

Sl.	Clause No. and Page No.	RFP Term	Clarifications and Amendments sought	NABARD Commets
1	Page no 14 - 17. 17. Right to Alter Quantity	The Bank may at its discretion Increase the requirement up to 35% and place orders subsequently within one year of issue of Purchase Order at the same rates irrespective of the foreign exchange fluctuations/ market conditions or at mutual agreed rates if the cost of Equipment comes down at the time of placing repeat Purchase Order or Decrease the requirement up to 35%. The delivery locations shall also be modified / added as per the requirement of the Bank, within one year of issue of Purchase Order.	# in case of reduction in 35% at the first lot will be OK, but the Order up to 01 year with the same price is not acceptable due to so many parameters affecting the prices of the product not only limited to the USD Fluctuation - Price can be valid for only 180 days ( Subject to OEM Confirmation as per RFP Clause)	No Change
2	Page no 16 - // 2.1 Supply	iv ) iv. Delivery, configuration and installation of all the switches should be made within 60 days from the date of Purchase Order	Delivery timeline is 6 to 8 weeks and another 4 to 6 weeks for installation and configuration at 33 Locations	Refer to Corrigendum
3	Page no 16 - // 2.1 Supply	v.) Full payment will be made upon delivery and successful installation of the switches and submission of Machine Installation Report duly signed by your engineer and countersigned by an officer of the respective regional offices.	Request you to release the Hardware Payment against Delivery and rest on completion of installation and GO live	Refer to Corrigendum
4	Page no 16 - // 2.2 Installation and Commissioning	i. Physical installation in the Network Racks at all the specified locations.	# Required Space, electricity and other infrastructure will be provided by NABARD.	The necessary Rack space and power supply shall be provided by NABARD. However, the tools for unmounting existing devices, mounting new devices, connecting cables, configuration, etc. shall be the responsibility of the Vendor
5	Page no 17 - // 2.2	iv. The Switches shall be configured and the necessary cables / patch chords, etc., shall be the responsibility of the Bidder.	Need Clarification on Exact Scope - if New Patch cords required then it will be additional cost, Size of the same will be required,	Normally existing patch chords are to be reused for connecting the switches. The vendor may provide the patch chords where ever necessary.
6	Page no 17 - // 2.2	vii. Any cabling related works during the replacement of existing switches, if necessary, at one or many locations shall be provided by the bidder.	Without Knowing exact Network Cabling requirements, it is difficult to give Quote as it is part of Network Infrastructure - not the Switching Requirements	The clause is limited to physical alternation of cables, if required.
7	Page no 17 - // 2.4	2.4 Scope for procurement of additional switches	Price is Valid only for 180 days from Submission of BID	Refer to Corrigendum
8	Page 20 - Ch.4 - Service Level Agreement	4.3 For any single device failure, the device has to be replaced within 24 hours from the time of intimation of the failure.	Replacement of the Devices are purely on the Terms of the OEM for RMA / DOA and other replacement Policy	No changes
9	Page 22 - Ch .6 other imp T&C	2. Inspection and Test	Need Clarification on the Test Criteria - sampling size and sites requirements - is 3rd party involvement?	NABARD at its discretion may conduct the inspection internally or through a third party auditor
10	Page 22 - Ch .6 other imp T&C	4. Order Cancellation / Termination of Contract: 4. Project adversely affecting the Core Systems or Core Business of the Bank and the normal functioning of the Offices of the Bank.	At this Particular Point, Bidder must be paid for the delivered material and Installation work done. If such things found before delivery Bank has to accept the deliveries and make payment to the Vendor for Hardware & Software	No changes

11	Page 22 - Ch .6 other imp T&C	5. Failing to upgrade any or all of the critical Software within the period(s) specified in the Contract or within any extension thereof granted by the Bank.	Need Clear details on the Critical Software and How it may impact on Switching to the New Hardware of Network Component - Technical clarification required for the Scenario	Refers to any software related to the Hardware delivered and not the existing devices
12	Page 28 - 17. contract Re-negotiation	~ entire Clause~	Not Acceptable, as this is against the prime moto of the Tendering process	No changes
13	5.2, Page 21	Payment Schedule for hardware & software: a) 50 % of the hardware & software cost will be paid on completion of delivery. b) 40 % of the hardware & software cost will be paid after successful deployment of the switches, commissioning of links and submission of Machine Installation Report along and acceptance of the same by NABARD. c) 10% of the hardware & software cost will be paid after 3 months of acceptance of solution.	Please amend as "70% on delivery hardware/software & 30% on installation of hardware/software	No changes
14	5.3.4, Page 21	No payment shall be made to the vendor until Performance Bank Guarantee is submitted and duly verified with the Issuing Bank by NABARD. The Performance Bank Guarantee shall be equivalent to 10% of the Project Cost valid throughout the project period of 5 years plus additional 6 months as Claim Period (total – 5 years 6 months) from the date of acceptance of the Machine Installation Report by signature of NABARD official	Request to remove this clause	No changes
15	2.3.3.1.c, Page 77	Such penalties shall not exceed 20% of the unit cost of the switches for each instance of switch failure;	Request you to amend as "Such penalties shall not exceed 5% of the unit cost of the switches on annual basis;	No changes
16	2.3.3.1.d, Page 77	Failure to comply with the delivery schedule/instructions by the SI shall lead to penalty of 0.5% of the unit cost at each location for each week delayed.	Please amend as "Failure to comply with the delivery schedule/instructions by the SI shall lead to penalty of 0.5% of the unit cost at each location for each week delayed to a maximum of 5% of cost of delay product	No changes
17	2.1.v., Page 16	Full payment will be made upon delivery and successful installation of the switches and submission of Machine Installation Report duly signed by your engineer and countersigned by an officer of the respective regional offices.	We request customer to please provide the central SOPKE if local customer is not available team can take the signoff from the central spoke	No changes
18	2.2 Installation and Commissioning (page 16)	i. Physical installation in the Network Racks at all the specified locations.	We assume that space in rack will be provided by the customer	Yes
19	2.2 Installation and Commissioning (page 16)	ii. Installation, Commissioning & Configuration of the Active and Passive Networking Components.	Request you to provide the details for all passive components which needs to be installation at all these 33 locations	No changes
20	2.2 Installation and Commissioning (page 17)	iii. Unmounting of existing switches and tracing / realignment of cables	Request you to support in unmounting the old devices and keeping the old device with them or provide whom to handover the old devices.	The old devices has to be unmounted by personnel of selected bidder. These old devices shall be handed over to local NABARD personnel
21	2.2 Installation and Commissioning (page 17)	iv. The Switches shall be configured and the necessary cables / patch chords, etc., shall be the responsibility of the Bidder.	Request you to provide the details for all patch chords and network cables which are needed at all these 33 locations	Refer to pt. no. 5 above

22	2.2 Installation and Commissioning (page 17)	v. Migration from old switches to new switches, if required.	Request you to elaborate this clause as the old switches needs to be replaced or bidder need to install new devices.	Old devices has to replaced with new devices
23	4.1 Service Level Agreement, 20	The bidder shall provide On-site Warranty and Support for the Switches supplied at all locations for a) period of 5 years from the date of signing of the Machine Installation Report duly counter-signed by a NABARD Officer, separately for each location/Switch.	We assume that acceptance will be provide site wise and if any switch installation is pending due to customer end issue same will be not consider for LD and payment.	Yes
24	2.3.3.1 Penalties for not maintaining the desired service levels (page 77)	b) the penalty for hardware, software & services would be as follows:	Bidder request NABARD to amend this clause	No Changes
		Category Resolution time Penalty	a) Critical Next Business Day Rs.2,000/- for every day of delay	
		Critical Next Business Day Rs.5,000/- for every day of delay	b) Semi-Critical Next Business Day Rs.500/- for every day of delay	
		Semi-Critical Next Business Day Rs.2,000/- for every day of delay		
25	2.3.3 Performance Measurements, 77	The vendor has to submit a quarterly indecent report along with response /resolution provided, the by email for each of the location throughout the support period.	We assume that bidder need to submit the reports as per the ticket logged with bidder helpdesk, please confirm	Yes
26	General	SLA Exemption	NO SLA penalty will be applicable on bidder in case the location is down due to:	Yes
			1) Power issue at customer end.	
			2) Improper earthing at site.	
			3) Equipment damaged due to water seepage or stolen from the location.	
			4) Access not availed at site for the bidder engineer to check the issue.	
			5) LC not available at site.	
			6) Any condition which is beyond the control of bidder.	
7) we assume that UPS power will be provided by the customer				
27	General	Network equipment safety	All the network equipment's delivered by bidder at customer site for the Services should be kept under safe custody by the customer. In case any device found lost or damaged due to customer attribute than customer must bear the cost for lost/ damaged as well as new device.	Yes
28	General	First level troubleshooting	In case of connectivity down, FLT will be done by the customer spoke available at site. No downtime will be attribute to bidder in case the local person is not available at site or on-site access is not available for the bidder engineer to check after the FLT.	Not accepted
29	General	Port and patch cord	Bidder will provide the Ethernet (RJ-45) handover to customer for LAN connectivity.	Refer to pt no. 5 and 6 above
30	Page 68	Documents to be submitted by Successful Bidder	Request you to please clarify if the document listed in this clause are to be submitted by winning bidder only post award of the contract?	Yes
	Annexure- U	<b>Annexure O to Annexure X</b>		
	Document Check List			

31	Page 48	<b>2. Financials</b>	Since 2019-20 balance sheet is not available with mostly none of the bidders at this point of time, request you to consider balance sheet up till 2018-19	Not accepted	
	Annexure – H				
	Bidder's Minimum Eligibility Criteria Check list	Audited Balance Sheets & P&L Account of last three FY viz. 2017-18, 2018-19 & 2019-20.			
32	Page 48	<b>2. Financials</b>	Request you to consider only net profit for this clause and remove the net worth requirement in order to welcome more eligible bidders. In case the same is not possible, please consider bidders parent company's net worth for this clause	No changes	
	Annexure – H				
	Bidder's Minimum Eligibility Criteria Check list	The Net worth of the Bidder Company should be positive as on 31 March 2020			
33	Page 48	<b>3. Experience</b>	Request you to please clarify if we submit valid Purchase Order copies from the client with commercial values masked, do we further required to produce <b>Annexure - I</b>	Either PO copies or Letter as per Annexure-I	
	Annexure – H				
	Bidder's Minimum Eligibility Criteria Check list	Copies of POs (with commercials masked, if required)  Otherwise, a letter from the client indicating the details of Solution scope of work done and that they were satisfied with the work. (Annexure-I)			
<b>Sr No</b>	<b>Page No &amp; Clause No.</b>	<b>Current RFP Specification</b>	<b>Suggested RFP Specification</b>	<b>Technical Justification</b>	<b>NABARD Comments</b>
1	54 Annexure-L 3.1.13	The Switch must be able to form stacking with switches across rack, across HUB rooms, across Floors	The Switch must be able to form stacking/ <b>or equivalent</b> with switches across rack, across HUB rooms, across Floors	Stacking is a legacy architecture.  MLAG ( Multi-Switch Link Aggregation Group) is the reformed architecture. MLAG is Industry Standard  A multi-switch link aggregation group is a type of link aggregation group with constituent ports that terminate on separate chassis, primarily for the purpose of providing redundancy in the event one of the chassis fails.  Arista Support MLAG which is more versatile and resilient without limitation of single control plane	Refer to Corrigendum
2	54 9	It should support IGMP snooping v1, v2 & v3 and should support MLD snooping, DHCP snooping	It should support IGMP snooping v1, v2 & v3 and should support DHCP snooping	<b>Request Removal of MLD Snooping as it is specific to a few OEM's only</b>	No Change

3	54 12	Switch should support 8 hardware queues per port. It should also support Strict Priority (SP), 802.1p, DSCP /IP precedence marking and congestion avoidance features like Tail drop	Switch should support 8 hardware queues per port. It should also support Strict Priority (SP), 802.1p, DSCP /IP precedence marking and congestion avoidance features like Tail drop <b>or equivalent</b>	<p>Various OEM achieve similar functionalites using different technologies.</p> <p>Request you to kindly amend the specification as</p> <p>Switch should support 8 hardware queues per port. It should also support Strict Priority (SP), 802.1p, DSCP /IP precedence marking and congestion avoidance features like Tail drop <b>or equivalent</b></p>	Refer to Corrigendum
4	54 15	Should support IP Source Guard & DAI and IPv6 Security features like IPv6 RA Guard and IPv6 NDP	Should support IP Source Guard & DAI and IPv6 Security features like IPv6 NDP	<p>RA Guard is a feature that is useful in the scenario when you have more than one IPv6 capable gateway or router in an environment. This may not be directly relevant to NABARD.</p> <p><b>This is specific to a few OEM's . Request Removal of RA Guard</b></p>	No Change
5	55 19	FTP/TFTP for upgrading the operating System	SFTP/FTP for upgrading the operating System	<p>Please remove TFTP as it insecure and add option for SFTP.</p> <p>Both FTP and TFTP are inherently insecure protocols. They do not use encryption and allow both authentication and file data to traverse the network in the clear.</p> <p>The Secure FTP protocol uses the Secure Shell (SSH) protocol to encrypt standard FTP communications and provide confidentiality in transit.</p>	Refer to Corrigendum
6	55 23	IEEE 802.1D Spanning-Tree Protocol, RSTP, MSTP, VSTP	IEEE 802.1D Spanning-Tree Protocol, RSTP, MSTP, VSTP or equivalent	<p><b>Per Vlan Spanning Tree (VSTP) is Specific to a Particular OEM.</b></p> <p>This inhibits vendors like us who follow Open and Industry Standards.</p> <p>Request you to kindly add '<b>OR Equivalent</b>'</p>	No Change

7	55 22	The switch must support voice vlan, macbased vlan, pvlan	The switch must support voice vlan, macbased vlan, pvlan or equivalent	<p>Various OEM achieve similar functionalites using different technologies.</p> <p>Request you to kindly amend the specification as</p> <p><b>'The switch must support voice vlan, macbased vlan, pvlan or equivalent'</b></p>	No Change
8	55 27	The switch must support two rate tricolor marking policers and low latency queue	The switch must support two rate tricolor marking policers and low latency queue <b>or equivalent</b>	<p>Various OEM hardware use different techniques to achieve similar outcomes</p> <p><b>This clause is specific to a particular OEM and hence this has to be amended as below</b></p> <p>The switch must support two rate tricolor marking policers and low latency queue <b>OR Equivalent</b></p>	No Change
9	55 34	The Switch should be able to retain last 49 historic configuration and must provide feature to roll back or compare any historic configuration with current running configuration	<b>This clause needs to be Deleted</b>	<p><b>This clause is specific to a particular OEM and hence this has to be deleted</b></p> <p>Alternatively, the clause can be modified as</p> <p><b>'The Switch should be able to maintain backup configs of the configuration'</b></p>	Refer to Corrigendum
10	55 35	The Switch must support Rescue configuration	<b>This clause needs to be Deleted</b>	<p><b>This clause is specific to a particular OEM and hence this has to be deleted</b></p> <p>Alternatively, the clause can be modified as</p> <p><b>'The Switch must support Rescue or backup configuration'</b></p>	No Change

11	55 36	The Switch must support automation using python, SLAX scripts and Netconf	The Switch must support automation using python <b>OR</b> SLAX scripts <b>OR</b> Netconf	Standard Based Automation Tools are supported by Leading OEM's  Hence kindly make it optional as long as Automation is supported  This clause is specific to a particular OEM and hence <b>needs to be amended</b> as below  The Switch must support automation using python <b>OR</b> SLAX scripts <b>OR</b> Netconf	Refer to Corrigendum
12	55 37	The Switch must support ZTP and wizardbased setup for ease of deployment	The Switch must support ZTP <b>OR</b> wizardbased setup for ease of deployment	Per Vlan Spanning Tree (VSTP) is Specific to a Particular OEM.  This inhibits vendors like us who follow Open and Industry Standards.  Request you to kindly <b>add OR Equivalent</b> and amend the Clause as below  <b>The Switch must support ZTP OR wizardbased setup for ease of deployment</b>	Refer to Corrigendum
13	55 38	The Switch must support rollback of software image to the one that was loaded during the last successful software installation	<b>This clause needs to be Deleted</b>	<b>This clause is specific to a particular OEM and hence this has to be deleted</b>	No Change
<b>Sl. No.</b>	<b>Clause No. and Page no.</b>	<b>RFP term</b>	<b>Clarifications and Amendments sought</b>	<b>Justification</b>	<b>NABARD Comments</b>
1	1. and 54 of 84	Minimum 24/48 x 10/100/1000 Base-T PoE and 4 x 1/10G ports with required optics. The PoE budget should be 740W from Day 1	Request you to change as "Minimum 24/48 x 10/100/1000 Base-T PoE and 4 x 1/10G ports with required optics. The PoE budget should be 370W for 24 ports and 740W for 48 ports from Day 1"	POE is required basis of POE powered devices that are going to connect to individual switches and depending on port counts. Since there are two category of switches i.e. 24 ports and 48 ports,POE budget will change for them in 370W and 740 W	Refer to Corrigendum

2	2 and 54 of 84	1 U Rack mountable and should provide for stacking of minimum 4 switches with 40Gbps of dedicated stacking/ equivalent bandwidth. All the stacking accessories should be included from Day 1	Request you to change this as "1 U Rack mountable and should provide for stacking of minimum 4 switches with 20Gbps of dedicated stacking/ equivalent bandwidth. All the stacking accessories should be included from Day 1"	Considering north-south traffic flow and per port average bandwidth utilization in campus or branch environment, 20Gbps is more than enough for your stacking bandwidth throughput considering 4 members in a stack irrespective of 24 or 48 ports	No Change
3	4 and 54 of 84	The switch should have minimum 2 GB RAM and 2 GB internal flash	Request you to change as "The switch should have minimum 1 GB RAM and 2 GB internal flash"	DRAM or flash for any OEM is proprietary and it depends on an intelligence of the OS being developed. Thus, request you to ammend	Refer to Corrigendum
4	5 and 54 of 84	176 Gbps or higher Backplane capacity and minimum 130 Mpps of forwarding rate	Request you to change as "128 Gbps for 24 ports and 176 Gbps or higher Backplane capacity for 48 ports and minimum 95 Mpps for 24 ports and 112 Mpps for 48 ports of forwarding rate"	Throughput is being considered for non-blocking architecture and with 128 for 24 ports and 176 Gbps for 48 ports, we can achieve it. Similarly, our forwarding rates. Thus, request you to ammend	Refer to Corrigendum
5	11 and 54 of 84	The Switch must be upgradable to support BFD for Static, OSPF, RIP, PIM protocols, if required	Request you to change as " The Switch must be upgradable to support Static, OSPF, RIP, PIM protocols, if required"	Since this being branch network and used for L2 connectivity and even if you want to have L3, we can have it via ammendment shared. However, BFD ask is not required and you can also check with your existing LAN where BFD being used . Thus, request you to have ammendment	Refer to Corrigendum
6	33 and 55 of 84	Switch should have modular OS and should support automatic configuration roll back	Request you to change as "Switch OS should support automatic configuration roll back"	Every OEM has its own way of developing OS and we do support open flow and very much open to also have REST API support. Thus, ammend this clause	No Changes
7	34 and 55 of 84	The Switch should be able to retain last 49 historic configuration and must provide feature to roll back or compare any historic configuration with current running configuration	Request you to remove this clause	For storing or backup of configuration, NMS are there as single source of truth and thus, request you to remove this clause	Refer to Corrigendum



8	35 and 55 of 84	The Switch must support Rescue configuration	Request you to remove this clause	Typically, we have seen OS being Corrupted but Configuration corruption we have not seen and not to our switches for that matter. Thus, request you to remove this clause	No Changes
9	36 and 55 of 84	The Switch must support automation using python, SLAX scripts and Netconf	Request you to ammend as "The Switch must support automation using python, SLAX scripts , Netconf, Openflow, Rest API or equivalent "	Request you to ammend as every OEM have different programming interfaces and we do support open flow as well	Refer to Corrigendum
10	37 and 55 of 84	The Switch must support ZTP and wizard-based setup for ease of deployment	Request you to ammend as"The Switch must support ZTP"	Proposed switches are Enterprise grade switches which do support ZTP as well as Onsite and cloud management. Thus, request you to ammend	Refer to Corrigendum
11	48 of 84	The Bidder / OEM should have supplied and implemented the proposed solution with not less than 100 switches in at least 3 institutions in India of which at least one in BFSI sector in India, during last three years (i.e. Since April 2017)	Are the Purchase Orders necessarily be from the last three years or is it fine to give Purchase Order which meets the criteria as per RFP from the last Financial year for 3 different projects?  Is it permissible for OEM to give the Pos which they have possessed over past three years through different SI / Partner ?	Typically, when it is mentioned that Bidder / OEM should provide PO, it means either of us can provide the same for whichever orders we have bagged respectively for the asked solution.	The POs shall be accepted if the Bidder has partnered with the same OEM in those projects. Otherwise Bidder and OEM has to submit individual POs with atleast one BFSI Customer, from last three financial years.  Also refer to corrigendum
12	21 of 84	a) 50 % of the hardware & software cost will be paid on completion of delivery. b) 40 % of the hardware & software cost will be paid after successful deployment of the switches, commissioning of links and submission of Machine Installation Report along and acceptance of the same by NABARD. c) 10% of the hardware & software cost will be paid after 3 months of acceptance of solution.	a) 90 % of the hardware & software cost will be paid on completion of delivery. b) 10 % of the hardware & software cost will be paid after successful deployment of the switches, commissioning of links and submission of Machine Installation Report along and acceptance of the same by NABARD.		No Changes
<b>Sl. No.</b>	<b>Clause No. and Page no.</b>	<b>RFP term</b>	<b>Clarifications and Amendments sought</b>	<b>Justification</b>	<b>NABARD Comments</b>

1	1. and 54 of 84	Minimum 24/48 x 10/100/1000 Base-T PoE and 4 x 1/10G ports with required optics. The PoE budget should be 740W from Day 1	Request you to change as "Minimum 24/48 x 10/100/1000 Base-T PoE and 4 x 1/10G ports with required optics. The PoE budget should be 370W for 24 ports and 740W for 48 ports from Day 1"	POE is required basis of POE powered devices that are going to connect to individual switches and depending on port counts. Since there are two category of switches i.e. 24 ports and 48 ports,POE budget will change for them in 370W and 740 W	Refer to Corrigendum
2	2 and 54 of 84	1 U Rack mountable and should provide for stacking of minimum 4 switches with 40Gbps of dedicated stacking/ equivalent bandwidth. All the stacking accessories should be included from Day 1	Request you to change this as "1 U Rack mountable and should provide for stacking of minimum 4 switches with 20Gbps of dedicated stacking/ equivalent bandwidth. All the stacking accessories should be included from Day 1"	Considering north-south traffic flow and per port average bandwidth utilization in campus or branch environment, 20Gbps is more than enough for your stacking bandwidth throughput considering 4 members in a stack irrespective of 24 or 48 ports	No change
3	4 and 54 of 84	The switch should have minimum 2 GB RAM and 2 GB internal flash	Request you to change as "The switch should have minimum 1 GB RAM and 2 GB internal flash"	DRAM or flash for any OEM is proprietary and it depends on an intelligence of the OS being developed. Thus, request you to ammend	Refer to Corrigendum
4	5 and 54 of 84	176 Gbps or higher Backplane capacity and minimum 130 Mpps of forwarding rate	Request you to change as "128 Gbps for 24 ports and 176 Gbps or higher Backplane capacity for 48 ports and minimum 95 Mpps for 24 ports and 112 Mpps for 48 ports of forwarding rate"	Throughput is being considered for non-blocking architecture and with 128 for 24 ports and 176 Gbps for 48 ports, we can achieve it. Similarly, our forwarding rates. Thus, request you to ammend	Refer to Corrigendum
5	11 and 54 of 84	The Switch must be upgradable to support BFD for Static, OSPF, RIP, PIM protocols, if required	Request you to change as " The Switch must be upgradable to support Static, OSPF, RIP, PIM protocols, if required"	Since this being branch network and used for L2 connectivity and even if you want to have L3, we can have it via ammendment shared. However, BFD ask is not required and you can also check with your existing LAN where BFD being used . Thus, request you to have ammendment	Refer to Corrigendum

6	33 and 55 of 84	Switch should have modular OS and should support automatic configuration roll back	Request you to change as "Switch OS should support automatic configuration roll back"	Every OEM has its own way of developing OS and we do support open flow and very much open to also have REST API support. Thus, ammend this clause	No Change
7	34 and 55 of 84	The Switch should be able to retain last 49 historic configuration and must provide feature to roll back or compare any historic configuration with current running configuration	Request you to remove this clause	For storing or backup of configuration, NMS are there as single source of truth and thus, request you to remove this clause	Refer to Corrigendum
8	35 and 55 of 84	The Switch must support Rescue configuration	Request you to remove this clause	Typically, we have seen OS being Corrupted but Configuration corruption we have not seen and not to our switches for that matter. Thus, request you to remove this clause	No Changes
9	36 and 55 of 84	The Switch must support automation using python, SLAX scripts and Netconf	Request you to ammend as "The Switch must support automation using python, SLAX scripts , Netconf, Openflow, Rest API or equivalent "	Request you to ammend as every OEM have different programing interfaces and we do support open flow as well	Refer to Corrigendum
10	37 and 55 of 84	The Switch must support ZTP and wizard-based setup for ease of deployment	Request you to ammend as"The Switch must support ZTP"	Proposed switches are Enterprise grade switches which do support ZTP as well as Onsite and cloud management. Thus, request you to ammend	Refer to Corrigendum
<b>Sl.</b>	<b>Clause No. and Page No.</b>	<b>RFP Term</b>	<b>Clarifications and Amendments sought</b>	<b>NABARD Comments</b>	
1	3.1.1 Clause 1 Page 54	Minimum 24/48 x 10/100/1000 Base-T PoE and 4 x 1/10G ports with required optics. The PoE budget should be 740W from Day 1	Generally for 24 Port switch 370W of POE budget and for 48 port 740W of POE budget is recommended. Request to please clarify the same	Refer to Corrigendum	
2	3.1.1 Clause 11 Page 54	The Switch must be upgradable to support BFD for Static, OSPF, RIP, PIM protocols, if required	BFD is used in Data Center and rarely used in Campus. Request to please remove the clause	Refer to Corrigendum	
3	3.1.1 Clause 12 Page 54	Switch should support 8 hardware queues per port. It should also support Strict Priority (SP), 802.1p, DSCP /IP precedence marking and congestion avoidance features like Tail drop	Every OEM has different QoS techniques to offer. Tail Drop is OEM specific. Request to remove the same	No Change	

4	3.1.1 Clause 32 Page 55	Switch should be FCC Part 15, ICES-003, VCCI Class A, EN 55022, EN 55024, EN 300386, CAN/CSA 22.2 No.60950-1, Reduction of Hazardous Substances (ROHS) certified	Different OEMs have different compliance certificates support. Request to remove EN 300386	No Change	
5	3.1.1 Clause 33 Page 55	Switch should have modular OS and should support automatic configuration roll back	Automatic configuration rollback is OEM Specific. Request for removal	No Change	
6	3.1.1 Clause 34 Page 55	The Switch should be able to retain last 49 historic configuration and must provide feature to roll back or compare any historic configuration with current running configuration	This is OEM specific clause. Request for removal	Refer to Corrigendum	
7	3.1.1 Clause 35 Page 55	The Switch must support Rescue configuration	This is OEM specific clause. Request for removal	No Change	
8	3.1.1 Clause 36 Page 55	The Switch must support automation using python, SLAX scripts and Netconf	This is OEM specific clause. Request for removal	Refer to Corrigendum	
9	3.1.1 Clause 37 Page 55	The Switch must support ZTP and wizard-based setup for ease of deployment	This is OEM specific clause. Request for removal	Refer to Corrigendum	
10	3.1.1 Clause 38 Page 55	The Switch must support rollback of software image to the one that was loaded during the last successful software installation.	This is OEM specific clause. Request for removal	No Change	
11	Caluse 3 Page 48	Experience The Bidder / OEM should have supplied and implemented the proposed solution with not less than 100 switches in at least 3 institutions in India of which at least one in BFSI sector in India, during last three years (i.e. Since April 2017)	Can more then 1 Po from same customer be used for 100 switch eligibility	Shall be accepted if the Pos are won through 2 different tenders and not by way of mere extension of an existing PO	
12	Caluse 3 Page 48	Experience The Bidder / OEM should have supplied and implemented the proposed solution with not less than 100 switches in at least 3 institutions in India of which at least one in BFSI sector in India, during last three years (i.e. Since April 2017)	Can 100 router PO be considered in lieu of 100 Switch PO	No	
<b>Sl. No.</b>	<b>Clause No. and Page no.</b>	<b>RFP term</b>	<b>Clarifications and Amendments sought</b>	<b>Justification</b>	<b>NABARD Comments</b>

1	1. and 54 of 84	Minimum 24/48 x 10/100/1000 Base-T PoE and 4 x 1/10G ports with required optics. The PoE budget should be 740W from Day 1	Request you to change as "Minimum 24/48 x 10/100/1000 Base-T PoE and 4 x 1/10G ports with required optics. The PoE budget should be 370W for 24 ports and 740W for 48 ports from Day 1"	POE is required basis of POE powered devices that are going to connect to individual switches and depending on port counts. Since there are two category of switches i.e. 24 ports and 48 ports, POE budget will change for them in 370W and 740 W	Refer to Corrigendum
2	2 and 54 of 84	1 U Rack mountable and should provide for stacking of minimum 4 switches with 40Gbps of dedicated stacking/ equivalent bandwidth. All the stacking accessories should be included from Day 1	Request you to change this as "1 U Rack mountable and should provide for stacking of minimum 4 switches with 20Gbps of dedicated stacking/ equivalent bandwidth. All the stacking accessories should be included from Day 1"	Considering north-south traffic flow and per port average bandwidth utilization in campus or branch environment, 20Gbps is more than enough for your stacking bandwidth throughput considering 4 members in a stack irrespective of 24 or 48 ports	No Changes
3	4 and 54 of 84	The switch should have minimum 2 GB RAM and 2 GB internal flash	Request you to change as "The switch should have minimum 1 GB RAM and 2 GB internal flash"	DRAM or flash for any OEM is proprietary and it depends on an intelligence of the OS being developed. Thus, request you to ammend	Refer to Corrigendum
4	5 and 54 of 84	176 Gbps or higher Backplane capacity and minimum 130 Mpps of forwarding rate	Request you to change as "128 Gbps for 24 ports and 176 Gbps or higher Backplane capacity for 48 ports and minimum 95 Mpps for 24 ports and 112 Mpps for 48 ports of forwarding rate"	Throughput is being considered for non-blocking architecture and with 128 for 24 ports and 176 Gbps for 48 ports, we can achieve it. Similarly, our forwarding rates. Thus, request you to ammend	Refer to Corrigendum
5	11 and 54 of 84	The Switch must be upgradable to support BFD for Static, OSPF, RIP, PIM protocols, if required	Request you to change as " The Switch must be upgradable to support Static, OSPF, RIP, PIM protocols, if required"	Since this being branch network and used for L2 connectivity and even if you want to have L3, we can have it via ammendment shared. However, BFD ask is not required and you can also check with your existing LAN where BFD being used . Thus, request you to have ammendment	Refer to Corrigendum

6	33 and 55 of 84	Switch should have modular OS and should support automatic configuration roll back	Request you to change as "Switch OS should support automatic configuration roll back"	Every OEM has its own way of developing OS and we do support open flow and very much open to also have REST API support. Thus, ammend this clause	No Changes
7	34 and 55 of 84	The Switch should be able to retain last 49 historic configuration and must provide feature to roll back or compare any historic configuration with current running configuration	Request you to remove this clause	For storing or backup of configuration, NMS are there as single source of truth and thus, request you to remove this clause	Refer to Corrigendum
8	35 and 55 of 84	The Switch must support Rescue configuration	Request you to remove this clause	Typically, we have seen OS being Corrupted but Configuration corruption we have not seen and not to our switches for that matter. Thus, request you to remove this clause	No Changes
9	36 and 55 of 84	The Switch must support automation using python, SLAX scripts and Netconf	Request you to ammend as "The Switch must support automation using python, SLAX scripts , Netconf, Openflow, Rest API or equivalent "	Request you to ammend as every OEM have different programing interfaces and we do support open flow as well	Refer to Corrigendum
10	37 and 55 of 84	The Switch must support ZTP and wizard-based setup for ease of deployment	Request you to ammend as"The Switch must support ZTP"	Proposed switches are Enterprise grade switches which do support ZTP as well as Onsite and cloud management. Thus, request you to ammend	Refer to Corrigendum
11	4 of 2.1 pg. no 16	Delivery, Configuration & installation of all the switches should be made within 60 days from the date of purchase order	Request to change to 8 weeks for delivery & 4 weeks for installation	This is contradicting at Pg. no. 21 clause 5.1	Refer to Corrigendum
12	3 on Pg. 38	Experience The Bidder / OEM should have supplied and implemented the proposed solution with not less than 100 switches in at least 3 institutions in India of which at least one in BFSI sector in India, during last three years (i.e. Since April 2017)	In case of OEM bidding directly, request NABARD to allow OEM to submit 3 PO's of its product from its partner not less than 100 switches for 3 end customer in india of which at least one in BFSI sector in India, during last three years (i.e. Since April 2017)	OEM does not get end customer PO as most of its bidding happens through its partners. Request you to help with ammendment.	The POs shall be accepted if the Bidder has partnered with the same OEM in those projects. Otherwise Bidder and OEM has to submit individual Pos, essentially from last three financial years. Also, Refer to Corrigendum.

13	5 of pg. no. 49	The level of partnership of the bidder with the OEM should be either Gold / Tier-I or Silver / Tier-II  Submission of Manufacturer's Authorisation Form as per format provided in Annexure-J	In case if OEM bids directly, is MAF required?		Yes
14	Annexure N, Pg 58		Please provide details of Annexure N table. Please confirm in GST column, should we indicate on GST % or should we enter GST value?  Column Total indicates Unit price + GST value?  Column Grand Total indicates (Unit Price+ GST) x Qty.?		The numbers except no. of units are in terms of Rupees only.
<b>Sl.</b>	<b>Clause No. and Page No.</b>	<b>RFP Term</b>	<b>Clarifications and Amendments sought</b>	<b>NABARD Comments</b>	
1	Cl 3.1.1, No.1 pg 54	Minimum 24/48 x 10/100/1000 Base-T PoE and 4 x 1/10G ports with required optics. The PoE budget should be 740W from Day 1	Please note 740W of POE budget will be supported in 48 port model. 24 port model supports 380W. we suggest change to 740W for 48 port and 370W for 24 port Switch	Refer to Corrigendum	
2	Cl 3.1.1, No.4 pg 54	The switch should have minimum 2 GB RAM and 2 GB internal flash	As the performance of any routing or switching equipment is based on software and hardware architecture and synergy. We recommend to remove this clause or replace with minimum <b>512 MB</b> of RAM Flash memory is used to store image files, logs and other information. In most of the networks logs are pushed to central NMS system for long term storage. Hence 512MB of flash in a device is also sufficient to store multiple copies of image files and logs. We request to reduce this requirement to Minimum of <b>512MB</b> internal flash.	Refer to Corrigendum	
3	Cl 3.1.1, No.5 pg 54	176 Gbps or higher Backplane capacity and minimum 130 Mpps of forwarding rate	Normally 176 Gbps or higher Backplane capacity and minimum 130 Mpps of forwarding rate supported in 48 port model 24 port model supports 128 Gbps or higher Backplane capacity and minimum 95 Mpps of forwarding rate, we suggest change as per 24/48 port switch accordingly	Refer to Corrigendum	

4	Cl 3.1.1, No.11 pg 54	The Switch must be upgradable to support BFD for Static, OSPF, RIP, PIM protocols, if required	We suggest to change BFD Mibs and BFD management, and not for BFD for Static, OSPF, RIP, PIM protocols	Refer to Corrigendum
5	Cl 3.1.1, No.12 pg 54	Switch should support 8 hardware queues per port. It should also support Strict Priority (SP), 802.1p, DSCP /IP precedence marking and congestion avoidance features like Tail drop	We suggest to change support Tail drop or various QOS feature like 802.1p, RFC 2474, RFC 2598,RFC 2597, RFC 2475	No Change
6	Cl 3.1.1, No.15 pg 54	Should support IP Source Guard & DAI and IPv6 Security features like IPv6 RA Guard and IPv6 NDP	We suggest to change IP source guard or Source-IP lockdown & DAI or arp validation	No Change
7	Cl 3.1.1, No.23 pg 55	IEEE 802.1D Spanning-Tree Protocol, RSTP, MSTP, VSTP	We suggest to change 'IEEE 802.1D Spanning-Tree Protocol or RSTP or MSTP or VSTP' VSTP seems to be Juniper proprietary	No Change
8	Cl 3.1.1, No.27 pg 55	The switch must support two rate tricolor marking policers and low latency queue	We suggest Remove this point it seems Juniper proprietary	No Change
9	Cl 3.1.1, No.32 pg 55	Switch should be FCC Part 15, ICES-003, VCCI Class A, EN 55022, EN 55024, EN 300386, CAN/CSA 22.2 No.60950-1, Reduction of Hazardous Substances (ROHS) certified	We suggest to change 'Switch should be FCC Part 15, ICES-003, VCCI Class A, EN 55022 or EN 55024 or EN 300386 or EN 55032:2015 Class A, CAN/CSA 22.2 No.60950-1, Reduction of Hazardous Substances (ROHS) certified'	No Change
10	Cl 3.1.1, No.33 pg 55	Switch should have modular OS and should support automatic configuration roll back	We suggest to change 'Switch should have modular OS and should support automatic configuration roll back or similar functionality using scripting.	No Change
11	Cl 3.1.1, No.34 pg 55	The Switch should be able to retain last 49 historic configuration and must provide feature to roll back or compare any historic configuration with current running configuration	We suggest Remove this clouse	Refer to Corrigendum
12	Cl 3.1.1, No.35 pg 55	The Switch must support Rescue configuration	We suggest to change 'The Switch must support Rescue configuration or store working configuration in flash and revert back to that instantly	No Change
13	Cl 3.1.1, No.36 pg 55	The Switch must support automation using python, SLAX scripts and Netconf	We suggest to change 'The Switch must support automation using python / SLAX / XML / TCL lang / Restconf / Netconf scripts'	Refer to Corrigendum



14	Cl 3.1.1, No.38 pg 55	The Switch must support rollback of software image to the one that was loaded during the last successful software installation.	We suggest to change 'The Switch must support rollback of software image to the one that was loaded during the last successful software installation or support primary and secondary partition for firmware image rollback'.	No Change
15	Cl 3.1.1, No.40 pg 55	The switch should be NDPP/ NDcPP certified at the time of delivery	We suggest to change 'The switch should be NDPP/ NDcPP or OME/LAB certified at the time of delivery	No Change
16	Cl 2.1 - No. iv Pg 16	Delivery, configuration and installation of all the switches should be made within 60 days from the date of Purchase Order.	We suggest to change 'Delivery, configuration and installation of all the switches should be made within 90 days from the date of Purchase Order.	Refer to Corrigendum
17	Cl 2.1 - No. ix Pg 16	These switches should be compatible with the existing Juniper make switches, if the quoted switches are of different make.	It is better to understand what protocol is running. Normally our product can be compatible with all products from other vendors based on standard protocol.	No Change
<b>Sr No</b>	<b>Clause No. and Page No.</b>	<b>RFP Term</b>	<b>Clarifications and Amendments sought</b>	<b>NABARD Comments</b>
1	Page number 54 , Clause Number 3	The Switch must be able to form stacking with switches across rack, across HUB rooms, across Floors	<p><b>Suggested Changes:</b> The Switch must be able to form stacking/<b>or equivalent</b> with switches across rack, across HUB rooms, across Floors</p> <p><b>Technical Justification:</b> Stacking is a legacy architecture.</p> <p>MLAG ( Multi-Switch Link Aggregation Group) is the reformed architecture. MLAG is Industry Standard</p> <p>A multi-switch link aggregation group is a type of link aggregation group with constituent ports that terminate on separate chassis, primarily for the purpose of providing redundancy in the event one of the chassis fails.</p> <p>Arista Support MLAG which is more versatile and resilient without limitation of single control plane</p>	Refer to Corrigendum

2	Page number 54 , Clause Number 9	It should support IGMP snooping v1, v2 & v3 and should support MLD snooping, DHCP snooping	<p><b>Suggested Changes:</b>It should support IGMP snooping v1, v2 &amp; v3 and should support DHCP snooping</p> <p><b>Technical Justification:</b> Request Removal of MLD Snooping as it is specific to a few OEM's only</p>	Refer to Corrigendum
3	Page number 54 , Clause Number 12	Switch should support 8 hardware queues per port. It should also support Strict Priority (SP), 802.1p, DSCP /IP precedence marking and congestion avoidance features like Tail drop	<p><b>Suggested Changes:</b>Switch should support 8 hardware queues per port. It should also support Strict Priority (SP), 802.1p, DSCP /IP precedence marking and congestion avoidance features like Tail drop <b>or equivalent</b></p> <p><b>Technical Justification:</b> Various OEM achieve similar functionalites using different technologies.</p> <p>Request you to kindly amend the specification as</p> <p>Switch should support 8 hardware queues per port. It should also support Strict Priority (SP), 802.1p, DSCP /IP precedence marking and congestion avoidance features like Tail drop or equivalent</p>	No Changes
4	Page number 54 , Clause Number 15	Should support IP Source Guard & DAI and IPv6 Security features like IPv6 RA Guard and IPv6 NDP	<p><b>Suggested Changes:</b>Should support IP Source Guard &amp; DAI and IPv6 Security features like IPv6 NDP</p> <p><b>Technical Justification:</b> RA Guard is a feature that is useful in the scenario when you have more than one IPv6 capable gateway or router in an environment. This may not be directly relevant to NABARD.</p> <p>This is specific to a few OEM's . Request Removal of RA Guard</p>	No Changes

5	Page number 55 , Clause Number 19	FTP/TFTP for upgrading the operating System	<p><b>Suggested Changes:</b>SFTP/FTP for upgrading the operating System</p> <p><b>Technical Justification:</b> Please remove TFTP as it insecure and add option for SFTP.</p> <p>Both FTP and TFTP are inherently insecure protocols. They do not use encryption and allow both authentication and file data to traverse the network in the clear.</p> <p>The Secure FTP protocol uses the Secure Shell (SSH) protocol to encrypt standard FTP communications and provide confidentiality in transit.</p>	Refer to Corrigendum
6	Page number 55 , Clause Number 23	IEEE 802.1D Spanning-Tree Protocol, RSTP, MSTP, VSTP	<p><b>Suggested Changes:</b>IEEE 802.1D Spanning-Tree Protocol, RSTP, MSTP, VSTP or equivalent</p> <p><b>Technical Justification:</b> Per Vlan Spanning Tree (VSTP) is Specific to a Particular OEM.</p> <p>This inhibits vendors like us who follow Open and Industry Standards.</p> <p>Request you to kindly add 'OR Equivalent'</p>	No Changes
7	Page number 55 , Clause Number 22	The switch must support voice vlan, macbased vlan, pvlan	<p><b>Suggested Changes:</b>The switch must support voice vlan, macbased vlan, pvlan or equivalent</p> <p><b>Technical Justification:</b> Various OEM achieve similar functionalites using different technologies.</p> <p>Request you to kindly amend the specification as</p> <p>'The switch must support voice vlan, macbased vlan, pvlan or equivalent'</p>	No Changes

8	Page number 55 , Clause Number 27	The switch must support two rate tricolor marking policers and low latency queue	<p><b>Suggested Changes:</b>The switch must support two rate tricolor marking policers and low latency queue <b>or equivalent</b></p> <p><b>Technical Justification:</b> Various OEM hardware use different techniques to achieve similar outcomes</p> <p><b>This clause is specific to a particular OEM and hence this has to be amended as below</b></p> <p>The switch must support two rate tricolor marking policers and low latency queue <b>OR Equivalent</b></p>	No Changes
9	Page number 55 , Clause Number 34	The Switch should be able to retain last 49 historic configuration and must provide feature to roll back or compare any historic configuration with current running configuration	<p><b>Suggested Changes:</b>This clause needs to be Deleted</p> <p><b>Technical Justification: This clause is specific to a particular OEM and hence this has to be deleted</b></p> <p>Alternatively, the clause can be modified as</p> <p><b>'The Switch should be able to maintain backup configs of the configuration'</b></p>	Refer to Corrigendum
10	Page number 55 , Clause Number 35	The Switch must support Rescue configuration	<p><b>Suggested Changes:</b>This clause needs to be Deleted</p> <p><b>Technical Justification:</b> This clause is specific to a particular OEM and hence this has to be deleted</p> <p>Alternatively, the clause can be modified as</p> <p><b>'The Switch must support Rescue or backup configuration'</b></p>	Refer to Corrigendum

11	Page number 55 , Clause Number 36	The Switch must support automation using python, SLAX scripts and Netconf	<p><b>Suggested Changes:</b>The Switch must support automation using python <b>OR</b> SLAX scripts <b>OR</b> Netconf</p> <p><b>Technical Justification:</b> Standard Based Automation Tools are supported by Leading OEM's</p> <p>Hence kindly make it optional as long as Automation is supported</p> <p>This clause is specific to a particular OEM and hence needs to be amended as below</p> <p>The Switch must support automation using python OR SLAX scripts OR Netconf</p>	Refer to Corrigendum	
12	Page number 55 , Clause Number 37	The Switch must support ZTP and wizardbased setup for ease of deployment	<p><b>Suggested Changes:</b>The Switch must support ZTP <b>OR</b> wizardbased setup for ease of deployment</p> <p><b>Technical Justification:</b> Per Vlan Spanning Tree (VSTP) is Specific to a Particular OEM.</p> <p>This inhibits vendors like us who follow Open and Industry Standards.</p> <p>Request you to kindly add OR Equivalent and amend the Clause as below</p> <p>The Switch must support ZTP OR wizardbased setup for ease of deployment</p>	No Changes	
13	Page number 55 , Clause Number 38	The Switch must support rollback of software image to the one that was loaded during the last successful software installation	<p><b>Suggested Changes:</b>This clause needs to be Deleted</p> <p><b>Technical Justification:</b> This clause is specific to a particular OEM and hence this has to be deleted</p>	No Changes	
S.No	Clause No. and Page No.	RFP Term	Clarifications and Amendments sought	Justification	NABARD Comments

1	Annexure-H, (3), Pg.No 48	<b>Experience</b> The Bidder / OEM should have supplied and implemented the proposed solution with not less than 100 switches in at least 3 institutions in India of which at least one in BFSI sector in India, during last three years (i.e. Since April 2017)	Kindly clarify, can multiple PO's of different PO dates from each of the 3 companies be submitted as a proof of 100 switches supply & implementation since April 2017? If No, kindly modify the clause to "The Bidder / OEM should have supplied and implemented the proposed solution with not less than 100 switches in at least one BFSI sector in India, during last three years (i.e. Since April 2017)"		3 POs have to be submitted with the sizing of each project has to be comparable to NABARD's requirement
2	Annexure-H, (3), Pg.No 48	<b>Experience</b> The Bidder / OEM should have supplied and implemented the proposed solution with not less than 100 switches in at least 3 <b>institutions</b> in India of which at least one in BFSI sector in India, during last three years (i.e. Since April 2017)	Kindly clarify, if the "institutions" referred in this clause can be of any Indian private company also? If No, kindly modify the clause to "The Bidder / OEM should have supplied and implemented the proposed solution with not less than 100 switches in at least one BFSI sector in India, during last three years (i.e. Since April 2017)"		The institution maybe an established Indian Private company. However, one of them has to be from the BFSI Sector.
3	14.2 & Pg.No 08	These provisions shall be applicable to Micro and Small Enterprises (MSEs) registered with District Industries Centers or Khadi and Village Industries Commission or Khadi and Village Industries Board or Coir Board or National Small Industries Corporation or Directorate of Handicrafts and Handloom or any other body specified by Ministry of Micro, Small and Medium Enterprises (MSMEs). Such MSEs would be entitled for exemption from furnishing tender fee and earnest money deposit (EMD).	We are registered under Udyog Aadhar MSME as Small Enterprise type. Kindly clarify will the EMD & tender fee exemption fee is applicable. Attached the certificate proof in the email		MSME are exempted from EMD and Tender Fee
4	1. and 54 of 84	Minimum 24/48 x 10/100/1000 Base-T PoE and 4 x 1/10G ports with required optics. The PoE budget should be 740W from Day 1	Request you to change as "Minimum 24/48 x 10/100/1000 Base-T PoE and 4 x 1/10G ports with required optics. The PoE budget should be 370W for 24 ports and 740W for 48 ports from Day 1"	POE is required basis of POE powered devices that are going to connect to individual switches and depending on port counts. Since there are two category of switches i.e. 24 ports and 48 ports, POE budget will change for them in 370W and 740 W	Refer to Corrigendum

5	2 and 54 of 84	1 U Rack mountable and should provide for stacking of minimum 4 switches with 40Gbps of dedicated stacking/ equivalent bandwidth. All the stacking accessories should be included from Day 1	Request you to change this as "1 U Rack mountable and should provide for stacking of minimum 4 switches with 20Gbps of dedicated stacking/ equivalent bandwidth. All the stacking accessories should be included from Day 1"	Considering north-south traffic flow and per port average bandwidth utilization in campus or branch environment, 20Gbps is more than enough for your stacking bandwidth throughput considering 4 members in a stack irrespective of 24 or 48 ports	No Change
6	4 and 54 of 84	The switch should have minimum 2 GB RAM and 2 GB internal flash	Request you to change as "The switch should have minimum 1 GB RAM and 2 GB internal flash"	DRAM or flash for any OEM is proprietary and it depends on an intelligence of the OS being developed. Thus, request you to ammend	Refer to Corrigendum
7	5 and 54 of 84	176 Gbps or higher Backplane capacity and minimum 130 Mpps of forwarding rate	Request you to change as "128 Gbps for 24 ports and 176 Gbps or higher Backplane capacity for 48 ports and minimum 95 Mpps for 24 ports and 112 Mpps for 48 ports of forwarding rate"	Throughput is being considered for non-blocking architecture and with 128 for 24 ports and 176 Gbps for 48 ports, we can achieve it. Similarly, our forwarding rates. Thus, request you to ammend	Refer to Corrigendum
8	11 and 54 of 84	The Switch must be upgradable to support BFD for Static, OSPF, RIP, PIM protocols, if required	Request you to change as " The Switch must be upgradable to support Static, OSPF, RIP, PIM protocols, if required"	Since this being branch network and used for L2 connectivity and even if you want to have L3, we can have it via ammendment shared. However, BFD ask is not required and you can also check with your existing LAN where BFD being used . Thus, request you to have ammendment	Refer to Corrigendum
9	33 and 55 of 84	Switch should have modular OS and should support automatic configuration roll back	Request you to change as "Switch OS should support automatic configuration roll back"	Every OEM has its own way of developing OS and we do support open flow and very much open to also have REST API support. Thus, ammend this clause	No Change
10	34 and 55 of 84	The Switch should be able to retain last 49 historic configuration and must provide feature to roll back or compare any historic configuration with current running configuration	Request you to remove this clause	For storing or backup of configuration, NMS are there as single source of truth and thus, request you to remove this clause	Refer to Corrigendum

11	35 and 55 of 84	The Switch must support Rescue configuration	Request you to remove this clause	Typically, we have seen OS being Corrupted but Configuration corruption we have not seen and not to our switches for that matter. Thus, request you to remove this clause	No Change
12	36 and 55 of 84	The Switch must support automation using python, SLAX scripts and Netconf	Request you to ammend as "The Switch must support automation using python, SLAX scripts , Netconf, Openflow, Rest API or equivalent "	Request you to ammend as every OEM have different programing interfaces and we do support open flow as well	Refer to Corrigendum
13	37 and 55 of 84	The Switch must support ZTP and wizard-based setup for ease of deployment	Request you to ammend as"The Switch must support ZTP"	Proposed switches are Enterprise grade switches which do support ZTP as well as Onsite and cloud management. Thus, request you to ammend	Refer to Corrigendum
<b>Sl. No.</b>	<b>Clause No. and Page no.</b>	<b>RFP term</b>	<b>Clarifications and Amendments sought</b>	<b>Justification</b>	<b>NABARD Comments</b>
1	1. and 54 of 84	Minimum 24/48 x 10/100/1000 Base-T PoE and 4 x 1/10G ports with required optics. The PoE budget should be 740W from Day 1	Request you to change as "Minimum 24/48 x 10/100/1000 Base-T PoE and 4 x 1/10G ports with required optics. The PoE budget should be 370W for 24 ports and 740W for 48 ports from Day 1"	POE is required basis of POE powered devices that are going to connect to individual switches and depending on port counts. Since there are two category of switches i.e. 24 ports and 48 ports,POE budget will change for them in 370W and 740 W	Refer to Corrigendum
2	2 and 54 of 84	1 U Rack mountable and should provide for stacking of minimum 4 switches with 40Gbps of dedicated stacking/ equivalent bandwidth. All the stacking accessories should be included from Day 1	Request you to change this as "1 U Rack mountable and should provide for stacking of minimum 4 switches with 20Gbps of dedicated stacking/ equivalent bandwidth. All the stacking accessories should be included from Day 1"	Considering north-south traffic flow and per port average bandwidth utilization in campus or branch environment, 20Gbps is more than enough for your stacking bandwidth throughput considering 4 members in a stack irrespective of 24 or 48 ports	No Change
3	4 and 54 of 84	The switch should have minimum 2 GB RAM and 2 GB internal flash	Request you to change as "The switch should have minimum 1 GB RAM and 2 GB internal flash"	DRAM or flash for any OEM is proprietary and it depends on an intelligence of the OS being developed. Thus, request you to amend	Refer to Corrigendum



4	5 and 54 of 84	176 Gbps or higher Backplane capacity and minimum 130 Mpps of forwarding rate	Request you to change as "128 Gbps for 24 ports and 176 Gbps or higher Backplane capacity for 48 ports and minimum 95 Mpps for 24 ports and 112 Mpps for 48 ports of forwarding rate"	Throughput is being considered for non-blocking architecture and with 128 for 24 ports and 176 Gbps for 48 ports, we can achieve it. Similarly, our forwarding rates. Thus, request you to ammend	Refer to Corrigendum
5	11 and 54 of 84	The Switch must be upgradable to support BFD for Static, OSPF, RIP, PIM protocols, if required	Request you to change as " The Switch must be upgradable to support Static, OSPF, RIP, PIM protocols, if required"	Since this being branch network and used for L2 connectivity and even if you want to have L3, we can have it via ammendment shared. However, BFD ask is not required and you can also check with your existing LAN where BFD being used . Thus, request you to have ammendment	Refer to Corrigendum
6	33 and 55 of 84	Switch should have modular OS and should support automatic configuration roll back	Request you to change as "Switch OS should support automatic configuration roll back"	Every OEM has its own way of developing OS and we do support open flow and very much open to also have REST API support. Thus, ammend this clause	Refer to Corrigendum
7	34 and 55 of 84	The Switch should be able to retain last 49 historic configuration and must provide feature to roll back or compare any historic configuration with current running configuration	Request you to remove this clause	For storing or backup of configuration, NMS are there as single source of truth and thus, request you to remove this clause	Refer to Corrigendum
8	35 and 55 of 84	The Switch must support Rescue configuration	Request you to remove this clause	Typically, we have seen OS being Corrupted but Configuration corruption we have not seen and not to our switches for that matter. Thus, request you to remove this clause	No Changes
9	36 and 55 of 84	The Switch must support automation using python, SLAX scripts and Netconf	Request you to ammend as "The Switch must support automation using python, SLAX scripts , Netconf, Openflow, Rest API or equivalent "	Request you to ammend as every OEM have different programing interfaces and we do support open flow as well	Refer to Corrigendum

10	37 and 55 of 84	The Switch must support ZTP and wizard-based setup for ease of deployment	Request you to ammend as"The Switch must support ZTP"	Proposed switches are Enterprise grade switches which do support ZTP as well as Onsite and cloud management. Thus, request you to ammend	Refer to Corrigendum
1	5.2 pg 21	50 % of the hardware & software cost will be paid on completion of delivery	Requesting bank to change the cause to 80% of the hardware & software cost will be paid on completion of delivery		No Change
		40 % of the hardware & software cost will be paid after successful deployment of the switches, commissioning of links and submission of Machine Installation Report along and acceptance of the same by NABARD.	15% of the hardware & software cost will be paid after successful deployment of the switches, commissioning of links and submission of Machine Installation Report along and acceptance of the same by NABARD.		
		10% of the hardware & software cost will be paid after 3 months of acceptance of solution.	5% of the hardware & software cost will be paid after 1 months of acceptance of solution.		
4	5.1 pg 21	Commissioning of the devices 2 weeks after delivery of the hardware	Requesting bank to consider 8 weeks time for north east location and 10 weeks ANDAMAN & NICOBAR location and for rest of the location 4weeks after delivery of the hardware		No Change
5	2.3.3.1 pg 77	<b>Category</b>	<b>Resolution time</b>		No Change
		<b>Critical</b>	Next Business Day		
		<b>Semi-Critical</b>	Next Business Day		
6	GENERAL QUERIES		Request bank for SLA UPTIME and also request bank to give 48hr of SLA in north east		No Changes
7	Technical Queries		Need clarification ob below points Switches technical specification - NO SFP MODULE details (1G MM or SM Optical, 10G SM or MM Optical) , we understand proposed switches will be connected to existing core switches through copper UTP cable only		The Switches should be SFP provisioned. However, the modules are not required.

8	Technical Queries		In case required to be connected through OFC, appropriate optical modules need to be populated on proposed access switches and for Core end, NABARD has to provide the same. Incase bidder has to provide, request provide existing Core Switch details for each locations , quantity and if possible, location wise LAN architecture connectivity details		Fibre is not required in this project
9	Technical Queries		Also understand passive cabling infra will be provided by NABARD only or it is available		Available
10	Technical Queries		Rack space, necessary power supply , cooling etc will be provided by NABARD		Rackspace and Power will be provided by NABARD
11	Technical Queries		Do we require 802.1x , and are we required to integrate with any existing NAC solution ??		802.1x is a mandatory requirement and should be enabled from Day 1 to enable us to integrate with NAC as and when implemented
<b>Sr. No</b>	<b>Clause No and Page No</b>	<b>RFP Terms</b>	<b>Clarifications and Amendments sought</b>	<b>NABARD Comments</b>	
1	Clause - 3.1.1 (1) Page No - 54	Minimum 24/48 x 10/100/1000 Base-T PoE and 4 x 1/10G ports with required optics.	Whether need 1G or 10G Optic Modules	The Switches should be provisioned with SFP. However, the modules are not required.	
2	Clause - 3.1.1 (1) Page No - 54	Minimum 24/48 x 10/100/1000 Base-T PoE and 4 x 1/10G ports with required optics.	Whether all the 4 Optics modules to be populated from Day 1 for all the switches	No	
3	Clause - 3.1.1 (1) Page No - 54	Minimum 24/48 x 10/100/1000 Base-T PoE and 4 x 1/10G ports with required optics.	Whether Optics modules will be Fiber or Ethernet (RJ45). If fiber than please let us know whether its SM (Single Mode) or MM (Multi Mode)	Multimode Ethernet	
4	Clause -3.1.1 (5) Page No - 54	176 Gbps or higher Backplane capacity and minimum 130 Mpps of forwarding rate	176 GBPS rate sought comes with 48 Ports models and not 24 Ports model. Hence let us know whether we submit 2 separate compliance?	Refer to Corrigendum	
5	Clause - 3.1.1 (1) Page No - 54	The PoE budget should be 740W from Day 1	740W PoE budget on 48 port switch and not 24 Ports models. Hence let us know whether we submit 2 separate compliance	Refer to Corrigendum	

6	Clause -Annexue - H (1) Page No - 48	The Bidder should have a pan India presence (locations in Annexure V), along with Branch Office in Mumbai	We have HO in Mumbai and have presence in couple of Metro's and for Rest other Locations, we have tieup with Local Hardware vendors. We provide support from Mumbai for any troubleshooting and Configuration and sent local people, if there is issue with Hardware. Hence request you to amend the clause accordingly	No Change
7	Clause -Annexue - H (3) Page No - 48	The Bidder / OEM should have supplied and implemented the proposed solution with not less than 100 switches in at least 3 institutions in India of which at least one in BFSI sector in India during last three years (i.e. Since April 2017)	Request you to amend the condition to 100 Device instead of 100 Switches. We have implemented more than 100 Devices in one of our project in Hospitality Industry and we also have more than 45 Devices implementation experience for one of the Top BFSI sector organization	No Change
<b>SI</b>	<b>Clause No. and Page No.</b>	<b>RFP Term</b>	<b>Clarifications and Amendments sought</b>	<b>NABARD Comments</b>
1	Chapter 5 – 5.2	<b>5.2 Payment Schedule for hardware &amp; software:</b>	<b>Payment Terms / Payment Schedule</b>	No Change
	Page NO 21	a) 50 % of the hardware & software cost will be paid on completion of delivery.	can we have Payment Terms as 90% against delivery and 10% against installation	
		b) 40 % of the hardware & software cost will be paid after successful deployment of the switches, commissioning of links and submission of Machine Installation Report along and acceptance of the same by NABARD.		
		c) 10% of the hardware & software cost will be paid after 3 months of acceptance of solution.		
<b>SI.</b>	<b>Clause No. and Page No.</b>	<b>RFP Term</b>	<b>Clarifications and Amendments sought</b>	<b>NABARD Comments</b>
1	Annexure-H-Clause-5,Page No. 49	The level of partnership of the bidder with the OEM should be either Gold / Tier-I or Silver / Tier-II	Kindly change to, The bidder should be a register Partner of OEM	No Change