 1000 mm depth, 32 U Height, (lockable) with all accessories(At least 2 cooling fan,1 cable manager, 15A 6port spike guard)



			fan,1 cable manager, 15A 6port spike guard)"	
38.	Page 17, Specification, Point No. 31 e)	19" Rack, wall Mount 1000 mm depth, 42 U Height, (lockable) with all accessories(At least 2 cooling fan,1 cable manager, 15A 6port spike guard)	Racks above 15 U are not wall mounted, they are usually floor mounted thus request you to kindly change the clause to " 19" Rack, floor Mount 1000 mm depth, 24 U Height, (lockable) with all accessories(At least 2 cooling fan,1 cable manager, 15A 6port spike guard)"	Yes changed to 19" Rack, wall Mount/Floor mount 1000 mm depth, 42 U Height, (lockable) with all accessories(At least 2 cooling fan,1 cable manager, 15A 6port spike guard)
39.	Page 18, Specification, Point No. 32	LAN Survey & Document Preparation, for up to 100 network nodes, per node	Please clarify that do we need to enter rates for per node or for 100 nodes	Per node / actual basis.
40.	Page 25, Specification- "B" 12 port Aggregation Switch Specification- "B".	34 b 12 port 10G SFP+ and 2 or 4, 10G uplink ports populated with SM fiber.	Kindly clarify how many ports need to fill for level playing for all OEM's. Please also add 2 x 40Gig ports for uplink in 12 port x 10gig SFP+ switch, similarly asked in 24 port Aggregation Switch Specification- "C". Kindly modify clause as"34 b 12 port 10G SFP+ and 4 x 10G ports populated with SM fiber with 2 QSFP+ ports."	No change.
41.	Page 25, Specification- "B" 12 port Aggregation Switch	34 d Switch should have Layer 3 features RIP, OSPF, BGP, VRRP,	RIP is very old protocol and not used in todays network for Layer 3 connectivity. Static routes,	Yes accepted.

	Specification- "B".	PBR from day one. Switch should have CLI, TELNET, SNMPv3, RMON capability	PBR, OSPF and BGP more widely used for such deployments. Latest generation Networking operating System not include old generation protocols which are not in use. Kindly modify clause as" 34 d Switch should have Layer 3 features RIP or OSPF, BGP, VRRP, PBR from day one. Switch should have CLI, TELNET, SNMPv3, RMON capability"	
42.	Page 26, 24 port Aggregation Switch Specification- "C".	35 d Switch should have Layer 3 features RIP, OSPF, BGP, VRRP, PBR from day one. Switch should have CLI, TELNET, SNMPv3, RMON capability	RIP is very old protocol and not used in today's network for Layer 3 connectivity. Static routes, PBR, OSPF and BGP more widely used for such deployments. Latest generation Networking operating System not include old generation protocols which are not in use. Kindly modify clause as" 34 d Switch should have Layer 3 features RIP or OSPF, BGP, VRRP, PBR from day one. Switch should have CLI, TELNET, SNMPv3, RMON capability"	Yes accepted.
43.	Page 30,	38 b	All new and	No change.

	<p>Specification – “F”</p> <p>24 port Ethernet managed enterprise series switch with all accessories.</p>	<p>“The switch should have minimum 24 x 10/100/1000 Mbps Ethernet Ports and 2 dual-purpose port (10/100/1000 or SFP). Switch should have fans or fan-less design for proper cooling”</p>	<p>Latest generation switches come with SFP+ uplinks which can support both 1gig or 10gig Transceivers as required. Kindly modify clause for SFP+ uplinks so that same switch can be used for next 5 to 6 years with new and more bandwidth if required. Kindly modify clause as " 38 b “The switch should have minimum 24 x 10/100/1000 Mbps Ethernet Ports and 2 dual-purpose port (10/100/1000 or SFP+). Switch should have fans or fan-less design for proper cooling”</p>	
44.	<p>Page 31, Specification – “G”</p> <p>24 port Ethernet managed enterprise series switch with all accessories.</p>	<p>39 b</p> <p>“The switch should have minimum 24 x 10/100/1000 Mbps Ethernet IEEE 802.3af Ports and 2 dual-purpose port (10/100/1000 or SFP). Minimum 370W of PoE Power. Should have fans for proper cooling”</p>	<p>All new and Latest generation switches come with SFP+ uplinks which can support both 1gig or 10gig Transceivers as required. Kindly modify clause for SFP+ uplinks so that same switch can be used for next 5 to 6 years with new and more bandwidth if required. Kindly modify clause as "39 b “The switch should have minimum 24 x 10/100/1000 Mbps Ethernet IEEE 802.3af Ports and 2 dual-purpose port</p>	No change.

			(10/100/1000 or SFP+). Minimum 370W of PoE Power. Should have fans for proper cooling”	
45.	Page 33, Note:-	4. Switch should be tested and certified for EAL/NDPP or above under Common Criteria Certification.	EAL/NDPP is not applicable in all switches due to following reasons:- 1. NDPP certificate needs 12-18 months of testing on OS and switch platform to certified. New OS can provide under evaluation of NDPP certificate. 2. Data center switches and Layer 3 switches are NDPP certified but not standard Layer 2 Switches. Due to NDPP asked in all switches, similar models will quoted/Proposed in each category and no price and feature advantage will get in different category of switches. 3. Payment card industry(PCI) compliant is another security in switching deployment which can be asked with EAL/NDPP. Kindly modify clause as" 4. Switch should be tested and certified for EAL/NDPP/PCI or applied for and under evaluation with Common Criteria Certification."	<b><i>Kindly refer note of the corrigendum.</i></b>

46.	Page 25, Specification- "B" 12 port Aggregation Switch	34 b 12 port 10G SFP+ and 2 or 4, 10G uplink ports populated with SM fiber.	Kindly clarify how many ports need to fill for level playing for all OEM's. Please also add 2 x 40Gig ports for uplink in 12 port x 10gig SFP+ switch, similarly asked in 24 port Aggregation Switch Specification- "C". Kindly modify clause as"34 b 12 port 10G SFP+ and 4 x 10G ports populated with SM fiber with 2 QSFP+ ports."	No change.
47.	Page 25, Specification- "B" 12 port Aggregation Switch	34 d Switch should have Layer 3 features RIP, OSPF, BGP, VRRP, PBR from day one. Switch should have CLI, TELNET, SNMPv3, RMON capability	RIP is very old protocol and not used in today's network for Layer 3 connectivity. Static routes, PBR, OSPF and BGP more widely used for such deployments. Latest generation Networking operating System not include old generation protocols which are not in use. Kindly modify clause as" 34 d Switch should have Layer 3 features RIP or OSPF, BGP, VRRP, PBR from day one. Switch should have CLI, TELNET, SNMPv3, RMON capability"	Yes changed
48.	Page 26, 24 port Aggregation	35 d Switch should have Layer 3	RIP is very old protocol and not used in today's	Yes changed.

	Switch Specification- "C".	features RIP, OSPF, BGP, VRRP, PBR from day one. Switch should have CLI, TELNET, SNMPv3, RMON capability	network for Layer 3 connectivity. Static routes, PBR, OSPF and BGP more widely used for such deployments. Latest generation Networking operating System not includes old generation protocols which are not in use. Kindly modify clause as" 34 d Switch should have Layer 3 features RIP or OSPF, BGP, VRRP, PBR from day one. Switch should have CLI, TELNET, SNMPv3, RMON capability"	
49.	Page 30, Specification – "F" 24 port Ethernet managed enterprise series switch with all accessories.	38 b "The switch should have minimum 24 x 10/100/1000 Mbps Ethernet Ports and 2 dual-purpose port (10/100/1000 or SFP). Switch should have fans or fan-less design for proper cooling"	All new and Latest generation switches come with SFP+ uplinks which can support either 1gig or 10gig Transceivers as required. Kindly modify clause for SFP+ uplinks so that same switch can be used for next 5 to 6 years with new and more bandwidth if required. Kindly modify clause as " 38 b "The switch should have minimum 24 x 10/100/1000 Mbps Ethernet Ports and 2 dual-purpose port (10/100/1000 or SFP+). Switch should have fans	No change.

			or fan-less design for proper cooling”	
50.	Page 31, Specification – “G” 24 port Ethernet managed enterprise series switch with all accessories.	39 b “The switch should have minimum 24 x 10/100/1000 Mbps Ethernet IEEE 802.3af Ports and 2 dual-purpose port (10/100/1000 or SFP). Minimum 370W of PoE Power. Should have fans for proper cooling”	All new and Latest generation switches come with SFP+ uplinks which can support both 1gig or 10gig Transceivers as required. Kindly modify clause for SFP+ uplinks so that same switch can be used for next 5 to 6 years with new and more bandwidth if required. Kindly modify clause as "39 b “The switch should have minimum 24 x 10/100/1000 Mbps Ethernet IEEE802.3af Ports and 2 dual-purpose port (10/100/1000 or SFP+). Minimum 370W of PoE Power. Should have fans for proper cooling”	No change.
51.	Page 33, Note:-	4. Switch should be tested and certified for EAL/NDPP or above under Common Criteria Certification.	EAL/NDPP is not applicable in all switches due to following reasons:- 1. NDPP certificate needs 12-18 months of testing on OS and switch platform to certified. New OS can provide under evaluation of NDPP certificate. 2. Data center switches and Layer 3 switches are NDPP certified but not standard Layer 2 Switches. Due to NDPP asked in	<b><i>Kindly refer note of the corrigendum.</i></b>

			<p>all switches, similar models will quoted/Proposed in each category and no price and feature advantage will get in different category of switches.</p> <p>3. Payment card industry(PCI) compliant is another security in switching deployment which can be asked with EAL/NDPP.</p> <p>Kindly modify clause as" 4. Switch should be tested and certified for EAL/NDPP/PCI or applied for and under evaluation with Common Criteria Certification."</p>	
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**Note:-**

1. The network switches having **specifications-B, C, D and E** should have EAL/ NDPP or above under Common Criteria Certification.
2. The network switches having **specifications- A, F and G** should have EAL/ NDPP or above under Common Criteria Certification / ***"EAL/ NDPP applied for"***.
3. The network switches having **specification- B and C** should have minimum 4 GB RAM and 4 GB flash as per the tender document.
4. The network switches having **specification- D and E** should have minimum 2 GB RAM and 2 GB flash.
5. The network switches having **specification- F and G** should have minimum 1 GB RAM and 1 GB flash.
6. The specifications mentioned in tender document are minimum and the vendor may quote higher specifications items in the tender document.



7. The network switches should have proper fans for cooling or should have fanless design for proper cooling.
8. All the pages of the bids and Annexure's are to be sealed and signed by the authorized officers of the company / vendor.
9. The bidder has to quote only 01 product of single make / brand at a time and not multiple brands for same item.
10. The Original equipment manufacturer (OEM) may authorize more than one partner for participation in the bid.
11. **Back-to-Back support letter is to be submitted by OEM regarding support of the quoted products.**
12. The Registrar General, High Court of Madhya Pradesh has full rights to accept or reject any bid, without assigning any reason.
13. The Registrar General, High Court of Madhya Pradesh have right to alter the scope of work as per the requirement.
14. All Prospective bidders are requested to submit the bid with all relevant documents and product brochures / catalogues in sequenced manner.
15. The above clarifications / addendum are for all the prospective bidders' for tender reference and necessary action.
16. On introduction of new levy / taxes / duties the rate / price of items shall be change in same proportionate.

**Sd/-**  
**PRINCIPAL REGISTRAR (VIG.)**