

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

No. EI-D/GA/1-57/2011
 Dated : 23rd January' 2012
 Pre-Bid Meeting : 6th February' 2012 Time 11:00 A.M.
 Due Date : . 17th February' 2012 Time 3.00 P.M.
 Opening of Bids : 17th February' 2012 Time 3.30 P.M.

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 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/1-57/2011
 Pre Bid Meeting : 6th February’ 2012 at 11:00 A.M.
 Due Date : . 17th February’ 2012 at 3:00 P.M.
 Opening of Bids : 17th February’ 2012 Time 3.30 P.M.
5. A pre bid meeting will be held on 06.02.2012 at 10th Floor, Jeevan Prakash Building, 25, K.G. Marg, New Delhi – 110 001. All the prospective bidders may kindly attend the pre bid meeting.
6. The Bids must reach the undersigned on or before the due date, i.e., on **17th February’ 2012 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.
7. 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.**
8. As per requirement of monitoring software servers of OEM like HP and IBM are to be quoted. The technical specifications of the items to be supplied are enclosed in Annexure-II.
9. The bidder will ensure the co-ordination for the installation and supply of the equipments.
10. 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.

11. 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.**
12. 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.
13. ERNET India reserves the right to accept or reject any bid or cancel the tender proceedings without assigning any reason whatsoever.
14. 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.**
15. **Incomplete quotations are liable to be rejected.**
16. Bidder shall sign all pages of quotation and drawings forwarded with the quotation.
17. In case of any discrepancy between rates mentioned in figures and words, the latter shall prevail.
18. Bidder should quote for all the items.
19. ERNET India may waive any minor deviations or may seek any clarification, if so desired.
20. 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.
21. The bidder will have to arrange for all the testing equipment and tools required for installation, testing, maintenance etc.
22. 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.
23. The bidder should give clause-by-clause compliance for the technical specification of the equipments in their technical bids.
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

- 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 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.**
- b) 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.
- c) 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.
- d) 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. However, comprehensive Maintenance costs for the links for 2 years will be considered for evaluating the tender.
- 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 and installation 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 10% payments mentioned above, against Bank Guarantee provided.

32. ELIGIBILITY CRITERIA:

- a) The equipments being quoted should not be at end of life in next one year and it should be supported 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.
- c) The bidders must have regional offices to support the equipment being supplied to different POPs of ERNET India.
- 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.

Yours faithfully,

(Gulshan Kumar)
Deputy Director

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 OEM like HP and IBM 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	Racks	7 Nos.		
5	AMC Charges for the items 1 - 3 (items wise on per year basis)	2 years		
6	Any Other charges applicable			
7	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 _____ 2012

Annexure - II

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

Specifications: Ethernet Switch

S. No.	Specifications
A	Functional Requirements
1.	1 U Rack Mountable switch
2.	230 V – 50Hz power supply
3.	24 x10/100/1000 Mbps RJ45 Ethernet ports 4x 1000Base-SX up link ports
4.	Minimum Switching capacity 24 Gbps and Minimum forwarding rate 10 Mpps.
5.	VLANs: Multiple VLAN with Inter VLAN Routing
6.	VLAN support for 802.1Q tag-based VLANs and trunking Protocol-based VLAN Management VLAN
7.	IEEE802.3ad Link Aggregation Control Protocol (LACP)
8.	Automatic media dependent interface crossover (MDIX)
9.	Basic static and Routing Information Protocol (RIP) routing functions
10.	QoS intelligence to prioritize delay-sensitive and high-bandwidth network traffic
11.	Spanning Tree Protocol IEEE 802.1D Spanning Tree IEEE 802.1w /s Rapid Spanning Tree, Multiple Spanning Tree
12.	802.1p class of service (CoS) and differentiated service code point (DSCP)
13.	Support for IPv6 switching in hardware
B	Security Features
14.	IEEE 802.1x dynamic port based and Access control (ACL) based security
15.	Secure Shell (SSHv2) Protocol and Simple Network Management Protocol version 3 (SNMPv3), Web based (HTTP/HTTPS) management interface
16.	Denial-of-service (DoS) attack prevention
17.	Port mirroring sessions (local or remote) should allow the monitoring of traffic (both received and sent) on multiple ports, or multiple VLANs, and send the monitored traffic to multiple destination ports. Support for mirroring of ports on remote switches to destination port on any other switch with in a network (remote mirroring) Switch should be compatible with other Gigabit switches form all major vendors
18.	TACACS+ and RADIUS authentication
19.	Support for Jumbo frames (9216 bytes)

Specifications: Servers

S.No.	Specification	Details
1.	Processor	2xQuad Core Intel Xeon Processors 5600 series: X5650, 2.66 GHz, 12MB cache
2.	Chipset	Intel 5520 Chipset
3.	Memory	32 GB, DDR III, expandable 128 GB
4.	Internal Storage	Min 4x500GB SFF SAS Disks
5.	Hard disk Controller	SAS RAID Controller (RAID 5/6) with 512 MB BBWC
6.	Optical Drive	DVDROM
7.	Graphics	Integrated SVGA graphics interface
8.	Network Interface	2xGigabit Ethernet NIC (10/100/1000 Mbps)
9.	I/O Ports	Minimum 5xUSB2.0, Keyboard, Optical Mouse
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 SSL Encryption of HTTP traffic
13.	Supported OS	Red Hat ® Enterprise v6 (64bit) Advanced Platform, VMWARE, Xen Server
14.	OS to be Supplied	Red Hat Linux Enterprise v6 (64bit) Advanced Platform
15.	Warranty	3 Years, On-site

Specifications: Racks

44 U (usable space of 42U) Rack –

S. No.	Item	Required Specifications
1.	Make	Must be specified
2.	Model	Must be specified
3.	Rack Type	Floor Standing
4.	Cabinet type	Powder coated
5.	Rack Frame	Aluminium Extrusion or Aluminum-MS combination
6.	Rack width	Suitable for 19' rack mount equipment
7.	Rack Height	44 U (usable 42U)
8.	Rack Depth	1000 mm
9.	Front Door	Ventilated steel door with lock
10.	Rear Door	Ventilated steel door with lock
11.	Side Panels	Ventilated side panels
12.	Top and bottom cover	Ventilated top and bottom cover with cable entry facility
13.	Cable Manager	<ul style="list-style-type: none"> • 2 x Vertical Cable Managers • One Horizontable Cable Manager
14.	Fan trays	Fan tray with 4 cooling fans at the top of rack (bottom cooling)
15.	Power Distribution Unit	Two Vertical power distribution units with 15 x 5 AMP sockets, indicative main switch and fuse/breaker for overload protection.
16.	Castor Wheels	Castor wheels with locking facility
17.	Load bearing capacity	Minimum 500 Kg
18.	Earth Continuity Kit	Must be included in offer
19.	Certification	Should conform to DIN 41494 and industry standards practices
20.	Support Tray	2 support tray
21.	Screws	Sufficient no of screws for fixing equipments
22.	Color	Black
