

No. EI-B/Tech/1-1/2013

**ERNET India**

(An Autonomous Scientific Society under Department of Electronics & Information Technology, GoI)  
Jeevan Prakash Building, 10<sup>th</sup> Floor,  
25, K.G Marg,  
New Delhi-110 001

Reference advertisement appeared in Times of India dated 16.5.2013 regarding requirement of various Hardware and Software equipments to be procured for various schools.

2. In this regard a tender document titled 'Purchase of Hardware and Software for Cloud Project – Virtual Scalable Educational Services for Schools (VSESS)' is attached herewith.

3. All the prospective bidders may please submit their bids in conformity with the tender document. Pre-bid meeting is scheduled to be held on 31.5.2013, as per details in the tender document.



(Dinesh Kumar Dixit)  
Registrar & CPO  
011-23765376, 23753984

All the prospective bidders

# Tender Document

**Tender No: EI-B/Tech/1-1/2013**

**Dated: 16.05.2013**

**Subject: Purchase of Hardware and Software for Cloud Project – Virtual Scalable Educational Services for Schools (VSESS)**



**ERNET India**

**An Autonomous scientific Society under Department of Electronics and Information Technology, Ministry of communications and Information Technology, Government of India**

**Address: No. 397, 13th Cross, Sadashvinagar, Bengaluru - 560080**

**Tele-Fax: 080-23617532**

## 1. BACKGROUND

ERNET India, an Autonomous Scientific Society under Department of Electronics and Information Technology, Govt. of India, is a nodal network providing Internet and Intranet connectivity and other value added services to academic and research institutions in the country. It has set up a backbone connecting all metro cities with 15 PoPs across the country. ERNET also provides VSAT services all over the country. The emphasis of ERNET India is to widen its network and provide value added services through intranet/internet to all education and research institutes in the country.

ERNET India has been serving institutions in various sectors, namely, health, agriculture, higher education, schools and science & technology. It has been facilitating internet access, hosting contents and providing turn-key ICT solutions to these institutions. Committed to advancing the networking technologies ERNET India has setup regional centers in Bangalore and Chennai for executing R & D projects. The regional centers have been focusing on high-end research and development projects in the domain of Cloud Computing, IPv6, Mobile Networking, Sensor networks, future internet research etc.

## 2. Invitation to Bidders

ERNET India invites sealed bids in two bid format (Technical bid and Commercial bid) from eligible and experienced OEM or Authorized System Integrator/Channel Partners / Resellers of such OEMs for supply, installation and support of hardware/software; Servers, Storage, Racks, Workstations, Laptops, Manageable Switch, Virtualization and other software's.

1.	Price of Tender Document	Rs. 2000/- (Rupees Two thousand only)
2.	EMD Amount	Rs. 5,00,000/-(Rupees Five Lakh only)
3.	Date of Issue of Tender Document	16.05.2013 to 22.05.2013
4.	Pre-Bid Queries to be Sent to (only by post/hand/courier)	ERNET India, No. 397, 13 <sup>th</sup> Cross, Sadashiv Nagar, Bengaluru 560080
5.	Last Date for Receipt of Pre-bid Queries	28.05.2013
6.	Place, Date and Time of Pre-bid Meeting	<b>Place:</b> ERNET India, No. 397, 13 <sup>th</sup> Cross, Sadashiv Nagar, Bengaluru 560080 <b>Date &amp; Time:</b> 31.05.2013; 14:30 hrs.
7.	Date for Issue of ERNET's response to the queries of the bidders on ERNET's website	04.06.2013
8.	Last Date and Time for Receipt of Bids	14.06.2013 at 11:00 AM
9.	Place for Submission and Opening of Bids	<b>Place:</b> ERNET India, No. 397, 13 <sup>th</sup> Cross, Sadashiv Nagar, Bengaluru – 560080 <b>Date and Time:</b> 14.06.2013 up to 11.00 AM
10	Address for Communication	ERNET India, No. 397, 13 <sup>th</sup> Cross, Sadashiv Nagar, Bengaluru – 560080
11	Tele-Fax	080 23617532

\*Tender document can also be downloaded from ERNET's website ([www.eis.ernet.in](http://www.eis.ernet.in))

\*\* In case of any change in the tender dates, the same will be published on ERNET's website. Accordingly, the prospective bidders may refer ERNET's website before submission of their bids.

### 3. Project Brief

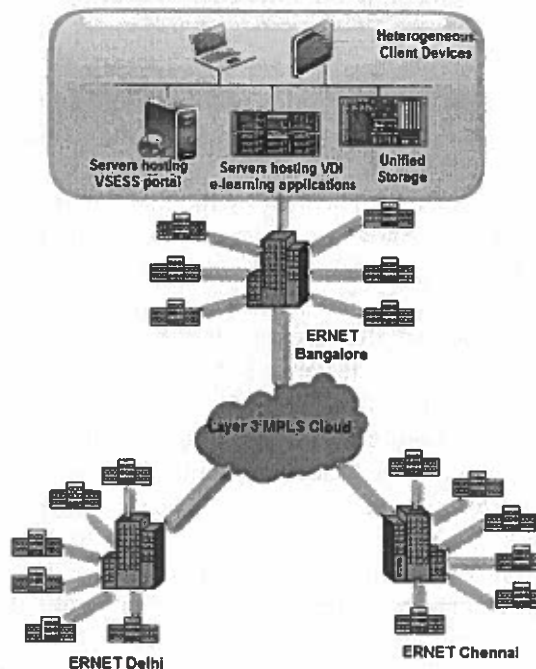
ERNET India is executing an R & D project – “Virtual Scalable Educational Services for Schools” funded by Department of Electronics and Information Technology, Government of India.

As part of the project, about 18 Kendriya Vidyalaya schools in Delhi, Bengaluru and Chennai have been connected on MPLS cloud for accessing educational cloud services hosted at ERNET centers in Bengaluru and Chennai

During the first phase, for executing the proof-of-concept activities ERNET India intends to procure hardware and software’s for its regional centers at Bengaluru and Chennai. The regional centers will host VDI’s, e-learning content and educational cloud services. The students of the identified schools will also be allowed to access the services hosted on cloud anytime-anywhere either through intranet or internet.

### 4. Scope of Work

- (i) Supply and installation of the hardware and software mentioned in bill of material in Annexure I. All the hardware/software has to be supplied and installed at ERNET India, Bengaluru and Chennai regional centers. The installation must be carried out as per the project requirements.
- (ii) The bidder must ensure end-to-end functionality and may have to carry out the desired tests from remote locations/KV schools and between ERNET regional centers at no cost
- (iii) ERNET India may modify the plan of deployment and the eligible bidder must co-ordinate with ERNET engineers for the necessary technical support. The proposed plan of deployment is shown below



### 5. General Tender Conditions

The bidders are advised to study the tender document carefully. Submission of bids shall be deemed to have been done after careful study with full understanding of its implications. Interested bidders

should submit their bids in compliance with the scope of work. The following instructions should be carefully noted:

- I. The bidders are required to bid for all the items detailed in the Bill of Material. Non-compliance to this would disqualify the bidder. Quotations not adhering to the specifications and terms and conditions will be out rightly rejected.
- II. The bidder must be a reputed manufacturer or its authorized representative of the type of product offered. In case of representatives, the authority from the manufacturer /distributor must be submitted. **The bids received without authorities are liable to be rejected.**
- III. Bidder is duty bound to observe all the laws, Rules, Regulations, Policies, Procedures and Guidelines of Government of India as in force from time-to-time
- IV. Quotations should be submitted in two separate sealed covers
  - a. First cover indicating "COVER FOR TECHNICAL BID":
    - i. It should consist of only technical specifications of the system offered along with literature, pamphlets, drawing etc. and the bill of material in Annexure I
    - ii. This cover should consist complete technical specifications, make, and model, names of supplier/manufacturer etc. for the bill of material in Annexure I
    - iii. The cover should must contain tender fee as per para (8) and Earnest Money Deposit (EMD) as per para (9) of this tender document
  - b. Second Cover indicating "COVER FOR PRICE BID":
    - i. It should consist the bill of material along with its price details as per the proforma in Annexure II
  - c. Both the covers should first be sealed separately, and then both the covers should be kept in a single sealed bigger cover. This cover must be addressed to the officer signing this enquiry and should be submitted before due date and time, as specified in the tender document. The envelope should bear the inscription  

**"Quotations for Purchase of Hardware and Software for Cloud Project – Virtual Scalable Educational Services for Schools (VSESS)"**  
**"Tender Enquiry No. : EI-B/Tech/1-1/2013"**  
**"Due Date & Time: 14.06.2013 ; 11:00 AM "**  
**"Due Date & Time" for Opening of Bids: 14.06.2013; 11:30"**
- V. Bidders are required to submit their bids by the due date/time detailed in this document to **ERNET India, No. 397, 13<sup>th</sup> Cross, Sadashiv Nagar, Bengaluru 560080**. Bids would be opened on the date and time specified in the this tender document
- VI. The Bids must reach to ERNET India Bengaluru as per addresses given above on or before the due date and time. 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. Bidders may kindly depute their representation to witness the bid opening process. Bids will be opened in the presence of representative of bidders present.
- VII. **The rates should be quoted only in Indian Rupees for free delivery and installation. The price quoted per unit in Annexure II should be inclusive of the 3 years comprehensive warranty as per para (15) of the tender document. All prices shall be fixed and shall not be subject to escalation of any description. The rates must be quoted as per the proforma provided in Annexure-II.**
- VIII. Government levies like sales tax, WCT, VAT etc. shall be paid at actual rates applicable on the date of delivery. Rates should be quoted accordingly giving the basic price, Taxes etc. if any
- IX. Charges towards Entry tax/Octroi etc. will be paid extra subject to actuals. Rates may be quoted without involving the component of Entry tax/Octroi
- X. The bidder should quote the products in strict compliance to the tendered specifications. Complete technical details along with make, model number, complete specification, pamphlets, and literature

- of the system highlighting the special features of their offer should be supplied along with the quotations
- XI. Bids should be valid for a minimum period of 180 days
  - XII. Quotations received without tender fee and EMD are liable to be rejected
  - XIII. All the terms & conditions mentioned by the bidder in the bid should be clear and self-explanatory. Any ambiguity in terms & conditions mentioned by the vendor will result in rejection of the bid. No clarification would be sought in terms and conditions after opening of Commercial Bids. ERNET India reserves the right to accept or reject any bid or cancel the tender proceedings without assigning any reason whatsoever.
  - XIV. Any attempt of negotiation direct or indirect on the part of the bidder 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.
  - XV. Equipment's must be supplied and installed at ERNET India Bengaluru and Chennai office. The final acceptance will be done only after successful demonstrations. All the expenses involved in shipping, delivery and installation of the equipment to the respective sites will be borne by the Bidder. All aspects of safe delivery shall be the exclusive responsibility of the Bidder. ERNET India will have the right to reject the component/equipment supplied; if it does not comply with the tender specifications at any point of time i.e. installation, inspections and subsequent usages
  - XVI. Commissioning & cabling of all supplied hardware equipment shall be done by the vendor. Required number of screws, bolts, cables to mount the quoted hardware
  - XVII. All the equipment's must be delivered to the sites without any damage. Any damage occurred during transport or during installation by the bidder is sole responsibility of the bidder and ERNET India under no condition accepts such goods.
  - XVIII. The equipment must be supported by the bidder's technical support engineers in Bangalore and Chennai regions certified by the OEM in India.

## 6. Payment

90% payment shall be made by ERNET India after delivery and satisfactory completion of installation, commissioning, testing and acceptance of the equipment as well as receipt of pre-receipted bill. The balance 10% payment would be released after expiry of the warranty period. However, release of 100% payment may be considered subject to satisfactory completion of installation, commissioning, testing and acceptance of the equipment and if the firm submits the Performance Bank Guarantee as per the format in **Annexure III** of the amount equivalent to 10% of the cost of the equipment drawn on any Indian Nationalized/ Scheduled Bank in favor of ERNET India, valid for the period of warranty as well as receipt of pre-receipted bill in triplicate.

## 7. Pre-Bid Meeting

The prospective bidders requiring any clarification about the contents detailed in the tender document may submit the queries **only in writing** to "ERNET India, No. 397, 13<sup>th</sup> Cross, Sadashiv Nagar Bengaluru 5600 80" by hand/post/courier latest by 28.05.2013. After which no query will be entertained for reply. Queries received by 28.05.2013 will be deliberated in a Pre-bid meeting scheduled to be held in ERNET Bengaluru on 31.05.2013 at 11.00AM. Response of ERNET to the queries received and deliberated during pre-bid meeting will be uploaded on ERNET website [www.eis.ernet.in](http://www.eis.ernet.in) on 04.06.2013. The prospective bidders requiring clarification must give their mail address and telephone (landline and Mobile) Nos. to enable ERNET India to contact or convey the bidders, if required. Bidders must refer ERNET India website before submission of their bids for any update uploaded by ERNET India, to enable them to comply the additional information/ updates.

## **8. Tender Fee:**

The Tender document can be purchased against a demand draft or banker's cheque of Rs.2000/- drawn in favor of 'ERNET India' payable at New Delhi from ERNET India Bengaluru Office No. 397, 13<sup>th</sup> Cross, Sadashiv Nagar, Bengaluru-560080 Or from Shri Gulshan Kumar, Section Officer, ERNET India Delhi (10th floor - Jeevan Prakash Building, Kasturba Gandhi Marg, New Delhi-110 001) during 16.05.2013 to 22.05.2013(during 10.00 AM to 5.00 PM). The tender document can also be downloaded from <http://www.ernet.in/tenders.html>. In such case, an amount of Rs.2000/- in the form of Demand Draft/ Banker's cheque drawn in favor of ERNET India payable at New Delhi would be required to be furnished in the Technical Part of the Bids.

## **9. Earnest Money Deposit**

- (i) Bidders are required to submit an Earnest Money Deposit of **Rs. 5,00,000 (Rupees Five Lakh Only)**
- (ii) The EMDs shall be in the form of Demand Draft/Pay Order/Bank Guarantee drawn on any Indian Nationalized/ Scheduled Bank in favor of, ERNET India, New Delhi. Bank Guarantee should be valid minimum for a period of 180 days from due date (original) of the bid submission. **Quotations received without Tender Fee and Earnest Money Deposit is liable to be rejected.** Tender Fee and EMD must be placed in the technical part of the bid.
- (iii) Earnest Money is liable to be forfeited and bid is liable to be rejected, if the bidder withdraw or amends, impairs or derogates from the tender in any respect within the period of validity of the tender.
- (iv) The earnest money of all the unsuccessful Bidders will be returned as early as possible after the expiration of the period of the bid validity. No interest will be payable by ERNET India on the Earnest Money Deposit.
- (v) The Earnest Money of successful bidder shall be returned after acceptance of the material

## **10. Preliminary Scrutinity**

At the time of opening the tender, ERNET will scrutinize the offers to determine whether they are complete, whether any errors have been made, whether required technical documentation have been furnished, whether the documents have been properly signed.

ERNET India may, at its discretion, waive any minor informality or non-conformity or irregularity in an offer. ERNET India reserves right for such waivers.

## **11. Clarification on Bids Submitted**

To assist the scrutiny, evaluation and comparison of offers, ERNET India may, at its discretion, ask some or all vendors for clarification of their offer. Bidders are required to respond to all such queries.

## **12. Short-listing of Vendors**

ERNET India will short-list technically qualifying vendors and commercial offers of only those bidders will be opened.

## **13. Training**

The vendor should give training plan to ERNET India for imparting necessary training to ERNET engineers at Bengaluru and Chennai office at no additional cost on the hardware and VM platforms listed in bill of materials in Annexure I.

#### **14. 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.

#### **15. Warranty**

- (i) The comprehensive warranty shall be for a **period of 3 years** from the date of acceptance of the equipment by ERNET India. The comprehensive warranty includes on-site free maintenance of the whole equipment supplied including free replacement of parts. Accordingly, the rates must be quoted inclusive of comprehensive warranty of three years, in the format as per Annexure-II.
- (ii), The defect, if any shall be attended to on immediate basis but in no case any defect should prolong for more than 24 hours
- (iii) During on-site comprehensive warranty, if the maximum time to repair the system exceeds the above mentioned duration. Vendor would pay the penalty of Rs. 200/- (Rupees two hundred) per day or part of the day of delay.

#### **16. ELIGIBILITY CRITERIA**

Each page of the bid submitted must be numbered. The Bidder must meet all of the following eligibility requirements. Tenders of non-compliant Bidder will not be technically or commercially evaluated. Bidders must **attach the documentary support against each criteria and fill Annexure IV with the page numbers of the documents supporting the eligibility criteria mentioned below.** It would enable ERNET India for faster processing of the bids submitted

- i) The manufacturer/ OEM/bidder should be ISO certified company. Valid documentary proof should be enclosed.
- ii) In case of representative of reputed OEM, the authority from the manufacturer /distributor must be submitted for the Bill of material listed in Annexure I.
- iii) The bidder should be profit making company in last three years financial years (2009-10, 2010-11 and 2011-12).
- iv) The product offered should be a standard product available on the OEM website. Any customized solution offered exclusively against this tender will not be acceptable and will be rejected out rightly. Undertaking to this effect must be submitted
- v) The bidder should quote only one model /product for each item.
- vi) The OEM/manufacturer should have a minimum of 10 years' experience for supply and maintenance of systems quoted.
- vii) The bidders must enclose copies of three Purchase orders for supply/installation of similar products of similar volume; involving cloud computing or related projects involving high end computing and storage in last 5 years (2008 to 2012) and one of the three purchase orders submitted must be of the same OEM which is proposed in this tender; and also one of the installation must have been executed in India.
- viii) The bidder should attach relevant copies of execution and satisfactory work completion certificate from client for the purchase orders that are being submitted in case of eligibility criteria clause (vii) mentioned above.



- ix) The turnover of the Bidder for the last three years (2009-10, 2010-11 and 2011-12) should be a minimum of Rs.20.00 Cr. per year only from IT related hardware and software from India operations. The audited balance sheet or certificate from the Chartered Accountant should be submitted along with the bid in support of turnover.
- x) The Bidder should supply, install and support the systems directly at Bengaluru and Chennai locations. An undertaking with respect to the same has to be submitted
- xi) No deviations in the specifications of the items would be accepted. Quotations not adhering to the specifications and other requirement. Accordingly, the bidders must submit the compliance statement of all the terms & conditions of the tender document in the technical part of the bid.
- xii) Bidder must submit the tender document signed and sealed on each page
- xiii) It is mandatory for the Bidders to give clause-by-clause compliance for the technical specification of the equipment's in their technical bids
- xiv) Please give the Registration number of the firm along with the LST/CST/WCT No. allotted by the Sales Tax authorities in your quotation

#### **14. DELIVERY PERIOD**

- (i) The delivery and installation would be required within 4-6 weeks on placement of the purchase order. However, ERNET India has the right to reduce the delivery period from 4-6 weeks depending upon the requirement of the equipment's. Any delay by the supplier in the performance of delivery of items shall render the supplier liable to any or all of the following sanctions-forfeiture of its EMD, imposition of liquidated damage as per para 15 below or/and cancellation of the purchase order for default.
- (ii) Any delay in the supplies/installation would be reported to ERNET India and specific prior approval for delay with justification would be taken on case-to case basis.

#### **15. LIQUIDATED DAMAGES**

If the supplier fails to deliver any or all of the goods or complete the installation within the period specified in the purchase order, ERNET India shall without prejudice to its other remedies, deduct as liquidated damage **one per cent** of the price of the delayed goods for every week or part thereof subject to maximum of 10%. The amount towards Liquidated Damage would be recovered from any of the amount payable to the party.

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

Yours faithfully,

  
(Dinesh Kumar Dixit)  
Registrar & CPO

**Annexure I****Bill of Material to be supplied and installed at ERNET Bengaluru and Chennai Centre**

Item	Quantity	
	ERNET Bengaluru	ERNET Chennai
Servers	6	6
Unified Storage	1	1
Manageable L2 Ethernet Switch	2	2
42U rack	1	1
KVM over IP Switch	1	1
Workstations	12	12
Laptops	2	2

**Technical Specifications**➤ **Servers:**

OEM: \_\_\_\_\_ Model/Make: \_\_\_\_\_

S/No.	Feature	Specification	Compliance (Yes/No)	Remarks, if any
1.	<b>Form Factor</b>	19" Rack Mountable		
2.	<b>Processor</b>	Latest Generation Dual Socket mounted each with 8 cores or higher, 2.4 GHz speed or higher		
3.	<b>Network card</b>	At least 4 - Gigabit Ethernet (GbE) Ports		
4.	<b>Memory</b>	Minimum of 32 GB DDR3 1333 MHz or higher, scalable up to 256 GB		
5.	<b>Hard disk</b>	Minimum 2 x 1 TB NL-SAS/SAS Hot Swap HDD		
6.	<b>USB Ports</b>	At least 2 Free USB (2.0 or higher) ports		
7.	<b>Virtual CPU Features</b>	Should support Instruction set virtualization, memory management unit (MMU) virtualization, and Interrupt controller virtualization		
8.	<b>Hypervisor Support</b>	<i>Mandatory:</i> VMware ESX Server, Xen, Citrix Xenserver, Microsoft Hyper-V, KVM <i>Optional:</i> IBM's POWER Hypervisor (PR/SM), KVM is must		
9.	<b>Power Supply</b>	Redundant power supply units		

10.	Remote Management	Dedicated NIC Port to have remote management capability of Power ON/OFF & bare metal recovery		
11.	Optical Drive	16x or higher DVD ROM		

➤ **Unified Storage:**

OEM: \_\_\_\_\_ Model/Make: \_\_\_\_\_

S.No.	Feature	Specifications	Compliance (Yes/No)	Remarks (If any)
1	Form Factor	Rack-Mountable		
2	Processor	Quad Core processor or higher		
3	Memory	8 GB or higher cache per controller		
4	Storage controller	The system must have dual storage controllers. It should have Active-Active mode with Automatic fail over to each other in case of failure		
5	Storage	Minimum 8 X 2 TB NLSAS/SAS with RAID 5 Raw Capacity and up to 4 free additional slots for future expansion with at least one automated Hot spare should be configured		
6	RAID	Integrated dual RAID controller with RAID level 0,1,5,10		
7	Host Interface	Min. 4 Gigabit Ethernet (GbE) ports per controller and provision to support FC hosts for future requirement		
8	Replication	Storage array should be able to replicate the data to a DR location Synchronous and Asynchronous (with required software license, if any).		
9	Protocol Support	Should have TCP/IP(both IPv4 and IPv6), FTP, CIFS, HTTP, NFS and iSCSI support		
10	Software	Linux/Unix based operating system and file management software, must have inbuilt software to manage remotely over network		
11	Redundancy	Should be configured with redundant power supply and cooling		
12	Networking Support	These should have the capability for VLAN, Link aggregation, Ethernet trunking for higher availability and performance		

➤ **Manageable L2 Switch**

OEM: \_\_\_\_\_ Model/Make: \_\_\_\_\_

S.No.	Feature	Specification	Compliance (Yes/No)	Remarks (If any)
1.	<b>Form Factor</b>	1U Rack Mountable switch		
2.	<b>Ports and Standards</b>	24 – Gigabit Ethernet (GbE) ports(IEEE 802.3ab 1000BASE-T)		
3.	<b>Layer 2 Switching</b>	The Switch should support Active configurable VLANs, MAC based VLANS and Multicast VLANS, Support for active STP instance and support for Policy based switching. It should be IPv6 enabled		

➤ **42U Rack**

OEM: \_\_\_\_\_ Model/Make: \_\_\_\_\_

S.No.	Feature	Specification	Compliance (Yes/No)	Remarks (If any)
1.	<b>Rack Type</b>	Floor Standing		
2.	<b>Cabinet type</b>	Powder coated		
3.	<b>Rack Frame</b>	Aluminum Extrusion or Aluminum-MS combination		
4.	<b>Rack width</b>	Suitable for 19' rack mount equipment		
5.	<b>Usable Space</b>	42 U		
6.	<b>Rack Depth</b>	1200mm		
7.	<b>Front Door</b>	Perforated steel door with lock		
8.	<b>Rear Door</b>	Perforated steel door with lock		
9.	<b>Side Panels</b>	Perforated side panels		
10.	<b>Top and bottom cover</b>	Perforated top and bottom cover with cable entry facility		
11.	<b>Cable Manager</b>	2 - Vertical Cable Managers 2 - Horizontal Cable Manager		
12.	<b>Fan trays</b>	Fan tray with at least 4 cooling fans at the top of rack		

13.	<b>Power Distribution Unit</b>	Two vertical power distribution units each with 5 AMP sockets (Total thirty sockets), indicator with main switch and fuse/breaker for overload protection		
14.	<b>Castor Wheels</b>	Castor wheels with locking facility		
15.	<b>Load bearing capacity</b>	Minimum 500 Kg		
16.	<b>Certification</b>	Should conform to DIN 41494 and industry standards practices		
17.	<b>Support Tray</b>	2 support trays		

➤ **KVM-over-IP Switch**

OEM: \_\_\_\_\_ Model/Make: \_\_\_\_\_

S.No.	Feature	Specification	Compliance (Yes/No)	Remarks(If any)
1.	<b>Mounting</b>	19" Rack Mountable		
2.	<b>No. of Ports</b>	16		
3.	<b>Management</b>	KVM-over-IP based Remote Management with multi user access		
4.	<b>Security</b>	SSL v3, RSA, AES, HTTP/HTTPS		
5.	<b>Compatibility</b>	Must be compatible with all leading server OEM's		
6.	<b>Accessories</b>	All other required cables and connectors should be provided		
7.	<b>OS Support</b>	Windows/Linux		

➤ **Workstations**

OEM: \_\_\_\_\_ Model/Make: \_\_\_\_\_

S.No.	Feature	Specification	Compliance (Yes/No)	Remarks (If any)
1.	<b>Processor</b>	Latest generation quad core processor with minimum 2.4GHz clock speed,		
2.	<b>Monitor</b>	19" Square TFT Digital Color Monitor		
3.	<b>Memory</b>	At least 8 GB 1333 MHz DDR3 RAM		

4.	<b>HDD</b>	500 GB SATA or More		
5.	<b>Optical Drives</b>	16 x or higher DVD RW Drive		
6.	<b>Graphics</b>	Minimum 32MB pre-allocated for graphics and at least 1GB Graphics Card		
7.	<b>Ports</b>	Min. 4 free USB (2.0 or higher)		
8.	<b>Wireless</b>	1 - Wireless PCIe card with support for IEEE 802.11a/b/g/n (along with Antenna)		
9.	<b>Audio</b>	Integrated HD Audio with Codec support		
10.	<b>Network interface</b>	At least 2 - Gigabit Ethernet (GbE) Ports		
11.	<b>Mouse</b>	USB wired optical mouse with scroll		
12.	<b>Keyboard</b>	USB standard keyboard		
13.	<b>Operating System</b>	Windows 8 Pro		

➤ **Laptops:**

OEM: \_\_\_\_\_ Model/Make: \_\_\_\_\_

S.No.	Feature	Specification	Compliance (Yes/No)	Remarks (If any)
1.	<b>Processor</b>	Latest generation quad core or higher processor with 2.4 GHz or higher clock speed		
2.	<b>Main Memory</b>	4 GB DDR3 SDRAM		
3.	<b>Hard Disk</b>	320 GB or higher		
4.	<b>Optical Disk Drive</b>	16 X or higher DVD RW Drive		
5.	<b>Network</b>	At least 1 - integrated Gigabit Ethernet card, 1 - Integrated IEEE 802.11 a/b/g/n wireless with Bluetooth		
6.	<b>Battery</b>	Min. 6 cells		
7.	<b>Mouse</b>	External USB Wired optical mouse with scroll		
8.	<b>Carrying case</b>	Backpack		
9.	<b>USB</b>	Atleast 2 free USB (2.0 or Higher) ports		
10.	<b>Speakers</b>	Built-in stereo speakers		
11.	<b>Camera</b>	Built-in Front Side camera		
12.	<b>Slots</b>	1-SD Memory Card		
13.	<b>Ports</b>	1 - External VGA Monitor 1- HDMI Port		
14.	<b>Weight</b>	Less than 2.5 KG (With Battery)		
15.	<b>Operating System</b>	Windows 8 Pro		

**Software's to be Supplied and installed at ERNET India, Bengaluru and Chennai**

Package	No. of Licenses	
	Bengaluru	Chennai
Software Assurance	5	5
MSDN Visual Studio Premium (2 years Subscription)	1	1
Microsoft Office Standard (Latest version)	18	18
Windows server 2012 R2 Standard Edition (2 Processors)	2	2
Microsoft VDA (Virtual Desktop Access) with 2 years Subscription	20	20
System Center 2012 Center Standard Edition (2 Processor)	2	2
System Center Configuration 2012 Client Management Licenses	5	5
Windows Server 2012 CALS	20	20
VMware View – Premier Edition (Latest version)	10	10
Citrix XenDesktop – Platinum Edition (Latest version)	10	10
Corel Draw Graphics Suite	2	2
Adobe Acrobat X Professional (Latest version)	4	4

**Annexure-II****PRICE SCHEDULE FOR THE SUPPLY OF EQUIPMENTS DETAILED IN ANNEXURE- I**

To,

ERNET India  
No 397, 13<sup>th</sup> Cross,  
Sadashivanagar,  
Bengaluru - 560080

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:

S.No.	Description	Unit price (A)	Total Qty (B)	Excise Duty (C)	WCT (D)	Sales Tax (E)	Total Unit Price (A*B)+C+D+E)
1.	2.	3.	4.	5.	6.	7.	8.
(i)	Servers						
(ii)	Unified Storage						
(iii)	42U Rack						
(iv)	Manageable L2 switch						
(v)	KVM-over-IP-Switch						
(vi)	Workstations						
(vii)	Laptops						
(viii)	Software Assurance						
(ix)	MSDN Visual Studio Premium (2 years Subscription)						
(x)	Microsoft Office Standard (Latest version)						
(xi)	Windows Server 2012 R2 Standard Edition (2 processors)						
(xii)	Microsoft VDA (Virtual Desktop Access) with 2						



	years subscription						
(xiii)	System Center 2012 Standard Edition (2 Processor)						
(xiv)	System Center Configuration 2012 Client Management Licenses						
(xv)	Windows Server 2012 CALS						
(xvi)	VMware View – Premium Edition Bundle (Latest Version)						
(xvii)	Citrix XenDesktop Platinum Edition (Latest version)						
(xviii)	Corel Draw Graphics Suite						
(xix)	Adobe Acrobat X Professional (Latest Version)						

Grand Total of Col. 8 = \_\_\_\_\_

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.

\_\_\_\_\_  
(Signature and seal of Manufacturer/Bidder)

Dated: ...../...../2013

**Annexure III**

**PROFORMA FOR BANK GUARANTEE FOR CONTRACT PERFORMANCE**

**(To be stamped in accordance with stamp Act)**  
**(The non-judicial stamp paper should be in the name of issuing Bank)**

**Bank Guarantee No.** .....

**Ref.** .....

**Date** .....

**To:**

**ERNET India**  
**Department of Electronics & Information Technology**  
10th Floor, Jeevan Prakash Building,  
25, K.G Marg,  
New Delhi-110001

Dear Sirs,

In consideration of the ERNET India, Department of Information Technology Ministry of Communications & Information Technology (hereinafter referred as the 'Owner', which expression shall unless repugnant to the context or meaning thereof include its successors, administrators and assigns) having awarded to M/s. \_\_\_\_\_ (herein referred to as the 'Contractor', which expression shall unless repugnant to the context of meaning thereof, include its successors, administrator, executors and assigns) a contract bearing No. \_\_\_\_\_ dated \_\_\_\_\_ valued at \_\_\_\_\_ for \_\_\_\_\_ and the Contractor having (scope of Contract) agreed to provide a Contract Performance of the entire Contract equivalent to ( \_\_\_\_\_ per cent) of the said value of the Contract to the Owner.

We \_\_\_\_\_ having its (Name & Address) Head Office at \_\_\_\_\_ (hereinafter referred to as the 'Bank', which expression shall, unless repugnant to the context or meaning thereof, include the successors, administrators, executors and assigns) do hereby guarantee and undertake to pay the Owner, on demand any and all money payable by the Contractor to the extent of \_\_\_\_\_ as aforesaid at any time up to \_\_\_\_\_ (day/month/year) without any demur, reservation, contest, recourse or protest and/or without any reference to the Contractor. Any such demand made by the owner the Bank shall be conclusive and binding notwithstanding any difference between the Owner and Contractor or any dispute pending before any court, tribunal or any authority.

The Bank undertakes not to revoke this guarantee during its currency without previous consent of the Owner and further agrees that the guarantee herein contained shall continue to be enforceable till the Owner discharges this guarantee. The owner shall have the fullest liberty, without affecting in any way the liability of the Bank under this guarantee, to postpone from time to time the exercise of any powers vested in them or of any right which they might have against the Contractor, and to exercise the same at any time in any manner, and either to enforce or to forebear to enforce any covenants, contained or implied, in the Contract between the Owner and the Contractor or any other course of or remedy or security available to the Owner. The Bank shall not be relieved of its obligations under these presents by any exercise by the owner or by any other matters or thing whatsoever which under law would, but for this provision, have the affect of relieving the Bank. The Bank also agrees that the Owner at its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor, in the first instance without proceeding against the

Contractor and notwithstanding any security or other guarantee that the Owner may have in relation to the Contractors liabilities.

Notwithstanding anything mentioned herein above our liability under this guarantee is restricted to Rs. \_\_\_\_\_ and it shall remain in force up to and including \_\_\_\_\_ shall be extended from time to time for such period as may be desired by M/s. \_\_\_\_\_ on whose behalf this guarantee has been given.

**WITNESS**

**BANK**

Signature \_\_\_\_\_

Signature \_\_\_\_\_

Name \_\_\_\_\_

Name \_\_\_\_\_  
(Bank's Rubber Stamp)

Official address \_\_\_\_\_

Designation with Bank Stamp \_\_\_\_\_

Attorney as per Power of Attorney No. \_\_\_\_\_

*Date:*

**General Eligibility Criteria**

S.No.	Criteria	To be filled by the bidder with the page no. of supporting Documents submitted in technical bid
(i)	The manufacturer/ OEM/bidder should be ISO certified company. Valid documentary proof should be enclosed.	
(ii)	In case of representative of reputed OEM, the authority from the manufacturer /distributor must be submitted for the Bill of material listed in Annexure I	
(iii)	The bidder should be profit making company in last three years financial years (2009-10, 2010-11 and 2011-12)	
(iv)	The product offered should be a standard product available on the OEM website. Any customized solution offered exclusively against this tender will not be acceptable and will be rejected out rightly. Undertaking to this effect must be submitted	
(v)	The bidder should quote only one model /product for each item.	
(vi)	The OEM/manufacturer should have a minimum of 10 years' experience for supply and maintenance of systems quoted.	
(vii)	The bidders must enclose copies of three Purchase orders for supply/installation of similar products of similar volume; involving cloud computing or related projects involving high end computing and storage in last 5 years (2008 to 2012) and one of the three purchase orders submitted must be of the same OEM which is proposed in this tender; and also one of the installation must have been executed in India	
(viii)	The bidder should attach relevant copies of execution and satisfactory work completion certificate from client for the purchase orders that are being submitted in case of eligibility criteria clause (vii) mentioned above	
(ix)	The turnover of the Bidder for the last three years (2009-10, 2010-11 and 2011-12) should be a minimum of Rs.20.00 Cr. per year only from IT related hardware and software from Indian operations. The audited balance sheet or certificate from the Chartered Accountant should be submitted along with the bid in support of turnover.	
(x)	The Bidder should supply, install and support the systems directly at Bengaluru and Chennai locations. An undertaking with respect to the same has to be submitted	
(xi)	No deviations in the specifications of the items would be accepted. Quotations not adhering to the specifications and other requirement. Accordingly, the bidders must submit the compliance statement of all the terms & conditions of the tender document in the technical part of the bid.	
(xii)	Bidder must submit the entire tender document signed and sealed on each page	
(xiii)	It is mandatory for the Bidders to give clause-by-clause compliance for the technical specification of the equipment's in their technical bids	
(xiv)	Please give the Registration number of the firm along with the LST/CST/WCT No. allotted by the Sales Tax authorities in your quotation	

