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No. EI-D/Tech/Misc-45/2012

ERNET India

(An Autonomous Scientific Society under Department of Electronics and Information Technology, GoI)

10th Floor, Jeevan Prakash Building,
25, Kasturba Gandhi Marg, New Delhi-110 001

Dated: 26.11.2012

Pre-bid Meeting: 5.12.2012 at 3.00 PM

Due Date/ time: 20.12.2012 at 3.00 PM

Opening of Bids: 20.12.2012 at 3.30PM

**Reference: Advertisement appeared in Times of India dated
24.11.2012**

Subject : Tender for rate contract for procurement of user end routers

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 of 30 No. user end routers to ERNET India during the currency of two years from the date of first purchase order. Technical specifications are provided as per Annexure-1. Tender fee and EMD to be paid as per Para 17 of this tender document. However, the bidders are required to provide after sale /AMC services on all India basis at the respective customer sites.

The following instructions should be carefully noted:

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. **The bids received without authorization against the tender enquiry will liable to be rejected.**

2. A pre-bid meeting is scheduled to be held on 5.12.2012 at 3.00 PM in ERNET India in Jeevan Prakash Building (10th floor), KG Marg, New Delhi-110 001. All the prospective bidders are requested to submit their queries to the undersigned by hand only by 3rd December, 2012. 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 by 10th December, 2012. Accordingly, all the bidders are advised to refer ERNET's website on 10th December, 2012 evening and also before submission of their bid on the due date for any updation.

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 of User end Routers for ERNET India”

“Due Date: 20.12.2012 at 3.00 PM

Opening of Bids: 20.12.2012 at 3.30PM

5. The Bids must reach the undersigned on or before the due date, i.e. 20.12.2012. 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 routers is provided as per Annexure-I and Price Bid format as per Annexure – II.

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

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

10 Incomplete Bids are liable to be rejected.

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

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

13. Bidder should quote for all the items.

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

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

16. Bidders are required to quote for AMC (on all India basis) for the routers for 3 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.

17. Tender Fee and Earnest Money Deposit

(i) All the interested bidders may purchase the tender document from Shri Gulshan Kumar, Deputy Director, ERNET India against tender fee of Rs.2000/- in the form of Demand Draft/ Banker's cheque. Alternatively, the bidders may download the tender document from ERNET India's 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 a demand draft in favour 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.

i) Each quotation must be accompanied by Earnest Money Deposit of Rs.25,000/- (Rupees Twenty five thousand only) in the form of Demand Draft/Pay Order/Bank Guarantee of any Nationalized Bank taken in the name of Chief Finance Officer, ERNET India, New Delhi. Bank Guarantee should be valid minimum for a period of 180 days from due date of the quotation. **Quotations 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.

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

19. ELIGIBILITY CRITERIA:

- a) The bidder should have positive net worth in the last three years.
- b) The bidder should have supplied minimum of 50 Routers of the same make and model in last 3 years. Copy of the Purchase order must be enclosed.
- c) Bidder should have repairing centre in India for repairing of the equipment in the country.

20. PAYMENT TERMS:

90% payments shall be made against delivery and acceptance of the routers. Balance 10% payment shall be made after warranty period of one year. However, 100% payment may be considered against submission of Bank Guarantee of 10% of the cost of routers supplied, valid for the duration of warranty period.

21. Delivery Period:

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

22. 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 not 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.

23. Liquidated Damage:

The successful bidder will supply the equipment within 4 weeks from the date of the PO, 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).

Yours faithfully,



(Dinesh Kumar Dixit)
Registrar & CPO

TECHNICAL SPECIFICATIONS ROUTER FOR THE USER ENDS:

The router should have the following specifications

1.

1.1. Interfaces

- 1.1.1. At least 2x 10/100Mbps Ethernet WAN port
- 1.1.2. At least 2x 10/100Mbps Ethernet LAN ports
- 1.1.3. Should support at least 1 expansion slot be used to interface at least one no of Serial card with one V.35 Interface.

1.2. Security

- 1.2.1. Should be able to do IP Filtering
- 1.2.2. Should support IEEE 802.1x standard.
- 1.2.3. Authentication: RADIUS, MD5, VPN/Encryptions
- 1.2.4. Should have NAT features.
- 1.2.5. Should have VPN, IPSec features
- 1.2.6. Encryption: DES, 3DES, AES

1.3 Layer 2 Features

- 1.2.7. Shall support VLAN in accordance with IEEE 802.1Q
- 1.2.8. Support minimum of 2k of VLANs ID
- 1.2.9. Shall support upto 60 VLANs
- 1.2.10. Supports Spanning tree on Bridge Ports

1.3. QoS

- 1.3.1. Shall support traffic classification based on
 - 1.3.1.1. source/destination MAC address
 - 1.3.1.2. VLAN ID
 - 1.3.1.3. source/destination IP address
 - 1.3.1.4. network protocol (e.g. IP)
 - 1.3.1.5. the IP protocol of the packet (e.g. TCP, UDP, GRE)
 - 1.3.1.6. The higher-layer protocol of the packet (e.g. HTTP, FTP, TFTP, SMTP)
 - 1.3.1.7. Shall support following the followings.
 - Priority Queuing
 - Shall support virtual bandwidth mechanism to limit total bandwidth
 - Shall support configuration of dynamic classifiers to dynamically monitor the type of traffic and apply QoS treatment accordingly.

1.4 Features

- 1.4.1 Shall support flash memory capable enough to store at least two software releases.
- 1.4.2 Router OS should have option to store multiple config files & activate any one of them at any time, automatically or manually.

1.5 Performance:

1.5.1 The router should have a backplane bandwidth to support throughput above 75 Mbps.

1.5.2 The router should have packet processing rate of at least 150000 packets per second.

1.6 Load Balancing

- 1.6.1 Shall support WAN load balancing

1.7 Protocols

The router should support the followings:

- 1.7.1 RIPv1 and v2
- 1.7.2 OSPFv1 and v2
- 1.7.3 GRE, L2TP
- 1.7.4 BGP-4
- 1.7.5 IPv6
- 1.7.6 RIPng
- 1.7.7 IPv6 RFC 2460
- 1.7.8 Neighbour discovery RFC 2461
- 1.7.9 Stateless address auto configuration RFC 2462
- 1.7.10 ICMPv6 RFC 2463
- 1.7.11 Transmission of IPv6 packets RFC 2464
- 1.7.12 Connection of IPv6 domains via IPv4 clouds RFC 3056
- 1.7.13 DHCPv6
- 1.7.14 Should support IPv6 Multicast

1.8 Environmental

- 1.8.1 Operating Temp: 0°C to 40°C
- 1.8.2 Storage Temp: -25°C to 70°C
- 1.8.3 Relative humidity: 5 to 95% non-condensing

2.1 Manageability

- 2.1.1 Web based GUI
- 2.1.2 CLI management
- 2.1.3 SNMPv3

2.2 Power Characteristics

- 2.2.1 Input Voltage: 100-240 VAC, 50-60 Hz

Annexure-2

FORMAT OF THE COMMERCIAL BIDS

Sl No	Items	Qty	Unit Price	Total Prices (in Rs.)
1.	Router with the specifications given in Annexure-1	30Nos		
2.	Taxes applicable for Sl.No. 1 above	30 Nos.		
3.	Serial port card along with cable with V.35 Interface	30Nos.		
4	Taxes applicable for Sl.No.3 above	30 Nos.		
5	AMC of the Routers(30 Nos of routers) for 1 year.	3 years For 30 Nos	(per Router per annum basis)	
6	Taxes applicable for Sl.No. 5 above			
7	AMC of the Serial Port card for 1 year.	3 years For 30 Nos	(per Serial Port per annum basis)	
8	Taxes applicable for item in Serial No. 7 above			

Grand Total

1. The quantity of the routers are for Rate Contract for two years and actual order will be placed as per requirement.
2. The quantity indicated for the Serial Port Card will also be for Rate Contract and actual order will be placed based on requirement of the Serial port cards.
3. Evaluation of the tender will be made strictly as per above format.

Please note:

- i) **AMC order will be placed annually and nos. of the routers to be placed for AMC will depend on actual nos of router to be maintained.**
- ii) **The routers are to be maintained at the user site on all India basis.**

