ERNET India
(An Autonomous Scientific Society under Department of Electronics &
Information Technology, GoI)
10th Floor, Jeevan Prakash Building,
25, K.G. Marg,
New Delhi – 110 001.

No. EI-D/GA/1-29/2013
Dated : 12.07.2013
Issue of tender document : 12.07.2013 to 18.07.2013
Receipt of queries :22.07.2013
Pre bid meeting:24.07.2013
ERNET's response to queries of bidders : 26.07.2013
Due date for submission of bids :06.08.2013 at 3.00 PM
Opening of bids: 06.08.2013 3.30 PM

To

Subject: Tender for Supply & Installation of Mid-range Servers & Ethernet Switches for ERNET India, New Delhi.

Sir,

     ERNET India, an Autonomous Scientific Society under Department of Electronics & 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.   Sealed tenders are, invited from the reputed manufacturers or their authorized representatives for Supply and Installation of Mid-range servers and Ethernet Switches to set-up monitoring systems for ISP environment at different POPs of ERNET India. The ERNET POPs where these equipments are to be supplied are

    i)   ERNET PoP at New Delhi,
    ii)   ERNET PoP at CDAC Mumbai
    iii)   ERNET PoP at IISc Bangalore,
    iv)   ERNET PoP at STPI Bangalore,
    v)   ERNET PoP at VECC Kolkata,
    vi)   ERNET PoP at IIT Guwahati
    vii)   ERNET PoP at IUCAA Pune.

The ERNET POP address and contact persons will be provided along with purchase order

4.   The bidders will submit technical bids along with complete Bill of Materials and make and model no. of each item to be used for the solutions offered by them.

5.   ERNET India has prepared bill of material and is given in Annexure-1. The items should be delivered at respective sites as per detail given in Annexure-1.
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 authority from the manufacturer/distributor must be submitted along with the bid. **The bids received without authority will liable to be rejected.**

2.   Quotations should be submitted in two separate sealed covers. First cover indicating, **"COVER FOR TECHNICAL SPECIFICATION"** should consist of only technical specification of the system offered along with literature, pamphlets, etc. including detailed Bill of materials and network diagrams for the proposed solutions. Technical Bid should contain complete technical specifications, make and model of the items, and commercial terms etc. of the system offered. Price column in this cover should be kept blank. Second cover indicating, **"COVER FOR PRICE BID"** should consist the same details of first cover as well as price details also. **Both the covers should first be sealed separately**, and then both the covers should be kept **in a single sealed bigger cover.** This cover addressed by name to the officer signing this enquiry should be submitted before due date and time.

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

4.   Envelope should bear the inscription.

   "Quotation for Supply & Installation of Mid-range Servers   & Ethernet Switches for ERNET India , New Delhi"
   No. EI-D/GA/1-29/2013
   Due Date : 06.08.2013 at 3.00 PM
   Opening of Bids : 06.08.2013 (3.30 PM)

5.   The Bids must reach the undersigned on or before the due date, i.e., on **06.08.2013** Time **by 3.00 p.m**. 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.   The rates should be quoted in Indian Rupees for delivery at the premises users of ERNET India. All prices shall be fixed and shall not be subject to escalation of any description. The rates must be quoted as per the bill of materials provided in **Annexure-I.** Price comparison will be made as per bill of material specified in **Annexure – I.**

7.   As per requirement of monitoring software servers of OEM HP or IBM or DELL are to be quoted. The technical specifications of the items to be supplied are enclosed in Annexure-II.

8.   The bidder will ensure the co-ordination for the installation and supply of the equipments.

9.   Govt. Levies like sales tax, octroi, WCT etc., if any, shall be paid at actual rates applicable on the date of delivery. Rates should be quoted accordingly giving the basic price, Sales Tax etc., if any.

10. It may specifically be mentioned whether the quotation is strictly as per tender specifications/conditions. If not, deviations must be spelt out specifically. **In the absence of this, the quotation may be rejected.**

11. The bidder must be registered company in India and registration number of the firm along with the LST/CST/WCT No. allotted by the concerned authorities must be submitted in the technical bid.

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

13. The bidders should quote the products strictly as per the tendered specifications giving models, make and exact specifications. All the technical literature for the products offered by the bidder may be enclosed in the bid. **Quotations with incomplete technical details shall be rejected.**

14. **Incomplete quotations are liable to be rejected.**

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

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

17. Bidder should quote for all the items.

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

19. Any attempt of negotiation directly or indirectly on the part of the tenderer with the authority to whom he has submitted the tender or authority who is competent finally to accept it after he has submitted his tender or any endeavor to secure any interest for an actual or prospective bidder or to influence by any means the acceptance of a particular tender will render the tender liable to be excluded from consideration.

20. The bidder will have to arrange for all the testing equipment and tools required for installation, testing, maintenance etc.

21. ERNET will have the right to reject the components / equipment supplied if it does not comply with the specifications at any point of installation / inspection.

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

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 will declare and submit that ERNET India will have no license related issues after installation of the products being supplied.

25. **INSPECTION**

ERNET India or its representative shall have the right to inspect or to test the items to confirm their conformity to the ordered specifications. The supplier shall provide all reasonable facilities and assistance to the inspector at no charge to ERNET India. In case any inspected or tested goods fail to conform to the specifications, ERNET India

may reject them and supplier shall either replace the rejected goods or make all alterations necessary to meet specification required, free of cost to ERNET India.

26. **EARNEST MONEY DEPOSIT/ Tender Fee**

a) Each quotation must be accompanied by Earnest Money Deposit of **Rs1,50,000/- (Rupees One Lakh Fifty 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. **Quotations received without Earnest Money Deposit are liable to be rejected.**

b) **The bidder should enclosed the Tender fee of Rs. 2000/ in the form of DD in favour of "ERNET India" alongwith the bid.**

c) 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.

d) 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.

e) The Earnest Money of successful bidder shall be returned after delivery & installation of equipments.

27. **WARRANTY / AMC**

a) Warranty shall include free maintenance of the whole equipment supplied including free replacement of parts and free software upgrades. The defects if any, shall be attended to, on immediate basis but in no case any defect should prolong for more than 24 hours. The Comprehensive Warranty shall be for a minimum period of three years from the date of acceptance of the equipment by ERNET India. The bidders are also required to quote for Comprehensive maintenance including all Hardware's and Software's for 2 years after warranty period is over. The bids received without quotes for Comprehensive Maintenance would be out rightly rejected.

b) However work order for Comprehensive Maintenance of the items, if required, will be issued after satisfactory completion of warranty period.

c) The bidder shall ensure supply of the spare parts, for at least a period of 5 years from the date of supply of equipments (on payment on approved price list basis if not under AMC).

d) The bidder must have local logistics support, by maintaining a local spares depot in the country of deployment of the equipment. This is to ensure immediate delivery of spare parts from the principal vendor of equipment to its channel partners / system integrators.

28. **DELIVERY PERIOD**

The bidder will ensure to supply and installation and commissioning of the items as per the purchase order within 6 weeks after placing of purchase order.

Any delay by the supplier in the delivery and installation, shall render the bidder liable to forfeiture of its Earnest Money Deposit, imposition of liquidated damage as per para 29 below or cancellation of the purchase order for default.

The bidder will have to make payment for Octroi and other taxes for dispatching the materials to respective ERNET POPs.

29. **LIQUIDATED DAMAGES**

    If the bidder fails to delivery any or all of the goods or complete the installation within the period specified in the purchase order, ERENT India shall without prejudice to its other remedies, deduct as liquidated damage 1 per cent of the price of the delayed goods for every week or part thereof.

30. Rates quoted by the bidder shall be final and no negotiation will be held.

31. **PAYMENTS TERMS:**

    90% payments for the items supplied as per the purchase order will be released only after supply, installation and commissioning/ acceptance of the items. Remaining 10% of payments will be released after the warranty period of 1 year after the installation. However, ERNET may consider for release of 100% payments against submission of Bank Guarantee equivalent to 10% of the total amount of Purchase order.

32. Cost comparison will be made strictly as per Bill of Material detailed in Annexure-I.

33. <u>**ELIGIBILITY CRITERIA:**</u>

    a) The bidder must be a reputed manufacturer or his authorized representative of the type of product(s) offered. The authorization against the tender enquiry from the manufacturer/distributor must be submitted along with the bid. In the letter, OEM should give an 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.Letter from OEM should be enclosed in support of this requirement.
    b) The bidder shall have an average turnover of above Rs. 1 crores/year in the last three financial years. The certificate from C.A must be enclosed.
    c) The bidder must have either their own regional offices or the regional office of their partner in the city where ERNET PoP's are located to support the equipment being supplied to different POPs of ERNET India.
    The documentary proof regarding the agreement (on non-judicial stamp paper) with the partner must be provided. The bids without documentary proof shall not be considered. In such cases the prime responsibility to meet the support obligations as per the tender requirement will be on the bidder.
    d) The bidder should have executed (supplied and installed successfully) at least three nos of same types of orders(each order for a minimum of Rs. 30 lakhs) to any State government/Central government/Public sector organizations/Autonomous government organizations. The documentary proof for the same must be enclosed.
    e) The bids received without documentary proofs / supporting documents will liable to be rejected.

Yours faithfully,

(Dinesh Kumar Dixit)
Registrar & CPO

Annexure - I

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

To,

The Registrar & CPO,
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.	Description of the items.	Qty.	Unit Price (In Rs.)	Total Price (In Rs.)
1	Servers and RHEL as per specifications given in Annexure – II. The servers from OEMs (HP, IBM or DELL) are to be quoted. (2 Nos. of servers for each sites)	14 Nos.		
2	Ethernet Switches as per specifications given in Annexure - II	7 Nos.		
3	4 Port KVM Switch, Keyboard, Mouse, 15" TFT rack mountable foldable monitor (1 no each of KVM Switch, Keyboard, Mouse, monitor at each site)	7 Nos.		
4	42U OEM Server rack as per specifications given in Annexure – II	7 Nos.		
5	Red Hat Enterprise Linux 6.4 (64 bit) with 3 years Warranty. (To be supplied installed and configured)	7 Nos.		
6	AMC Charges for the items 1 - 3 (Items wise on per year basis)	2 years		
7	Any Other charges applicable			
8	Grand Total			

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

Technical Specifications of the Ethernet Switches, Mid-range Servers and racks

Specifications: Ethernet Switch

(OEM: Extreme Networks)

S.No.	Specifications
A	**FunctionalRequirements**
1.	1U Rack Mountable switch
2.	230V–50Hzpowersupply
3.	• 24x10/100/1000Mbps RJ45 Ethernetports • 4x 1000Base-SX up link ports • Non-blocking, wire-speed L2/L3 Switching performance for all ports
4.	VLANs:Multiple VLAN with Inter VLANRouting.
5.	VLAN support for • 802.1Q tag-based VLANs and trunking • Protocol-based VLAN • Management VLAN • No. of VLANs 4000
6.	IEEE802.3adLinkAggregationControlProtocol(LACP)
7.	Automaticmedia dependentinterfacecrossover(MDIX)
8.	Basic static and Routing Information Protocol (RIP) routing functions
9.	QoS intelligence to prioritize delay-sensitive and high-bandwidth network traffic
10.	Spanning Tree Protocol • IEEE 802.1D Spanning Tree • IEEE 802.1w /s Rapid Spanning Tree, Multiple Spanning Tree
11.	802.1pclassofservice(CoS)anddifferentiatedservices codepoint(DSCP)
12.	SupportforIPv6switchinginhardware
B	**SecurityFeatures**
13.	IEEE802.1xdynamic port basedand Access control (ACL)based security
14.	SecureShell(SSHv2)ProtocolandSimple NetworkManagementProtocolversion3(SNMPv3),Web based (HTTP/HTTPS) managementinterface
15.	Denial-of-service (DoS) attack prevention
16.	**LinkAggregation** • Link aggregation trunking of up to 8 links on a single logical connection • Load balancing of traffic across all the links based on multiple L3-L4 Criteria (IPv4 & IPv6) such as SourceIP+DestinationIP+SourcePort+Destination Port, hashing or any custom algorithm. • Ability to evaluate IP address information from the inner header of an IP-in-IP or GRE tunnel packet. • Load Balancing of MPLS traffic based on labels and the source and destination IP address. **Port Mirroring** • Many-to-one, one-to-many and many-to-many port mirroring.

	• Port mirroring across switches in a stack. • Port mirroring to logical port (destination) of 8 aggregated links. • Ports should be able to support and receive the traffic from passive TAPs and mirrored ports of other switches.
17.	TACACS+andRADIUSauthentication
18.	SupportforJumboframes(9216bytes)

Specifications - Mid-range servers

(OEMs: HP or IBM or DELL)

S.No.	Specification	Details
1.	Processor	2X Intel® Xeon® Processor E5-2650 (20M Cache, 2.00 GHz, 8.00 GT/s Intel QPI)
2.	Memory	32 GB, DDRIII,1600MHz expandable to 64 GB
3.	Internal Storage	**Min** 4x500GB SFF Disks 10K RPM
4.	Hard disk Controller	SAS RAID Controller (RAID 5/6) with 512 MB BBWC
5.	Optical Drive	DVDROM
6.	PCI Slots	A minimum of 2 nos. of PCI-Express 3.0 (including one PCIe x16) slots
7.	Graphics	Integrated SVGA graphics interface
8.	Network Interface	4 nos. of Gigabit Ethernet ports (10/100/1000 Mbps) with full duplex/ Wake on LAN/PXE 2.0 /Ethernet Bonding with Load balancing and Failover
9.	I/O Ports	Minimum 5xUSB ports
10.	Power Supply	Hot Plug AC 230V/50Hz, Redundant Power supply
11.	Chassis	Rack Mountable with accessories
12.	Management	Integrated Remote Management controller (enabled). Remote management solution should support ssh, http/httpsprotocols
13.	Supported OS	(i)Red Hat® Linux® Enterprise v6 (64bit) Advanced Platform & other popular distributions of Linux (ii) Popular distributions of Windows.
14.	OS to be Supplied	Red Hat Enterprise Linux 6.4 (64 bit) to be supplied installed and configured.
15.	Warranty	3 Years, On-site

Common Items required per site:-

1. Keyboard, Mouse, 15" TFT Monitor
2. KVM switch to support up to 4 Servers
3. 42 U OEM Server rack to mount servers , KVM Switch, Ethernet Switch, Single Monitor, Keyboard and Mouse with dual PDU and MCB protection. Evenly distributed holes from top to bottom of front and rear doors to permit adequate airflow (equivalent to the required 64 percent open area for ventilation).

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