ERNET India

(An Autonomous Scientific Society under Department of Electronics & Information Technology, GoI)
ERNET India, 10th Floor,
Jeevan Prakash Building,
New Delhi-110001

No. EI-D/Tech/49-2/2013
Dated: 24.09.2013
Pre bid date: 07.10.2013 at 11.00 AM
Due Date: 21.10.2013 at 3.00 PM
Opening of Bids: 21.10.2013 at 3.30 PM

Subject: Tender for Supply & Installation of routers with STM-1 Interface.

1. **ERNET India**, an Autonomous Scientific Society under Department of Electronics and Information Technology, Govt. of India, is a Class `A' Internet Service Provider for the Education and Research community in India.

2. ERNET India is a nodal network for integrating education & research institutions in the country. Internet service is one of the services being provided by ERNET India to these institutions. The services are provided through 15 Points of Presence (PoPs) located at the premier education & research institutions in the country. All these PoPs are connected on high-speed backbone with international connectivity. More than 1000 educational and research institutions are connected on the Network through these nodes.

3. ERNET India is also providing Leased line links to various organizations/users for providing its services.

4. Sealed tenders are, therefore invited from the reputed manufacturers or their authorized representatives for supply & installation of router with STM-1 Interface to ERNET India during the currency of two years from the date of first purchase order. Technical specifications are provided as per Annexure I. Tender fee and EMD to be paid as per Para 16 of this tender document.

GENERAL CONDITIONS

1. The bidder must be a reputed manufacturer or his authorized representative of the type of product offered. The authorization against the tender enquiry from the manufacturer/distributor must be submitted along with the bid. In the letter, OEM should give un undertaking that the quoted product shall not be at end of life in next one year and it will provide support for the product for next 5 years **The bids received without authorization against the tender enquiry will liable to rejected.**

2. A pre-bid meeting is scheduled to be held on 07.10.2013 at 11.00 AM at ERNET India, 10th Floor, Jeevan Prakash Building, 25 K.G.Marg, New Delhi – 110001. All the prospective bidders are requested to submit their queries to the undersigned by hand only by 7th October 2013. To deliberate the queries, bidders are requested to attend the above stated pre bid meeting. Response of ERNET India to the

queries of the bidders and any additional information will be uploaded on ERNET Website & CPP Portal by 11th October 2013.

3. Bids should be valid for a minimum period of 180 days after the due date.

4. Envelope should bear the inscription.

"Tender for Supply & Installation of routers with STM-1 Interface "

Pre-bid date: 07.10.2013 at 11.00 AM
"Due Date: 21.10.2013 at 3.00 PM
Opening of Bids: 21.10.2013 at 3.30 PM

5. The Bids must reach the undersigned at ERNET India, 10th Floor, Jeevan Prakash Building, 25 K.G.Marg, New Delhi – 110001 on or before the due date, i.e., on 21.10.2013 at 3.00 PM. Bids received after the due date & time is liable to be rejected. In the event of due date being a closed holiday or declared Holiday for Central Government offices, the due date for submission of the bids will be the following working day at the appointed time & venue.

6. Technical Specifications for the router are included in Annexure-**I** and Price Bid in **Annexure – II.**

7. ERNET India reserves the right to accept or reject any bid or cancel the tender proceedings without assigning any reason whatsoever.

8. The bidders should quote as per the tendered specifications.

9. **Incomplete Bids are liable to be rejected.**

10. Bidder shall sign all pages of quotation and drawings forwarded with the bids.

11. In case of any discrepancy between rates mentioned in figures and words, the latter shall prevail.

12. Bidder should quote for all the items.

13. ERNET India may waive off any minor deviations or may seek any clarification, if so desired.

14. The vendor will have to arrange for all the testing equipment and tools required for quality testing of the equip0ment.

15. Bidders are required to quote AMC for the routers for 4 years and ERNET India will place PO for the AMC of the routers on each year basis, if required, after completion of warranty period of one year. However, cost comparison will be made strictly as per Bill of Material detailed in Annexure II

16. **EARNEST MONEY DEPOSIT**

    (i) All the interested bidders may purchase the tender document from undersigned against tender fee of Rs.2000/- in the form of Demand Draft/ Banker's Cheque. Alternatively, the bidder may download the tender document from ERNET Website www.ernet.in. In case

the tender document is downloaded from the website, the bidders should enclose Tender document fee of Rs. 2000/- in the form of demand draft in favor of ERNET India, in the technical part of the bid. Bids not accompanied the tender fee, will be treated as non responsive and will not be taken up for consideration.

ii) Each quotation must be accompanied by Earnest Money Deposit of Rs.25000/- (Rupees Twenty Five Thousand Only) shall be in the form of Demand Draft/Pay Order/Bank Guarantee of any Nationalized Bank taken in the name of ERNET India, New Delhi. Bank Guarantee should be valid minimum for a period of 180 days from due date of the quotation. **Bids received without Earnest Money Deposit are liable to be rejected.**

ii) Earnest Money is liable to be forfeited and bid is liable to be rejected, if the tenderer withdraw or amends impairs or derogated from the tender in any respect within the period validity of the tender.

iii) The earnest money of all the unsuccessful tenderers will be returned after placement of order on the selected vendor. No interest will be payable by ERNET India on the Earnest Money Deposit.

17. Rates quoted by the Bidder shall be final and no negotiation will be held.

18. **ELIGIBILITY CRITERIA:**

a) The bidder should have positive net worth in the last three years. The certificate from C.A must be enclosed.
b) The bidder should have executed (supplied and installed successfully) at least three nos. of similar type of orders in last 3 years. Copy of the Purchase order must be enclosed.
c) Bidder/OEM must have repairing centre in India for repairing of the equipment in the country.

19. PAYMENT TERMS:

90% of the payments for the supply of the routers will be made against the delivery. Remaining 10% will be released one year after the delivery and successful installation. However, ERNET India may consider releasing the 10% based on Bank Guarantee provided by the successful bidder.

20. SERVICE LEVEL AGREEMENT

 The successful bidder will give a replacement of any faulty equipment within 6 hours from the log of calls for the equipment failure. However, in any case faults should prolong beyond 8 hours. In case the fault is not repairable within 8 hours, the bidder will provide a standby router of the equivalent specifications.

21.   **Delivery Period**:

The routers will be supplied at respective PoP of ERNET India within 4 weeks of the issue of Purchase order. However, the routers will maintained at the respective user site on all India basis.

22.   **Liquidated Damage**:

The successful bidders will supply the equipment within 4 weeks from the date of the P.O, failure to supply the equipment within the stipulated period will make the bidder liable for Liquidated Damage (1% for every week or thereof after the stipulated date subject to a maximum of 10% of the equipment value.)

23. The bidder must give clause-by-clause compliance for all the general terms and conditions of the tender document in their technical bid.

24. The bidder must give clause-by-clause compliance for the technical specification of the equipments in their technical bid.

25. The bids received without Compliance statements/ documentary proofs / supporting documents will liable to be rejected.

Yours faithfully,

(Dinesh Kumar Dixit)
Registrar & CPO

Technical Specifications for the router with STM-1 Interface

Category	Sub-category	Detailed Description
Hardware	Architecture	CPU Architecture : support Muliti-core CPU; At least support 12 cores.
		Switching capacity of the system >= 80 Gbit/s.
	Slot	Slot>=8
	Forawrding Performance	Layer 3 forwarding Performance (64-byte packet size) >= 2.5 Mpps.
		NAT + ACL + QoS forwarding bandwidth (bps, IMIX, bidirectional forwarding) >= 1500Mbps.
		IPSec forwarding bandwidth (bps, IMIX, unidirectional forwarding) >= 1500Mbps.
	Interface	Fix Interface: support 3GE (2 Combo) wan interface.
		WAN Interface: Support CE1/CT1, E1/T1, Channelized STM-1
		Maintenance interface: support 1*Mini-USB,1*Serial (share with Auxiliary Port).
	USB port (2.0)	USB port (2.0) >= 2.
	Flash	Flash >=2G.
Management	FTP/TFTP	FTP/TFTP.
	SSH	SSH.
	Telnet	Telent.
	RMON/RMON2	RMON/RMON2.
	SNMPv1/v2/v3	SNMPv1/v2/v3.
	USB Deployment	USB Deployment: support to upgrade software, patch from and configuration from USB.
	Web Mangement	Web Mangement.
LAN Access	IEEE 802.1P, 802.1Q	IEEE 802.1P, 802.1Q.
	IEEE 802.1d (STP), 802.1w (RSTP), 802.1s (MSTP)	IEEE 802.1d (STP), 802.1w (RSTP), 802.1s (MSTP).
	MAC address management	support static MAC address and dynamic MAC address.
	MAC address limit	support MAC address limit.
	LLDP	support LLDP.
	Transparent bridge	support Transparent bridge.
	Number of VLANs	Number of VLANs >= 4K
	Number of MACs	Number of MACs >= 4K

WAN Access	PPP	support IPv4 and IPv6 PPP.
	3G	support 2G frequency band: GSM/GPRS/EDGE 850/900/1800/1900 MHz; 3G frequency band: HSPA+/HSPA/UMTS 2100/900 MHz.
IP Application	NAT	support NAT, NAT ALG.
	Netstream	support netstream.
	IPv6 ND	support IPv6 ND.
	6over4 tunnel	support 6over4 manual tunnels, 6over4GRE tunnels, IPv4-compatible address automatic tunnels, 6to4 tunnels, 6to4 tunnel trunks, and ISATAP tunnels.
	4over6 tunnel	support 4over6 tunnels, and setting the traffic label value for a tunnel, the hop limit value for a tunnel, the traffic level for a tunnel, and the encapsulation limit value.
	DNS	support DNS Client, DNS proxy/relay, DDNS, DNS6 Client, DNS6 Proxy/Relay.
	VRRP	support IPv4 VRRP, VRRP6.
	NQA	support ICMP/UDP/TCP/SNMP/FTP/HTTP UDP jitter test/DHCP/Trace/DNS test.
	DHCP	support DHCP Client, DHCP relay, DHCP Server, DHCPv6 Client, DHCPv6 relay and DHCPv6 Server.
Routing	RIP	support RIPv1/v2, RIPng.
	OSPF	support OSPFv2, OSPFv3.
	BGP	support BGP4, BGP4+
	SPR	support smart policy route.
	MBGP	support MBGP.
	IGMP	Support IGMPv1/v2/v3.
	IGMP Proxy	Support IGMP Proxy.
	PIM	support PIM-DM, PIM-SM and PIM SSM.
MPLS	LDP	Support IPv4 LDP and LDP FRR.
	L3VPN	Support L3VPN
	MPLS TE	support MPLS TE.
VPN	GRE	support GRE.
	L2TP	support L2TP.
	SSL VPN	support SSL VPN.
	IPSec	support 4000 IPSec tunnels without additional hardware.
Security	Firewall	support packet filtering firewall, ASPF, Attack defense, Active/Standby firewall.
	Access security	support 802.1x authentication, MAC address authentication, Web authentication, User access management.

	ARP security	support ARP packet suppression, ARP spoofing, DAI.
	IP security	support ICMP attack defense, uRPF, IPSG,
QoS	ACL	support basic IPv4 ACLs, extended IPv4 ACLs, and Ethernet frame header-based Layer 2 ACLs and name ACLs.
	Hardware-based QoS	support hardware-based QoS.
	HQoS	support 3-Level scheduling and shaping for flows, services (sub-interfaces), and interfaces.
	IPv6 QoS	support IPv6 QoS.
Relability	MTBF (year)	>=30
	MTTR (hour)	<=0.6
	Power supply redundancy	Support power supply redundancy.
	Hot-swappable	All interface cards support hot-swappable

PRICE SCHEDULE FOR THE SUPPLY OF …………………………..

To,

        HoD (Terrestrial WAN) & Senior Manager
        ERNET India
        10th Floor, Jeevan Prakash Building,
        25, K.G. Marg,
        New Delhi -110 001.

Tender No. _____   Date of Opening ……………………………

     We _____ hereby certify that we are established firm of manufactures/authorized agents of M/s. _____ With factories at _____ which are fitted with modern equipment and where the production methods, quality control and testing of all materials and parts manufactured or used by us are open to inspection by the representative of ERNET India. We hereby offer to supply the following items at the prices and within the period indicated below

Table – I

Sl No	Items	Unit Price A	Taxes, if any B	Unit Price including Taxes C (=A+B)	Qty D	Total Prices (in Rs.) E (= C*D)
1.	Router with the specifications given in Annxure-1				2	
2.	AMC of the Router for 1 year.				2	
	AMC of 2 Routers for 4 years					
Grand Total for 2 router and AMC of 2 routers for 4 years						

- Comparative statements and the evaluation of the tender will be made based on the quantity mentioned in the Table-I.
- The prices of routers are for Rate Contract for 2 years and actual order will be placed as per requirement.

Table – II

Break up of Price (in Indian Rupees)					
Ex-Factory Price	Sales Tax/ Service Tax, as applicable	Packing and forwarding charges in detail	Freight to Destination at site	WCT/Other charges (if any)	Total free delivery price
A	B	C	D	E	F

1. It is hereby confirmed that we have understood the terms and conditions of the tender and have thoroughly examined specifications and are thoroughly aware of the nature of goods required and our offer is to supply goods strictly in accordance with the requirement and terms and conditions of the tender. We agree to abide by the terms and conditions of the tender if the contract is awarded to us.

2. We hereby offer to supply the goods detailed above or such portion thereof as you specify in the purchase order at the price quoted and agree to hold this offer open for acceptance for a period of 180 days from the date of opening of bid.

3. Bid security for an amount equal to Rs. ………………………../- is enclosed in the form of Bank Draft/Pay Order/ Bank Guarantee.

_____
(Signature and seal of Manufacturer/Bidder)

Dated _____ 2013

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