Small Industries Development Bank of India

Purpose	Request for Proposal for procurement and installation of network switches, security equipment for Data Centre and Disaster Recovery Site.
Tender No.	400/2016/1152/BYO/ITV Dated February 24, 2016
Pre-bid Meeting	March 01, 2016

Pre-Bid Clarifications

S.N.	Page No.	Section No.	Section Name	Clause as per RfP	Vendor Query	SIDBI Response
A.	**Pre-Qualification / Minimum Eligibility, Scope of Work**					
1.	23	Section 5(9.a)	Scope of Work	L1 support should be from the bidder and L2 and above support from OEM.	Is L2 support a mandate? Can we consider OEM support from L3 and above?	L2 support can be of bidder or OEM, but the same should be ON-SITE.
2.	23	Section 5(9.b)	Scope of Work	Comprehensive on-site 24X7X365 support by the bidder and OEM during Warranty and AMC.	Is the onsite support required from OEM or only from bidder?	On-site support is from bidder. However, in case issue is not resolved by the bidder the OEM has to depute engineer on-site.
3.	23	Section 5(9.b)	Scope of Work	The bidder by themselves should ensure that all critical/security patches / upgrades / updates etc are applied, as and when released by the OEM.	Updates and upgrades of software/firmware is subject to test for applications of SIBDI to be used. Does SIDBI has test environment for the same?	SIDBI has test environment for applications.
4.	23	Section 5(9.h)	Scope of Work	Onsite engineer The bidder to deploy on-site engineer for a period of two weeks from the date of acceptance for resolving initial day to day problems until the solution is stabilized.	What is the minimum qualification expected by SIDBI for onsite engineer?	The engineer deployed on-site should have experience on proposed network switches, firewalls and IPS. The engineer should be able to troubleshoot and rectify the issues as and when arises.
5.	23	Section 5(14)	Scope of Work	The bidder to note that, the Bank reserves the right to upgrade the equipment during the contract period by enabling license or addition of module/card. The upgradation may be carried out with the shortlisted vendor by calling for proposal or if desired,	What is the mechanism for support, if RFP is released by SIDBI for upgrade and new vendor wins the bid for upgrade?	The support for the upgraded items would be with the supplier of the items.

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				Bank would issue RfP and shortlist vendor for supply of components.		
6.	33	Section 7, 1(3)	Pre-Qualification / Minimum Eligibility Criteria.	The bidder should have minimum average annual turnover of INR 25 Crore out of Indian Operations over the last three (3) Financial years.	We request you to reduce the criteria to INR10 crore, so that we can participate and ensure your esteemed organization that we would do a good job.	**No Change**
7.	34	Section 7, 13	Pre-Qualification / Minimum Eligibility Criteria.	The bidder should have their own support Arrangement at Mumbai and Chennai.	The bidder should have their own or Service Provider support arrangement at Mumbai and Chennai.	**No Change**
8.	34	Section 7, 13	Pre-Qualification / Minimum Eligibility Criteria.	The OEM of proposed network switches for Data Centre and DR Site, should have supplied and installed the same series / category of switches in at least 3 data centers in BFSI sector / PSU/ Government Organizations in India.	The OEM of proposed network switches for Datacenter and dr site, should have supplied and installed the same series/category of switches in at least 3 data centers in BFSI sector / PSU/ Government Organizations in India /corporate customers	**No Change**
B.	**Technical Bid (Core Switches at DC and DR)**					
9.	65	Annexure – III, 1, 1.1(b)6	Technical Bid, Data Centre, Core Switches	Maximum of 2RU size.	Please remove this point.	**Clarification** SIDBI prefers to have a switch form factor of 2 RU or less to reduce rack density. However bidder can supply bigger RU switch to meet the below given port requirements.
10.	65	Annexure – III, 1, 1.1(b)8.	Technical Bid, Data Centre, Core Switches	Must have N:1 fan module redundancy.	Please change it to 1:1 fan module redundancy.	**Clarification** Must have 1:1 fan module redundancy. The power supply should be hot swappable.
11.	65	Annexure – III, 1, 1.1(b)11.	Technical Bid, Data Centre, Core Switches	Latency of 1 to 2 microseconds	Please remove this point.	**Clarification** SIDBI prefers latency of 1 to 2 microseconds; however the bidder can quote switches with latency upto 5 microseconds.
12.	65	Annexure – III, 1, 1.1(C)12	Technical Bid, Data Centre, Core Switches	Must support Standard SFPs including QSFP, SFP+, 1000BASE-T SFP, Gigabit Ethernet SFP.	We also request to mention the IEEE standard Slot for 100G - QSFP28 to be included and vendor to quote for License required to enable and support 10G/40G/100G from day one.	**Clarification** All licenses required to enable 10G/40G/100G to be included from day one.
13.	65	Annexure – III, 1, 1.1(C)13	Technical Bid, Data Centre, Core Switches	The switch should be populated from day one with: 1) 8X40G QSFP Multimode transceiver modules.	Need MMF cable description, 40G will use MTP/MPO type cables. And 10G will require LC - LC cables, are Fiber patch chords require to connect 40G and 10G to	**Clarification** The distance between the core and the TOR switches would be 100M

S.N.	Page No.	Section No.	Section Name	Clause as per RfP	Vendor Query	SIDBI Response
				2)2X10G of 10G Fiber Multimode transceiver modules and 3) 4 X 1G UTP transceiver modules.	be proposed, what is the distance of the fiber patch chords to be quoted.	both at Data Centre and DR Site. Supply of fiber patch chords is not under the scope of this RfP.
14.	66	Annexure – III, 1, 1.1(c)15.	Technical Bid, Data Centre, Core Switches	Must have provision to install 4 x 100G ports to support Inter-Switch backbone links or uplinks by changing or adding an additional module.	Please remove 100G port	**No Change**
15.					What type of 100G transceiver required for the inter-switch link is it optical or DAC cable. And what would be the distance support required.	**Clarification** Type of transceiver to be decided by the bidder to enable Bank to inter-connect core switches and also connect TOR switches to core switches. The distance support required is 100M.
16.	66	Annexure – III, 1, 1.1(d)17.	Technical Bid, Data Centre, Core Switches	Must support Fast Ethernet (IEEE 802.3u, 100BASE-TX)	Please remove the clause.	**Clarification.** The clause is optional.
17.	66	Annexure – III, 1, 1.1(d)28.	Technical Bid, Data Centre, Core Switches	Must support auto-sensing and auto- negotiation (Link Speed/Duplex).	Please remove the clause.	**Clarification.** The clause is optional.
18.	66	Annexure – III, 1, 1.1(d)29	Technical Bid, Data Centre, Core Switches	Routing protocol support when upgraded with Layer3 License	We request to consider to add all the license required to enable the Layer 2 and Layer 3 feature and function for both IPv4 and IPv6 as mentioned in this RFP to be enabled from Day one in interest of customer to get commercial advantage	**Clarification** All Layer 2 and Layer 3 features and functions for both IPv4 and IPv6 should be enabled from day one.
19.	66	Annexure – III, 1, 1.1(d)34	Technical Bid, Data Centre, Core Switches	Must have Routed ports on platform interfaces, switch virtual interface (SVI), PortChannels, subinterfaces, and PortChannel subinterfaces for a total of 4096 entries	Normally IEEE standard say LAG groups and number of Port per LAG group. We request to mention the same accordingly.	**No Change**
20.	67	Annexure – III, 1, 1.1(d)35.	Technical Bid, Data Centre, Core Switches	Support for upto 32000 multicast ipv4 routes and 8000 multicast ipv6 routes.	Please change it to 2000 multicast ipv4 routes and 1000 multicast ipv6 routers	**Change** The clause to be read as: "Support for upto 8000 multicast ipv4 routes and 1000 multicast ipv6 routes.
21.					Request to make it 8K or more to accommodate more reputed vendors to participate for this bid	
22.	67	Annexure – III, 1, 1.1(d)36.	Technical Bid, Data Centre, Core Switches	Support for 1000 VRF entries	Request to make it 100 or more to accommodate more reputed vendors to participate for this bid	**No Change**
23.						
24.	67	Annexure – III, 1, 1.1(d)37.	Technical Bid, Data Centre, Core Switches	Virtual Route Forwarding (VRF): VRF-lite (IP VPN); VRF-aware unicast; and BGP-, OSPF- and VRF-aware multicast	These are WAN feature and not required in Datacenter switching. VPN are build in Datacenter using NVO or managed by the hypervisor technologies in the Software Define Infra datacenters	**No Change**

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25.	67	Annexure – III, 1, 1.1(d)38.	Technical Bid, Data Centre, Core Switches	Must support 64-way equal-cost multipathing (ECMP)	Please change it to support equal-cost multipathing (ECMP)	**Change** The clause to be read as: "Must support equal-cost multipathing (ECMP)".
26.	67	Annexure – III, 1, 1.1(d)39.	Technical Bid, Data Centre, Core Switches	Must support In-Service Software Upgrade (ISSU) for Layer 2	This is Vendor specific way of offering software upgrade management, we request the customer to mention this as equivalent.	**Clarification** **"**Must support In-Service Software Upgrade (ISSU) or equivalent to enable Bank to upgrade the software without interrupting network availability and without reboot".
27.	67	Annexure – III, 1, 1.1(d)44.	Technical Bid, Data Centre, Core Switches	Must have ether channel support allowing upto 32 ports per EtherChannel	Please change it to 16 ports per LACP group	**Change** The clause to be read as: **"**Must have ether channel support allowing upto 16 ports per EtherChannel".
28.					Request to make it 8 or more to accommodate more reputed vendors to participate for this bid	
29.	67	Annexure – III, 1, 1.1(d)47.	Technical Bid, Data Centre, Core Switches	Must provide for at least 32 physical ports grouped together into a single logical link	Please change it to16 physical ports grouped together into a single logical link	**Change** The clause to be read as: **"**Must provide for at least 16 physical ports grouped together into a single logical link".
30.					Request to make it 8 or more to accommodate more reputed vendors to participate for this bid	
31.	67	Annexure – III, 1, 1.1(d)49.	Technical Bid, Data Centre, Core Switches	Switch must support VXLAN (Bridging and Routing) as well as NVGRE overlay encapsulation protocol in hardware to support multiple hypervisor deployment in the Data Center	Please change it to VXLAN/NVGRE overlay Encapsulation.	**Change** The clause to be read as: "Switch must support VXLAN (Bridging and Routing) overlay encapsulation protocol in hardware and NVGRE through hardware / software to support multiple hypervisor deployment in the Data Center".
32.					Request the customer also to include support for Other Datacenter Features like DCB (DCBX, PFC, ETS), RoCE, FCOE, Openflow to make the proposed switch fabric setup more adoptable to tune uniformly for next generation datacenter build and work with heterogenous hypervisor beds and applications.	
33.	67	Annexure – III, 1, 1.1(E)53.	Technical Bid, Data Centre, Core Switches	Must have CoS Trust	Vendor to be allowed to quote equivalent all relevant standards based Qos Features to support and built next generation Datacenter switching fabric of this class.	**Clarification** **"**Must have CoS Trust or equivalent".
34.	67	Annexure – III, 1, 1.1(E)54.	Technical Bid, Data Centre, Core Switches	Must have CoS-based egress queuing		**Clarification** **"**Must have CoS-based egress queuing or equivalent".
35.	67	Annexure – III, 1, 1.1(E)55.	Technical Bid, Data Centre, Core Switches	Must have Egress strict-priority queuing		**Clarification** **"**Must have Must have Egress strict-priority queuing or equivalent".
36.	67	Annexure –	Technical Bid,	Must have Modular QoS classification		**No Change**

S.N.	Page No.	Section No.	Section Name	Clause as per RfP	Vendor Query	SIDBI Response
		III, 1, 1.1(E)55.	Data Centre, Core Switches	compliance		
37.	68	Annexure – III, 1, 1.1(E)57.	Technical Bid, Data Centre, Core Switches	Must have per port virtual output queuing or Egress Queuing		**No Change**
38.	68	Annexure – III, 1, 1.1(E)58.	Technical Bid, Data Centre, Core Switches	Must support Egress port-based scheduling: Weighted Round-Robin (WRR)	Please change it to WRR or Weighted Deficit Round Robin (WDRR)	**Change** The clause to be read as: **"**Must support Egress port-based scheduling: Weighted Round-Robin (WRR) / Weighted Deficit Round-Robin (WDRR)".
39.					Vendor to be allowed to quote equivalent all relevant standard based Qos Features to support and built next generation Datacenter switching fabric of this class.	
40.	68	Annexure – III, 1, 1.1(F)70.	Technical Bid, Data Centre, Core Switches	Must support Microsoft Challenge Handshake Authentication Protocol (MS- CHAP)	Please change it to Challenge Handshake Authentication Protocol (CHAP).	**Clarification** **"**Must support Challenge Handshake Authentication Protocol (CHAP)".
41.					This is a WAN feature and the same should be removed as not applicable on the Datacenter grade switches, there are more secure way of using OOB management port which is already asked in the tender.	
42.	68	Annexure – III, 1, 1.1(F)71.	Technical Bid, Data Centre, Core Switches	Must have Digital certificates for management between switch and RADIUS server	This is vendor specific feature and currently not supported by major OEM, request to kindly remove the same.	**No Change**
43.	68	Annexure – III, 1, 1.1(G)72.	Technical Bid, Data Centre, Core Switches	Must have Switched Port Analyzer (SPAN) or Port mirroring on physical, PortChannel, VLAN.	Request to mention or Equivalent	**No Change.**
44.	68	Annexure – III, 1, 1.1(G)76.	Technical Bid, Data Centre, Core Switches	Must have call home / Smart Call Home or equivalent feature	Please remove this point	**Clarification** **"**Must have call home / Smart Call Home or equivalent feature, if any".
45.	68	Annexure – III, 1, 1.1(G)76.	Technical Bid, Data Centre, Core Switches	Must be EAL2 certified	Please change it to EAL2/NDPP/USGv6.	**Change** The clause to be read as: **"**Must be EAL2 / NDPP /USGv6 certified and IPv6 forum phase 2 certified".
46.					Request to remove this as such certification are specific product based and Specific Software release, this does not guarantee the OEM to continue support and support of Such certification for the future next major/minor release over the time of no of year of Support required by this tender.	
C.	**TOP of Rack Switches (includes DMZ Switches)**					
47.	69	Annexure – III, 1, 1.2(B)6.	Technical Bid, Data Centre, Top of Rack Switches	Maximum of 2RU size.	Different OEM is having Different RU size. Please remove this point	**No Change**
48.	69	Annexure –	Technical Bid,	Must have N:1 fan module redundancy.	Please change it to 1:1 fan module	**Clarification**

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		III, 1, 1.2(B)7.	Data Centre, Top of Rack Switches		redundancy.	Must have 1:1 fan module redundancy.
49.	69	Annexure – III, 1, 1.2(B)10.	Technical Bid, Data Centre, Top of Rack Switches	Port Throughput of 1.44 Tbps scalable to 1.92 Tbps	Request the customer to modify this as Minimum 1 Tbps or more to accommodate Participation of other Major switching vendor in benefit of the customer.	**Change** Port Throughput of minimum 1.44 Tbps .
50.	69	Annexure – III, 1, 1.2(B)11.	Technical Bid, Data Centre, Top of Rack Switches	Latency of 1 to 2 microseconds	Different OEM is having different Chip design. So that latency is varied from OEM to OEM. Please remove this point	**Clarification** SIDBI prefers latency of 1 to 2 microseconds; however the bidder can quote switches with latency upto 5 microseconds.
51.	69	Annexure – III, 1, 1.2(C)12.	Technical Bid, Data Centre, Top of Rack Switches	Must support QSFP+, 1000BASE-T and 10 G - T	Please change the 10G -T to 1/10G fiber port	**Change** To clause to be read as: **"**Must support QSFP+, 1000BASE-T and 10 G – T/ 10G base SFP+".
52.	69	Annexure – III, 1, 1.2(C)13.	Technical Bid, Data Centre, Top of Rack Switches	Must have minimum 48 x 1/10 G - T and 6 X 40 G QSFP+ ports from day1.	Please change the 48 x 1/10 G-T / 10G base SFP+ and 6 X 40 G QSFP+ ports from day1.	**Change** The clause to be read as: "Must have minimum 48 x 1/10 G – T / 10G base SFP+ and 6 X 40 G QSFP+ ports from day1 with all licenses enabled".
53.					Request the customer to mention modify this to "minimum 48 x 1/10 G - T and 4 X 40 G QSFP+ ports from day1" . Also mention Required license to enable all the 10G and 40G ports to be provided from day one.	
54.	69	Annexure – III, 1, 1.2(C)14.	Technical Bid, Data Centre, Top of Rack Switches	Switch must be loaded from day one with minimum 4 nos. QSFP Multimode transceiver modules and 48 x 1/10G-T.	Please change the 48 x 1/10 G fiber and 4 nos. QSFP Multimode transceiver modules	**Change** The clause to be read as: "Switch must be loaded from day one with minimum 4 nos. QSFP Multimode transceiver modules and 48 x 1/10G-T / 48X 1G RJ45 SFP module".
55.					Request customer to mentioned IEEE standard based optic namely 40G-SR4, to enable interoperability with any third party OEM as per the standard.	
56.	69	Annexure – III, 1, 1.2(C)15.	Technical Bid, Data Centre, Top of Rack Switches	Must have provision to install 12 x 40G QSFP ports or 4 x 100G ports to support Inter-Switch backbone links or uplinks by changing or adding an additional module.	Please change to 2X 100G port	**Change** The clause to be read as: "Must have provision to install 12 x 40G QSFP ports or 2 x 100G ports to support Inter-Switch backbone links by changing or adding an
57.					Request the customer to remove this clause, as most OEM as a standard product line has 48 x 1G/10G baseT ports with 4 x QSFP+ uplinks.	

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						additional module".
58.	69	Annexure – III, 1, 1.2(D)17.	Technical Bid, Data Centre, Top of Rack Switches	Must support Fast Ethernet (IEEE 802.3u, 100BASE-TX)	Please remove this point	**Clarifications** The clause is optional.
59.	70	Annexure – III, 1, 1.2(D)28.	Technical Bid, Data Centre, Top of Rack Switches	Must support auto-sensing and auto- negotiation (Link Speed/Duplex)	Please remove this point	**Clarifications** The clause is optional.
60.	70	Annexure – III, 1, 1.2(D)35.	Technical Bid, Data Centre, Top of Rack Switches	Support for up to 32000 multicast ipv4 routes and 8000 multicast ipv6 routers	Please change it to 2000 multicast ipv4 routes and 1000 multicast ipv6 routers	Support for up to 2000 multicast ipv4 routes and 1000 multicast ipv6 routers
61.					Request to make it 1K or more to accommodate more reputed vendors to participate for this bid	
62.	70	Annexure – III, 1, 1.2(D)35.	Technical Bid, Data Centre, Top of Rack Switches	Support for 1000 VRF entries	Request to make it 100 or more to accommodate more reputed vendors to participate for this bid	**No Change**
63.	70	Annexure – III, 1, 1.2(D)37.	Technical Bid, Data Centre, Top of Rack Switches	Virtual Route Forwarding (VRF): VRF-lite (IP VPN); VRF-aware unicast; and BGP-, OSPF- and VRF-aware multicast	These are WAN Feature and not required in Datacenter switching. VPN are build in Datacenter using NVO or managed by the hypervisor technologies in the Software Define Infra datacenters	**No Change**
64.	70	Annexure – III, 1, 1.2(D)38.	Technical Bid, Data Centre, Top of Rack Switches	Must support 64-way equal-cost multipathing (ECMP)	Please change it to support equal-cost multipathing (ECMP)	**Change** The clause to be read as: "Must support 64-way equal-cost multipathing (ECMP)".
65.	70	Annexure – III, 1, 1.2(D)38.	Technical Bid, Data Centre, Top of Rack Switches	Must have ether channel support allowing upto 32 ports per EtherChannel.	Please change it to 8 ports	**Change** The clause to be read as: "Must have ether channel support allowing upto 8 ports per EtherChannel".
66.					Request to make it 8 or more to accommodate more reputed vendors to participate for this bid	
67.	71	Annexure – III, 1, 1.2(D)47.	Technical Bid, Data Centre, Top of Rack Switches	Must provide for at least 32 physical ports grouped together into a single logical link	Please change it to 8physical ports grouped together into a single logical link	**Change** The clause to be read as: "Must provide for at least 8 physical ports grouped together into a single logical link".
68.					Request to make it 8 or more to accommodate more reputed vendors to participate for this bid	
69.	71	Annexure – III, 1, 1.2(D)49.	Technical Bid, Data Centre, Top of Rack Switches	Switch must support VXLAN (Bridging and Routing) as well as NVGRE overlay encapsulation protocol in hardware to support multiple hypervisor deployment in the Data Center	Please change it to VXLAN/NVGRE (Bridging)overlay Encapsulation	**Change** The clause to be read as: "Switch must support VXLAN (Bridging and Routing) overlay encapsulation protocol in hardware and NVGRE through hardware / software to support multiple hypervisor deployment in the Data
70.					Request the customer also to include support for Other Datacenter Features like DCB (DCBX, PFC, ETS), RoCE, FCOE, Openflow to make the proposed switch fabric setup more adoptable to tune uniformly for next generation datacenter	

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					build and work with heterogenous hypervisor beds and applications.	Center".
71.	71	Annexure – III, 1, 1.2(D)53.	Technical Bid, Data Centre, Top of Rack Switches	Must have CoS Trust	Vendor to be allowed to quote equivalent all relevant standard based Qos Features to support and built next generation Datacenter switching fabric of this class.	**Clarification** **"**Must have CoS Trust or equivalent".
72.	71	Annexure – III, 1, 1.2(D)54.	Technical Bid, Data Centre, Top of Rack Switches	Must have CoS-based egress queuing		**Clarification** **"**Must have CoS-based egress queuing or equivalent".
73.	71	Annexure – III, 1, 1.2(D)55.	Technical Bid, Data Centre, Top of Rack Switches	Must have Egress strict-priority queuing		**Clarification** **"**Must have Egress strict-priority queuing or equivalent".
74.	71	Annexure – III, 1, 1.2(D)58.	Technical Bid, Data Centre, Top of Rack Switches	Must support Egress port-based scheduling: Weighted Round-Robin (WRR)	Please change it to WRR or Weighted Deficit Round Robin (WDRR)	**Change** <u>The clause to be read as:</u> **"**Must support Egress port-based scheduling: Weighted Round-Robin (WRR) / Weighted Deficit Round-robin (WDRR)".
75.				Must support Microsoft Challenge Handshake Authentication Protocol (MS- CHAP)	Please change it to Challenge Handshake Authentication Protocol (CHAP)	**Change** <u>The clause to be read as:</u> **"**Must support Challenge Handshake Authentication Protocol (CHAP)".
76.					This is a WAN feature and the same should be removed as not applicable on the Datacenter grade switches, there are more secure way of using OOB management port which is already asked in the tender	
77.	72	Annexure – III, 1, 1.2(F)71.	Technical Bid, Data Centre, Top of Rack Switches	Must have Digital certificates for management between switch and RADIUS server.	Currently not supported by major OEM, request to kindly remove the same.	**No Change**
78.	72	Annexure – III, 1, 1.2(F)72.	Technical Bid, Data Centre, Top of Rack Switches	Must have Switched Port Analyzer (SPAN) or Port mirroring on physical, PortChannel, VLAN	Request to mention or Equivalent	**No Change**
79.	72	Annexure – III, 1, 1.2(G)77.	Technical Bid, Data Centre, Top of Rack Switches	Must have Embedded packet analyzer or equivalent	Request to remove it. Switch support feature to offer inputs to External Packet analyzers. Also it not a good reference architecture to have embedded packet anaylser as this will impact the performance of the switch and the network.	**No Change**
80.	72	Annexure – III, 1, 1.2(F)76.	Technical Bid, Data Centre, Top of Rack Switches	Must have call home / Smart Call Home or equivalent feature	Please remove this point	**Clarification** **"**Must have call home / Smart Call Home or equivalent feature, if any".
81.	72	Annexure –	Technical Bid,	Must be EAL2 certified	Please change it to EAL2/NDPP/USGv6	**Change**

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82.		III, 1, 1.2(F)79.	Data Centre, Top of Rack Switches		Request to remove this as such certification are specific product based and Specific Software release, this does not gurantee the OEM to continue support and support of Such certification for the future next major/minor release over the time of no of year of Support requried by this tender.	The clause to be read as: **"**Must be EAL2/NDPP/USGv6 certified".
D.	**Stackable Switches**					
83.	77	Annexure – III, 1, 1.4(B)5.	Technical Bid, Data Centre, Top of Rack Switches	Switch should have minimum 24 10/100/1000 Base-T ports. with additional 4 Nos. of 1G SFP Based ports for uplink connectivity and 2 stacking ports with all accessories for stacking purpose from day1	Please remove the 2 stacking ports.	**Change**
84.					We Request to modify the uplink ports to 4 x SFP / 2 x SFP+ to avail advantage of higher bandwidth on the uplink with less ports, cable and optics.	The clause to be read as: "Switch should have minimum 24 10/100/1000 Base-T ports. with additional 4 Nos. of 1G SFP Based ports for uplink connectivity and stacking ports or similar with all accessories for stacking purpose from day1"
85.	77	Annexure – III, 1, 1.4(B)6.	Technical Bid, Data Centre, Top of Rack Switches	Switch should be 1 RU rack mountable in nature, stackable with dedicated 80Gbps of throughput with minimum of 4 switches in a stack with single IP management.	Please remove stackable with dedicated 80Gbps of throughput	**Change** The clause to be read as: Switch should be 1 RU rack mountable in nature, stackable with minimum of 4 switches in a stack with single IP management.
86.	77	Annexure – III, 1, 1.4(B)10.	Technical Bid, Data Centre, Top of Rack Switches	Switch should have minimum 120 Gbps switching bandwidth capacity (Gbps) per switch,	Please change it to 56 Gbps switching capacity	**Change** The clause to be read as: **"**Switch should have minimum 56 Gbps switching bandwidth capacity (Gbps) per switch".
87.	77	Annexure – III, 1, 1.4(B)10.	Technical Bid, Data Centre, Top of Rack Switches	Switch should have minimum 70 Mpps throughput per switch	Please change it to 41.7Mpps switching throughput	**Change** The clause to be read as: **"**Switch should have minimum 41.7 Mpps throughput per switch".
88.	78	Annexure – III, 1, 1.4(C)19.	Technical Bid, Data Centre, Top of Rack Switches	Switch should support link aggregation for minimum 6 GE ports and minimum 24 LAG groups.	Please change it to 14 LAG group	**Change** The clause to be read as: "Switch should support link aggregation for minimum 6 GE ports and minimum 14 LAG groups".
89.	78	Annexure – III, 1, 1.4(C)24.	Technical Bid, Data Centre, Top of Rack Switches	The Switch Should support auto detection and plug and play of the device onto the network with	This feature is OEM specific please remove this point	**Clarification** The clause is optional.

S.N.	Page No.	Section No.	Section Name	Clause as per RfP	Vendor Query	SIDBI Response
				configuration as per the template.		
90.	78	Annexure – III, 1, 1.4(C)24.	Technical Bid, Data Centre, Top of Rack Switches	The switch should support feature which shuts down Spanning Tree PortFast-enabled interfaces when BPDUs are received to avoid accidental topology loop	This feature is OEM specific please remove this point	**Change** The clause to be read as: "The switch should support feature which shuts down Spanning Tree Port -enabled interfaces when BPDUs are received to avoid accidental topology loop".
91.	79	Annexure – III, 1, 1.4(D)34.	Technical Bid, Data Centre, Top of Rack Switches	Switch should provide 802.1x support for VLAN assignment, Guest VLAN, MAC-Auth- Bypass and ACL support	MAC-Auth- Bypass proprietary extensions of 802.1x Protocol. Please remove MAC-Auth- Bypass	**Change** The clause to be read as: **"**Switch should provide 802.1x support for VLAN assignment and ACL support".
92.	114	Annexure – III, 1, 1.4(F)49.	Technical Bid, Data Centre, Top of Rack Switches	The Switch Should support single point of management enabling (zero-touch deployment) plug-and-play configuration, archiving of configurations and image- management for switches.	This feature is OEM specific number. Please remove this point	**Clarification** The clause is optional.
E.	**Firewall (for Data Center)**					
93.	93	Annexure – III, 1, 1.6(B)20.	Technical Bid, Data Centre, Firewall	The Firewall & Integrated IPSEC VPN Applications should be ICSA Labs certified for ICSA 4.0, FIPS 140-2 certified.	We don't have this ICSA certificate for VPN. Request you to please remove this from requirement.	**No Change**
94.	93	Annexure – III, 1, 1.6(C)36.	Technical Bid, Data Centre, Firewall	Firewall should support atleast 1024 vlans.	We support maximum 512 VLans.	**No Change**
95.	93	Annexure – III, 1, 1.6(C)37.	Technical Bid, Data Centre, Firewall	Firewall should support Jumbo Frames upto 9216 bytes.	We support upto 9000, request you to please change in this number.	**No Change**
96.	97	Annexure – III, 1, 1.6(D)73.	Technical Bid, Data Centre, Firewall	Should support full-featured stateful inspection firewall with enhanced application inspection capabilities. Basic application inspection support for all major protocols. Enhanced inspection for HTTP, FTP, Instant Messenger, File Sharing, SIP, H.323, SCCP, SMTP, ESMPT, DNS, RPC, CIFS, MSRPC, and NETBIOS. With the enhanced application inspection features, it should be possible to exercise a great deal of control over the behavior of network	Not all protocol are being supported	**No Change**

S.N.	Page No.	Section No.	Section Name	Clause as per RfP	Vendor Query	SIDBI Response
				communications using those protocols. For example, with SIP inspection, you can utilize regular expressions (REGEX) to deny SIP-based VOIP communications with certain addresses or countries		
97.	97	Annexure – III, 1, 1.6(D)78.	Technical Bid, Data Centre, Firewall	It shall support SNMP (Simple Network Management Protocol) v 2.0 and v 3.0.	Request you to please remove v 3.0. Firewall does not support SNMP v3.0	**No Change**
98.	97	Annexure – III, 1, 1.6(E)80.	Technical Bid, Data Centre, Firewall	Full H.323 v1-5 (Firewall Traversal), SIP (Session Initiation Protocol), gatekeeper support, outbound bandwidth management, full interoperability with common and popular VoIP/VC gateway and communications devices shall be supported, apart from supporting all protocols	We support H.323 and SIP are being supported	**No Change**
99.	98	Annexure – III, 1, 1.6(H)105.	Technical Bid, Data Centre, Firewall	Firewall Gui should support inbuilt function to simulate network traffic to check firewall rules & for troubleshooting network access issues.	Not available, need to be removed.	**No Change**
100.	99	Annexure – III, 1, 1.6(H)107.	Technical Bid, Data Centre, Firewall	Firewall should support the functionality of Auto-Update to check for latest software versions & download the same & replicate the image to the standby unit.	Not available, need to be removed.	**No Change**

Note:

a) All other terms and Conditions remain unchanged.

b) Last date for bid submission of bids extended till **March 21, 2016, 1200 hours**.

c) Pre-qualification / Minimum eligibility and Technical bid would be opened on **March 21, 2016, 1230 hours**.

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