

Government of West Bengal
Office of the District Magistrate & Collector, Nadia.
Krishnagar, Nadia
(NIC)

T E N D E R N O T I C E

Sealed Tenders are invited from the bonafide Suppliers/Contractors for supply & Installation of Network Switches in Nadia Collectorate & Nadia Zilla Parishad, Krishnagar, Nadia mentioned in the enclosed list to be purchased from time to time.

1. Name of the Work : Supply & Installation of Network Switches in Nadia Collectorate and Nadia Zilla Parishad.
2. Estimated Amount : Total cost of the project will be a determining factor in selection.
3. Earnest Money : Rs. 5,000.00 (Five thousand) only.
4. Contractor /Eligible to Submit Application for tender papers : As per annexure. (Annexure - I)
5. Minimum security deposit : Rs. 30,000.00 (Thirty thousand) only.
6. Last date of submission of application for tender paper : 20/06/2013 up to 3.00 PM at Nazareth Section
7. Date of issue of Tender papers : 04/06/2013 to 20/06/2013 up to 12.00 Noon
8. Credential & Other Documents :
 - Tender document may be purchased against application only
 - Tender to be submitted along with attested copies of P.T., Vat registration, PAN submission of return of I.T. for last 2(Two) years and credential with payment certificate as directed. Any Incomplete Tender will not be entertained.
 - Valid VAT, P.T., PAN, IT documents and Credential etc. to be shown in original to the Department for verification by attending himself or his authorized representative physically in the office during the specified time schedule as
9. Date of receipt of Tender & Opening of Tender : 10/06/2013 to 21/06/2013 up to **2:00** of P.M. Opening on 21/06/2013 at **3.30 P.M.**
10. Cost of Tender Documents : As per annexure - I
11. Terms & Conditions : As per annexure - I
12. Validity of Tender : As per annexure - I
13. Time of completion of work : 15 (fifteen) days from the date of issue of work order

Anvashinda Ghosh
Additional District Magistrate(Gen.),
Nadia.

Terms & Conditions

Sl. No.	Criteria	Eligibility of Tenderer
1	Job completion time	15 Days from the date of issue of work order.
2	Pre-qualification	The intending tenderers shall have to furnish proof of their pre-qualification and experience along with the bid. Copies submitted in support of credential shall be attested. Pre-qualification criteria will be checked at the time of techno-commercial evaluation of the offer.
3	a) Minimum Annual Turnover	Annual Turnover of the Tenderers during any of the preceding three financial years i.e. FY 2010-11, 2011-12 & 2012-13 should be at least INR 10 Crores each . Turnover for this purpose should be as per audited Balance Sheet of the company.
	b) Minimum Value of Single network switch purchase order	Single Order executed by the bidder in any of the five preceding financial years i.e. FY 2007-08, 2008-09, 2009-10, 2010-11 & 2011-12 shall be submitted as follows: 1. Three similar completed orders each costing (on landed cost basis) not less than the amount equal to INR 6 lakhs . 2. Two similar completed orders each costing (on landed cost basis) not less than the amount equal to INR 8 lakhs . 3. One similar completed orders each costing (on landed cost basis) not less than the amount equal to INR 10 lakhs .

S. No.	Minimum Technical Specification of the Switch
1	MAKE/ MODEL : Vendor to specify. Vendor shall supply any reputed make as per the specs. Vendor should be specifically authorised by OEM to participate in this offer. Necessary documentary proof of authorisation is to be enclosed. (Vendor is to furnish Model No. / Part No. of all the major components offered.)
2	Switch should be 1 RU rack mountable.
3	Switching capacity (excluding stacking Bandwidth): 88 Gbps Non-blocking or higher
4	Aggregate bandwidth (throughput) / Switching fabric capacity / Backplane speed : Minimum 160 Gbps
5	Packet forwarding Rate: minimum 65 Mpps at wire-rate.
6	Stackable with minimum 64 Gbps stacking bandwidth per switch using dedicated stacking ports. All required accessories for stacking – including stacking module & cables shall be included in the offer. It shall support stacking of at least six (06) switches per stack manageable using a single IP address for all members per stack.
7	Port Density: Minimum 24 x 10/100/1000BaseT RJ45 Ports all of which shall be able to power IP Phones, CCTV camera, etc., as per IEEE 802.3at PoE+.
	At least 4 x 1000BaseX SFP Ports. (not shared).
	2 x 10G SR/LR SFP+ uplink ports when required in future.

8	Switch should support IEEE Standards of Ethernet: IEEE 802.1d, 802.1s, 802.1w, 802.3ad, 802.3af, 802.3x, 802.1D, 802.1p, 802.1Q, 802.3, 802.3u, 802.3ab, 802.3at, 802.3z, 100Base-T, 1000BASE-T, 1000BASE-X (mini-GBIC/SFP), 1000BASE-SX, 1000BASE-LX/LH, 1000Base-ZX, 10G Base SR, LR, LRM.
9	Should support IEEE 802.1Q VLAN encapsulation with minimum 1000 active VLANs and 4000 VLAN IDs.
10	Shall support Private VLANs, Voice VLANs and VTP or equivalent IEEE standards based protocol for easy and quick configuration of VLANs on multiple switches.
11	Shall have minimum 12,000 MAC Address
12	Shall support 802.3ad link aggregation and 802.1s MSTP.
13	It shall have 802.1AB LLDP with support for integration of VoIP.
14	Shall have at least eight (08) priority queues to differentiate and prioritize different applications (Voice / Video / Data).
15	Should support DiffServ / TOS Marking & Policing
16	Should Support for IGMP v1, v2 and v3 and IGMP Snooping
17	The switch shall have at least 6,000 unicast routes.
18	Shall have static routing, RIP v1/v2 OSPFv3, RIPng, Equal-cost routing, Policy-based routing (PBR), Protocol Independent Multicast (PIM) for IP multicast routing, including PIM sparse mode (PIM-SM), PIM dense mode (PIM-DM), PIM sparse-dense mode and Source Specific Multicast (SSM, Virtual routing and forwarding (VRF)-Lite from day one.
19	Shall support IPv6 neighbor discovery, IPv6 MLDv1 & v2 Snooping, IPv6 Host support – including IPv6 Addressing; ICMPv6 from day one.
20	Should support IEEE 802.1x to allow dynamic, port-based security, providing user authentication
21	Should support MAC Address Based Security on per port basis.
22	Should support IEEE 802.1x with VLAN assignment for dynamic VLAN assignment
23	Should support Port-based ACLs (PACLs) for Layer 2 interfaces allow application of security policies on individual switch ports
24	Should support SSHv2 , SNMPv3 and NTP to provide network security
25	Should support TACACS+ and RADIUS authentication
26	Should support image / configuration rollback
27	Should support DHCP snooping to allow administrators to ensure consistent mapping of IP to MAC addresses.
28	Should have Port and VLAN based Mirroring with support for mirroring to remote port/VLAN.
29	Management : · Shall support Telnet, SSH, NTP, SNMPv1,v2,v3, HTTP/HTTPS and DNS Client/Server · Console access using dedicated console port · Easy software upgrade through network using TFTP etc.
30	EMC & Safety compliance: FCC Part 15 Class A, UL60950, VCCI Class A

Araleinde Chut
 Additional District Magistrate(Gen.),
 Nadia.

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Work to be done

ACTIVITY	UNIT OF MEASUREMENT	COST PER UNIT
Switch make/ model as per specification Make: Model:	Per unit	
Switch Installation cost	Per unit	
CAT6 Cable	Per ft.	
Laying through PVC pipe	Per ft.	
Laying of Cable excluding supply of insulation pipe	Per ft.	
Laying of Cable including supply of insulation pipe	Per ft.	
Wall mounted Rack for the above switch	Per unit	
Wall mounted Rack Installation	Per unit	
I/O box	Per unit	
I/O box Installation	Per No.	
Configuration of managed switches	Per unit	
One Technical manpower to be placed in District Collectorate for maintenance and support regarding network LAN	Per month	
AMC including switches and cables after 3 years	Per year	

Total cost of the project will be a determining factor in selection.

The work will be supplying of the above materials as per requirement and its installation in Nadia Collectorate and Nadia Zilla Parishad.

The work also includes 3 Years onsite warranty and 3 Years Annual maintenance contract for the entire Switch and Cables to be supplied and installed. This has to be provided by the vendor who will get the work order.

Anabinda Ghosh
Additional District Magistrate(Gen.),
Nadia.

Memo. No. S10(10)/NIC

Dated, 31 th May, 2013

Copy forwarded for information and with a request to publish in his Notice Board for wide publicity to :

- 1) The District Judge, Nadia;
- 2) The Superintendent of Police, Nadia;
- 3) The Executive Officer, Nadia Zilla Parishad;
- 4-7) The Sub-divisional Officer, (Sadar) Krishnagar/ Ranaghat/ Kalyani/ Tehatta, Nadia;
- 8) C.A to District Magistrate, Nadia, with a request to place before the Authority;
- 9) C.A to Addl. District Magistrate(Gen.), Nadia, with a request to place before the Authority;
- ✓ 10) The D. I. O., NIC, Nadia, with a request to display the notice in the District Website.

Anabinda Ghosh
Additional District Magistrate(Gen.),
Nadia.