



Clarifications to the pre-bid queries RFP BCC:IT:RRB-DC:INFRA:111:3

ADDENDUM - I

Sr. No.	Page #	Point / Section #	Clause as stated in the tender document	Comments/Clarifications/Amendments
1	74	2	The switch must be configured with 48-ports scalable up to 96-ports through addition of 12-port incremental port activation license in a 3RU form factor.	The switch must be configured with 48-ports scalable up to 96-ports through addition of 24-port incremental port activation license in any RU form factor. Licenses will be purchased only for the active ports.
2	74	9	The switch must support hardware ACL-based Port Security, Virtual SANs (VSANS), Port Zoning and LUN Zoning	The switch must support hardware ACL-based Port Security, Virtual SANs (VSANS), Port Zoning and LUN Zoning or similar technology for LUN isolation.
3	75	13	Public loop	This Specification is removed.
4	75	13	FC-PH, Revision 4.3	These are worldwide accepted Standards supported by majority of leading OEM's. It is the minimum specification requirement, Bidder may propose the device with latest supporting version of the cited specification.
5	75	13	FC-PH-2, Revision 7.4	These are worldwide accepted Standards supported by majority of leading OEM's. It is the minimum specification requirement, Bidder may propose the device with latest supporting version of the cited specification.
6	75	13	FC-PH-3, Revision 9.4	These are worldwide accepted Standards supported by majority of leading OEM's. It is the minimum specification requirement, Bidder may propose the device with latest supporting version of the cited specification.
7	75	13	FC-GS-2, Revision 5.3	These are worldwide accepted Standards supported by majority of leading OEM's. It is the minimum specification requirement, Bidder may propose the device with latest supporting version of the cited specification.
8	75	13	FC-GS-3, Revision 7.01	These are worldwide accepted Standards supported by majority of leading OEM's. It is the minimum specification requirement, Bidder may propose the device with latest supporting version of the cited specification.
9	75	13	FC-FLA, Revision 2.7	These are worldwide accepted Standards supported by majority of leading OEM's. It is the minimum specification requirement, Bidder may propose the device with latest supporting version of the cited specification.
10	75	13	FC-FG, Revision 3.5	These are worldwide accepted Standards supported by majority of leading OEM's. It is the minimum specification requirement, Bidder may propose the device with latest supporting version of the cited specification.
11	75	13	FC-SW-2, Revision 5.3	These are worldwide accepted Standards supported by majority of leading OEM's. It is the minimum specification requirement, Bidder may propose the device with latest supporting version of the cited specification.
12	75	13	FC-AL, Revision 4.5	These are worldwide accepted Standards supported by majority of leading OEM's. It is the minimum specification requirement, Bidder may propose the device with latest supporting version of the cited specification.
13	75	13	FC-AL-2, Revision 7.0	These are worldwide accepted Standards supported by majority of leading OEM's. It is the minimum specification requirement, Bidder may propose the device with latest supporting version of the cited specification.



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14	75	13	FC-PLDA, Revision 2.1	These are worldwide accepted Standards supported by majority of leading OEM's. It is the minimum specification requirement, Bidder may propose the device with latest supporting version of the cited specification.
15	75	13	FC-VI, Revision 1.61	These are worldwide accepted Standards supported by majority of leading OEM's. It is the minimum specification requirement, Bidder may propose the device with latest supporting version of the cited specification.
16	75	13	FCP, Revision 12	These are worldwide accepted Standards supported by majority of leading OEM's. It is the minimum specification requirement, Bidder may propose the device with latest supporting version of the cited specification.
17	75	13	FCP-2, Revision 7	These are worldwide accepted Standards supported by majority of leading OEM's. It is the minimum specification requirement, Bidder may propose the device with latest supporting version of the cited specification.
18	75	13	FC-SB-2, Revision 2.1	These are worldwide accepted Standards supported by majority of leading OEM's. It is the minimum specification requirement, Bidder may propose the device with latest supporting version of the cited specification.
19	75	13	FC-BB, Revision 4.7	These are worldwide accepted Standards supported by majority of leading OEM's. It is the minimum specification requirement, Bidder may propose the device with latest supporting version of the cited specification.
20	75	13	FC-FS, Revision 1.9	These are worldwide accepted Standards supported by majority of leading OEM's. It is the minimum specification requirement, Bidder may propose the device with latest supporting version of the cited specification.
21	75	13	FC-PI, Revision 13	These are worldwide accepted Standards supported by majority of leading OEM's. It is the minimum specification requirement, Bidder may propose the device with latest supporting version of the cited specification.
22	75	13	FC-MI, Revision 1.99	These are worldwide accepted Standards supported by majority of leading OEM's. It is the minimum specification requirement, Bidder may propose the device with latest supporting version of the cited specification.
23	75	13	FC-Tape, Revision 1.17	These are worldwide accepted Standards supported by majority of leading OEM's. It is the minimum specification requirement, Bidder may propose the device with latest supporting version of the cited specification.
24	75	13	IP over Fibre Channel (RFC 2625)	No Change
25	75	13	Monitoring (RMON) MIBs	No Change
26	75	13	Fibre Channel standard port types: E, F, FL	This Specification is removed.
27	75	13	Fibre Channel enhanced port types: SD, TE	Fibre Channel enhanced port types: Span port, Trunking expansion or similar port.
28	76	15	The switch must support port mirroring for both Fiber Channel and Gigabit Ethernet (802.3z), such that traffic going to a specific port can be mirrored and forwarded to another port for analyzing	The switch must support port mirroring for both Fiber Channel such that traffic going to a specific port can be mirrored and forwarded to another port for analyzing. 'Gigabit Ethernet' is removed from the clause.



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29	76	19	The switch must be able to support port aggregation of up to 16 physical Fiber Channel ports into a single aggregated link. The aggregated ports must NOT be consecutive ports on a line card.	The switch must be able to support port aggregation of up to 8 physical Fiber Channel ports into a single aggregated link. The aggregated ports must NOT be consecutive ports on a line card (applicable in case of Chassis).
30	76	20	The switch must support the aggregation of any ports from any module.	The switch must support the aggregation of any ports from any module (applicable in case of Chassis)
31	76	21	The switch must be capable of discovering neighboring switches and identify the neighboring Fiber Channel or Ethernet switches.	The switch must be capable of discovering neighboring switches and identify the neighboring Fiber Channel switches. 'Ethernet switches' is removed from the clause.
32	77	26	The switch must support TACACS+ or RADIUS authentication when managing from GUI, console or telnet to prevent unauthorized access	The switch must support TACACS+, RADIUS or similar authentication when managing from GUI, console or telnet to prevent unauthorized access
33	77	32	Ø Fabric Analyzer	Bidder should Support Network Analyzer and Monitoring tool or similar analysis tool in place. Clause holds good.
34	77	34	The switch must support the use of an external port analyzer, which is able to convert Fiber Channel frames to Ethernet frames so as to use a conventional Ethernet based packet analyzer to capture the traffic and analyze it as Fiber Channel	This Specification is removed.
35	78	39	The switch should be compatible with the existing product - Cisco MDS 9222i Multiservice Modular Switch for interoperability and integration.	Please refer section 3.3 of RFP Interoperability is sought for integration with the existing setup. Fine details will be shared with successful bidder.
36	20	3.6	Training : Two days (working days) extensive instructor lead training is required to be given to Bank and its designated staff /vendors who are maintaining the DC/DR NDR systems. The training should include the configuration, migration procedure, commands, architecture, enabling the various components / licenses, DOs and Don'ts, Proactive maintenance, Challenges faced in other organizations and its remedial measures. All the documents, slides, data sheet, architecture level diagrams and other study material to be provided to Bank in soft and hard copy. The venue of the training will be Mumbai or Hyderabad or both and will be accordingly communicated to the selected bidder. The training should be conducted within two weeks from the date of installation and prior to acceptance.	Training will be conducted at Hyderabad location, details will be shared with successful bidder.



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37	25	4.B.1	Must have registered a turnover of Rs. 150 Crores or above (from Indian Operations only) in each year during the last three completed financial years – 2015-16, 2016-17 and 2017-18 (Not inclusive of the turnover of associate companies). In case the company is an MNC and does not maintain separate Balance Sheet for Indian operation, an undertaking regarding the same needs to be furnished.	No Change
38	14	2.8	Application Money Application Money of Rs. 25,000/- (Twenty Five Thousand Only) as mentioned in "[A] Important Dates – Application Money" by way of Bankers Cheque / Demand Draft / Pay Order favouring Bank of Baroda, payable at Mumbai, which is non refundable, must be submitted separately along with RFP response. The Bank may, at its discretion, reject any vendor where application money has not been furnished with RFP response.	Relaxation will be provided on receipt of valid documentation/MSME certification authorized by the competent authority wherein the RFP application money, EMD and other charges are waived off for the entity under MSME registration, as stated by the governing body. Bank will positively consider the request on receipt of 1)MSME registration document from Government. 2) Relaxation provided under the MSME category.
39	14	2.9	Earnest Money Deposit The vendors will have to submit the Earnest Money Deposit (EMD – Bid Security) while submitting the technical bid at the rate stipulated by the bank.	Relaxation will be provided on receipt of valid documentation/MSME certification authorized by the competent authority wherein the RFP application money, EMD and other charges are waived off for the entity under MSME registration, as stated by the governing body. Bank will positively consider the request on receipt of 1)MSME registration document from Government. 2) Relaxation provided under the MSME category.
40	26	4 (B2-1)	The Bidder must have registered a turnover of Rs. 250 Crores or above (from Indian Operations only) in each year during the last three completed financial years – 2015-16, 2016-17 and 2017-18 (Not inclusive of the turnover of associate companies)	The Bidder must have registered a turnover of Rs. 100 Crores or above (from Indian Operations only) in each year during the last three completed financial years – 2015-16, 2016-17 and 2017-18 (Not inclusive of the turnover of associate companies)
41	16	2.14 Contract period	The contract with the selected vendor will be valid for a period of 7 years (Three year warranty + four year AMC), beginning from the contract start date	No Change
42	2	Pre-bid Meeting	12-Mar-19	Location address of Hyderabad has been communicated over e-mail to all the bidders from whom the pre-bid queries were received until the pre-bid meeting date.



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43	27	Experience and Support Infrastructure	The Proposed SAN switch should be supplied & supported in at least one commercial Bank /Financial Institutions / Govt Organization in India	No Change
44	28	Others	Any technical problem should be resolved within maximum of 4 hours of call reported for any equipment under High availability, which includes time for procuring spare parts or replacement device	No Change
45	46	7.2 Terms of Payment	The Purchase Orders and the subsequent Payments will be released by the 3 RRBs of BOB.	No Change
46		Additional Query	Delivery Timelines	Within 4 weeks from the date of placing Purchase Order with the successful bidder.
47		Additional Query	Installation Timeline	Within 2 weeks from the date of receiving hardware delivery at the site.
48	46	7.2 Terms of Payment	40% of the cost of Hardware on delivery and verification of SAN switch devices plus 100% of GST as per actual on production of original receipt. 50% of the cost of hardware on successful installation/configuration and integration of devices with existing setup and satisfactory functioning of the devices. Balance amount of 10% will be released after one month on completion of three year Warranty Period or against a Performance Bank Guarantee from scheduled commercial Bank	No Change
49	47	AMC of Hardware	AMC of Hardware - with back to back OEM support and bidder Support charges shall be Payable Half yearly in arrears by RRBs against receipt of satisfactory support report along with relevant supporting documents of previous quarters	No Change
50	48	Liquidity Damages, Service Level and Uptime Guarantee Default in Delivery	If the vendor fails to deliver the items within stipulated period, Bank will impose a LD of 1% of the cost of equipment with 3 years warranty for each weeks delay or part thereof, subject to maximum of 10% of cost of the equipment.	No Change
51	74	Annexure 5 – Technical Specifications/Requirements-Bidders Compliance	The switch must be able to immediately recover in the event of a failed forwarding path going via an alternative path.	Here it refers to the SAN switches configured in failover and HA mode.
52		Additional Query	Bidder needs to submit 10% PBG as security deposit and also 10% PBG for release of retention money.	No Change