

Tender No: EI-D-Tech/55/0341/2013-PD&OA-ICT
Dated: 14.12.2013

TENDER DOCUMENT

For

Procurement of IT Infrastructure (Hardware /Software), their delivery, installation and commissioning for
“setting up of e-Learning ICT Centers at 204 schools- in Srikakulam district, Andhra Pradesh”.

Due Date for Submission of Bids: 30.12.2013 at 3.00 PM
Date of Opening of Bids : 30.12.2013 at 3.30 PM



Issued By:

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

SECTION - A

ABOUT ERNET INDIA

ERNET India, an Autonomous Society under the Ministry of Communications and Information Technology, 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 in the country.

ERNET has star VSAT network operating on C-band of INSAT 3C satellite. The hub is located at Bangalore and VSATs at various institutions/organizations all over the country. It has DVB/FTDMA, SCPCDAMA based baseband to provide VSAT connectivity for Internet / Intranet related applications.

ERNET architecture is based on industry standard TCP/IP protocol ensuring connectivity from heterogeneous computer systems and local area networks at user sites. At the application level, all applications conform to international standards such as SMTP, TELNET, FTP, RTP, NNTP and HTTP. The terrestrial backbone and the ERNET satellite Hub currently form a seamless network for applications like Internet, Intranet, distance learning digital library etc.

The emphasis of ERNET is to widen its network and to provide Internet/Intranet access, ICT infrastructure to all education and research institutions in the country.

PROJECT BRIEF

Setting up of e-Learning ICT Centers at 204 schools- in Srikakulam district, Andhra Pradesh:

ERNET India is to setup project on e-Learning ICT centers at 204 schools in Srikakulam district of Andhra Pradesh funded by DeitY, GoI. Under the project, the selected centers will be equipped with Individual Desktop Computers, Printer cum Scanner, projector, Local Area Networking (LAN), Electrical Wiring, Software, e-learning tools, Computer Furniture and Un-interrupted Power Supply (UPS), etc. The ICT centers will help children from rural areas to enhance their creativity, educational and IT skills for higher education and for employment.

INVITATION TO BIDDERS

ERNET India invites sealed tender offers in two bid format (Technical bid and Commercial bid) from eligible and experienced OEM of Servers/Software providers or Authorized System Integrator/Channel Partners/Reseller of such OEMs for Supply, Installation/commissioning, Training and Maintenance of infrastructure required for "setup of e-Learning ICT Centers", with three years on site comprehensive warranty and Maintenance support from the date of acceptance of the complete work by ERNET for delivery of various ERNET services as specified in the tender document.

E-Learning ICT Centers will consist of the IT hardware & software, application software, computer furniture, LAN & Electrical wiring and other civil work, etc. The details of specifications of Computer Hardware, Software, UPS & Computer furniture for these schools are given at **Annexure-I & II** respectively.

This tender document consists of Section A, B, C & D and Annexure. Bidder has to comply with all the B,C,D sections and annexure.

SECTION - B**GENERAL CONDITIONS & SCOPE OF WORK**

The bidders are advised to study the tender document carefully. Submission of bids shall be deemed to have been done after careful study and examination of the tender document with full understanding of its implications. This section provides general information about the issuer, important dates and addresses and the overall eligibility criteria for the bidders. The aspiring bidders should submit their bids in **compliance with the Tender procedures and Contract terms as prescribed in the following sections of the Tender Document.**

The following instructions should be carefully noted:

1. It is intended to enter into a rate contract valid for a period of one year to carry out the work at 204 schools and a data centre in Srikakulam district of Andhra Pradesh. The tentative list of schools is given in **Annexure- VIII**. The number and names of schools may vary.
2. The bid can be submitted in consortium. In that case, the main bid will be submitted by prime bidder and a MOU signed by consortium partner on non-judicial stamp paper must be submitted along with the bid. In case of multinational firm, the subsidiary/or principal firm must be registered in India as per clause No. 6 below and their consolidated turnover will be accepted.
3. The bidders are required to bid for all the items detailed in the bill of material, noncompliance to this would disqualify the bidder. Quotations not adhering to the specifications and terms and conditions will be out rightly rejected.
4. The bidder must be a reputed manufacturer or authorized representative of the product offered. They must have experience of at least five years in the area of deploying state-of-the-art IT products and must have support center all over India. In case of representative, the authority from the manufacturer/distributor may be submitted. Bidders must submit tender specific authorization from OEM for support and supply of spares during Warranty and maintenance period.
 - (i) OEM should have component level service centre/ technical support centre in Delhi or near Srikakulam/ Visakhapatnam and must stock spares of the supplied item in India. (Details of office and stock depot to be provided)
 - (ii) Bidder should have Customer Support centre/ Technical support office or undertake to open within one month of the award of the project in the city of **Srikakulam/ Visakhapatnam**. Details of such offices with contact person name and number may be provided in the bid.

An undertaking must be submitted by the prospective bidder with respect to above.

5. The bidder should be ISO 9001:2000 Certified Company. Valid documentary proof should be enclosed.
6. *Bidder should be a registered firm or company under company registration act 1956 or registered society under society registration act 1860.*
7. Bidder should have good track record of execution of similar projects in India. Documentary proof should be submitted by the bidder. No bidder should have been defaulted in execution of the project. The bidder should not have been blacklisted in the past from any Central/State Government organization/undertaking across India. An undertaking in this regard should be submitted by the bidder.
8. The cumulative annual turnover of the bidder over the last three financial years should not be less than Rs. 200 crores. The bidder should be profit making company in any one year of last three financial

years i.e. 2010-11, 2011-12 & 2012-2013. Documentary proof duly certified by the Chartered Accountant must be enclosed reflecting figures for each individual financial year turnover and profit.

9. Public sectors will be exempted from submitting EMD.
10. In case bidders offer products of more than one OEM against single product in the tender, ERNET India at its discretion may choose any of the offered products.
11. Bidder should have toll free no. for registering complaint and number must be provided in the technical bid. In case bidder don't have the same then **an undertaking** must be enclosed in the bid that if tender is awarded to the bidder, then the said facility will be provided.
12. All the items should be state-of-the art with latest version confirming to International standards. The entire project is to be implemented on turnkey basis, end-to-end i.e. supply, installation and on-site comprehensive maintenance of equipments and application.
13. ERNET India may at its discretion reduce/increase the quantity of the items or may drop any of the items, as per requirements, in the Purchase Order. However, Lowest bidder will be decided on the basis of total cost of bill of material specified in **Annexure III**
14. The complete bid along with documentary evidence should be properly indexed with page numbered & cross-referenced/linked with our tender clause. ***In absence of this bids would be considered incomplete and liable to be rejected without issuing any notification to the bidders.***
15. The firm will be blacklisted, if the bidder submits fake or forged documents/ reports, false undertaking etc in the bid.
16. **For all items quoted and supplied by prospective bidders:** No technical product (Hardware/software) should have end of life in next 1 year & end of support in next 5 years from the date of submission of quotation. An undertaking must be submitted by prospective bidder signed by OEM.
17. The bidder / Firm will be responsible to ensure the replacement of the projector, Computers, UPS and batteries if same are not repairable during the warranty & subsequent AMC period (if any).
18. Bidders profile as per format given at **Annexure-V** may be submitted in technical bid with documentary proof.

19. SCOPE OF WORK

The scope of work includes the following:

- (i) Supply, installation, commissioning, integration and maintenance of hardware and deployment of software at each school. The list & specification of Computer Hardware/Software, UPS & Computer furniture is given at **Annexure-I & II** respectively.
- (ii) The bidder also needs to provide IT infrastructure at Data Center/NoC site as mentioned in Bill of Material, its installation, commissioning and maintenance etc. The name of central location for Data Centre/ NoC in **Srikakulam** district of Andhra Pradesh would be informed later.
- (iii) Pre-loading of all software (including operating system & Microsoft Office) in the hardware and testing of the same before dispatching hardware systems for installation and commissioning at the schools.

- (iv) The software based tool for video conferencing system must be provided on the basis of server & client model for 204 schools & a data center. The tools will be centrally managed from Data Center however, the schools may do video conferencing among themselves without interfere of Central location/data centre. The detailed specifications are mentioned at **Annexure- I**. As this tool would require Internet/Intranet connection for video conferencing among school, any penalty due to its dependency on Internet/Intranet connection would not be imposed on bidder. However, in case of connectivity all the features as per specification must be functional.
- (v) Supply and installation of LAN cabling in the computer room for 10 computers, with 16 nos. of active UTP ports of standard ISI brand, Jack panel –CAT6,I/O CAT6, Patch Chord of 3 ft or 7 ft. of standard ISI brand, PVC conduct pipe of ISI Brand in the computer lab . Installation of one Ethernet switch, Jack Panel and integration of computers with LAN in the computer room.
- (vi) Complete supply and installation of electrical cabling with **2.5 Sq.mm and 6mm** Cable, Modular electrical power points of appropriate wattage and in appropriate numbers as required for the installation & integration of the hardware (desktop computers, Switches, LAN etc.) and software procured from the bidder. Every single electrical point would be considered as one fixed electrical extension board on the wall having one switch and three female sockets together of 5/15 amp. Installation of Un-interrupted Power Supply (UPS), earthing for 5KVA UPS, Electrical PVC. Conduit pipe, switches (5 amp), socket (5 pin), Modular Power **plug (5/15 amp), MCB, MCB Box (6 way,8 way),holder, ceiling rose** of standard ISI brand for 10 desktop PC, speakers, printer/scanner/, LCD or DLP projector etc . Area to be covered 400 Sq. Ft. (approx.) will be provided.
- (vii) Proper earthing to ensure ground to neutral voltage of less than 2 volts.
- (viii) Complete supply and installation for white washing with using good quality dry distemper of standard ISI brand. Flooring of each centre will be made non –skid vitrified tiles. All the material i.e. white cement, white putty, sands ,small stone chips, Black Cement should be of standard ISI brand. Creation of good quality Cemented Ramp for entry door useful for physically challenged. Area to be covered 400 Sq.Ft. (approx.) will be provided for ICT centers in all the schools.
- (ix) Supply of branded Furniture of ISO mark to keep Desktops PC's, Printer, UPS and software in the computer room.(Please refer **Annexure I & II** for product view). UPS should be provided with metal rack for batteries as per requirement.

20. Sale of Tender

Tender document can be purchased from ERNET India, New Delhi during 14.12.13 to 19.12.13 between 3.00 PM to 4.00 PM every day except for Saturdays, Sundays and Public Holidays, on payment of **Rs. 2000.00 (Two thousand only)** in the form of Demand Draft or Banker's Cheque drawn on/issued by any Nationalized/Scheduled Indian Bank in favor of ERNET India, payable at New Delhi.

The Tender Document can also be downloaded from www.ernet.in. In such case, an amount of **Rs. 2,000/-** in the form of Demand Draft/Bankers' cheque drawn in favor of **“ERNET India, payable at New Delhi”** would be required to be furnished along with the **Part-I** of the bid.

21. Tenders/Bids placed in sealed envelopes should bear the following inscription:-

“Tender Enquiry No.: **EI-D-Tech/55/0341/2013-PD&OA-ICT**”

“Bid for the supply of Desktop/Server/Software/Storage/printer, furniture and other Infrastructure - etc. for Setting up e-Learning ICT Centre in Srikakulam District”

Due Date & Time for submission of Bid : 30.12.2013(3:00 PM)
Due Date & Time for Opening of Bids : 30.12.2013 (3:30 PM)

Tenders/Bids placed in sealed envelopes/covers bearing the information as stated above should be received in ERNET India to the following:

B.B.Tiwari, Director
ERNET India
10th Floor, Jeevan Prakash Building, 25,
Kasturba Gandhi Marg, New Delhi-110 001

22. *Clarifications regarding tender document:*

- i) The prospective bidders requiring any clarification about the contents detailed in the Tender document may notify ERNET India in writing (**Through letters by hand only**) addressed to **Sh. B.B. Tiwari, Director ERNET India**. Clarification sought by the vendors along with ERNET's response will be posted on website www.ernet.in. Accordingly, all the vendors must refer the above website for clarification, if any, before submission of their bids on the due date/time. Queries/Clarifications will be received and responded as per schedule detailed below:

- Issue of Tender Document : 14.12.2013 to 19.12.2013
(3.00 p.m. to 4.00 p.m.)
- Receipt of Queries : Up to 19.12.2013 by 3.00 p.m.
- Pre-bid Meeting : 20.12.2013 at 02:30 p.m.
- Response to Queries* : 25.12.2013
- Opening of Bids : 30.12.2013 at 3.30 p.m.

* ERNET response to queries would be uploaded on ERNET Website only.

Therefore, all the bidders are requested to refer ERNET's website for the ERNET response to the queries. Bidders are also advised to refer ERNET's website for any further development with regard to the tender before submission of their bids.

- ii) If any bidder wishes to make any complaint/allegations w. r. t tender, bidder may submit the same along with the affidavit on stamp paper of Rs 10.00 as an proof in support of all complaint/allegation

Important Note: *The queries will be received only by hand within specified period as scheduled above; no other mode of communication would be accepted. Any communication after due date and time shall not be entertained in any manner.*

23. *Quotations should be submitted in two separate parts i.e. Part-I (Technical Bid) and Part II (Financial Bid).*

Part-I - Technical Bid in one cover, consists of

- (i) In case, the tender document is downloaded from ERNET India's web site i.e. www.ernet.in (not purchased from ERNET India against payment of Rs. 2000.00) then the Bidder should also submit a Tender document fee of Rs.2,000/- in the form of Demand Draft/ Banker's cheque, in addition to EMD.
- (ii) EARNEST MONEY DEPOSIT (EMD) should also be submitted in this cover.
- (iii) Technical specification of the system/services offered along with list of deliverables, literature, pamphlets, drawing etc. This cover should consist of complete technical specifications, make,

model, names of supplier/manufacturer and commercial terms etc. of the solution offered. Price column in this cover should be kept blank.

- (iv) Compliance statement in the form of “complied or not complied” should be given against each statement and specification of the tender with make and model of the offered products. Tender document should be supported by authentic documents; documentary evidence should be page numbered and cross-referenced / linked with our tender clause Nos. and specifications.
- (v) The bidder must submit, the authorization certificate of all the offered products(hardware/software) for the published tender in the technical bids.
- (vi) List of deliverables (without cost) shall be fully reflected in the technical bid.
- (vii) Power of Attorney/Authorization with seal of the company, of person signing the bid documents.
- (viii) Tenderer's company profile, financial status, valid Income Tax Clearance Certificate (ITCC) and last three financial years balance sheets as applicable.
- (ix) Tenderer must submit Service Level Agreement (SLA) as per **Annexure-IV** duly accepted the same by affixing stamp & signature.

Part-II - Financial Bid in second cover, should contain:

- (i) Second cover indicating “**COVER FOR FINANCIAL BID**” should consist of the price details of bill of material specified in Technical Part of the bid. The list of deliverables referred above of all Hardware/ Software, are given at **Annexure-I & II** respectively to setup of e-learning centre & Data Centre/ NoC , should be submitted in separate cover marked "**Financial Bid - Part II**". Rates/cost to be quoted as per **Annexure-III** only.
- (ii) The list of deliverables shall be fully reflected in the price bid.
- (iii) Rates quoted by the bidder shall be final and no negotiation will be held.
- (iv) Tenders once submitted shall be final and no amendment shall be permitted.

Both the covers i.e. **Part-I (Technical Bid)** and **Part-II (Financial Bid)** should first be sealed separately, and then both the covers should be kept in a single sealed bigger cover. This cover should be submitted to the “**B.B. Tiwari, Director, ERNET India, 10th Floor, Jeevan Prakash Building, 25, Kasturba Gandhi Marg, New Delhi-110 001**” before due date and time of tender. In case of any missing information on the above, the bid is likely to be rejected.

- 24. Bids should be valid for a minimum period of 180 days after the due date.
- 25. The Bids must reach the undersigned on or before the due date, i.e. 30.12.2013 at 3:00 PM. Bids received after the due date & time are 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.
- 26. The rates should be quoted in Indian Rupees for delivery at respective school locations and at Data Center. 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-III** only.
- 27. Govt. Levies like sales tax, VAT etc. shall be paid at actual rates applicable on the date of delivery. These rates should be shown separately accordingly giving the basic price, Sales Tax, VAT etc.

28. The bids with incomplete or no details, no technical literature in support of the product offered will be out rightly rejected. The bidder must quote the products/ items strictly as per specifications. Complete technical details along with make, model number, complete specification, pamphlets, literature of the systems highlighting the special features of their offer should be supplied along with the quotation.
29. It may specifically be mentioned in the form of **undertaking** by the bidder whether the quotation is strictly as per bid specifications/conditions. If not, deviations must be spelt out specifically. **In the absence of this, the quotation may be rejected.**
30. Please give the Registration number of the firm along with the LST/CST No. allotted by the Sales Tax authorities in your quotation.
31. ERNET India reserves the right to accept or reject any bid or cancel the bid proceedings without assigning any reason whatsoever.
32. Incomplete quotations are liable to be rejected.
33. Bidder shall sign all pages of terms & conditions, solution architecture and quotation along with quotation. All changes, alterations, corrections in the bid shall be signed in full by the person(s) signing the bid with date.
34. The Tenderer shall quote the rates in English language and international numerals. The rate shall be in whole numbers. These rates shall be entered in figures as well as in words. In the event of the order being awarded, the language of all services, manuals, instructions, technical documentation etc., provided for under this contract, will be English.
35. In case of any discrepancy between rates mentioned in figures and words, the latter shall prevail.
36. Transfer of Tender Documents by one Tenderer to another is not permissible. Similarly transfer of tenders submitted by one Tenderer, is not permissible.
37. Bidder must quote for all the items as mentioned in the **Annexure-I & II** in the prescribed proforma given .The bidder not quoting all the items of **Annexure- I & II** will be summarily rejected. Cost comparison will be made strictly as per Bill of Material specified in **Annexure-III**.
38. ERNET India may waive any minor informality or non-conformity or irregularity in a bid which does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any Bidder.
39. Any attempt of negotiation direct or indirect on the part of the bid with the authority to whom he has submitted the bid or authority who is competent finally to accept it after he has submitted his bid or any endeavor to secure any interest for an actual or prospective bidder or to influence by any means the acceptance of a particular bid will render the bid liable to be excluded from consideration.
40. The bidder shall notify ERNET India in writing of all sub-contracts in case of consortium awarded under the contract, if not already specified in his bid. Such notification, in his original bid or later, shall not relieve the bidder from any liability or obligation under the contract.
41. The bidder must have successfully executed, implemented and delivered the governments projects in time; satisfactory commissioning report of such project along with the PO of that project must be submitted. The bids submitted by the bidder, which were incapable to deliver the projects/work in time awarded by ERNET India in past will not be considered.
42. Inspection

ERNET India or its representative(s) shall have the right, if required, 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.

43. Preferential Market Access

Preference to domestically manufactured electronic & Telecom products for IT equipments:

Domestic manufacturers will be given preference to domestic products that meet the minimum levels of domestic value added as stipulated by the notification issued by Government.

Vendor may refer PMA policy issued by Government vide Notification No. 8(78)/2010-IPHW dated 10.2.2012 and also refer other guidelines at <http://deity.gov.in/esdm#pma> for electronics goods for providing preference to Domestically Manufactured Electronic products (DMEP) Electronic Products for which preference will be provided to domestic manufacturer

Guidelines w.r.t. Electronics products to be covered under PMA

a) Desktop PC's and for the items specified under PMA guidelines which are being procured through this tender as per BoM .

b) Preference

Percentage of procurement for which preference to domestically manufactured PC's is to be provided (in value terms)	Percentage domestic value addition in terms of Bill of Material (BOM) required for the PC's qualify as domestically manufactured
50%	30% year 1 (till 31.3.2014)

c) Vendor may declare the procedure for certification and assessment of the percentage of domestic value addition in electronic product

d) The preference to DMEP shall be subject to meeting technical specifications and matching L1 price (in case DMEP bidder is not L1).

- **Note:** *The Affidavit of self Certification regarding Domestic Value Addition in an Electronic Product to be provided on Rs. 100/- Stamp paper for DMEP as per Annexure-VII, if applicable.*

44. Earnest Money Deposit

(a) Each quotation must be accompanied by Earnest Money Deposit of amount as stated below and 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 the original due date of the quotation. **Quotations received without Earnest Money Deposit are liable to be rejected.**

Amount of Earnest Money Deposit for bidding is Rs.50.00 lakhs (Rupees Fifty lakhs only).

(b) Any tender not accompanying with EMD and tender fee (if tender document is downloaded from website) will be considered non responsive and rejected. The public sector companies will also have to deposit the required tender fee and EMD specified above.

(c) 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 bid in any respect within the period of validity of the bid.

- (d) Earnest Money is liable to be forfeited, if the bidder submits fake or forged documents or fake claims, fake reports, false undertaking etc in the bid.
- (e) 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 but no later than 30 days of the issue of the purchase order. No interest will be payable by the Purchaser on the Earnest Money Deposit.
- (f) If the successful bidder fails to furnish the Performance Security (refer para 45) within 15 days of the placement of the purchase order, the earnest money shall be liable to be forfeited by the purchaser.
- (g) The Earnest Money of successful bidder shall be returned after furnishing of Performance Security

45. Performance Security

The successful bidder shall submit a Performance Security of 10% of the cost of the purchase order valid for the duration of warranty period (3 years) within 15 days of the placement of purchase order. The Performance Security may be in the form of Demand Draft/Pay Order/Bank Guarantee of any nationalized bank. In case supplier fails to deliver the items within delivery period or provide satisfactory after sales service within the warranty period, the Performance Security submitted by the firm is liable to be forfeited. Performance Security shall be released immediately after the onsite free comprehensive warranty for three year of all supplied Hardware/Software, is over. No interest will be payable by ERNET India on the Performance Security.

46. Guarantee/Warranty

- (i) All goods or material shall be supplied strictly in accordance with the specifications. No deviation from such specifications of these conditions shall be made without ERNET agreement in writing which must be obtained before any work against the order is commenced. All materials furnished by the successful Bidder pursuant to the Order (irrespective of whether engineering/design or other information has been furnished, reviewed or approved by ERNET) are guaranteed to be of the best quality of their respective kinds (unless otherwise specifically authorized in writing by ERNET) and shall be free from faulty design to the extent such design is not furnished by ERNET. The goods/materials used by the successful Bidder and its workmanship should be of proper quality so as to fulfill in all respects the operating conditions and other requirements specified in the order. Warranty i.r.o. all the equipments shall be for a period of **three years** from the date of acceptance of equipments/materials, application, except consumable items.
- (ii) If any trouble or defect originating with the materials, workmanship or operating characteristic of any materials/application arise any time prior to 12 months after commissioning, and the Bidder notified thereof, the Bidder at his own expense and at no cost to ERNET as promptly as possible make such alterations, repairs and replacements at site as may be necessary for the functioning of the equipment in accordance with the specifications.
- (iii) ERNET may at its option remove such defective material at the Bidder's expense, if the Bidder does not act reasonably after being informed.
- (iv) In the event that the materials supplied do not meet the specifications and/or are not in accordance with the requirement, ERNET shall inform the Bidder giving full details of deficiencies. The Bidder shall attend at his own expense to meet and come to an agreement with the representatives of ERNET the action required to correct the deficiencies and do the rectification/replacement to make the system functional as per specifications within a week of ERNET written information to the Bidder failing which the ERNET may en-cash the Bank Guarantee.
- (v) Warranty shall include on-site comprehensive free maintenance of the whole equipment supplied including free replacement of all parts. The defects, if any shall be attended to on immediate basis but in no case any defect should prolong for more than 72 hours. The on-site comprehensive warranty shall be for a period of three year from the date of acceptance of the equipment by ERNET India.

47. AMC

All the prospective bidders shall quote for AMC of all hardware/software, for a period of one year after the completion of warranty period of three (03) years. ERNET India reserves the right to extend the said AMC to three (03) years at the quoted price and bidders will be liable to provide the services during AMC period at the same price or for the extended period as the case may be. It is however, clarified that only one year AMC price would be included for price comparison and in deciding L1 bidder. A separate PO for AMC will be issued after warranty, if required.

48. Delivery Period

- The Delivery and installation of hardware and software at the site is required within **6 months** of placement of the purchase order.

However, the progress of the work order must be as per following schedule:

- (i) Month 1:
 - Proof of order placement to OEM
 - Site survey report, etc
 - Civil work, LAN, electrical, Delivery of Furniture at 50 sites
 - Delivery of H/W, S/W at 50 sites
- (ii) Month 2:
 - Civil work, LAN, electrical, Delivery of Furniture at 100 sites
 - Delivery of H/W, S/W at 100 sites
- (iii) Month 3:
 - Delivery of H/W, S/W, delivery of furniture, LAN and electrical at 55 sites,
 - Installation completion at 100 sites
- (iv) Month 4:
 - Submission of installation completion of all sites,
- (v) Month 5: Fine tuning of LAN, Intranet, and servers etc

Delivery report countersigned by user/Head of the Institution/Principal shall be submitted within 10 days from Date of Delivery. 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 Earnest Money Deposit, imposition of liquidated damage as per para 50 below or/and cancellation of the purchase order for default.

- 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.
- Delay due to non readiness of the site or due to any natural disaster will not be considered for liquidated Damages

49. Force Majeure

Neither Vendor nor ERNET India shall be liable for any delay in or failure of discharging respective obligations under this tender caused by occurrence beyond their control, as the case may be, including but not limited to fires, floods, explosions, power shortage, failure / breakdown of UPS / computer, acts of GOD, hostility, act of public enemy, wars, insurrections, riots, strikes, lockouts, sabotage. Either parties shall promptly but not later than 10 days of the commencement thereof notify the order in writing of such contingency and prove that such is beyond the control and affects the implementation of these tender conditions adversely and materially. If such contingency continues beyond 30 days both parties, agree to discuss and agree upon an equitable solution

50. Liquidated Damages

If the supplier fails to deliver any or all of the goods, or do not complete the installation within the period specified in the purchase order, ERNET 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 subjected to

maximum of 10% . If the company failed to complete the installation of entire project and declared defaulted, the company shall be black listed for future business with ERNET India or disqualified for the consideration of their bids in future.

51. Service Level Agreement

The bidder will sign Service Level Agreement, which will be renewed each year on the basis of performance of the vendor. The Service Level Agreement is placed at **Annexure-IV**. This SLA must be submitted in the technical bid, duly signed in lieu of acceptance of SLA terms.

52. Rejection & Return of Tender

ERNET India, an Autonomous Society of Department of Electronics & Information Technology, Ministry of Communications and Information Technology (hereinafter abbreviated as ERNET respectively) reserves the right to reject any or part of the Tender without assigning any reason. The documentation submitted by Tenderers shall not be returned unless the Tenderer explicitly states this request at the time of submission of their Tender. ERNET also reserves the right at its sole discretion, not to award any order under the Tender called. ERNET shall not pay any costs incurred in the preparation and submission of any tender. Also tender of the bidder who has defaulted in execution of previous purchase order in implementation of such project will be rejected.

If the Tenderer gives wrong information in his Tender, ERNET reserves the right to reject such Tender at any stage or to cancel the Contract, if awarded, and forfeit the Earnest Money besides other remedies.

Canvassing in any form in connection with the Tender is strictly prohibited and the Tenders submitted by the Contractors who resort to canvassing are liable for rejection.

53. Modification and Withdrawal of Bids

The Tenderer may modify or withdraw its bid after the bids submission, provided that written notice of the modification or withdrawal is received by the Purchaser prior to the last date prescribed for receipt of bids.

The Tenderer's modification or withdrawal notice shall be prepared, sealed, marked and dispatched in accordance with the provisions of the tender. A withdrawal notice may also be sent by fax or but followed by a signed confirmation copy, post marked not later than the last date for receipt of bids.

No bid shall be modified subsequent to the last date and time for receipt of bids.

No bid shall be withdrawn in the interval between the last date for receipt of bids and the expiry of the bid validity period specified by the Tenderer in the Bid. Withdrawal of a bid during this interval may result in the Tenderer's forfeiture of its bid EMD.

54. Payment Terms

Payment shall be made by ERNET India to the selected Bidder as per the following schedule. The payment shall be made by cheque to the Suppliers. The payment shall be released as under on the satisfactory completion and performance certification issued by the concerned ERNET authorities. However, payment shall be made only after the successful execution and acceptance of all the equipments, software/ application:

- i. **90%** of the material (H/w, S/w etc) cost shall be paid after Supply, Installation, Integration, commissioning and acceptance testing of equipments as per scope of work. Pro-rata payment will be made or considered after Supply, Installation, Integration,

commissioning and Acceptance Testing of ALL THE EQUIPMENTS as per scope of work in a group of 41 locations.

- ii. In case of release of 90% of equipment cost, the remaining 10% will be released after the end of 3 years of warranty period or 100% on installation and acceptance by ERNET India subjected to fulfilling the following condition;

Remaing10% will be released: If the firm submits the Bank Guarantee of the amount equivalent to 10%, which should be valid for the period of three years as well as receipt of pre-receipted bill in triplicate.

- Any deduction from the payment due to non-compliance of the SLA parameters will be adjusted from the next payment due or Performance security based on the ERNET decision.
 - All the payment will be credited into firms/ bidder's account electronically (NEFT). Hence, bidders may provide bank details like branch, account number, IFSC code etc. No payment will be made through cheque.
- iii. The above BGs are in addition to Performance Security valid for 3 years (Mentioned at Sl. No. 45 of tender)

SECTION – C

Evaluation of bids

The Tenders received and accepted will be evaluated by Evaluation Committee framed by ERNET, to ascertain the best and lowest evaluated Tender in the interest of Project for the complete scope of the proposal. The bids qualifying all the criteria of one stage will be preceded to next stage for further evaluation as per sequence mentioned below. In case any bid is unable to qualify the criteria specified at any stage, it would be rejected and will not be preceded for further evaluation.

- Stage-1: Evaluation at Opening of bids
- Stage-2: Technical Evaluation of bids
- Stage-3: Commercial Evaluation of bids

Stage-1: Evaluation at opening of Bids

The bids (**as per para 22 &23 of Section-B, Part-I Technical bid**) will be opened in presence of those Bidders or their authorized representatives who present themselves at the time of opening of the Tender and who wish to attend. The following evaluation will be carried out, in case of any of the mentioned criteria is not complied in the tender document, the bids of respective tenderer would not be preceded to next stage for technical evaluation and will be considered as rejected:

- Tender document must consist of EMD, and tender fee (in case of tender downloaded from ERNET website), in absence of this bids would be rejected immediately.
- Compliance statement in the form of “complied or not complied” should be given against each statement of the tender. Tender document should be supported by authentic documents; documentary evidence should be page numbered and cross-referenced / linked with our tender clause Nos. and specifications.
- Complete tender document, all the terms & conditions, specification of items mentioned in tender shall be duly signed & stamped by authorized person assigned by the firm. The bid should be properly binded, no loose paper should be present in bid.

- Each page of the Bid and cuttings/corrections shall be duly signed and stamped by the Bidder. Failure to comply with this requirement may result in the Bid being invalidated.
- Tenderer's company profile, financial status as per performa enclosed at Annexure-V, must be enclosed with cumulative turnover of last three financial year certified by Chartered Accountant.

Stage-2: Technical Evaluation of bids

The bids qualifying the stage -1 mentioned above will be considered for technical evaluation. The following evaluation would be carried out.

- Compliance statement in the form of complied or not complied should be given in against each specification of items asked in tender at Annexure-I & Annexure-II with make and model of the offered products. In support of compliance, tender document should be support by authentic documents; documentary evidence should be pages numbers and cross reference/links with specification.
- Undertaking letter as per serial no. 4, 7, 11, 16 & 29 & certification as per Sl. No. 5, 6 of section-B must have been submitted in tender document.
- Technical evaluation of hardware, software will be compared as per the specifications. All the specification must be in compliance as mentioned in tender document.
- The bids found technically acceptable will be considered for next stage of commercial evaluation

Stage-3: Commercial Evaluation of bids

Bids qualifying Stage 2 will be considered for commercial evaluation.

- The cost comparison will be made of the solution as per specified format Annexure-III. The bidder with lowest price shall be empanelled for the execution of project work.

SECTION D: Bill of Material

TABLE "A"

IT infrastructure for 204 schools & Data Center at Srikakulam				
S. No.	Item	Qty for 204 Schools	Qty at Data Center	Total Qty
1.	Desktop PCs (Stand alone), ready support for IPV6 from day one. With physical Security management: Cable lock chassis security slot and padlock loop	2040	03	2043
2.	Office jet Printer cum Scanner along with 500 paper sheet of A4 size and one cartridges pre-installed	204	01	205
3(a)	16 port Layer 2 Ethernet switch	204	01	205
3(b)	Wi-Fi Access Point - (WLAN) 802.11b /g /n	204	01	205
4.	LCD/DLP Portable-Projector with all accessories and screen	204	01	205
5.	Microsoft Office 2010 , Academic Ed	2040	03	2043
6.	OS: MS Windows 8 (64 bit) Academic Ed	2040	03	2043
7.	LAN (16 points), LAN cabling (i.e. 16 patch cords, 16 IOs, etc)	204	01	205
8.	Electrical Cabling for all supplied items, (10mm from main's to UPS, 6mm for inside computer room) & suitable earthing for all components	204	01	205
9.	Civil work- Tile flooring (400 Sq feet) per site. Tile size : minimum 400x400 mm (Standard make – Vitrified, ½ inch thick)	100		100
10.	Computers, Printer and Scanner Tables(11 at each school)	2244	03	2247
11.	Chairs (12 per site) at 204 sites and 5 at data centre	2448	05	2453
12.	Microphone	204	01	205
13.	Web Camera	204	01	205
14.	UPS 5 KVA with backup as per Sl. No. 16 (i) below	204	Nil	204
15.	UPS 10 KVA with backup as per Sl. No. 16 (ii) below	Nil	01	01
16.	SMF Batteries i) Y=18 nos. (of 12 V, 65 AH) or Y=16 nos. (of 12V, 75AH) or Y=12 nos. (of 12V, 100 AH) batteries to maintain min 14000VAH	204*Y	Nil	204*Y
	ii) 32 Batteries, 100 AH, 12 V (1 location) and maintain minimum 38000VAH	Nil	01	32
17.	Chemical Earthing for all the ICT centre (in Schools) & at Data Center	204	01	205
18.	Software Based Video Conferencing System for 204 schools and Data Center	204	01	205
Important (For all items)				
Note: No technical product (Hardware/software) should have end of life in next 1 year & end of support in next 5 years from the date of submission of quotation. An undertaking from OEM must be submitted by prospective bidder.				

TABLE "B"

Hardware, Software & Application for e-learning data centre		
Sl. No.	Item	Qty
1.	Blade Chassis	1
2.	Blade Server	4
3.	Firewall/ web filtering tool (UTM Box)	1
4.	KVM switch with Display	1
5.	42U Rack	1
6.	Help Desk tool	1
7.	Windows 2012 server edition with 10 device CAL	1
8.	Windows Server External connector	4
9.	Database software: Industry Standard RDBMS- MS SQL 2012, Oracle	1
Important (For all items)		
<p>Note: No technical product (Hardware/software) should have end of life in next 1 year & end of support in next 5 years from the date of submission of quotation. An undertaking from OEM must be submitted by prospective bidder.</p>		

Note:

- (a) Civil work- Actual number of sites for flooring / painting may vary from 100. Hence actual numbers will be considered for payments. Room size is also tentative, hence actual size will be considered for payment.
- (b) MS office and MS Windows should be pre-loaded in Desktop PCs and only paper license and few media (in pendrive) for software should be supplied. All the software should for academic use. The proper indexing of licenses with Serial Numbers (service Tag) of Desktop PC, Printer cum scanner, Projector, Switch, Microphone, Camera etc may be maintained and submitted to ERNET India.

Annexure I


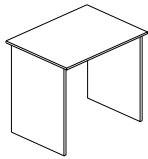

Specifications of items with respect to IT infrastructure mentioned in Table-“A” of Bill of Material

Sl. No.	Item	Minimum Specification	Compliance (Yes/No) with Make/Model	If 'yes' give details & support documents & its Reference in bid at Page No.
1.	Desktop PC's			
1.1	Processor	Min 3.0 GHz X64 dual core processor, with multithreading capability / Quad core, 3 MB cache with minimum SPEC CPU 2006 benchmark rating of 80 with 8 GB RAM (60% of SPECint_rate2006 plus 40% of SPECfp_rate2006 scores), virtualization support		
1.2	Chipset	Compatible chipset supporting above mentioned processor		
1.3	Form factor:	Small Form Factor / Mini slim /, green PC		
1.4	Communication	Gigabit Ethernet		
1.5	Power	The system should be 90% or above energy efficient		
1.6	Operating humidity range	Operating Humidity 20 to 80 % RH		
1.7	Ports	<ul style="list-style-type: none"> • Minimum 3 USB 2.0 free ports (excluding for Mouse & Keyboard) • 1 DVI-D /or HDMI port • 1 VGA ; 1 RJ-45 • 1 audio in, audio out • 1 speaker/ headphone out jack 		
1.8	Graphics	HD Graphics, Add on 1GB shared AMD/Nvidia card with DP and DVI ports		
	PCI	PCI Express (PCIe) x16 2.0 Graphics Interface		
1.9	Storage	Internal drive Minimum 500 GB SATA with 7200 RPM		
1.10	Optical disk drive	8X DVD +/- RW or above (optional)		
1.11	Memory	4 GB 1600 MHz DDR3 SDRAM or higher ; upgradable to 8 GB, min 2 Dimm slots		
1.12	Speaker Sound card	Inbuilt speaker Integrated audio controller		
1.13	Monitor	Min 18" LED TFT		

1.14	Keyboard/ Mouse	Same Make as OEM Keyboard and Mouse		
1.15	Input Voltage range	Input Voltage range: 100V-265V		
1.16	Network Card	Integrated on board Ethernet Controller 10/100/1000 with PXE support and Remote wake up		
1.17	Connectivity	IEEE 802.11 b/g/n WLAN		
1.18	Other S/W Tools/Licenses	Single utility for complete System protection & recovery: OS, Application and data recovery, secure data removal option, Asset and health manageability capability, with Internet security suite - Antivirus with spyware and malware protection. Microsoft recommended data recovery tool to be preloaded. power management software to be preloaded in the desktop		
1.19	Anti Virus	CA TM/NORTON/MCAFEE/Quick Heal or equivalent with 3 year license.		
1.20	Operating System:	OEM Windows 8 with recovery media to be preloaded. Vendor must furnish a list of serial numbers along with the corresponding list of PC system serial numbers for Operating system licenses which are pre-loaded		
1.21	Certification	<ul style="list-style-type: none"> • DMI 2.0 Compliant, Windows 8 Certified, ISO 9001, ISO 14001, ACPI Compliant, Green Peace rating 4.5 or above • Demonstrate effective deployment of Green Manufacturing Practices from organizations with any third party recognition documentary proof to be given for the same • Windows 8 Certified 		
1.22	Warranty	3 year onsite warranty		
<i>Note: The Desktop must be eco friendly which are manufactured with materials free of carcinogenic toxins such as PVC and Brominated Flame Retardants (BFR).</i>				
2.	Officejet/ laserjet Printer cum Scanner			
2.1	resolution	Minimum 600x600		
2.2	Multi function	Print copy, scan.		
2.3	Speed	normal speed: 15PPM, speed in draft or economy: 25 PPM (minimum)		
2.4	Duplex	Manual duplex		
2.5	Warranty	3 year onsite warranty		
2.6	Duty Cycle	12000 pages (minimum)		
2.7	Input capacity	100 sheets		
2.8	Memory	Memory 128 Mb or Equivalent Integrated Memory		
2.9	Scan resolution	1200 dpi		

3(a)	16 port- Layer 2 Ethernet Switch			
3.1	Layer 2 switching			
3.2	Quality of Service (QoS)	Priority levels : 4 hardware queues		
		Class of service: 802.1p priority based		
3.3	Ports	Min 6 port RJ-45, 10/100/1000 GE		
3.4	PoE	4PoE ports higher will be accepted		
3.5	Standards	802.3 100BASE-T fast Ethernet		
3.6	LED	Link/ Activity, PoE Status (ports), Power, system		
3.7	Support	MAC Address Learning engine, support for auto negotiation for all ports.		
3(b)	WiFi Access Point (WLAN)802.11b/g/n	Access point with PoE feature having antenna & supporting minimum 4 SSID		
4. LCD/ DLP Projector with all accessories and screen (Roof mounted)				
4.1	Optical Specifications			
a.	Color Light Output	2500 lumens (normal), 2000 lumens (Eco Mode)		
b.	Light Output	2500 lumens (normal), 2000 lumens (Eco Mode)		
c.	Contrast Ratio	3000:1		
d.	Lamp	High-pressure mercury lamp 210 W type		
e.	Lamp Life	5000 H (Normal), 6000 H (standard/echo)		
f.	Projection Lens	Approx. 1.1x manual zoom / Manual focus		
g.	Throw Ratio	1.37 to 2.15:1 (any ratio in this range)		
h.	Screen Coverage	Screen Coverage:50" to 108" wider/ higher screen coverage range will also be accepted		
4.2	Input/Output Specifications			
a.	HDMI-In	HDMI-In (S-Video In is optional)		
b.	Composite Video In	RCA phono jack, Audio : Pin jack x2 (shared with S VIDEO IN)		
c.	Analog RGB/Component In	Mini D-sub 15-pin (RGB) x1, Mini D-sub 15-pin (RGB/Y) x1 / Audio: Stereo mini jack		
d.	Digital In	HDMI, HDCP Support		
e.	Network	RJ-45: 10Base-T / 100Base-TX, Optional wireless image transfer .Third party devices can be used for wireless connectivity		
f.	Monitor Out	Mini D-sub 15-pin (from analog RGB input)		
g.	Variable Audio Out	Stereo mini jack (variable out)		
h.	Remote Control	RS232C		
4.3	Electrical Specifications			

a.	Color System	NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N		
b.	Acceptable Computer Signals	Maximum display resolution : 1600x1200 dots		
c.	Acceptable Video Signals	Video(Composite), 15k(480/60i, 575/50i), DTV (480/60p, 575/50p, 720/60p, 720/50p, 1080/60i, 1080/50i, 1080/60p, 1080/50p)		
4.4 General Specifications				
a.	Power Requirements	AC 100V to 240V, 3.0 A to 1.2 A, 50 Hz/60 Hz		
b.	Speaker	Speaker16W x 1 internal/ external (with all accessories and fixed on classroom wall)		
4.5 Other Specifications				
a.	Environmental Notice	Lamp in this product contains mercury. Disposal or recycling of these materials may be regulated due to environmental considerations.		
4.6 Projector Screen 100" non-motorized / manual				
a.	<i>Projector Screen 100" non-motorized / manual</i>	60"H x 80"W viewing area; 4:3 aspect ratio; 160° wide viewing angle; black-backed screen; MaxWhite 1.1-gain screen material; all-steel casing material; ceiling- and wall-mountable		
5.	Microsoft Office 2010 , Academic Ed	MS Academic bulk license		
6.	OS: MS Windows 8 (64 bit) Academic Ed	Academic bulk license		
7. LAN cabling in computer room				
7.1	UTP cable	CAT 6 of branded cable		
7.2	Number of active port	16 per room		
7.3	Cabling	The cable should be laid inside wall through conduit pipe of ISI Branded make.		
7.4	Installation	Installation of one Ethernet switch, Jack Panel and integration of computers with LAN in the computer room		
7.5	Testing	The testing of LAN integration with all the active points must be carried out.		
8. Electrical cabling in computer room				
8.1	Total Electric Points	20 Points		
8.2	Single electrical point	Every single electrical point would be considered as one fixed electrical extension board on the wall having one switch and three female sockets together of 5/15 amp or 6/16Amp		
8.3	Switches and sockets:	Modular design, make: North west or Havel's		

8.4	Cable Rating	From Electric meter to Computer room :10 mm Inside computer room for computers: 6 MM.		
8.5	Cabling	Electric cabling should be done inside walls through conduit pipe of branded make and not be visible from outside		
8.6	MCB Box	(6 way,8 way)		
9. Civil Work				
9.1	Size & Thickness	The floor tiles should be of standard make, minimum ½” thickness and should not be less than 400x400 mm size.		
10. Computer, Printer & Scanner Tables				
10.1	Computer table	Min Size: 800W x 400D x 750H mm		
		<ul style="list-style-type: none"> The table top made up of 18mm thick, pre-laminated particle board (OSL) with PVC Straight edge covering. Other panels: made of 18mm thick plain particle board with Foil lamination finish & Melamine edge covering Keyboard tray to be provided with roller runner. PVC nail foot provided at base 		
10.2	Printer & Scanner Tables	Size: 600W x 400D x 750H mm		
		<ul style="list-style-type: none"> The table top made up of 18mm thick, pre-laminated particle board (OSL) with PVC Straight edge covering. Other panels: made of 18mm thick plain particle board with Foil lamination finish & Melamine edge covering Keyboard tray to be provided with roller runner. PVC nail foot provided at base 		
11. Chairs				
11.1		<ul style="list-style-type: none"> Branded PVC / Plastic Molded without arms chair. (VIP, supreme) Power coated Metal Frame 		
12. Microphone				
12.1	Microphone	· Desktop Microphone compatible with operating systems.		

		· Having USB interface		
		· With noise correction system		
		· Necessary driver must be installed in all PC's		
13. Web Camera				
13.1	Web Camera	· Web cam compatible with operating systems		
		· Having USB interface, Digital ZOOMx and auto lighting for night vision, 1.3 Mega Pixel Interpolated Resolution.		
		· It shall capture still images, having build in snapshot buttons and Wide angle lens.		
		· Necessary driver must be installed in all PC's		
14. UPS 5KVA				
Sl. No.	Parameters	5 KVA (204 Nos.)		
1	Input Parameters			
i.	Technology of Rectifier	Microprocessor controlled True On-line Double conversion PWM Technology, using IGBT as switching devices		
ii.	Rated Voltage	220V, single phase, 3 wire		
iii.	Voltage range	140V-260V		
iv.	I/p Frequency range	45-55Hz		
v.	Power factor	power factor => .9		
2	Battery: Lead acid maintenance free battery SMF Sealed Valve Regulated Lead Acid (VRLA) battery, maintenance free with steel rack for battery housing.			
i.	Charging capability	Max in 6 H for 90%		
ii.	Backup capability	To maintain 14000VAH (minimum) with the combination of 65AH or 75AH or 100 AH of 12 V each (Batteries for backup to be supplied as per BoM)		
3	Output Parameters			
i.	Power factor	0.8		
ii.	Voltage	220V, single phase		
iii.	O/P Voltage THD	<3% for non-linear		
iv.	Crest factor	3:01		
v.	Efficiency	>95% full load		
vi.	Overload performance (% of rated load)	1 min for 125%		
vii.	Bypass	Built-in		
4	System parameters , environmental parameters			
	System efficiency	>92%		

	Noise	<55Db		
	Display	LCD/ LED		
	Safety	IEC/EN61000-3-11,12 Or equivalent conformance		
	Surge protection	IEC/EN62040-2 meeting IEC/EN61000-4-5		
	Communication	USB		
	Operating Temp	0-40 degree		
	Relative humidity	5-95% without condensation		
	Alarm	a) Mains Fail		
		b) Low Battery		
		c) Overload		
		d) Overheat		
	Protection	a) Input Over/ Under Voltage		
		b) Overload at the output		
		c) Battery Short Circuit		
		d) Over Temperature Protection		
	Quality standard	ISO certification, safety & EMC certification as per IEC standards.		
		Built-in isolation transformer		
	Note: LCD/ LED Display: Status display with load and battery bar-graphs and On Line : On Battery : Replace Battery : Overload and Bypass			
15. UPS 10 KVA				
Sl. No.	Parameters	10KVA (one No.)		
1	Input Parameters			
i.	Technology of Rectifier	Microprocessor controlled True On-line Double conversion PWM Technology, using IGBT as switching devices		
ii.	Rated Voltage	415V +/-10% , 3- phase, 4 wire		
iii.	Voltage range	The input Voltage range for 3 phase input and 1 phase output 10 KVA UPS will be 400V + 10 %		
iv.	I/p Frequency range	45-55Hz		
v.	Power factor	power factor => .9		
2	Battery : Lead acid maintenance free battery SMF Sealed Valve Regulated Lead Acid (VRLA) battery, maintenance free with steel rack for battery housing.			
i.	Charging capability	Max in 6 H for 90%		
ii.	Backup capability	To maintain 38000 VAH (Minimum) with the combination of 65AH or 75AH or 100 AH of 12 V each		
		(Batteries for backup to be supplied as per BoM)		
3	Output Parameters			

i.	Power factor	0.9		
ii.	Voltage	220V		
iii.	O/P Voltage THD	<3% for non- linear		
iv.	Crest factor	3:01		
v.	Efficiency	>95% full load		
vi.	Overload performance (% of rated load)	125-150% for 1 min 105-125% for 5 min		
vii.	Bypass	Built-in		
4	System parameters , environmental parameters			
	System efficiency	>92%		
	Noise	<55db		
	Display	LCD/ LED		
	Safety	IEC/EN61000-3-11,12 Or equivalent conformance		
	Surge protection	IEC/EN62040-2 meeting IEC/EN61000-4-5		
	Communication	USB		
	Operating Temp	0-40 degree		
	Relative humidity	5-95% without condensation		
	Alarm	a) Mains Fail		
		b) Low Battery		
		c) Overload		
		d) Overheat		
	Protection	a) Input Over/ Under Voltage		
		b) Overload at the output		
		c) Battery Short Circuit		
		d) Over Temperature Protection		
	Quality standard	ISO certification, safety & EMC certification as per IEC standards.		
		Built-in isolation transformer		
	Note: LCD/ LED Display: Status display with load and battery bar-graphs and On Line : On Battery : Replace Battery : Overload and Bypass			
16	UPS Battery			
a.	Battery load 5KVA	12 V, 65 AH or 75 AH, or 100AH To maintain 14000 VAH (Minimum)		
b.	Battery load 10 KVA	12 V, 100 AH To maintain 38000 VAH (Minimum)		
c.	Type	SMF VRLA		
	Note: Battery cost of 12V, 65 AH, 75AH and 100AH shall be provided separately			
17	Chemical Earthing for ICT centers (Schools) along with electrical wiring specified at Sl. No. 8 above			
a.	There should be Earthing system for all IT Equipment/Network equipment.			

	b.	Chemical electrode (consisting of K type copper pipe/strip of 1.5 inch dia, having capacity of approx. 45 kg chemical)		
	c.	Copper/Metal strip of 1.5 inch dia (if required ,for extra use other than those used in chemical electrode		
	d.	PVC Pipe (dia 20 mm)		
	e.	Single electrode earthing to guarantee earthing resistance of 2 ohms max.		
18		Video Conference/ Net meeting system for 205 schools Master license : 5 numbers (MCU), 205 child (P2P) license		
	a.	VC System should be capable of handling up to 205 customers (one per school) User-friendly Interface & centralized Instant Messaging Server Sending instant messages, secured file transfers. The system should support at least 720p resolution.		
	b.	Tool should have facility for registering for future meetings or view recordings of past meetings. Tool should have option for registering profile of end customer or school.		
	c.	Screen sharing: Share anything that can be displayed on your computer, including PowerPoint, Excel, Word and web pages, MCU Interpretability to connect to any IP based VC device.		
	d.	Concurrently any 5 schools can join the conference for multi party conference out of any PC's of any 204 schools.		
	e.	Record and Share Meetings proceeding including screen sharing and the audio, even if it's over a conference call		
	f.	Interaction through text chat, Q&A feature		
	g.	Email send attendees a link to the meeting recording, should be done in a Local PC.		
	h.	Online Tutorials & Daily Live Training		
	i.	Online support-resources - including many short video tutorials - or join any of our live daily Q&A sessions		
		Important(For all items) Note: No technical product (Hardware/software) should have end of life in next 1 year & end of support in next 5 years from the date of submission of quotation. An undertaking from OEM must be submitted by prospective bidder.		

Annexure II

Specifications of items with respect to Hardware items listed in TABLE "B" of Bill of Material

Sl. No.	Item		Compliance (Yes/No) with Make/Model	If 'yes' give details & support documents & its Reference in bid at Page No.
1	Blade Chassis : Minimum Configuration			
1.1	Description	Should be able to Provide common redundant resources essential for the Blade Servers like Power, Ethernet, Storage Controller etc		
1.2	Blade Bays	Blade Chassis to accommodate minimum of six quantities of Full Height form factor Hot Plug-gable Blade Servers or twelve quantities of half height form factor blade servers		
1.3	Ethernet Switch	2 Redundant 1GB Ethernet Layer 2+ switch to be provided in the chassis with at least 8Nos of External Gigabit Ethernet Ports		
1.4	Storage Controller	Chassis should be configured with dual Redundant Hot-Swap SAS/ISCSI Storage Controller for connecting Internal/External storage and should support hardware Raid 0,1,5,6 and 10 with battery backup		
1.5	Clustering	Chassis should include features like Advance Clustering & and should be capable of Virtualization		
1.6	Management Modules	Chassis should be configured with integrated IP KVM switch module for managing the Blade chassis locally as well as remotely		
1.7	Storage	Chassis should be configured and loaded with at least 12.6 TB of Internal / External storage through 6 Gbps SAS HDDs with at least 10K RPM. Each storage controller should have minimum 4GB cache memory		
1.8	Power Modules	Chassis should be fully configured with all the Power supplies of highest capacity along with hot swappable Fan Modules		
1.9	Form Factor	10U or Less		
1.10	CD/Diskette/USB	Chassis should be configured with Internal/external DVD-RW Drive		
1.11	System Panel	LED/LCD panel to provide power-on, location, over temperature, information and system error conditions		
1.12	Certifications	Should be Certified for Windows 2003/2008, RHEL, VMware ESXi 4.1 or above, SAP		

2	Way Blade Server (32 GB RAM) - Quantity - 04 Minimum Configuration			
2.1	CPU	Latest generation x86 Six core processor blade server populated with 2 processors which supports multithreading @ 2.66 GHz each or higher		
2.2	Cache L3	12 MB of L3 Cache		
2.3	Chipset	Latest chipset to be provided to support above given processor specifications		
2.4	Memory	32 GB Registered DDR3 1333 MHz Registered ECC Memory Upgradeable to 192 GB		
2.5	Active Memory protection	ECC memory protection support		
2.6	Graphics Controller	Integrated Graphics of At least 8 MB SDRAM		
2.7	Connectivity	Dual port connectivity either for Internal storage if offered or through External storage		
2.8	Power Supply	From the Blade Chassis via Redundant Power Connectors		
2.9	Ethernet ports	Server should be configured with four quantities of 1Gbps Ethernet Ports		
2.10	Failure Alerting Mechanism	The server should be able to alert impending failures on maximum number of components. The components covered under alerting mechanism should at least include Processor, memory, HDDs and expansion cards		
2.11	OS Support	Should be Certified for Windows 2008/2012, RHEL, VMware ESXi 4.1 or above		
3	Firewall UTM Box :			
	Gateway Hardware and software with Firewall and Router capabilities			
3.1	Performance			
	The gateway should confirm to following performance parameters			
	(i)	Stateful Firewall Throughput 1000 Mbps or more		
	(ii)	Firewall and router combined throughput (64 byte) 200,000 pps or more		
	(iii)	Virtual Private Network (VPN) Throughput 225 Mbps or above		
	(iv)	Internet Protocol Security (IPSec) Tunnels 1000 or above		
	(v)	Concurrent sessions 100,000 or more		
	(vi)	IMIX Firewall Performance 500 Mbps or more		
	(vii)	UTM Performance (IPS) 200 Mbps or more		
	(viii)	No. of users supported unlimited		
	(ix)	Physical Interface Ports to be available		
		a. Gigabit Ethernet- 10/100/1000- T ports 16 nos.		
		b. USB 2 nos.		
		c. Console port 1 no.		
	(x)	Definable security policies 4000 or more		

	(xi)	Security Zones and virtual router definable 25 or more each		
	(xii)	DRAM to be available 1 GB		
	(xiii)	Flash memory to be available 1 GB		
	(xiv)	VLANs More than 100		
3.2	Access Control			
	(i)	User Authentication and unlimited Access control.		
	(ii)	The appliance should have comprehensive control and support for the following:		
		a. Lightweight Directory Access Protocol (LDAP)		
		b. Electronic Mail (SMTP, POP3)		
		c. File Transfer Protocol (FTP)		
		d. World Wide Web (HTTP,HTTPS,SSL)		
		e. Domain Name Server (DNS)		
		f. Dynamic Host Configuration Protocol (DHCP)		
		g. Terminal services (TELNET)		
		h. RADIUS		
		i. Serial RS-232, V.35, 801.1q VLAN support		
		j. Layer 2 switching - VLAN 802.1q and 802.1x		
		k. Network layer and Application layer traffic support.		
	(iii)	It should be able to integrate with proxy server for TCP, UDP etc. at the transport layer.		
	(iv)	It Should be able to perform Packet filtering.		
	(v)	It should be able to perform ingress traffic policing.		
	(vi)	Source Network Address Translation (NAT) with Port Address Translation		
	(vii)	Provide Software certificate and key management support.		
	(viii)	Provide ActiveX blocking based on user-defined rules.		
	(ix)	Provide URL, IP Address filtering		
	(x)	Provide Content based filtering		
	(xi)	Java applet filtering capabilities		
3.3	Routing Services			
	(i)	Support for full IPv4 and IPv6 protocols.		
	(ii)	It should support both source and policy based routing and have Open Shortest Path First (OSPF), BGP, RIPv2, static & dynamic routing, IP address management, DNS, MPLS and Multicast routing protocols.		
3.4	Security Features:			
	(i)	It should be based on deny all services except those specifically permitted policy. It should provide for configuring Stateful Firewall, Zones, ACL filters and screens with definable policies.		
	(ii)	Prevention of denial of service attack and IP spoofing and inbound Ping.		
	(iii)	Scanning of web traffic for hostile code and guard against malicious java, Active X and java script.		
	(iv)	Unified Threat management with Intrusion Prevention System-Antivirus, Antispam, Web filtering, IPS, Content filtering etc with antivirus signature database.		
	(v)	The Firewall should be capable of detecting the		

		following attacks.		
		a) SYN Flood attack.		
		b) ICMP sweep attack.		
		c) UDP Flood.		
		d) Ping of death.		
		e) IP Spoofing.		
		f) Port Scan.		
		g) Land attack.		
		h) Tear drop attack.		
		i) filter IP source route option		
		j) IP address sweep attack		
		k) Java/ActiveX/Zip/EXE.		
		l) Default packet deny		
		m) User-defined Malicious URL.		
		n) Session limit per Host.		
		o) SYN fragments.		
		p) TCP frames without flags.		
		q) SYN and FIN bits set.		
		r) FIN without ACK bits set.		
		s) ICMP fragments.		
		t) Unknown Protocols.		
		u) Timestamp Option set.		
3.5	Virtual Private Networking (VPN) Standards:			
	(i)	Manual Key, Internet Key Exchange (IKE), Public Key Infrastructure (PKIX.509).		
	(ii)	DES (56-bit), 3DES (168-bit) & AES (256-bit) encryption.		
	(iii)	Site-to site and remote-access VPN.		
	(iv)	Star (hub and spoke) VPN network topology.		
	(v)	IP Sec Authentication.		
	(vi)	PKI Certificate requests (PKCS 7 & PKCS 10)		
	(vii)	VPN tunnels on any interface.		
	(viii)	It should support the ability to initiate and/or terminate IPSec VPN tunnels on external interface of the firewall itself, allowing action for antivirus filtering.		
3.6	Management:			
	(i)	It should have a command line interface (CLI) as well as Web-based GUI for easy, quick hardware configuration along with suitable software for management of security policies, monitoring and other features.		
	(ii)	It should support SNMP management, Local management and Remote management for monitoring etc.		
	(iii)	Management should be based on IP Address, user, application, or time of day.		
	(iv)	Monitoring Syslog, statistics, alarms, event log etc. to generate logging information.		
3.7	Other features:			
	(i)	The solutions should be able to integrate with certified security products such as VeriSign, Entrust Microsoft etc.		

	(ii)	The firewall solution should be able to provide VPN termination on any interface.		
	(iii)	The solution should have Integrated Bandwidth, Traffic management features as mentioned below:		
		a. The firewall should be able to set guaranteed bandwidth and maximum bandwidth based on IP's well as ports.		
		b. It should also have multiple levels of prioritization for the traffic.		
		c. Traffic management should allow the network administrator to monitor, analyze, and allocate bandwidth utilized by various types of network traffic in real time.		
	(iv)	Two Internet connections can be used to distribute or load-balance outbound WAN traffic, WAN failover for reliable Internet connectivity.		
	(v)	Natting of IP Address		
	(vi)	Controlling access to resources per source IP Address or Mac address		
	(vii)	Intrusion Prevention System (IPS) to detect and block attacks and malicious activities.		
	(viii)	Port blocking		
	(ix)	Three Year License for all 4 features of UTM - IDP, Web filtering, Antispam, Antivirus.		
	(x)	The hardware should be Rack Mountable.		
	(xi)	Power Requirements: Nominal Input voltages: 220V AC, 50 Hz.		
		Next day support of UTM Box for 3 years		
4.		IP KVM Switch with display		
	(i)	IP-Based LCD KVM switches		
	(ii)	8 Port KVM switch built in		
	(iii)	17" LCD Console combined with an IP-Based KVM switch		
	(iv)	Local console support/ External console support		
	(v)	Dual Rail housing should be slightly less than 1U in height for rack mounting Integrating an LCD monitor, keyboard, and touchpad in a Dual Rail housing.		
	(vi)	Extra mouse port		
	(vii)	KVM Cable sets, Power cable		
5.		42 U Rack 19"		
	(i)	42U Standard 19" Vented Rear Door Glass Front Door		
	(ii)	2 Sets of adjustable mounting rails (adjusting in 1 inch increments)		
	(iii)	Removable/lockable side panels Cage nut style mounting rails		
	(iv)	Top and bottom removable cable slots Glass front door/Vented Rear door		
	(v)	Rail Width - 19 inch EIA Compliant Height - 80.5 Inches Depth- 37.75" Width- 23.5"		
	(vi)	Fans assembly kit		

6.	Help Desk Tool			
	(i)	The Software tools must have all the features required for management of complaints i.e. logging a complaint with all user details, generating & tracking complain ticket nos., analyzing complaints, acknowledgements and report generation, escalation		
	(ii)	It should suitable for all environments, OS etc.		
	(iii)	Calls/ Complaints may also be accepted through a through toll free number and issue the tickets.		
	(iv)	The complaints may be resolved by manual visits of service Engineers or through remote assistance		
7.	Operating Systems			
	(i)	Windows 2012 server data centre edition Windows server device CAL-5		
8.	Windows Server External connector			
9.	Database Server			
	(i)	Industry Standard RDBMS - MS SQL 2012,Oracle		
Important (For all items)				
Note: No technical product (Hardware/software) should have end of life in next 1 year & end of support in next 5 years from the date of submission of quotation. An undertaking must be submitted by prospective bidder signed by OEM.				

Annexure-III**Proforma for Rates for items proposed (BoM)-----TABLE-“A”**

Sl.	Item	Qty (A)	Unit Price (B)	Total Price (C) C=A*B	Sales Tax/ VAT (D)	Service Tax / VAT (E)	Total Cost (F) F=C+D+E
1.	Preinstalled Desktop PCs with OS-Windows 8 (64 bit) - Academic	2043					
2.	Officejet/ Laserjet Printer cum Scanner (with one cartridge preinstalled)	205					
3(a)	16 Port Layer-2 Ethernet Switch	205					
3(b)	Wi-Fi Access Point - (WLAN) 802.11a/b /g /n	205					
4.	LCD/DLP Portable Projector	205					
5.	Microsoft Office 2010 , Academic Ed (Pre-Installed)	2043					
7.	LAN cabling with active 16 points & 20 patch	205					

	cords at 204 schools and at Data Centre						
8.	Electrical Cabling for all supplied items at 204 schools and at Data Centre	205					
9.	Civil work	100					
10.	Computers, Printer/Scanner Tables	2247					
11.	Chairs (12 per site) at 204 sites and 5 at data centre	2453					
12.	Microphone	205					
13.	Web camera	205					
14.	UPS 5 KVA	204					
15.	UPS 10 KVA	01					
16.	SMF Batteries						
a.	100 AH, 12 V For 10KVA UPS	32					
b.	75 AH, 12 V (16-batteries at each of the 204 schools) for 5KVA UPS OR	3264					
c.	65 AH, 12 V (18 batteries at each of the 204 schools) for 5KVA UPS OR	3672					
d.	100AH, 12V (12 batteries at each school of the 204 schools) for 5KVA UPS	2448					
17.	Chemical Earthing	205					
18.	Video Conferencing Tool	205					
19.	Consumable items						
a.	Printer cartridge of the offered printer	01					
b.	Projector bulb	01					
c.	12 V Batteries, 75 AH,	01					
d.	12 V Batteries, 65 AH,	01					
e.	12 V Batteries, 100 AH,	01					
20.	AMC of 1 year after 3 year warranty ##	All Items					
TOTAL (G)							

Note:

1. The rate of tile flooring per meter may also indicate here, so that actual payment as per room size could be made. The number of site may also increase as per conditions of sites during feasibility survey.

2. Battery backup capability for 10 KVA shall be maintained 38000 VAH(minimum) with 100 VA,12 V batteries only
3. Battery backup capability for 5 KVA shall be maintained at least 14000 VAH (minimum) with 65 AH or 75 AH, or 100AH, 12 V batteries only. Thus bidder shall offer any one of 16b or 16 c or 16d. The cost of consumables will be added in L1 calculation. The quantity of batteries of each UPS will be adjusted as per offered UPS design.
4. Bidder has to provide the cost of each consumable listed at Sl. No. 19 above separately that shall be valid for at least 02 year after the delivery of items at respective sites.

Proforma for Rates for items proposed (BoM)-----TABLE-“B”

Sl.	Item	Qty (A)	Unit Price (B)	Total Price (C) C=A*B	Sales Tax/ VAT (D)	Service Tax / VAT (E)	Total Cost (F) F=C+D+E
1.	Blade Chassis	1					
2.	Blade Servers	4					
3.	Firewall	1					
4.	KVM Switch	1					
5.	42 U Rack	1					
6.	Help Desk Tools	1					
7.	Windows 2012 server edition with 10 device cal	1					
8.	Windows Server External connector	4					
9.	Database software (RDBMS) for one blade server	1					
10.	AMC of 1 year after 3 year warranty ##	All Items					
TOTAL (G)							

Breakup of AMC for all items may also be provided in separate sheet.

ERNET India may at its discretion reduce/increase the quantity of any item or may drop any of the items, as per the requirement, in the Purchase Order. The rates of any item will be valid for next 3 years from PO issue date, hence firm has to supply additional items in future at same rate quoted in the tender.

Annexure –IV**SERVICE LEVEL AGREEMENT**

Terms of the Service Level Agreement would be as under:

1. All the supplied hardware/software should be under three year on site free comprehensive warranty
2. Bidder guarantees that for all the supplied hardware/software downtime should not exceed 5% averaged on a yearly basis for 24x7x365 days operation.
3. The maximum time to repair (MTTR) to any complaint will not exceed 72 Hrs. However, prior exception to the above MTTR shall be taken from ERNET on case-to-case basis.
4. Bidder should provide a satisfactory certificate duly signed and stamped by the user at the end of each year failing which balance payment will not be released till then.
- 5(a) *During the warranty*: In case the maximum time to repair supplied equipments exceeds the above-mentioned duration then the warranty period of that equipment will be extended proportionately which will be two-times the number of days the system would remain down.
- (b) *During the Warranty period*: In case the equipments are not made operational within a week from the lodging of the complaint, Bank Guarantee provided by the bidder to ERNET India shall be invoked in respect of that equipment during warranty period.

The Downtime of the equipment starts from the time ERNET India's complaint is logged in at the bidder address as provided by the bidder for escalating complaints. Any delay in this shall be excluded from the availability calculations. The complaint can be logged during working hours (9.00 AM - 6.00 PM on all working days, excluding Sundays & National Holidays). Any delay in escalating a complaint shall be excluded from the availability calculations.

Annexure - VBidder's Profile**A. General Information:**

- i) Location of Corporate Headquarters:
- ii) Date and country of Incorporation:
- iii) Location and address of Help Desk/Support Center:
- iv) Toll free number for support:
- v) Service Facility(ies) Location:
 - (a) No. in India
 - (b) Average value of inventory of spares per service location
- vi) Technical collaborators (if any):
- vii) Turnover For last three financial years:

Year I (2010-11)	Year I (2011-12)	Year I (2012-13)

Note: Certificate from CA must be enclosed.

- viii) Geographical distribution of the Bidder:
(Offices, locations to be specified with their respective staff strength)
- ix) Details of Partner/Partners in case Tenderer bid in consortium:
- x) For last five year experience (Refer Point no. 4 of Section B) relevant documents with Purchase copy orders & there successful commissioning/completion may be enclosed in tender.
- xi) Details of similar installation on turnkey basis during last three years:

S. No.	Customer Name and Address	Contact Person's Name, Designation, Phone/ Fax Nos.	Item supplied, Date of supply	No. of units supplied

Annexure-VI

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
10th Floor, Jeevan Prakash Building,
25, K.G. Marg,
New Delhi-110 001

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: _____

Annexure-VII

Format for Affidavit of Self Certification regarding Domestic Value Addition in an Electronic Product to be provided on Rs.100/- Stamp Paper

Date:

IS/o, D/o, W/oResident of.....do hereby solemnly affirm and declare as under:

That I will agree to abide by the terms and conditions of the policy of Government of India issued vide Notification No:8(78)/20 I O-IPHW dated 10.2.2012.

That the information furnished hereinafter is correct to best of my knowledge and belief and I undertake to produce relevant records before the procuring authority or any authority so nominated by the Department of Electronics and Information Technology, Government of India for the purpose of assessing the domestic value addition.

That the domestic value addition for all inputs which constitute the said electronic product has been verified by me and I am responsible for the correctness of the claims made therein.

That in the event of the domestic value addition of the product mentioned herein is found to be incorrect and not meeting the prescribed value-addition norms based on the assessment of an authority so nominated by the Department of Electronics and Information Technology, Government of India for the purpose of assessing the domestic value-addition. I will be disqualified from any Government tender for a period of 36 months. In addition, I will bear all costs of such an assessment.

That I have complied with all conditions referred to in the Notification No wherein preference to domestically manufactured electronic products in Government procurement is provided and that the procuring authority is hereby authorized to forfeit and adjust my EMD and other security amount towards such assessment cost and I undertake to pay the balance, if any, forthwith.

I agree to maintain the following information in the Company's record for a period of 8 years and shall make this available for verification to any statutory authorities.

- i. Name and details of the Domestic Manufacturer (Registered Office, Manufacturing unit location., nature of legal entity)
- ii. Date on which this certificate is issued
- iii. Electronic Product for which the certificate is produced
- iv. Procuring agency to whom the certificate is furnished
- v. Percentage of domestic value addition claimed

- vi. Name and contact details of the unit of the manufacturer
- vii. Sale Price of the product
- viii. Ex-Factory Price of the product
- ix. Freight, insurance and handling
- x. Total Bill of Material
- xi. List and total cost value of inputs used for manufacture of the electronic product
- xii. List and total cost of inputs which are domestically sourced. Please attach certificates from suppliers, if the input is not in-house.
- xiii. List and cost of inputs which are imported, directly or indirectly

For and on behalf(Name of firm/entity)

Authorized signatory (To be duly authorized by the Board of Directors)

<Insert Name, Designation and Contact 0.>

List of 204 Schools of Srikakulam

Annexure - VIII

SL NO	DISTRICT NAME	SCHOOL NAME	BLOCK NAME	VILLAGE NAME
1	SRIKAKULAM	ZPHS JR PURAM	RANASTHALAM	JAGANNADHARAJA PURAM
2	SRIKAKULAM	ZPHS M.SARIYAPALLI	KANCHILI	MATHAMSARYAPALLI
3	SRIKAKULAM	GTWAHS HADDABHANGI	SEETHAMPETA	HADDABHANGI
4	SRIKAKULAM	ZPHS LODDAPUTTI	ICHAPURAM	LODDAPUTTI
5	SRIKAKULAM	A.P. TW E I R. SCHOOL (GI	SEETHAMPETA	SEETHAMPETA
6	SRIKAKULAM	ZPHS RAGOLU	SRIKAKULAM	RAGOLU
7	SRIKAKULAM	ZPHS SIRIPURAM	MANDASA	SIRIPURAM
8	SRIKAKULAM	APTWRS BOYS PEDDAMADI	MELIAPUTTI	PEDDAMADI
9	SRIKAKULAM	APTWRS SANTHAMALLI	SEETHAMPETA	MALLI
10	SRIKAKULAM	APTWRS BOYS	SEETHAMPETA	SEETHAMPETA
11	SRIKAKULAM	ZPHS DONKURU	ICHAPURAM	BURJAPADU
12	SRIKAKULAM	APSWRS MADDUVALASA	VANGARA	MADDUVALASA
13	SRIKAKULAM	GTWAGHS PEDDAMADI	MELIAPUTTI	PEDDAMADI
14	SRIKAKULAM	APSWRS BHAMINI	BHAMINI	BHAMANI
15	SRIKAKULAM	ZPHS KHURIGAM	KOTTURU	KHURIGAM
16	SRIKAKULAM	ZPHS SRIKURMAM (GIRLS)	GARA	SRIKURMAM
17	SRIKAKULAM	APSWRS(G) ETCHERLA	ETCHERLA	ETCHERLA
18	SRIKAKULAM	APSWRS PATHAPATNAM	PATHAPATNAM	PATHAPATNAM
19	SRIKAKULAM	ZPHS KARAJADA	MELIAPUTTI	KARAJADA
20	SRIKAKULAM	ZPHS(GIRLS) PALAKONDA	PALAKONDA	PALAKONDA (PT)
21	SRIKAKULAM	ZPHS JARJANGI	KOTABOMMALI	JARJANGI
22	SRIKAKULAM	ZPHS RENTIKOTA	PALASA	RENTIKOTA
23	SRIKAKULAM	ZPHS METTAVALASA	LAVERU	BUDATHAVALASA
24	SRIKAKULAM	ZPHS BURJA	BURJA	BURJA
25	SRIKAKULAM	ZPHS B.R.C.PURAM	SOMPETA	BESIRAMACHANDRAPURAM
26	SRIKAKULAM	ZPHS MUDDADA	ETCHERLA	MUDDADA
27	SRIKAKULAM	ZPHS MANDAVAKURITI	SANTHAKAVITI	MANDAVAKURITI
28	SRIKAKULAM	ZPHS OV PETA	BURJA	VOPIVADAVENKAMPETA
29	SRIKAKULAM	ZPHS BIRLANGI	ICHAPURAM	BIRLANGI
30	SRIKAKULAM	ZPHS GOKARNAPURAM	KANCHILI	GOKARNAPURAM
31	SRIKAKULAM	ZPHS MUTYALAPETA	KAVITI	KAPASUKUDDI
32	SRIKAKULAM	ZPHS FAREEDUPETA	ETCHERLA	SHERMAHAMMADPURAM
33	SRIKAKULAM	GTWAHS BANDAPALLE	MELIAPUTTI	BANDLAPALLE
34	SRIKAKULAM	ZPHS GULUMURU	HIRAMANDALAM	GULUMURU
35	SRIKAKULAM	ZPHS SANTHAVURITY	G.SIGADAM	SANTHAVURITY
36	SRIKAKULAM	ZPHS PEDDADIMILI	BHAMINI	PEDDADIMILI
37	SRIKAKULAM	ZPHS LINGALAVALASA	R.AMADALAVALASA	LINGALA VALASA
38	SRIKAKULAM	ZPHS KORNI	GARA	KORNI

39	SRIKAKULAM	ZPHS KOTTAPALLI	KOTABOMMALI	KOTHAPALLE
40	SRIKAKULAM	ZPHS VAJRAPUKOTTURU	VAJRAPUKOTTURU	VAJRAPUKOTTURU
41	SRIKAKULAM	ZPHS DEVARAVALASA	G.SIGADAM	DEVARAVALASA
42	SRIKAKULAM	ZPHS KOTTAPETA	ETCHERLA	MUDDADA
43	SRIKAKULAM	ZPHS HARICHANDRAPURAM	KOTABOMMALI	HARICHANDRAPURAM
44	SRIKAKULAM	ZPHS D.MATHILESAM	ETCHERLA	DHARMAVARAM
45	SRIKAKULAM	ZPHS KAMBAKAYA	NARASANNAPETA	KAMBAKAYA
46	SRIKAKULAM	ZPHS PEDDAMURAHARIPURAM	VAJRAPUKOTTURU	PEDDAMURAHARIPURAM
47	SRIKAKULAM	ZPHS SILAGAMSINGIVALASA	SRIKAKULAM	SILAGAMSINGIVALASA
48	SRIKAKULAM	ZPHS G.R.PURAM	MANDASA	VEERAGUNNAMAPURAM
49	SRIKAKULAM	ZPHS BATHUVA	G.SIGADAM	BATHUVA
50	SRIKAKULAM	ZPHS GUTTAVALI	BURJA	GUTTAVALI
51	SRIKAKULAM	ZPHS BHASURU	PALAKONDA	BHASURU
52	SRIKAKULAM	ZPHS KARTHALIPEM	SOMPETA	KARTHALIPEM
53	SRIKAKULAM	ZPHS KUSUMPURAM	KAVITI	KUSUMPURAM
54	SRIKAKULAM	ZPHS BHAMINI	BHAMINI	BHAMANI
55	SRIKAKULAM	GTWAGHS BUDAMBO	MANDASA	SINGUPURAM
56	SRIKAKULAM	ZPHS SAHALALAPUTTUGA	KAVITI	SILAGAM
57	SRIKAKULAM	ZPHS SONDIPUDI	MANDASA	SONDIPUDI
58	SRIKAKULAM	ZPHS SARUBUJILI	SARUBUJILI	SARUBUJILI
59	SRIKAKULAM	ZPHS NEELANAGARAM	VEERAAGHATTAM	NEELANAGARAM
60	SRIKAKULAM	GTWAHS JAYAPURAM	NANDIGAM	JAYAPURAM
61	SRIKAKULAM	ZPHS VOPPANGI	SRIKAKULAM	VOPPANGI
62	SRIKAKULAM	ZPHS PATHAKOJJIRIA	KAVITI	KOJJIRIA
63	SRIKAKULAM	ZPHS THOLAPI	PONDURU	THOLAPI
64	SRIKAKULAM	ZPHS KAKITAPALLE	SARUBUJILI	CHINNAKAKITAPALLE
65	SRIKAKULAM	ZPHS ROMPIVALASA	PATHAPATNAM	ROMPIVALASA
66	SRIKAKULAM	ZPHS TALAGAM	TEKKALI	TALAGAM
67	SRIKAKULAM	ZPHS PALAVALASA	SOMPETA	PALAVALASA
68	SRIKAKULAM	ZPHS NARASINGAPALLI	TEKKALI	NARASINGASPALLI
69	SRIKAKULAM	ZPHS YERRAMUKKAM	SOMPETA	SIRIMAMIDI
70	SRIKAKULAM	GTWHS CHINABAGGA	SEETHAMPETA	MARRIPADU
71	SRIKAKULAM	KGBV VANGARA	VANGARA	VANGARA
72	SRIKAKULAM	KGBV SANTHAKAVITY	SANTHAKAVITI	SANTHAKAVITI
73	SRIKAKULAM	KGBV G.SIGADAM	G.SIGADAM	GANGUVARISIGADAM
74	SRIKAKULAM	ZPHS KRISHNAPURAM	MANDASA	SIRIPURAM
75	SRIKAKULAM	ZPHS BETHALAPURAM	MANDASA	BETHALAPURAM
76	SRIKAKULAM	ZPHS KATHULAKAVITI	VEERAAGHATTAM	KATHULAKAVITI
77	SRIKAKULAM	GTWAHS BOMMIKA	PATHAPATNAM	HARIDWARAM
78	SRIKAKULAM	ZPHS TETTANGI	VEERAAGHATTAM	TETTANGI
79	SRIKAKULAM	KGBV RAJAM	RAJAM	RAJAM

80	SRIKAKULAM	K.G.B.V SCHOOL PATAPATNAM	PATHAPATNAM	PATHAPATNAM
81	SRIKAKULAM	ZPHS PANASALAVALASA	R.AMADALAVALASA	PANASALA VALASA
82	SRIKAKULAM	KGBV SANTHABOMMALI	SANTHABOMMALI	BORUBHADRA
83	SRIKAKULAM	ZPHS BURJAPADU	ICHAPURAM	BURJAPADU
84	SRIKAKULAM	ZPHS PEDDAGANGALLAPETA	SRIKAKULAM	MOFASBANDAR
85	SRIKAKULAM	ZPHS BODDURU	SANTHAKAVITI	BODDURU
86	SRIKAKULAM	ZPHS BAIRISARANGAPURAM	MANDASA	BAIRISARANGAPURAM
87	SRIKAKULAM	ZPHS MARUVADA	VANGARA	MARUVADA
88	SRIKAKULAM	ZPHS PEDDADUGAM	JALUMURU	PEDADUGAM
89	SRIKAKULAM	ZPHS LANKAPETA	RANASTHALAM	RAVADA
90	SRIKAKULAM	ZPHS PEDDAPADMAPURAM	MELIAPUTTI	PEDDAPADMAPURAM
91	SRIKAKULAM	ZPHS MAMIDIPALLI	SANTHAKAVITI	MAMIDIPALLI
92	SRIKAKULAM	Z.P.High School(Girls) NARASANNAPETA	NARASANNAPETA	NARASANNAPETA (PT)
93	SRIKAKULAM	ZPHS KOTHAKUNKAM	LAVERU	KOTHA KUNKUM
94	SRIKAKULAM	ZPHS DOKULAPADU	VAJRAPUKOTTURU	DOKULAPADU
95	SRIKAKULAM	ZPHS DEVUNALTHADA	VAJRAPUKOTTURU	DEVUNALTADA
96	SRIKAKULAM	ZPHS NARUVA	RANASTHALAM	NARUVA
97	SRIKAKULAM	ZPHS PURSHOTTAPURAM	SARUBUJILI	PURUSHOTTAPURAM
98	SRIKAKULAM	K G B V MELIAPUTTI	MELIAPUTTI	MEILAPUTTI
99	SRIKAKULAM	ZPHS LAKHAM DIDDI	KOTABOMMALI	LAKKAMDIDDI
100	SRIKAKULAM	GTWA HS GIRLS PATTULOGAM	MANDASA	KONDALOGAM
101	SRIKAKULAM	KGBV DEVUDALA	R.AMADALAVALASA	DEVUDALA
102	SRIKAKULAM	ZPHS WALTAIR	SANTHAKAVITI	VALTAIR
103	SRIKAKULAM	ZPHS BORIGIVALASA	NARASANNAPETA	GOPALAPENTA
104	SRIKAKULAM	GTWAUP PUTHIKAVALASA	SEETHAMPETA	TUMBALI
105	SRIKAKULAM	GTWAHS POOTHIKAVASALA	SEETHAMPETA	MARRIPADU
106	SRIKAKULAM	ZPHS KUNTIBHADRA	KOTTURU	SIRUSUVADA
107	SRIKAKULAM	KGBV SEETHAMPETA	SEETHAMPETA	SEETHAMPETA
108	SRIKAKULAM	ZPHS RAVIVALASA	TEKKALI	RAVIVALASA
109	SRIKAKULAM	ZPHS MUNDALA	KANCHILI	MUNDALA
110	SRIKAKULAM	GTWAHS SAMBHAM	SEETHAMPETA	SAMBHAM
111	SRIKAKULAM	ZPHS BENDI	VAJRAPUKOTTURU	BENDI
112	SRIKAKULAM	ZPHS LINGALAVALASA	TEKKALI	LINGALAVALASA
113	SRIKAKULAM	ZPHS BRAHMANATARLA	PALASA	BRAHMANATARLA
114	SRIKAKULAM	ZPHS PONNADA	ETCHERLA	PONNADA
115	SRIKAKULAM	ZPHS DHARMAVARAM	ETCHERLA	DHARMAVARAM
116	SRIKAKULAM	ZPHS METTURU	VAJRAPUKOTTURU	METTURU
117	SRIKAKULAM	ZPHS GANGUVADA	PATHAPATNAM	GANGUVADA

118	SRIKAKULAM	ZPHS KOTCHERLA	RANASTHALAM	KOTCHERLA
119	SRIKAKULAM	ZPHS AVALANGI	HIRAMANDALAM	AVALANGI
120	SRIKAKULAM	ZPHS MATHALA	KOTTURU	MATHALA
121	SRIKAKULAM	ZPHS SATIVADA	GARA	SATIVADA
122	SRIKAKULAM	ZPHS AMPALAM	POLAKI	AMPALAM
123	SRIKAKULAM	ZPHS KOLLIPADU	SANTHABOMMALI	KOLLIPADU
124	SRIKAKULAM	ZPHS LAKSHIDASUPURAM	NANDIGAM	LAKHIDASUPURAM
125	SRIKAKULAM	GTWAUHS VENNELAVALASA	SARUBUJILI	VENNALAVALASA
126	SRIKAKULAM	ZPHS NAVANAMBADU	SRIKAKULAM	PONNAM
127	SRIKAKULAM	ZPHS BUDUMURU	LAVERU	BUDUMURU
128	SRIKAKULAM	KGBV KOTABOMMALI	KOTABOMMALI	KOTABOMMALI
129	SRIKAKULAM	ZPHS PEDDATAMARAPALLE	NANDIGAM	PEDDATAMARAPALLI
130	SRIKAKULAM	ZPHS B.G.PUTTUGA	KAVITI	BORIVANKA
131	SRIKAKULAM	ZPHS KESAVARAYUNIPALEM	LAVERU	KESAVARAYAPURAM
132	SRIKAKULAM	GTWAHS LABARA	PATHAPATNAM	LABARA
133	SRIKAKULAM	GTWAHS SAVARALINGUPURAM	NANDIGAM	SAVARALINGUPURAM
134	SRIKAKULAM	ZPHS ALLADA	JALUMURU	ALLADA
135	SRIKAKULAM	ZPHS PATHAMEGHAVARAM	SANTHABOMMALI	MEGHAVARAM
136	SRIKAKULAM	ZPHS KILLIPALEM	SRIKAKULAM	PATHASRIKAKULAM (RURAL)
137	SRIKAKULAM	ZPHS GOLLAVALASA	POLAKI	GOLLALAVALASA
138	SRIKAKULAM	ZPHS NARSIPURAM	NANDIGAM	NARSIPURAM
139	SRIKAKULAM	GTWAHS LABBA	KOTTURU	LABBA
140	SRIKAKULAM	ZPHS SUNDARAPURAM	NARASANNAPETA	SUNDARAPURAM
141	SRIKAKULAM	ZPHS KARAVANJA	JALUMURU	KARAVANJA
142	SRIKAKULAM	ZPHS JAGANNADHAPURAM	SANTHABOMMALI	RUNKUHANUMANTHUPURAM
143	SRIKAKULAM	ZPHS BURAGAM	KANCHILI	BURAGAM
144	SRIKAKULAM	ZPHS PAGODU	JALUMURU	PAGODU
145	SRIKAKULAM	ZPHS JADUPALLI	MELIAPUTTI	JADUPALLE
146	SRIKAKULAM	ZPHS VANDUVA	VEERAAGHATTAM	VANDUVA
147	SRIKAKULAM	KGBV RANASTALAM	RANASTHALAM	RANASTALAM
148	SRIKAKULAM	KGBV SCHOOL	AMADALAVALASA	AMADALAVALASA
149	SRIKAKULAM	ZPHS BADAM	NARASANNAPETA	BADAM
150	SRIKAKULAM	ZPHS VALLEVALASA	SANTHABOMMALI	GOVINDAPURAM
151	SRIKAKULAM	ZPHS DIMIDIJOLA	NANDIGAM	DIMIDIJOLA
152	SRIKAKULAM	ZPHS VOMARAVALLI	GARA	VOMARAVALLI
153	SRIKAKULAM	ZPHS PEDDALOGIDI	PATHAPATNAM	BORUBHADRA
154	SRIKAKULAM	ZPHS KONANGIPADU	VANGARA	KONANGIPADU
155	SRIKAKULAM	ZPHS LUKALAM	NARASANNAPETA	LUKALAM
156	SRIKAKULAM	GTWAHS BAIDALAPURAM	PATHAPATNAM	BAIDALAPURAM

157	SRIKAKULAM	ZPHS, DOSARI	RAJAM	D.R.N.VALASA
158	SRIKAKULAM	ZPHS K.AGRAHARAM	NANDIGAM	KAVITI
159	SRIKAKULAM	ZPHS BHAGIRADHIPURAM	HIRAMANDALAM	BHAGIRADHIPURAM
160	SRIKAKULAM	ZPHS AKKUPALLE	VAJRAPUKOTTURU	AKKUPALLE
161	SRIKAKULAM	ZPHS EDDULAVALASA	POLAKI	EDDULAVALASA
162	SRIKAKULAM	ZPHS KK RAJAPURAM	BURJA	KORIKANAKURMIRAJAPURAM
163	SRIKAKULAM	KGVB SRIKAKULAM	SRIKAKULAM	SINGUPURAM
164	SRIKAKULAM	GTWAGHS BHEEMPURAM	TEKKALI	BHEEMPURAM
165	SRIKAKULAM	ZPHS NARSIPURAM GORA	VEERAAGHATTAM	NARSIPURAM
166	SRIKAKULAM	G.T.W.A.HIGH SCHOOL	MELIAPUTTI	GANGARAJAPURAM
167	SRIKAKULAM	ZPHS PEDDABANAPURAM	NANDIGAM	PEDDABANAPURAM
168	SRIKAKULAM	ZPGHS POLAKI	POLAKI	POLAKI
169	SRIKAKULAM	ZPHS JALANTARAKOTA	KANCHILI	JALANTRAKOTA
170	SRIKAKULAM	ZPHS THAMADA	LAVERU	THAMVADA
171	SRIKAKULAM	ZPHS TURAKALAKOTA	NANDIGAM	TURAKALAKOTA
172	SRIKAKULAM	MPL HS CHINTADA	AMADALAVALASA	AMADALAVALASA
173	SRIKAKULAM	KGBV KANCHILI	KANCHILI	KANCHILI
174	SRIKAKULAM	ZPHS VONKULURU	VAJRAPUKOTTURU	METTURU
175	SRIKAKULAM	ZPHS MAMIDIVALASA	BURJA	MAMIDIVALASA
176	SRIKAKULAM	ZPHS KAMBARA VALASA	VEERAAGHATTAM	KAMBARA
177	SRIKAKULAM	ZPHS GARUDABHADRA	VAJRAPUKOTTURU	GARUDABHADRA
178	SRIKAKULAM	ZPHS VN PURAM	RANASTHALAM	VARAHANARASIHMAPURAM
179	SRIKAKULAM	ZPHS POTRAKHANDA	SOMPETA	POTHRAKONDA
180	SRIKAKULAM	ZPHS TAMPA	HIRAMANDALAM	TAMPA
181	SRIKAKULAM	ZPHS MARUVADA	RANASTHALAM	MARUVADA
182	SRIKAKULAM	ZPHS P.MELIYAPUTTUGA	KAVITI	KAVITI
183	SRIKAKULAM	ZPHS PUSAM	LAXMINAR SU PETA	PUSAM
184	SRIKAKULAM	GTWAHS GANGAMPETA	VEERAAGHATTAM	MOKASHARAJAPURAM
185	SRIKAKULAM	ZPHS V.K.GUMADA	VANGARA	J K GUMADA
186	SRIKAKULAM	ZPHS BATHUPURAM	VAJRAPUKOTTURU	BATHUPURAM
187	SRIKAKULAM	ZPHS PALLISARADHI	VAJRAPUKOTTURU	PALLISARADHI
188	SRIKAKULAM	ZPHS BOORAGAM	TEKKALI	BOORAGAM
189	SRIKAKULAM	KGVB MANDASA	MANDASA	MANDASA (PT)
190	SRIKAKULAM	KGBV KUMMARIPETA	GARA	GARA
191	SRIKAKULAM	KGVB VEERAGHATTAM	VEERAAGHATTAM	VEERAGHATTAM
192	SRIKAKULAM	KGBV PONDURU	PONDURU	PONDURU
193	SRIKAKULAM	ZPGHS KOTABOMMALI	KOTABOMMALI	KOTABOMMALI
194	SRIKAKULAM	ZPHS D.G.PUTTUGA	KAVITI	DEPILI GONAPAPUTTUGA
195	SRIKAKULAM	ZPHS KAVITI (ODIA)	KAVITI	KAVITI
196	SRIKAKULAM	KGBV NANDIGAM	NANDIGAM	NANDIGAM
197	SRIKAKULAM	ZPHS TEPPALAVALASA	RANASTHALAM	THEPPALAVALASA
198	SRIKAKULAM	ZPHS LINGALAVALASA	JALUMURU	LINGALAVALASA
199	SRIKAKULAM	ZPHS DEVALABHADRA	NANDIGAM	DEVALABHADRA
200	SRIKAKULAM	KGBV HIRAMANDALAM	HIRAMANDALAM	HIRAMANDALAM

201	SRIKAKULAM	ZPHS RAVICHANDRI	LAXMINARSU PETA	RAVICHANDRI
202	SRIKAKULAM	KGBV BHAMINI	BHAMINI	BHAMANI
203	SRIKAKULAM	ZPHS NELAVANKA	KAVITI	NELAVANKA
204	SRIKAKULAM	ZPHS GORLLEPETA	RANASTHALAM	KRISHNAPURAM
Note: Name of schools may vary/change at the time of implementation				