

SPICES BOARD
(Ministry of Commerce & Industry, Govt. of India)
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Upgrading LAN in Board's Head Office

No.EDP/Network/10

Date: 26.5.2010

Sealed quotations are invited for upgrading LAN in Board's Head Office as per the following requirement and specification given in Annexure – I subject to the terms and conditions in Annexure-5.

Requirement

- a) Replacement of existing back-bone Ethernet cables, Conduits and Connectors
- b) Supply and laying of fibre optic & copper cables and cable terminators
- c) Supply and installation of Racks, LIUs, I/Os and Patch Panels
- d) Termination of Fiber/UTP cables at Racks, LIUs, I/Os and Patch Panels
- e) Establish connectivity, testing, commissioning
- f) Establish LAN as per the lay-out in Annexure –1.

Tender details

1. Tender publishing date	26 th May 2010
2. Closing date and time for submission of quotations	15 th June 2010 5.00 p.m.
3. EMD	Rs. 5000/- Five Thousand DD-only
4. Opening date and time of quotations & Venue	16 th June 2010 11.00 a.m. EDP Dept, Spices Board, Kochi
5. Contact person	Deputy Director EDP, Spices Board, Kochi Phone:0484-2333 603

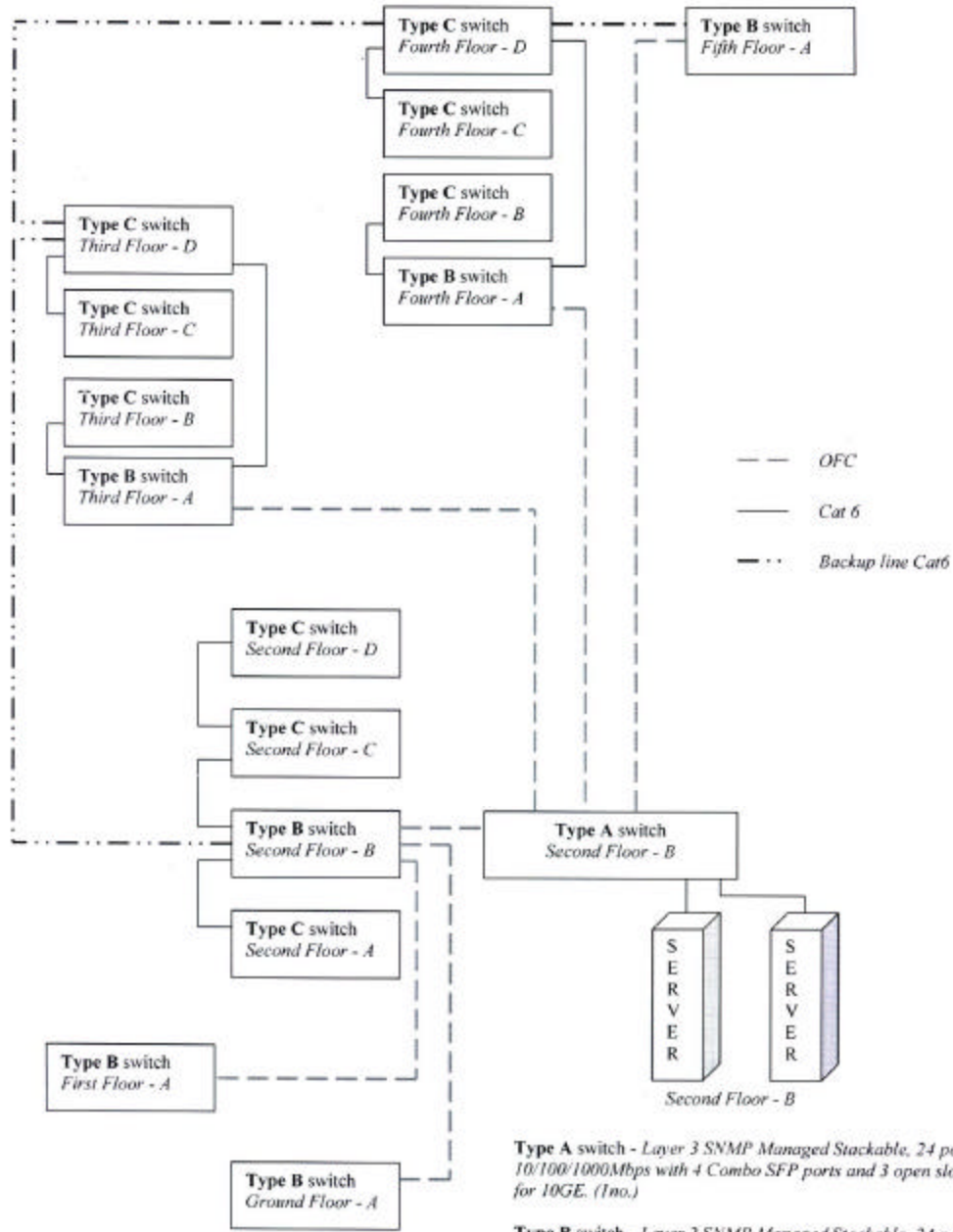
Cost of active and passive components and labour shall be furnished as per Annexure 2, 3 and 4 respectively. The sealed cover containing the quotation shall be super-scribed as "Quotation for upgrading LAN due on 15th June 2010 (EDP Dept)". As per normal payment terms of the Board, 90% of the cost of network components will be released on delivery of items subject to inspection and, balance, on successful upgradation of Network. Spices Board has no 'C'/D' forms. The Board reserves its right to reject any or all quotations without assigning any reason thereof.

Sd/-

(P.M.Suresh Kumar)
Dy.Director(EDP)

PROPOSED NETWORK LAYOUT IN SPICES BOARD HEAD OFFICE

Annexure-1



--- OFC
 — Cat 6
 - - - Backup line Cat6

Type A switch - Layer 3 SNMP Managed Stackable, 24 port, 10/100/1000Mbps with 4 Combo SFP ports and 3 open slots for 10GE. (1no.)

Type B switch - Layer 2 SNMP Managed Stackable, 24 port, 10/100/1000Mbps with 4 Combo SFP ports. (6nos.)

Type C switch - Layer 2 SNMP Managed, 24 ports, 10/100/1000Mbps with 2 Combo SFP ports. (9nos.)

Active Components(Approximate requirement)

Sl. No	Item	Description	Qty	Specification	Preferred Brands (specify make&model)	Unit Price
1	Switch, Layer 3 SNMP Managed Stackable (Type A)	24 Port (copper), 10/100/1000Mbps with 4 Combo SFP Ports and 3 open slots for 10GE.	1 nos	RIP, OSPF, DVMRP, Access Control List, SNMP v1/2, IGMP Snooping, STP, RSTP, MSTP, VLAN, 802.1x, 802.1p, Telnet	DLink/3Com/HP Procurve	
2	Switch, Layer 2 SNMP Managed Stackable (Type B)	24 Port (copper), 10/100/1000Mbps with 4 Combo SFP Ports	6 nos	8K MAC, IGMP Snooping, STP, RSTP, MSTP, 256 VLAN, Access Control List, SNMP, QOS support upto 4 queues, Broadcast control, 802.1x	DLink/3Com/HP Procurve	
3	Switch, Layer 2 SNMP Managed (Type C)	24 Port (copper), 10/100/1000Mbps with 2 Combo SFP Ports	9 nos	8K MAC, IGMP Snooping, STP, 256 VLAN,SNMP, QOS support upto 4 queues, Broadcast control, 802.1x	DLink/3Com/HP Procurve	
4	Switch, Unmanaged Rack mountable	24 Port (copper), 10/100/1000Mbps	2 nos		DLink/3Com/HP Procurve	
5	Switch, Unmanaged Rack mountable	48 Port (copper), 10/100/1000Mbps	1 nos		DLink/3Com/HP Procurve	
6	LC 1000Base-SX Mini Gigabit Interface Converter	LC Connector type	12 nos		DLink/3Com/HP Procurve	

Passive Components (Approximate requirement)

Sl.No	Item Specification	Qty	Make/Model*	Unit Price
1	CAT6 UTP Cable Box	2 box	AMP/Krone/Molex	
5	Single port Surface Mount Box with face plate, Cat6 I/O and screws	100 nos	AMP/Krone/Molex	
6	Dual port Surface Mount Box with face plate, Cat6 I/O and screws	100 nos	AMP/Krone/Molex	
7	UTP CAT6 patch Cord 1Mtr	100 nos	AMP/Krone/Molex	
8	UTP CAT6 patch Cord 2Mtr	100 nos	AMP/Krone/Molex	
9	24 Port CAT6 Patch Panel(19" rack mountable 1U) with horizontal cable manager	16 nos	AMP/Krone/Molex	

OFC Components

1	6 Core 50/125um Multi Mode OFC, Outdoor	200mts	AMP/Krone/Molex	
2	19" 24 Port Rack mount LIU with SC adapter and pigtail fully loaded for multimode fibre.	2 nos	AMP/Krone/Molex	
3	19" 12 Port Rack mount LIU with SC adapter and pigtail fully loaded for multimode fibre.	1 nos	AMP/Krone/Molex	
4	19" 6 Port Rack mount LIU with SC adapter and pigtail fully loaded for multimode fibre.	5 nos	AMP/Krone/Molex	
5	SC-LC Patch Cord 3mtrs for connecting LIU and switch	12 nos	AMP/Krone/Molex	
6	LC-LC patch Cord 10mts for switch to switch connection	1 no	AMP/Krone/Molex	

* specify make & model

Annexure-3
continued

Racks (Approximate requirement)

Sl.No	Item Specification	Qty	Make/Model*	Unit Price
1	19" 6U Wall Mount Network Rack to accommodate switches specified in Annexure-2 with fan, power strip with 5 nos-5A-3 pin sockets & hardware kit	15 nos	Netrack/Rittal/ Valrack/President	
2	19" 9U Wall Mount Network Rack to accommodate switches specified in Annexure-2 with fan, power strip with 5 nos-5A-3 pin sockets & hardware kit	1 nos	Netrack/Rittal/ Valrack/President	

Cable Laying

1	PVC Conduit(Pipe) for UTP cable with 25mm diameter (including accessories)	100mts	Modi/Flex/Konseal	
2	PVC Casing and Caping for UTP cable with 20mm, 25mm, 38mm (including accessories)	20mm :100mts 25mm :200mts 38mm :100mts	Modi/Flex/Konseal	
3	32mm HDPE Pipe	100mts	Modi/Flex/Konseal	

* specify make&model

Labour Charges

Sl.No	Description	Rate/Unit cost (Rs.)
1	Cable Laying Charges per metre	
2	Conduit & Casing N' capping Fixing Charges per metre	
3	Patch Panel Termination charges per unit	
4	I/O Fixing and Termination charges per unit	
5	OFC laying charges per metre	
6	HDPE Pipe laying charges per metre	
7	Fixing Of Network Rack per unit	
8	Fixing Of LIU per unit	
9	Fiber Core Termination per unit	
10	Any other charges not covered above	

TERMS AND CONDITIONSSubmission of quotations

1. There is no separate tender document. This enquiry notice can be downloaded from Board's web site <http://www.indianspices.com/html/quot.php> for tender submission.
2. The Tenderer shall submit along with the tender an EMD of Rs.5,000/- (Rupees Five Thousand Only) in the form of Demand Draft in favour of Secretary, Spices Board payable in Kochi. The EMD should be submitted in a sealed cover marked on the outside with the word 'EMD'. The EMD of unsuccessful Tenderer(s) will be refunded, after short listing of proposals, without any interest. In case the tenderer withdraws from the process, the EMD deposited by him will be forfeited. EMD of the successful tenderer will be retained by the Board as security deposit till successful completion of System installation. No interest shall be payable on this.
3. The tender received after the prescribed date and/or time and without EMD will be summarily, rejected.
4. Vendors shall have experience in successful completion of fibre backbone by laying of OFC cable using switches, connectors, transceivers, terminators / converters etc. during the last 5 years
5. Make/brand name of all network components shall be specified in the quotation. Multiple brands can be quoted.
6. The quotation shall include break-up cost of all components and work mentioned in the requirement.
7. Cost shall include all taxes, duties, entry tax, packing, insurance, forwarding and installation charges.
8. Proposal shall include documents to prove certification, quality of products, service support and technical competence.
9. List of customers for whom similar work has been undertaken, along with performance certificate from such customers, shall be enclosed.
10. The offer shall include scope of work, work shedule, validity of quotation, response time in attending break-down calls,, warranty period and AMC rate for post-warranty period.
11. Offers which are incomplete in terms of scope, items or specifications or required details will not be considered and such tenders are liable to be rejected forthwith.

Execution of Work

12. Supply of network components and upgradation of LAN shall be completed within four weeks from date of placing order. If the work is not completed within the said period, termination/cancellation of the order will be considered and in such a situation, the Board will have the right to forfeit the security deposit (EMD) of the tenderer and assign the work with any other vendor.

13. The pipes/conduits shall be securely fixed to brick wall using clamps.
14. All racks shall be properly sealed to prevent entry of rodents.
15. Installation of patch panel in rack involves mounting of patch panel, punching UTP cable in the patch panel, ferruling the cable, dressing, labeling and testing connectivity.
16. Installation of I/O involves mounting of I/O on wall, punching UTP cable in the I/O jack, ferruling the cable and labeling the I/O
17. All the fibre cores shall be spliced to multi mode SC pigtail connectors housed in the LIUs. The LIU shall be rack mountable. The fibre patch cords shall be of types, SC-LC (for providing connectivity between the LIU and the switch port) and LC-LC (for switch to switch connection)
18. The cable installation shall comply with TIA/EIA-568B category 6 specifications.
19. On completion of LAN, all old Ethernet cables, Conduits and Connectors shall be properly removed from the wall .

Warranty and Response time

20. All active components shall be supplied with minimum one year warranty. Response time for attending breakdown calls shall be 4 hours on working days.

Billing

21. The quantity given in Annexures 2&3 are approximate and there may be some variation in the quantities during execution. The vendor shall bill according to the actual usage.