

Response to the queries by participants of the pre-bid conference

RFP Page No.	RFP Section No	Current RFP Text/Description	Clarification sought/Suggestions	Explanation for requesting change	Response / Remark
7	E	Tender Submission 25-03-2010 by 15:00 Hrs. IST	Please Extend the Due Date by 15 Days	Too Little timeto work on such a complex Bid, considering March Closing	The date for submission has been extended to 1st April , 2010
11	2.3	Setting Up of Data Center:-The FDDI will provide one no. of 3 phase power inlet for data center power distribution.	How much 3-phase power (in KVA) will be available for Data center's consumption.	Therefore, as a recommendation we suggest to also give the power in Kva.	200 KVA
12		As per the Diagram (Server Room Schematic), Link Load Balancer is shown. But not mentioned anywhere in the RFP.	Is the bidder supposed to provide Link Load Balancer also? Please clarify (If Yes, mention the bandwidth from each ISP).		RFP Statement stands
16	2.7	<b>Data Conversion Scope:-</b> The bidder is expected to do the migration of existing application to new platform including Exchange,Mail,Antivirus and DNS/DHCP/Active Directory Services	Can we get detailed scope of 'Data Conversion' including all the specific activities expected to be covered in migration of all the applications?	This will give us the better visibility to understand the exact SOW.	RFP Statement stands
17	2.12	<b>Warranty and Maintenance of the system:-</b> The bidder will provide comprehensive warranty for all IT equipment under scope of work for a period of three years from commissioningof the respect hardware i.e.(after acceptance of implementation).During warranty period, bidder should offer service that includes, hardware ,software,updates,upgrades,,patches,,subscription and any other support/service extended by OEM/OEM certified service providers of the highest level standards.The bidder should ensure that experienced,certified and qualified service engineers are present on site at FDDI on 9X6 basis all throughout the warranty period.	Since after the completion of Post Go-live support, the support window is 9 x6 with 2 hrs response time and 8 hours resolution time so incase the problem is reported at 8th hour of support window at a particular day then the respective response time and resolution time will be applicable from NBD. Is this understanding correct?	This will give us the better visibility to understand the exact SOW.	The RFP stands amended and reads as follows " NBD is accepted for all calls with exceptions of Severity1 calls"
19	3	core switch quantity one	High avilibility of Core Switches	For the high avilibility of the applications & resources which FDDI host for all the nation wide FDDI users & campuses at the DC we would request you to ask two core switches in the HA mode	RFP Statement stands

Response to the queries by participants of the pre-bid conference

21	Core switch	<b>Add clause</b>	Switch should work in active active mode with another core switch.	As network upgrade in future, you would be requiring one more chassis and that chassis should work as Active -Active in clustering for higher performance and redundancy.	The RFP stands amended and reads as follows " Should support active-active mode "
19	3	Bill of Quantity:- WLAN Controller	There are 110 APs reqd, but only 1 WLAN Controller which is a Single Point of failure.	Therefore, as a recommendation we suggest to amend the quantity to 2 instead of 1.	RFP Statement stands
19		Network management software	please define how many devices are there		RFP Statement stands (Details are mentioned in BOQ)
19	4	Antivirus Server	Specs are not mentioned in the RFP	please specify the hardware for antivirus server required or not	The server hardware is available with FDDI and will be made available to the selected vendor
19	3	Access Point	No. of indoor & outdoor Aps	we request you to please specify the quantity of indore n outdoor access point	Guided tour already done, hence already addressed
20	3	Data Center Bill of Quantity	Quantities of civil & electrical items cannot be determined with out having the exact dimensions of the datacenter.		Guided tour already done, hence already addressed
21	Core switch	Scalling up to non blocking 320 Gigabits per second (Gpbs system)  bandwidth and 250 Million packets per second (Mpps) forwarding performance	Scalling up to non blocking 720 Gigabits per second (Gpbs system)  bandwidth and 350 Million packets per second (Mpps) forwarding performance	The current specification of 320 Gbps Backplane provides only 16 ports of 10 Gig in non blocking mode, resulting very less scalability in a core switch and 10G would be available at the cost of 1G in 2-3 yrs of span. If we populate 5 slots with 48 ports of 1G module, we require 480Gbps for non blocking wire speed performance.	The RFP stands amended and reads as follows "Should support atleast 420 Gbps non blocking "
21	4.1	minimum 3 slots free	if you want 48 ports with 10/100/1000 on wire speed with non blocking performance,we request you to please make the changes from 3 free slot to 2 free slots only in which we can propose 2*24 ports line card .	We request you to please specify what exactly you are looking for only sup in non-blocking or whole chassis on wire rate .	RFP Statement stands
21	Protocol under the Clause No. 4.1 of core Switch	Generic VLAN Registration Protocol (GVRP)	For endnodes to make use of GVRP, they need GVRP-aware Network Interface Cards (NICs). The Industry Standard of Dynamic vlan through Radius server or centralized vlan management through EMS/NMS should be acceptable Suggestion : may be modified as "GVRP or equivalent "	We suggest the modification so that the End User is not burdened with Chnaging NIC cards of Existing Desktop. GVRP is not widely deployed and Most Efficent Method is Centralized Vlan Management from EMS .	RFP stands amended and reads as follows "GVRP or equivalent"

Response to the queries by participants of the pre-bid conference

21	Core switch	In Service Software Upgrade Capability	Request to remove	In Service Software Upgrade Capability is vendor specific - pls remove this clause or make it optional	RFP stands amended and reads as follows "In Service Software Upgrade or equivalent"
21	Core switch	<b>Add clause</b>	The proposed core switch will be used in a data center so it should support modules like Firewall, IPS etc within the switch	This feature is required to provide security to each port. Also security Module with in a chassis will consume less power in comparisson to seprate appliance in the network.	RFP stands amended and reads as follows "Should support WLAN controller module "
22	QoS under the Clause No. 4.1 of core Switch	64K Service Hardware enteries	This is required in Service Provider Scenario particularly in last mile Broiadband . Core LAN Switches support IEEE 802.1p and Diff serv for the same so request for removal of the clause .	The Core switches will be connected to access switches in campus Environment so the 64 k Hardware queues are not required. The Coe :Lan switch supports IEEE 802.1p , Diff serv , TOS, ACLS Rate Limiting , Policy based Routing etc which is enough for Providing Qos to traffic.	The clause stands deleted in the RFP
22	Core switch	64K Service Hardware entreis	Kindly Clarify or make it optional	Kindly clarify 64K Service Hardware entreis and his requirement or make it Optional	The clause stands deleted in the RFP
22	Core switch	IPX add-on support capability	Request to remove	IPX is a primitive technology,Now all networks built on IP technology.	The clause stands deleted in the RFP
22	Core switch		ADD Clause "Should support IPV6 Routing protocols In hardware from Day one".Like Ripng, OSPFv3, BGP4+.	IPV6 routing very important for coming time and it should supported on core switch from day one.	RFP stands ameded and reads as follows "Core Switch should support IPv6 from day 1 "
22	Ethernet Ports under the Clause No. 4.2 of 48 Port Ethernet switch	48 x 10/100/1000 Base Tx and 4 x 10/100/1000 Base Dual purpose Tx, Two High speed Stacking Ports	48 10/100/1000BASE-T with last 4 unpopulated 1000BASE-X SFP ports Dual purpose and Two high Spedd stacking ports	The Gigabit Switches of almost all vendors have the Same Port Configuration of 48 Gigabit Ports with last 4 ports Shared .	The RFP stands amended and reads as follows " 48 10/100/1000BASE-T with 4 shared 1000BASE-X SFP ports and Two high Speed stacking ports"
23	24 Port Access Switch	24 x 10/100/1000 BaseTx and 4x 10/100/1000BaseTx All ports should be capable to deliver Power over Ehternet (PoE)	24 x 10/100/1000 BaseTx with 4x 10/100/1000BaseTx All ports should be capable to deliver Power over Ehternet (PoE)	Industry standard is 24 port including 4 SFP combo) and desired port density available with only one to two vendors.	The RFP stands amended and reads as follows " 24 10/100/1000BASE-T. All ports should be capable to deliver Power over Ehternet (PoE) with 4 shared 1000BASE-X SFP ports and Two high Speed stacking ports."
23	48 Port Access Switch	Add clause	The proposed Access switch should support 10 Gig ports in future without replacing switch	10 Gig is a future technology and same will be required when network upgrade in near future.	RFP statement stands
23	4.3	24 Port Access Switch-Redundant Power Supply	Can we supply External RPS? (One RPS can cater more than one switch).		RFP statement stands
23	VLAN Capacity under the Clause No. 4.2 of 48 Port Ethernet switch	Minimum 250 VLAN	Minimum 1000 vlan	All the Enterprise Class layer 2/3 Giagbit Switches with advanced Chipset support Minimum 1000 Vlans . 250 Vlans are supported by SMB Switches	The existing clause in the RFP stands amended to a minimum of 1000 VLAN

Response to the queries by participants of the pre-bid conference

23	Switching Bandwidth under the Clause No. 4.3 of 24 Port Ethernet switch	At least 32 GBPS switching fabric	At Leas 88 Gbps gbps Switching Fabric	The Backplane Calculation : 24 x2 + stacking bandwidth ( 40 gbps) = 88 gbps ( Full Duplex)	RFP Statement stands
23	24 Port Access Switch	At least 32Gbps Switching Fabric	At least 48Gbps Switching Fabric	24 port x 1 Gig = 24 Gbps full duplex = 2 X 24Gbps = 48 Gbps for Non blocking performance minimum 48 Gbps switching fabric require.	RFP statement stands
23	48 Port Access Switch	At least 32 Gbps Switching Fabric	At least 96 Gbps Switching Fabric	48 port x 1 Gig = 48 Gbps full duplex = 2 X 48Gbps = 96 Gbps for Non blocking performance minimum 96 Gbps switching fabric require	RFP statement stands
23	Switching Bandwidth under the Clause No. 4.2 of 48 Port Ethernet switch	At least 32 GBPS switching fabric	At Leas 128 Gbps gbps Switching Fabric	The Backplane Calculation : 48 x2 + stacking bandwidth ( 40 gbps) = 128 gbps ( Full Duplex)	RFP statement stands
23	VLAN Capacity under the Clause No. 4.3 of 24 Port Ethernet switch	Minimum 250 VLAN	Minimum 1000 vlan	All the Enterprise Class layer 2/3 Giagbit Switches with advanced Chipset support Minimum 1000 Vlans . 250 Vlans are supported by SMB Switches	The existing clause in the RFP stands amended to a minimum of 1000 VLAN
23	Throughput under the Clause No. 4.3 of 24 Port Ethernet switch	At least 35 MPPS	At Leat 65.47 Mpps	The throughput Calculation = 68 x 1.488 mpps = 101.18Mpps Number of frames that a Gigabit port can handle per second: = 1000 / 84 x 8 = 1.488 Mpps ( 24 gigabit port + 2 nos 10 g stacking port = 48 gbps)	RFP statement stands
23	48 Port Access Switch	At least 39 Mpps	At least 65 Mpps	1 Gig port provide 1.488 Mpps 48 port X 1.488 = 71 Mpps for Non blocking performance minimum 71 Mpps required	RFP statement stands
23	Throughput under the Clause No. 4.2 of 48 Port Ethernet switch	At least 39 MPPS	At Leat 100 Mpps	The throughput Calculation = 68 x 1.488 mpps = 101.18Mpps Number of frames that a Gigabit port can handle per second: = 1000 / 84 x 8 = 1.488 Mpps ( 48 gigabit port + 2 nos 10 g stacking port = 68 gbps)	RFP statement stands
23	48 Port Access Switch	IPv6 SUPPORT: YES	Should Support IPV6 static routing	Kindly clarify what features need to achive through IPV6 support?	RFP statement stands

Response to the queries by participants of the pre-bid conference

23	48 Port Access Switch	8K MAC Addresses	12K MAC Addresses	12000 MAC addresses is a standard for all enterprise level switches and 8K are generally available with SMB Segment	RFP statement stands
23	48 Port Access Switch	Minimum 250 VLAN	Minimum 1000 Active VLAN	1000 Active VLAN is a standard for all enterprise level switches and 256 Vlan's are generally available with SMB Segment	The existing clause in the RFP stands amended to a minimum of 1000 VLAN
23	24 Port Access Switch	IPv6 SUPPORT: YES	Should Support IPV6 static routing	Kindly clarify what features need to achieve through IPV6 support?	RFP statement stands
24	Wireless LAN Controller	At least 4 x 10/100/1000BaseTx Ports with two Ports having PoE capability Separate Management Port Serial Console Port	At least 4 x 10/100/1000BaseTx Ports with Separate Management Port Serial Console Port	POE Capability required at access switch for providing power to AP. Why it is required in controller. better ask for 4/8 port poe switch separate along with controller.	The RFP statement stands amended and to read "No PoE port required at WLAN controller"
25	Wireless Access Points	TCP/IP, Bridging Protocol, DHCP, HTTP, FTP should support Light Weight Access Point Protocols	TCP/IP, Bridging Protocol, DHCP, HTTP, FTP should support Light Weight Access Point Protocols or equivalent	(Light Weight Access Point Protocols) LWAPP Specific to vendor, kindly remove it or make it equivalent	The RFP statement stands amended and to read "LWAPP or Equivalent"
25	4.7	4GB Controller Cache	Controller Cache should be 2 GB	Since you are looking for an entry level storage upgradable of only 6 TB, these parameters will unnecessarily increase the cost multi-fold	RFP statement stands
25	4.7	4 Drive Ports	No of drive ports should be limited to 1-2 Drives	Since you are looking for an entry level storage upgradable of only 6 TB, these parameters will unnecessarily increase the cost multi-fold	RFP statement stands
27	4.1	Enterprise Management Suite	Software delivery/Patch management/Hardware & software inventory tool is asked for computer system across enterprise. Please clarify how many desktop/servers are supposed to get served from this tool.		RFP statement stands - details available in BOQ
29	4.13	Fire rating of 2 hours		Fire rated only will do or tested & certified to the extent of 2 hr is required. Pls, clarify	The RFP statement stands amended and to read "Fire rated only to the extent of 2 hr is required."
29	4.13	Interior/False flooring etc	Area of DataCentre in Sqft or Sqmtr	If the same is not clarified than vendors will quote Qty as per their technical capabilities and thus the price difference	Guided tour already done, hence already addressed
29	4.13	False Flooring	UDL is Kg/mtr.sqr.	No UDL is specified and neither the responsibility of UDL and load bearing capacity in scope of FDDI is not clearly specified. Pls, clarify	Guided tour already done, hence already addressed

Response to the queries by participants of the pre-bid conference

30	4.13	Under Structure	The Load Bearing capacity of Pedestal assembly is not mentioned. The ideal should be load bearing capacity of 1100Kg/m2 . The detailed specification mention everything except this technical input which defines the standard. The same is as per TIA-942 guidelines too	TIA-942 guidelines are world wide accepted guidenlines on designing any Tier DC on False flooring etc as well as on complete DC infra built. The specs should be directing any orgnaization to achieve the technical measurable parameter which is Load bearing capacity of Pedestal	Guided tour already done, hence already addressed
31	4.14	Testing and commisioning of Grid power distribution board	Testing and commisioning of Datacenter distribution board (i.ePanel Incoming and outgoing )	Grid Power distribution board can't be touched by any organization in any premises other than the Power distribution organization	The RFP stands amended and the clause is deleted
31	4.14	TVSS	Voltage surge suppressors	UPS with inbuilt or isolation Transformer based UPS system acting as source of power to DC should suffice the requirement without Voltage Surge suppressors. If FDDI team decides to go with surge suppressor than we will request to kindly change the TVSS term to volatge suppressor as TVSS is a term used by proprietary organization/s	The RFP statement stands amended and to read "TVSS or equivalent."
33	4.15	Detector & Vesda	Either detector or Vesda should be maintained	Either detector or Vesda should be maintained as both perform the funstion of detection and gives an input as sensors to suppression system for release of suppression Gas system through nozzles	The RFP statement stands amended and to read "detector or Vesda."
33	4.15	Fire Detection and Suppression	Fire extenguisher or suppression system?		The RFP statement stands amended and to read "Fire Suppression System"
34	4.17	Six Fixed cameras	Fixed Dome type cameras with vandal proof cover	Parent BoQ system talk it as 1 while here the qty is 6 so the Boq should be read as CCTV system in point 13.5price schdeule form or 6 in qty column	The RFP statement stands amended and to read "Fixed Dome type cameras"
38	Enterprise / Network Management System under the Clause No. 4.22	Should support the topology services discover network devices and calculate layer2 relationship to provide views of the Network by ATM domai, VLAN truncking Protocol (VTP) domain , LAN edge view, and generate Layer2 view	Should support the topology services discover network devices and calculate layer2 relationship LAN edge view, and generate Layer2 view	ATM is legacy protocol and not used in Campus network . VTP is Vendor specific .	The RFP statement stands amended and to read "ATM related capabilities not required, VTP or equivalent features like GARP is acceptable"
39	4.23	The client should be isolated and Network Access should be restricted if the system is not updated.	Please clarify on this part 'isolated and Network Access should be restricted'.	Normally this is a functionality of NAC Appliance.	RFP statement stands
42	6	Stage 2:- Price Bid Evaluation	Please arrange to confirm whether it's a T in-L1 bid or its T1-L1.		RFP statement stands

Response to the queries by participants of the pre-bid conference

42	6	technical Evaluation:-CVs to be submitted for the following resources which cannot be changed during the execution of the project:- a)Project Manager b)Server/storage Expert c)Network Expert d)System Administer	The Profile of the given CVs will be the same during execution of the project but its very difficult to hold the same resource till execution.	The same resource may be unavailable for many valid reasons like allocation of the resource in some different project or due to change of job. Therefore , as a recommendation, we suggest to just freeze the skill set and the profile instead of the resource.	The RFP statement stands amended and to read "Any changes in resource to be informed to FDDI well in advance with valid reason. The same resource to be replaced by equivalent skill and experience. The entire process is subject to approval of FDDI management"
51	9	Payment terms	(A)70% Payment schedule- Payment for Supply of items should be made seprately post acceptance of DC and signed by FDDI as well as 70% od the services payment should be made post comiisioning certificate and join measurement (B) 20% of payment will be released against the security submitted as BG	Supply and services are separate billing and attract different taxes as well as WCT as separately in Noida (UP) too. The two payment shouldn't be linked as it impact the cash flow of bidders	RFP statement stands
78	Approved Manufacturer's List Under the clause No. 14.2 of Network Switches	Cisco,3Com,Juniper,Alactel-Lucent	Request : Kindly incorpote our Name (Extremenetworks) as approved Make	We, Extremenetworks Inidia, are one of reputed manucaturer of Ethernet switches, WLAN etc and have very strong installation base in Govt., PSUs for their mission critical Networks. Name of few PSUs /govt HQ running on Extreme are as; 1. Sail HQ, New Delhi, 2. NTPC, HQ, Noida, 3. BSNL, HQ, New Delhi, 4. Rail Bhavan , New Delhi, 5. Engineers India Ltd, New Delhi, 6. Minstry of External Affairs (MEA), New Delhi, etc	RFP statement stands
		distribution layer missing	as per the current arct. Core switch will bi providing connectivity to the server farm & edge switches where as any failure in the core switch will affect the complete LAN , WAN & Application	We request you to please consider the three tier arct. which contains CORE, DISTRIBUTION & EDGE layers.	RFP statement stands
		KVM & TFT	Specs are not mentioned in the RFP	Following are the Generic Specs for	The RFP statement stands amended and to read "One rack mountable 8 Port IP KVM Switch and one 17" foldable console with integrated keyboard & mouse is required "
		Load Blancer	Specs are not mentioned in the RFP		RFP statement stands

Response to the queries by participants of the pre-bid conference

			Auto Cad civil layout drawing is a Must for designing infrasolution.		Guided tour already done, hence already addressed
			There is no clarity on the requirement on Precision Air conditioning system which is one of the essentials for cooling the server racks in the data center.		Guided tour already done, hence already addressed
		Add Clause	Operating System of all proposed switches should be same	Same OS will provide same command for ease of management and less of training/skill sets.	RFP statement stands
		Add Clause	The management platform should be common for all LAN and WLAN components	Single administration or management window will able to provide management and reporting of complete wired and wireless network	RFP statement stands
		Add Clause	The proposed LAN and WLAN component should be from same OEM	For better management and integration	The RFP statement stands amended and to read "The proposed LAN and WLAN component should be from same OEM"