

GOVERNMENT OF INDIA
DEPARTMENT OF INFORMATION TECHNOLOGY
NATIONAL INFORMATICS CENTRE
(Tender process section)
A-Block, CGO Complex, Lodhi Road, New Delhi –110003

Dated: 26/08/2008

Tender Notice No. NIC/TPS/2008/11

Sealed Bids valid for a minimum period of 120 days from the date of opening (i.e., 05/09/2008) are invited for and on behalf of the President of India for “**THE SUPPLY, TESTING, INSTALLATION, INTEGRATION and MAINTENANCE OF COMPUTER HARDWARE AND NETWORKING SYSTEMS THROUGH EMPANELMENT OF VENDORS UNDER e-Courts PROJECT**”.

Scope of Work	National Informatics Centre has been implementing the e-Courts project, financed by Government of India. The scope of the tender is to equip Supreme Court, High Courts and all District & Subordinate Courts with necessary hardware & establishment of Local Area Network approximately in 2500 court complexes all across the country for its computerization. This tender caters to the procurement of hardware systems and related sub-systems required for the project.
Earnest Money Deposit to be submitted	Rs.3,00,00,000 /=- (Rupees Three Crores only)

Pre-bid sessions were held on 18/06/2008 & 2/07/2008 at NIC-HQ for answering any query and clarifications on the tender document. Based on the Pre- Bid Session NIC has amended the tender.

Interested parties may view and download the tender document containing the detailed terms & conditions, free of cost from the website <http://tenders.gov.in>.

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Ministry of Communications and Information Technology
Department of Information Technology
NATIONAL INFORMATICS CENTRE
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A-Block, C.G.O. Complex, Lodhi Road
NEW DELHI-110 003

Tender No. NIC/TPS/2008/11

**TENDER DOCUMENT FOR THE SUPPLY, TESTING,
INSTALLATION AND INTEGRATION**

OF

Computer Hardware

AND

Networking Systems Through

EMPANELMENT OF VENDORS

UNDER e-Courts PROJECT

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1. OBJECTIVE / SCOPE

National Informatics Centre has been implementing the District & Subordinate Courts (E-Courts) project, financed by GOI. The scope of the tender is to equip all District & Subordinate Courts with necessary hardware & **establishment of Local Area Network** in approximately 2500 court complexes all across the country for its computerization. This tender caters to the supply, testing, installation, integration and maintenance of hardware systems and related sub-systems required for the project.

Sealed tenders, valid for a period of given in the "**Annexure 1: Summary**" from the date of opening, are invited to supply, install & operationalize the items as given in "**Annexure 17: Technical**".

1.1 ELIGIBILITY CRITERIA

1. Eligibility Criteria is given in the “**Annexure 2: Eligibility Criteria**” and it must be filled up.
2. **Documentary evidence for compliance to each of the eligibility criteria must be enclosed** along with the bid together with the references as required in the “**Annexure 2: Eligibility Criteria**”.
3. Relevant portions, in the documents submitted in pursuance of eligibility criterion mentioned above, **shall be highlighted** and all pages of the bid document should be serially numbered.
4. If the bid is not accompanied by all the above-mentioned documents, the same would be rejected.
5. Undertaking for subsequent submission of any of the above document will **not be entertained** under any circumstances. However, NIC reserves the right to seek fresh set of documents or seek clarifications on the already submitted documents.
6. The bidder shall have the sole responsibility to execute this project on turnkey basis

1.2 EMD

1. EMD be submitted as per “**Annexure 3: Earnest Money Deposit**”.
2. No Bank Guarantee towards EMD will be acceptable.
3. Earnest Money Deposit (EMD) of amount as given in the “**Annexure 3: Earnest Money Deposit**” must be submitted, by Demand Draft / Pay Order of any Commercial Bank drawn in favor of National Informatics Centre, payable at New Delhi.
4. Firms/suppliers, who are registered for items mentioned in “**Annexure 17: Technical**” with NSIC under Single Point Registration Scheme, shall be considered for exemption from furnishing the EMD by the Competent Authority. In such cases, an attested copy of the **VALID** Registration Certificate from NSIC must be furnished. Mere registration as a SSI Unit does not qualify the Firm for exemption from furnishing the EMD.
5. In the absence of a valid certificate from the NSIC or proper Bank Draft of EMD amount, such tenders shall be rejected straightway.
6. The Earnest Money Deposit (EMD), without any interest accrued will be refunded as follows:
 - i. In the case of those Bidders who fail to qualify the eligibility criteria, and whose technical bids do not qualify, the Earnest Money Deposit (EMD) will be refunded without any interest accrued within one month of the acceptance of TEC (Technical Evaluation Committee)’s recommendations.
 - ii. In the case of those Bidders who are not empanelled, the Earnest Money Deposit (EMD) will be refunded without any interest accrued within one month of the acceptance of FEC (Financial Evaluation Committee)’s recommendations.
 - iii. In the case of Bidders whose tender bids are accepted for empanelment, **EMD will be refunded on receipt of Security Deposit as per empanelment clause.**

1.3 Technical Schedule

1. Details of equipments and Technical Specifications/requirement to be empanelled/procured are given in "**Annexure 17: Technical**".
2. List of Enclosures to be submitted properly numbered and indexed along with signatures of the authorized representative of quoting vendor (s).
 - i. Necessary detailed technical write up highlighting the features of the sub assemblies of the systems offered.
 - ii. Reports published in journals comparing the offered product with other similar products.
 - iii. Information on planned future upgrades and compatible products along with the anticipated time frame.
 - iv. List of important installation sites.
 - v. Certificate to the effect that the offered/quoted products conform to the tender specification.
 - vi. Any other document which the vendor may consider necessary to support the product /bid.

1.4 Time Schedule

As per "**Annexure 4: Time Schedule**".

1.5 Pre Bid Session

There will be a Pre-bid meeting with the vendors as mentioned in the "**Annexure 4: Time Schedule**" for any clarifications regarding tender technical specifications and tender terms & conditions. NIC will not be bound to clarify any query after the pre-bid meeting.

1.6 Financial Annexures

Details for submitting Financial Bids are given in "**Annexure 21: Financial**".

1.7 Bid Submission Process

- 7.1 Bids are to be submitted as per the “**Annexure 9: Bid Submission**”.
- 7.2 In case, the day of bid submission is declared Holiday by Govt. of India, the next working day will be treated as day for submission of bids. There will be no change in the timings.
- 7.3 The following documents shall be enclosed by every vendor along with the Technical bids: -
 - I. Comprehensive detailed technical write up highlighting the features of the sub assemblies of the systems offered.
 - II. List of important installation sites.
 - III. Make and model of all systems, sub systems and optional items should be mentioned in the technical bid and complete technical details should be provided in the form of brochures and write ups and evaluation reports from the neutral/accredited third party.
 - IV. Any other document which the vendor may feel necessary to support the product/bid.
- 7.4 Tender bid must contain the name, office and after office hours addresses including telephone number(s) of the person(s) who are authorized to submit the bid with their signatures.
- 7.5 Un-signed & un-stamped bid shall not be accepted.
- 7.6 All pages of the bid being submitted must be signed and sequentially numbered by the bidder irrespective of the nature of content of the documents.
- 7.7 Bids **NOT** submitted as per the specified format and nomenclature will be out rightly rejected.
- 7.8 Ambiguous bids will be out rightly rejected.
- 7.9 NIC will **NOT** be responsible for any delay on the part of the vendor in obtaining the terms and conditions of the tender notice or submission of the tender bids.
- 7.10 The offers submitted by telegram/ fax/ E-mail etc. shall **NOT** be considered. No correspondence will be entertained on this matter.
- 7.11 The basic prices in Indian rupees should be quoted separately for each set of items given in “**Annexure 17: Technical**” inclusive of Interface Cables, Power Cables, related accessories, Documentations of sub assemblies of system and Operating Manuals of the systems, Packing, Forwarding, Freight, Insurance, Installation charges at sites and Warranty etc. **Excise duty and Sales tax and any other tax as applicable should be quoted separately, failing which these are not payable extra.**
- 7.12 OCTROI EXEMPTION CERTIFICATE (OEC) from payment of Octroi charges shall be furnished by NIC / E-Committee while placing the purchase order, but its non acceptability by relevant authorities cannot BE ACCOUNTED FOR the delay IN THE DELIVERY/INSTALLATION OF EQUIPMENTS and such eventuality cannot form the basis of either the modification of installation date of ordered supplier or waiver of the penalties. For such affected deliveries, against valid proof of Octroi PAID due to dishonour of OEC, claims could be considered for reimbursement while settling the payment.
- 7.13 Financial bid may be submitted as per “**Annexure 21: Financial**” for the corresponding configuration/description indicated in **Annexure 17: Technical**.

- 7.14 Financial bids will be evaluated on the basis of total price, i.e. all inclusive, as net door-delivery & installation prices for anywhere in India for items in "**Annexure 17: Technical**".
- 7.15 The price shall be for delivery at desired destination in India including installation/commissioning and complete operationalization and including statutory levies, if any.
- 7.16 Bidders shall indicate their rates in clear/visible figures as well as in words. In case of a mismatch, the rates written in words will prevail.
- 7.17 Any alteration / overwriting / cutting in the bid should be duly countersigned else it will be out rightly rejected.
- 7.18 Conditional tenders shall **NOT** be accepted on any ground and shall be rejected straightway.
- 7.19 If any clarification is required, the same should be obtained before or during pre-bid meeting only
- 7.20 Bidder shall furnish a compliance statement (Point-wise) of specifications & features of offered equipments/sub-systems with the Technical Bid. **No deviations in terms & conditions** of the tender document as well as technical specifications (on the lower side) will be accepted in any case.
- 7.21 Tender process will be over after the issue of empanelment letter(s) to the selected vendor(s). Thereafter, information submitted by the participating bidders before and during the bidding process may be put by NIC in the public domain. Competent Authority in NIC **MAY NOT** exercise the privilege given under Right to Information Act Section 8(1) (d) which says "there shall be no obligation to give any citizen information including commercial confidence, trade secrets or intellectual property, the disclosure of which would harm the competitive position of a third party, unless competent authority is satisfied that larger public interest warrants the disclosure of such information".
- 7.22 Tender Process Section will return all the un-opened sealed bid envelopes to the bidder who failed to qualify for the next stage of bid processing starting from opening of EMD envelope to Eligibility Criteria Envelope to Technical Bid Envelope to Financial Bid envelope, as the case may be. Such bidder will acknowledge the receipt of the same to the Tender Process Section.
- 7.23 Bids not quoted as per the format given by NIC will be rejected straightway.
- 7.24 The bidder must quote for all the items mentioned in the Annexures including optional items / Services. In case any item not quoted, the bid shall be summarily rejected
- 7.25 Bidder must quote/offer only one option (Make/model) against each of the items listed in the Annexure:Technical and Annexure: Optional Items.

1.8 Bid Opening Process

- 8.1 The sealed covers containing EMD only will be opened in the first instance in the presence of representatives of the bidders who chose to remain present at NIC HQ as mentioned in the **“Annexure 4: Time Schedule”**.
- 8.2 Eligibility Criteria and Technical bids of only those bidders, whose EMD instruments are found to be in order, will be opened afterwards in the same bid opening session, in the presence of the vendor’s representatives.
- 8.3 Financial bids of only those bidders, whose bids found technically qualified, by the Technical Evaluation Committee, will be opened in the presence of the vendor’s representatives subsequently for further evaluation.
- 8.4 One authorized representative of each of the bidder would be permitted to be present at the time of aforementioned opening of the bids.

1.9 Technical Evaluation Process

- 9.1 Technical Bids will be evaluated as per the “**Annexure 5: Hardware Configuration Evaluation Mechanism**”.
- 9.2 **For services required for establishment of Local Area Network at different court complexes, please refer to Annexure 11: Services to be provided**
- 9.3 A duly constituted Technical Evaluation Committee (TEC) will shortlist Technical Bids on the basis of technical parameters including possible visit to inspect manufacturing and supply facilities, if considered necessary.
- 9.4 If considered, necessary, the short listed Bidders may be asked to bring one of each of the quoted products, as per specifications set out in “**Annexure 17: Technical**” for technical evaluation, along with their own test, measuring equipment and technical manpower, to NIC-HQ as per schedule to be intimated to them. In case the vendor fails to bring and demonstrate the working of quoted products within the time frame given by NIC-HQ for evaluation, the bid shall be rejected.
- 9.5 For Technical evaluation, bidders have to ensure the availability of appropriate specialist, along with every type of documentation required, from their organization for interacting with TEC & evaluation team. In case a bidder does not make the required specialist along with proper documentation available, then such defaulting bidder shall be taken off the tender evaluation process and the bid will stand rejected.
- 9.6 During the technical evaluation, if any of the items FAIL to meet the specification requirement, no subsequent opportunity will be given to the bidder(s). However, a standby system of already quoted make & model, if available instantly on the spot could be considered by the TEC for evaluation only once.
- 9.7 Bidders are advised to ensure that the systems if asked to bring for evaluation, conforms to all technical parameters and is a tested system.

1.10 Evaluation of Financial Bids

- 10.1 The Financial Bids of only those Bidders short listed from the Technical Bids by TEC will be opened in the presence of their representatives on a specified date and time to be intimated to the respective Bidders by Tender Process Section, and the same will be evaluated by a duly constituted Finance Evaluation Committee (FEC).
- 10.2 If NIC considers necessary, **Revised Financial Bids** could be called for from the **technically short-listed Bidders**, before opening the original financial bids for recommending the final empanelment.
- 10.3 In the event of revised financial bids being called the revised bids should ***NOT*** be higher than the original bids, otherwise the bid shall be rejected and EMD forfeited.
- 10.4 There will be **NO NEGOTIATION** regarding the financial bid.
- 10.5 Lowest Quoting Bidder will be selected as per the "**Annexure 7: Panel Formation**".
- 10.6 The maximum period of matching rates will not be more than 7 working days from the date of issuance of offer letter from NIC to the concerned vendors.
- 10.7 No enquiry shall be made by the bidder(s) during the course of evaluation of the tender, after opening of bid, till final decision is conveyed to the successful bidder(s). However, the Committee/its authorized representative and office of NIC can make any enquiry/seek clarification from the bidders, which the bidders must furnish within the stipulated time else bid of such defaulting bidders will be rejected.

1.11 Empanelment Process

- 11.1 Keeping in view the NIC-project commitment, NIC reserves the right to evolve a super-set of technically qualified accepted systems and subsystem, items of their brands and models for the entire range of systems covered by various Annexure of this tender so as to take care of the service delivery related aspects concerning the suitability of configuration needs matching the project requirements and priorities from time to time.
- 11.2 Validity of the panel is given in the "**Annexure 6: Validity**".
- 11.3 In the event the vendor's Company or the concerned division of the Company is taken over/bought over by another company, all the obligations and execution responsibilities under the agreement with NIC, should be passed on for compliance by the new company in the negotiation for their transfer.
- 11.4 **All** empanelled vendors have to agree for honoring all tender condition and adherence to all aspects of fair trade practices in executing the purchase orders placed by NIC or by organizations supported by NIC.
- 11.5 If the name of the product is changed for describing substantially the same in a renamed form; then all techno-fiscal benefits agreed with respect to the original product, shall be passed on to NIC and the obligations with NIC taken by the Vendor with respect to the product with the old name shall be passed on along with the product so renamed.
- 11.6 In the case of Bidders whose tender bids are accepted for empanelment, bidders shall be required to give Security Deposit as mentioned in the "**Annexure 15: Security Deposit**" along with acceptance of purchase order, within 15 calendar days. Security Deposit will be in the form of Bank Guarantee (BG) of any commercial bank drawn in the name of National Informatics Centre, New Delhi, valid for a period of **warranty, as mentioned in the "Annexure 10: Warranty"**.
- 11.7 Security Deposit will have to be renewed for such further periods till satisfactory free warranty support has been provided by the Vendor for all the Systems supplied and installed, and thereafter the Security Deposit shall be refunded to the vendor without any interest.
- 11.8 The vendor should not assign or sublet the empanelment or any part of it to any other agency in any form. **If found doing so**, shall result in termination of empanelment and forfeiture of Security Deposit/EMD.
- 11.9 NIC may, at any time, terminate the empanelment by giving written notice to the empanelled vendor without any compensation, if the empanelled vendor becomes bankrupt or otherwise insolvent, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to NIC.
- 11.10 During the validity of the panel including the extended period, if any, if the Vendor quotes, sells or exhibits written intention to sell any System or sub-system of the same or equivalent configuration to any other Department/ Organization at a price lower than the price fixed for NIC under similar terms and conditions, the vendor shall voluntarily pass on the price difference to NIC. The effective date will be the date of quoting lower rates by the bidder in the bid/quote. In the event of lowering of government levies subsequent to the finalization of the panel, the vendor shall automatically pass on the benefits to the NIC, and in the event of increasing of government levies subsequent to the finalization of the panel; NIC

shall automatically pass on the pro-rata benefits to the Vendor, if the same have been explicitly given in the financial annexure.

11.11 During the validity of the panel, in case NIC notices that the market rates have come down from the time the rates were finalized or selection of new system configuration based on market trends or for the reasons of technological changes, NIC will ask the technically qualified bidders to re-quote the prices and the vendor(s) will be selected on the basis of procedure given earlier. The time difference between such re-quotes will be minimum 6 months except in case of the Union Budget. All those technically qualified bidders, whose EMD have been returned by NIC during/after the evaluation of the tender, will have to submit the EMD of the same amount along with the revised price quotations.

11.12 (i) Request for review of battery prices to be twice a year. Prices will be fixed on 1st July of the concerned year. Vendor has to apply well in advance and formula will be based on prices at the London Metal Exchange. [Prices (Cash Buyer price) available at the website of the London Metal Exchange (<http://lme.com/lead.asp>) shall be the basis for all calculations for price revision.] The bidders may declare the input cost of lead in %age terms to the total unit cost of battery to facilitate price revision.

(ii) Minimum period for consideration of request for review of prices for all other products/services of this tender shall be three months.

1.12 Placing of Purchase Orders

- 12.1 NIC has the right to choose any subset of the tendered items for placement of supply orders.
- 12.2 In case Purchase Orders are placed on more than one vendor, the distribution of purchase orders shall be at State/High Court wise. However, the distribution will be at the sole discretion of NIC.
- 12.3 For procurement of goods, Purchase order will be placed on the empanelled vendor(s) in hardcopy format or in softcopy mode either through e-mail containing the scanned copy of the Purchase Order or an alert through e-mail for downloading the Purchase Order from NIC Paid Project Web Site.
- 12.4 Before placement of purchase order for the complete bill of material, vendor may be asked to conduct a pre-purchase order inspection of sites as communicated by the project coordinator. This includes site readiness status and LAN survey. Details of such inspection may be communicated through email. Status of such site readiness particularly with respect to the installation and integration of the items to be ordered shall be collected by the vendor within 4 Weeks of intimation of by the project coordinator.
- 12.5 Based on this pre purchase order inspection of sites, the vendor will communicate site readiness certificate for each site. After submission of site readiness certificates by the vendor, purchase order will be issued on them.
- 12.6 All costs for such inspection will be borne by the vendor and purchase order may be issued only on for those sites for which site readiness certificates have been given by the vendor. However, NIC reserves the right to take a final decision on placing purchase orders.
- 12.7 In general, single purchase order shall be given for all activities. However, in specific cases, subset of items may be ordered.
- 12.8 Objection, if any, to the Purchase Order must be reported to Paid Project by the vendor within three (3) working days counted from the Date of Purchase Order for modifications, otherwise it is assumed that the vendor has accepted the Purchase Order in totality. This is applicable in case of electronic publishing/delivery of Purchase Order also. After receiving the Purchase Order, amendment if any, of the same Purchase Order is requested by the vendor or done by NIC, installation period will be calculated from the amendment date and not from the original Purchase Order date.
- 12.9 On the receipt of the Purchase Orders, the Vendor(s) shall obtain all the necessary documents for the State Entry Permit in respective States wherever required by them, for complete, safe and timely delivery of the ordered products.

1.13 Acceptance Testing Process

- 13.1 The systems must be supplied in full as per ordered configuration for acceptance.
- 13.2 No system with short supply or alternate product with different technical specifications shall be taken up for conduct of acceptance testing under any circumstances.
- 13.3 The acceptance tests will include running of the evaluation test as conducted during technical evaluation of the items quoted by vendor. The systems must give same performance results as shown during initial Technical Evaluation tests.
- 13.4 The offered systems, in addition to meeting the evaluation tests, should also contain the same subsystems (Brand/Manufacturer) as were given at the time of initial evaluation tests.
- 13.5 Failure to fulfill any of the aforementioned conditions will entail cancellation of the Purchase Order along with forfeiture of the EMD/Security Deposit. Further, NIC can procure same items from alternate sources at the risk and cost of the defaulting vendor.
- 13.6 No acceptance testing will be undertaken by NIC unless the Technical Verification Data Sheet (TVDS) concerned with offered products, is provided to NIC HQ Hardware group, at least 15-Days in advance prior to date from which the actual acceptance testing is to start.
- 13.7 During empanelment period, on subassembly level if any item's specifications / model changes & becomes non available due to obsolescence/upgradation of technology, vendor within already approved cost may offer the item with equivalent or having better features in terms of performance and specifications. The item(s) so offered will be evaluated at NIC-HQ /any other site as decided by NIC for its acceptance.
- 13.8 The schedule for conduct of acceptance testing dates shall be provided along with comprehensive material details by vendors within 15 working days from the date of purchase order to the Testing Division, mentioned in the purchase order, so that all the related documentation work by NIC could be completed and tested supplies are handed over to vendors for ensuring the delivery and installation within the stipulated time frame as per purchase order.
- 13.9 The testing of items must be generally completed as specified in the purchase order before the delivery date as per purchase order.
- 13.10 Normally, testing and acceptance of the Systems will be done at the Factory premises/Testing Lab., or at NIC Hqrs in India or any other premises in India or abroad suggested by Vendor where it will be tested as per ordered specifications where representatives from vendor and NIC will be present. The testing location/premises must be suitable/ agreeable to NIC. The testing premises must fulfill the normal working IT office environment conditions.
- 13.11 NIC reserves the right to reject any item, if found unsuitable and /or not conforming to the approved specifications. The rejected items, if any, shall have to be taken back and replaced by good items forthwith at the cost of the vendor. No payment will be made for rejected items.
- 13.12 The items which are accepted after testing should be sealed inside carton under the joint signatures of the representative(s) of NIC and vendor's representative and then sent along with the packing list giving serial numbers and part numbers of all possible Items and copy of the acceptance test report to the specific location or Technical Store at NIC HQ. The top cover of the carton must have a label carrying

the complete NIC Purchase Order Number, vendor's bill number and Delivery location.

- 13.13 The Systems to be supplied should work under the specified Operating Systems. It shall be the exclusive responsibility of the Vendors supplying the Systems to provide appropriate device drivers and solutions for these system software platforms.

1.14 Delivery Process

- 14.1 All aspects of safe delivery shall be the exclusive responsibility of the Vendor. At the destination Site, the cartons will be opened only in the presence of concerned District Judge or a Nodal Officer identified by District Judge and Vendor's representative and the intact position of the Seal for not being tampered with, shall form the basis for receipt in good condition.
- 14.2 Vendor must apply to the respective authority for issue of road permit /waybill in time.
- 14.3 Delays on account of getting relevant permits shall not make vendors' eligible for waiver of penalties.
- 14.4 The Vendor should install all the items at specified site without any additional charge.
- 14.5 Though Paid Project Section of NIC will provide all the necessary documents for ensuring smooth delivery of goods at the respective destinations, it is the responsibility of the vendor to delivery and install the goods in time, even if the documents provided by NIC are NOT honored by the State Authorities.

1.15 Penalty Calculation Process

- 15.1 Any delay beyond the installation schedule as per purchase order will render the vendor liable for penalty at the rate as mentioned in the **"Annexure 13: Penalty"**.
- 15.2 Penalty will be charged on the full value of the Purchase Order.

1.16 Installation Process

- 16.1 During installation at site, if any item is found to be defective or broken, it will be replaced with new one by the Vendor at its own cost and risk within 30 days from the date on which the vendor has been informed of such damage.
- 16.2 Consolidated Installation Report, based on the successful installations of the individual items, duly signed by concerned District Judge / Concerned court registrar / a Nodal Officer identified by District Judge and District Informatics Officer / authorised NIC officer should be submitted to NIC Headquarters along with the bills.
- 16.3 It may be noted that only the items technically tested/accepted as per Purchase Order shall be installed as per the schedule mentioned in **"Annexure 12: Installation"**.

1.17 Payment Process

- 17.1 A pre-receipted bill, along with original excise duty gate pass and consolidated installation report(s) and other relevant documents such as BG shall be submitted (five copies) in the name of National Informatics Centre by the vendor in Paid Project Section of NIC Hqrs. soon after the installation along with the documents mentioned at Annexure14: Payment.
- 17.2 Payment will be processed as per the **"Annexure 14: Payment"**.
- 17.3 Entry Tax etc if payable will be reimbursed for which vendor has to submit all original documents along with the bills. Such claims shall neither be processed separately nor on any post-facto basis.
- 17.4 Payments shall be subject to deductions of any amount for which the empanelled agency is liable under the empanelment or tender conditions. Further, all payments shall be made subject to deduction of TDS (Tax deduction at Source) as per the current Income-Tax Act.

1.18 Onsite Warranty Maintenance

- 18.1 The warranty period for the systems shall be taken into account as per the "Annexure 10: Warranty " from the date of completion of supply of products, its successful installation/commissioning and acceptance by NIC, including free spare parts, kits etc, whichever is later.
- 18.2 During warranty period, besides service/maintenance of Hardware and its peripherals and System Software and all driver software upgradation, installing patches and services shall also be provided at no extra cost.
- 18.3 The vendor should fulfill the following conditions during warranty period:
- I. Any failure in the system or a subsystem thereof should be rectified within maximum period of 48 hours of lodging complaint at State Capitals and Sites with public air-transport facilities. Normal transit time not exceeding 24 hours additionally will be allowed if the Site happens to be other than State Capital and Sites without public air-transport facilities.
 - II. If any of the system is down beyond two Working days (at State Capitals & Sites with public air-transport facilities) or 3 working days (at other District Sites) or 5 working days (at Block/Tehsil/Taluka Sites) as the case may be, penalty will be charged or recovered from out of withheld amount towards penalty per day per system at the rate of given in the "Annexure 13: Penalty".
 - III. Any system, failing at subsystem level at least three times in three months, displaying chronic system design or manufacturing defects or Quality Control problem or where the penalty amount on account of downtime for three months has crossed **15.0% of the system value**, will be totally replaced by the Vendor at his cost and risk within 30 days, from the date of last failure.
- 18.4 On completion of the Warranty period, the Security Deposit, without any interest accrued, shall be released after satisfying that proper free warranty support has been provided during warranty period of **five years** for all the systems. If considered necessary, suitable amount of penalty shall be recovered from the Vendor out of either already due payments or from their Security Deposit, while releasing the Security Deposit. After expiry of warranty, NIC has option to enter into Annual Maintenance Contract with the supplier for post warranty maintenance of the systems as per the quoted price/negotiated price.

1.19 General Conditions

- 19.1 No interest shall be payable for the Earnest Money Deposit and the No deviations from these terms and conditions will be accepted. Any violation there off will lead to rejection of the bid.
- 19.2 The Security Deposits without any interest accrued, shall be released only after the expiry of the warranty period of the systems successfully.
- 19.3 The decision of NIC arrived during the various stages of the evaluation of the bids is final & binding on all vendors. Any representation towards these shall not be entertained by NIC.
- 19.4 In case the empanelled vendor is found in-breach of any condition(s) of tender or supply order, at any stage during the course of supply/ installation/commissioning or warranty period, the legal action as per rules/laws, shall be initiated against the vendor and EMD/Security Deposits shall be forfeited, besides debarring & Black listing the vendor concerned for at least 3 years, for further dealing in Govt. departments.
- 19.5 Any attempt by vendor to bring pressure towards NIC's decision making process, such vendors shall be disqualified for participation in the present tender and those vendor may be liable to be debarred from bidding for NIC tenders in future for a period of three years.
- 19.6 Printed conditions mentioned in the tender bids submitted by vendors will not be binding on NIC. All the terms and conditions for the supply, testing and installation, payment terms, penalty etc. will be as those mentioned herein and no change in the terms and conditions by the vendors will be acceptable. Alterations, if any, in the tender bids should be attested properly by the vendor, failing which, the tender will be rejected.
- 19.7 Upon verification, evaluation / assessment, if in case any information furnished by the vendor is found to be false/incorrect, their total bid shall be summarily rejected and no correspondence on the same, shall be entertained.
- 19.8 No deviations from tender terms and conditions will be accepted. Any violation thereof will lead to the rejection of the bid.
- 19.9 Indemnity: The selected vendor shall indemnify the NIC/User department against all third party claims of infringement of patent, trademark/copyright or industrial design rights arising from the use of the supplied software/ hardware etc. and related services or any part thereof. NIC/User department stand indemnified from any claims that the hired manpower may opt to have by virtue of working on the project for whatever period. NIC/User department also stand indemnified from any compensation arising out of accidental loss of life or injury sustained by the hired manpower while working on the project.
- 19.10 Termination for Insolvency: NIC may at any time terminate the purchase order / contract by giving written notice of four weeks to the Supplier, without any compensation to the Supplier, if the Supplier becomes bankrupt or otherwise insolvent.
- 19.11 NIC will not be responsible for any misinterpretation or wrong assumption by the vendor, while responding to this tender.
- 19.12 Force Majeure: If at any time, during the continuance of this contract, the performance in whole or in part by either party of any obligation under this contract is prevented or delayed by reasons of any war, hostility, acts of public enemy, civil commotion, sabotage, fires, floods, explosions, epidemics quarantine restrictions,

strikes, lockouts or acts of God (hereinafter referred to as "events"), provided notice of happenings of any such event is duly endorsed by the appropriate authorities/chamber of commerce in the country of the party giving notice, is given by party seeking concession to the other as soon as practicable, but within 21 days from the date of occurrence and termination thereof and satisfies the party adequately of the measures taken by it, neither party shall, by reason of such event, be entitled to terminate this contract, nor shall either party have any claim for damages against the other in respect of such nonperformance or delay in performance, and deliveries under the contract shall be resumed as soon as practicable after such event has come to an end or ceased to exist and the decision of the purchaser as to whether the deliveries have so resumed or not, shall be final and conclusive, provided further, that if the performance in whole or in part or any obligation under this contract is prevented or delayed by reason of any such event for a period exceeding 60 days, the purchaser may at his option, terminate the contract.

19.13 Definition for default:

19.13.1 Default is said to have occurred

- I. If the supplier fails to deliver any or all of the services within the time period(s) specified in the purchase order or during any extension thereof granted by NIC.
- II. If the supplier fails to perform any other obligation(s) under the contract

19.13.2 If the agency, in either of the above circumstances, does not take remedial steps within a period of 30 days after receipt of the default notice from NIC (or takes longer period in spite of what NIC may authorize in writing), NIC may terminate the contract / purchase order in whole or in part. In addition to above, NIC may at its discretion also take the following actions:

- i. NIC may procure, upon such terms and in such manner, as it deems appropriate, goods similar to the undelivered items/products and the defaulting supplier shall be liable to compensate NIC for any extra expenditure involved towards goods and services to complete the scope of work in totality or 10 % of the work order as cancellation charges which ever is higher.

19.14 Arbitration:

19.14.1 If a dispute arises out of or in connection with this contract, or in respect of any defined legal relationship associated therewith or derived therefrom, the parties agree to submit that dispute to arbitration under the ICADR Arbitration Rules, 1996.

19.14.2 The Authority to appoint the arbitrator(s) shall be the International Centre for Alternative Dispute Resolution (ICADR).

19.14.3 The International Centre for Alternative Dispute Resolution will provide administrative services in accordance with the ICADR Arbitration Rules, 1996.

19.15 Conciliation:

19.15.1 If a dispute arises out of or in connection with this contract, or in respect of any defined legal relationship associated therewith or derived therefrom, the parties agree to seek an amicable settlement of that dispute by Conciliation under the ICADR Conciliation Rules, 1996.

19.15.2 The Authority to appoint the Conciliator(s) shall be the International Centre for Alternative Dispute Resolution (ICADR).

- 19.15.3 The International Centre for Alternative Dispute Resolution will provide administrative services in accordance with the ICADR Conciliation Rules, 1996.
- 19.16 Applicable Law
- 19.16.1 The agency shall be governed by the laws and procedures established by Govt. of India, within the framework of applicable legislation and enactment made from time to time concerning such commercial dealings/processing.
- 19.16.2 All disputes in this connection shall be settled in Delhi jurisdiction only.
- 19.16.3 NIC reserves the right to cancel this tender or modify the requirement, at any stage of Tender process cycle.
- 19.16.4 NIC also reserves the right to modify/relax any of the terms & conditions of the tender by declaring / publishing such amendments in a manner that all prospective vendors / parties to be kept informed about it.
- 19.16.5 NIC in view of projects requirement may reject any tender(s), in which any prescribed condition(s) is/are found incomplete in any respect and at any processing state.
- 19.16.6 The vendor should provide with every System manual and related User manual, irrespective of the fact that more than one system may be meant for any location.

(A. V. Rajagopal)
Deputy Director (TPS)
Phone # 011-24305454
Email: tenders.section@nic.in

2. ANNEXURES

A	Scope of work and Conditions for Participation in Tender and Evaluation Criteria
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Annexure 1: Summary

S. no	Item Name	Item Value
1	File No.	
2	Tender No.	NIC/TPS/2008/11
3	Title	Tender document for the supply, testing, installation, integration and maintenance of Computer hardware and networking systems through empanelment of vendors under E-Courts Project
4	One time Procurement	NO
5	Empanelment	YES
	i. Multiple Technical Annexure(s)	YES
	ii. Quoting for all Main Technical Annexure and optional items is compulsory	YES
	iii. Will each Annexure under "Annexure: Main Technical" be treated as Separate Tender?	No
	iv. Empanelment Size	3 (three) vendors
6	Tender Fee	NIL
7	Number of packets	5 (Five)
8	Contact Address	Section Officer, Tender Process Section, 4 th Floor, A-Block, CGO Complex, National Informatics Center, Lodi Road, New Delhi -110003 e-mail: tenders.section@nic.in , Phone No. 2430 5454

Annexure 2: Eligibility Criteria

S. no	Item	Insert Value or check-list the box	Reference of Enclosed Proof
1	<p>The bidder must be an Original Equipment Manufacturer (<u>OEM</u>) of <u>Computer Servers</u> or <u>Desktop Systems</u>. <u>The OEM must have tie-ups /techno-commercial collaboration with subsystems/peripheral manufacturers.</u></p>	<p>Manufacturer Authorization Format (MAF) as provided below to be submitted by the front end bidder on company letter head.</p> <p>Documentary evidence for tie-ups / techno-commercial collaboration with subsystems/peripheral manufacturers to be submitted.</p> <p>A Letter from each such subsystems/peripheral manufacturer needs to be furnished ensuring the support for 5 years.</p>	
2	<p>The bidder (s) must be an <u>IT solution provider</u>; capable of handling IT projects on turnkey basis.</p>	<p>Proof of completion of at least two multi-locations IT projects worth of minimum Rs. 10 Crores for each project on turnkey basis in the three financial years - 2004-05, 2005-06 & 2006-07 to be furnished. Enclose relevant Documentary proof.</p> <p>Self Certification on company letter head signed by the authorised signatory as given in the format attached below to be furnished by the bidder in compliance of this clause. However, NIC reserves the right to seek additional supporting documents for the above projects.</p>	

S. no	Item	Insert Value or check-list the box		Reference of Enclosed Proof
3	The bidder's annual turnover from sales and support services of computers systems in India should be at least be <u>Rs.500 crores (Rupees Five Hundred crores)</u> , during each of the years <u>2005-06 and 2006-07</u> , to be supported by authentic documentary evidence (audited balance sheet) and confirmation regarding turnover. The turnover refers to the company responding to this tender and not the composite turnover of its subsidiaries/sister concerns/ <u>techno-commercial collaborators</u> etc. (quote value in Rs. Crores)	During 2005-06	Rs. Crore	
		During 2006-07	Rs. Crore	
4	The bidder should enclose a copy of a <u>VALID quality certificate</u> in its own name from a recognized institution for their manufacturing / assembly / system integration facilities anywhere located in INDIA or abroad.	1. Name of the agency		
		2. Name of the Certificate		
		3. Validity date		
5	The bidder must have country wide <u>infrastructure support</u> in the form of direct service centers or franchisees in each of the State Capital or place where High Courts exists for which it is quoted. The bidders must enclose details of their infrastructure with reference to locations and technical manpower and contact details.	Please fill in Annexure: Support.		
6	A copy <u>VAT/ST/CST No.</u> allotted by the Sales Tax Authorities, as well as <u>PAN number</u> of the firm allotted by the Income Tax authorities should be submitted. The bidder should be registered with <u>Service tax</u> department of the Government.	VAT/ST/CST No.		
		PAN no.		
		Service TAX NO.		

S. no	Item	Insert Value or check-list the box	Reference of Enclosed Proof
7	<p>A copy of the <u>Registration number</u> of the firm with attested copies of <u>Articles of Association</u> (in case of Registered firm), Byelaws and certificates of registration (in case of registered co-operative Societies), partnership deed (in case of partnership firm) should be submitted</p>	<p>Registration No.</p> <hr/> <p>Name the document enclosed.</p>	
8	<p>If the bidder is OEM of servers only, then:</p> <p>a) The bidder's OEM for Desktop Systems should have an annual turnover from sales and support services of Desktop Systems in India of at least <u>Rs. 500 crores(Rupees Five Hundred crores)</u>, during each of the years <u>2005-06 and 2006-07</u>.</p> <p>OR</p> <p>If the bidder is OEM of Desktop Systems only, then:</p> <p>a) The bidder's OEM for Server systems should have an annual turnover from sales and support services of server systems in India of at least <u>Rs. 500 crores(Rupees Five Hundred crores)</u>, during each of the years <u>2005-06 and 2006-07</u>.</p> <p>And</p> <p>(b) Quality certificate from a recognized institution for their Desktop/Server manufacturing/ assembly/ integration facilities anywhere located in INDIA or abroad should be enclosed. This certification should be from any globally recognized institution.</p>	<p>Claim of turnover during each of the years <u>2005-06 and 2006-07</u> should be supported by authentic documentary evidence (audited balance sheet) and / or Chartered Accountant certificate. However, NIC reserves the right to seek additional supporting documents for the same.</p>	

S. no	Item	Insert Value or check-list the box	Reference of Enclosed Proof
9	<p>(a) The bidder's OEM for Laser Printers should have an annual turnover from sales and support services of laser printers in India of at least <u>Rs. 50 crores(Rupees Fifty crores)</u>, during each of the years <u>2005-06 and 2006-07</u>.</p> <p>(b) Quality certificate from a recognized institution for their laser Printer manufacturing/ assembly/ integration facilities anywhere located in INDIA or abroad should be enclosed. This certification should be from any globally recognized institution.</p>	<p>Claim of turnover during each of the years <u>2005-06 and 2006-07</u> should be supported by authentic documentary evidence (audited balance sheet) and / or Chartered Accountant certificate. However, NIC reserves the right to seek additional supporting documents for the same.</p>	
10	<p>(a) The bidder's OEM for Dot matrix printers should have an annual turnover from sales and support services of Dot matrix printers in India of at least <u>Rs. 10 crores(Rupees Ten crores)</u>, during each of the years <u>2005-06 and 2006-07</u>.</p> <p>(b) Quality certificate from a recognized institution for their Dot matrix Printer manufacturing/ assembly/ integration facilities anywhere located in INDIA or abroad should be enclosed. This certification should be from any globally recognized institution.</p>	<p>Claim of turnover during each of the years <u>2005-06 and 2006-07</u> should be supported by authentic documentary evidence (audited balance sheet) and / or Chartered Accountant certificate. However, NIC reserves the right to seek additional supporting documents for the same.</p>	

S. no	Item	Insert Value or check-list the box	Reference of Enclosed Proof
11	<p>(a) The bidder's OEM for UPS should have an annual turnover from sales and support services of UPS in India of at <u>least Rs.20 crores (Rupees Twenty crores), during each of the years 2005-06 and 2006-07.</u></p> <p>(b) Quality certificate from a recognized institution for their UPS manufacturing/ assembly/ integration facilities anywhere located in INDIA or abroad shall be enclosed. This certification should be from any globally recognized institution.</p>	<p>Claim of turnover during each of the years <u>2005-06 and 2006-07</u> should be supported by authentic documentary evidence (audited balance sheet) and / or Chartered Accountant certificate. However, NIC reserves the right to seek additional supporting documents for the same.</p>	
12	<p>There should be single OEM for LAN Switches</p> <p>(a) The bidder's OEM for switch items should have an annual turnover from sales and support services of switch items in India of at least <u>Rs. 25 crores(Rupees Twenty Five crores), during each of the years 2005-06 and 2006-07.</u></p> <p>(b) Quality certificate from a recognized institution for their switch items manufacturing/ assembly/ integration facilities anywhere located in INDIA or abroad should be enclosed. This certification should be from any globally recognized institution.</p>	<p>Claim of turnover during each of the years <u>2005-06 and 2006-07</u> should be supported by authentic documentary evidence (audited balance sheet) and / or Chartered Accountant certificate. However, NIC reserves the right to seek additional supporting documents for the same.</p>	
13	<p>Routers for LAN</p> <p>(a) The bidder's OEM for router items should have an annual turnover from sales and support services of router in India of at least <u>Rs. 25 crores(Rupees Twenty Five crores) during each of the years 2005-06 and 2006-07.</u></p> <p>(b) Quality certificate from a recognized institution for their router manufacturing/ assembly/ integration facilities anywhere located in INDIA or abroad should be enclosed. This certification should be from any globally recognized institution.</p>	<p>Claim of turnover during each of the years <u>2005-06 and 2006-07</u> should be supported by authentic documentary evidence (audited balance sheet) and / or Chartered Accountant certificate. However, NIC reserves the right to seek additional supporting documents for the same.</p>	

S. no	Item	Insert Value or check-list the box	Reference of Enclosed Proof
14	<p>There should be single OEM for LAN UTP and Fibre Items</p> <p>(a) The bidder's OEM for these items should have an annual turnover from sales and support services of LAN UTP and Fibre Items in India of at least <u>Rs. 25 crores (Rupees Twenty Five crores)</u> during each of the years <u>2005-06 and 2006-07</u>.</p> <p>(b) Quality certificate from a recognized institution for their LAN UTP and Fibre Items manufacturing/ assembly/ integration facilities anywhere located in INDIA or abroad should be enclosed. This certification should be from any globally recognized institution.</p>	<p>Claim of turnover during each of the years <u>2005-06 and 2006-07</u> should be supported by authentic documentary evidence (audited balance sheet) and / or Chartered Accountant certificate. However, NIC reserves the right to seek additional supporting documents for the same.</p>	
15	<p><u>Software (Operating System Support)</u></p> <p>There should be single OEM for Operating Systems for servers and desktops.</p> <p>Principal Operating System provider must have presence in India minimum for last four (4) financial years (2004-2008) with at least one service support centre at each of the 5 regions i.e North, South, East, West and North-East.</p>	<p>Self Certification on company letter head signed by the authorised signatory to be furnished by the Principal Operating System provider in compliance of this clause. Details regarding support centre in each of the mentioned regions to be included in the certification.</p> <p>However, NIC reserves the right to seek additional supporting documents for the above projects.</p>	

Note: Bidder is supposed to fill up the above annexure and indicate the page number of the supporting document in the proof

Manufacturer's Authorization Format for Front Line Bidder

Ref:

Date:

To
Section Officer,
Tender Process Section,
National Informatics Centre,
A-Block, CGO Complex,
New Delhi-110003

Subject: Manufacturer Authorization for Tender No _____.

Sir,

We, **<Bidder/ Frontline OEM>** having our registered office at **< Bidder/ Frontline OEM address>**, are an established manufacturer of **Servers and (or) Desktop Systems**.

Our full support is extended in all respects for supply, warranty and maintenance of our products. We also ensure to provide the service support for the supplied equipments for a period of 5 years from date of installation of the equipments as per tender terms.

We also undertake that in case of default in execution of this tender by the **<Indicate names of all supporting OEMs >**, the **< Bidder/ Frontline OEM >** will take all necessary steps for successful execution of this project as per tender requirements.

Thanking You

For **< Bidder/ Frontline OEM>**

<(Authorized Signatory)>

Name:

Designation:

Proof of completion of IT Projects

Ref:

Date:

To
 Section Officer,
 Tender Process Section,
 National Informatics Centre,
 A-Block, CGO Complex,
 New Delhi-110003

Subject: Proof of completion of IT projects for Tender No _____.

Sir,

We have completed at least two IT projects worth of minimum Rs. 10 Crores for each project on turnkey basis in the last three financial years i.e. 2004-05, 2005-06 & 2006-07. The details of the projects have been furnished below:

SI No	Project # <To be replicated for each project>	Details
1.	Name of Project	
2.	Name of Client	
3.	Name of client personnel involved	
4.	Phone number of client personnel	
5.	Email id of client personnel	
6.	Name of states covered	
7.	Duration of the project	
8.	Years of execution of the project	
9.	Project Value	
10.	Remarks, if any	

Thanking You

For < Bidder/ Frontline OEM>

<(Authorized Signatory)>

Name:

Designation:

Annexure 3: Earnest Money Deposit

		Amount
	EMD	Rs.3 Crore

Annexure 4: Time Schedule

SN	Annexure	Date	Time
1	Publishing	23/05/2008	1700 hrs.
2	Pre-bid at the address given in Annexure: Summary	18/06/2008	1100 hrs to 1300 hrs
3	Receipt of bids by Tender Section	05/09/2008	1230 hrs
4	Opening of Bids	05/09/2008	1430 hrs
No Bid will be accepted after the expiry of the above mentioned time scheduled.			

Annexure 5: Hardware Configuration Evaluation Mechanism

<p>Technical evaluation will be carried out mainly on the basis of technical specifications provided in the tender document. Some of the criterion/ parameters are given below :</p>
<p>Server & Client :</p>
<p>1. For each system quoted, a duly filled Technical Verification Data Sheet (TVDS) along with all supporting technical datasheets (for all sub assemblies) should be submitted.</p>
<p>2. Self certified OS compatibility report to be submitted along with the bid.</p>
<p>3. Benchmark report (snapshots and full description report) as per the tender requirement should be submitted (for an exactly same configuration as what is being quoted) along with the bid. Vendor has to mention the name and version of the benchmark tool used.</p>
<p>4. During technical evaluation, vendor may be asked to arrange all necessary hardware and software utilities to demonstrate the benchmark result at NIC HQ/vendor's work premises located anywhere in India.</p>
<p>5. In order to test the reliability of quoted configuration during technical evaluation, NIC may put the system for test under any of the available diagnostic/reliability test utility. This test will be run continuously for a period of time which will be decided by the TEC.</p>
<p>Laser Printers/ Multi Function Devices :</p>
<p>Printers offered by various vendors will be evaluated and compared on the basis of any of the following parameters.</p>
<p>1. Print quality and yield of toner cartridge</p>
<p>2. Ease of use, error indications, size and look of equipment, durability</p>
<p>3. Speed, smooth paper movement</p>
<p>4. TCO, duty cycle, energy saving functions and industry environment standards</p>
<p>5. Ease of maintenance, upgradeability in terms of memory and interface</p>
<p>6. Checking large file sizes / types for compatibility under different operating systems.</p>
<p>7. List of consumables & their life.</p>
<p>Scanners :</p>
<p>Scanners offered by various vendors will be evaluated and compared on the basis of the following parameters :</p>
<p>1. Scanning resolution (Optical as well as enhanced), Speed in color and monochrome scanning</p>
<p>2. Drivers under different OS, Scanning software used and its features</p>
<p>3. Capability to handle different media sizes smoothly</p>
<p>4. TCO, consumable life</p>

UPS
1. Technical Evaluation Committee (TEC) will shortlist the technical bids on the basis of technical parameters including possible visit to inspect manufacturing and supply facilities if considered necessary.
2. The short listed vendors will bring one system of each capacity as per tender specifications set out in specified annexure, along with their own test and measuring equipments and the load for demonstration/evaluation test as per schedule to be intimated to them.
3. TEC may visit the vendors' premises for technical demonstration/evaluation if required.
4. The benchmark tests will include rated capacity test with non-linear load, testing different start modes, power factor correction, protection & indications, line, load & frequency regulation, inverter & overall efficiency, Waveform, THD, Crest factor, transit response & recovery, static bypass, galvanic isolation and backup time etc.
Projectors :
Projectors are evaluated on the basis of display & audio quality under text & graphics, parameters like brightness, contrast ratio, resolution, different file formats supported, power consumption, weight, lamp life, noise level, zooming, throw ratio, consumables, Compatibility under different OS & interfaces, certifications etc.
Thin Clients :
Performance test under local and remote operation, impact of multi user access in remote logon, Compatibility with various applications under different Operating systems, testing of local resources, Upgradeability, possible add-on facility etc.
Dot Matrix Printers :
Print quality, Speed, Language supported
Ease of use, error indications, size and look of equipment, durability
Speed, Smooth paper movement, Media types supported
Ease of maintenance, Compatibility & support under different operating systems.
List of consumables & their life
LAN : UTP & Fiber Components & Racks :
<ol style="list-style-type: none"> 1. For each item quoted, a duly filled Technical Verification Data Sheet (TVDS) along with all supporting technical datasheets (for all sub assemblies) should be submitted 2. The short listed vendors will bring a sample of each of quoted passive LAN items as per tender specifications set out in specified annexure, along with their UL test certificate & technical spec sheet as per schedule to be intimated to them. Vendor will also submit a sample LAN survey document of their previously completed site 3. For racks , vendors will submit detail technical data sheets , highlighting the tendered specs . TEC may visit the vendors' premises for technical demonstration/evaluation of racks if required.

LAN & WAN Hardware (Switches , Routers & Modems) :

4. For each LAN / WAN Hardware item quoted, a duly filled Technical Verification Data Sheet (TVDS) along with all supporting technical datasheets (for all sub assemblies) should be submitted
5. The short listed vendors will bring a pair of each of quoted items as per tender specifications set out in specified annexure, along with their detailed technical spec sheet . The vendors will come with their own test and measuring equipments and the load for demonstration/evaluation test , as per schedule to be intimated to them.
6. TEC may visit the vendors' premises for technical demonstration/evaluation of the quoted items , if required.

Annexure 6: Validity

SN	Item	Value
1	Validity of bids	120 days
2	Validity of empanelment	Two years from the date of first Purchase order
3	Extension	One More year
4	Minimum Period for revision of rates	Six Months or Union Budget

Annexure 7: Panel Formation

A	Selection Criteria for deciding L1 Vendor and lowest unit rate for each item	<p>The lowest quoting vendor (L1) will be determined as mentioned below:</p> <ol style="list-style-type: none"> 1) First Annexure-MF.01A will be opened for all the technically qualified bidders on a specified date 2) L1, L2, L3, L4..... bidders will be decided on the Gross Total Value (GTV) of this Annexure i.e., MF.01A 3) After the L1 vendor is decided on the Gross Total Value (GTV), Annexure-MF.01B submitted by L1 Vendor only will be opened for deciding the lowest individual unit rates for all the items of this tender. 4) In case L1 bidder has failed to quote for all the items in Annexure-MF.01B, his bid will be rejected and his EMD will be forfeited and the tender refloated. 5) In the event of any mismatch in the GTV value mentioned at Annexure- MF.01A and total of Annexure- MF.01B of the L1 Vendor, the following criteria will be adopted to remove the discrepancy between these two values: <ol style="list-style-type: none"> a) When Grand Total Value given in Annexure MF.01A is greater than the Grand Total Value given in Annexure MF.01B: The value given in Annexure MF.01B will be taken as the value for Annexure MF.01A. b) When Grand Total Value given in Annexure MF.01A is less than the Grand Total Value given in Annexure MF.01B: The value given in Annexure MF.01B will be replaced with the value given in Annexure MF.01A and the item wise value for each item in Annexure MF.01B will be reduced on Pro-Rata basis and consequently unit values will be worked out. 6) If L1 bidder fails to accept the individual unit rates rationalized/reworked as per the above procedure, his bid will be treated as cancelled and EMD of such defaulting bidder will be forfeited and the tender would be refloated. 7) Thus the L1 vendor and the lowest unit rates (for individual items/services) shall be decided as per the procedure mentioned above.
B	Panel Formation Procedure	<p>A panel of three vendors will be formed by giving successive opportunity to L2, L3, L4.... bidders to match the lowest unit rates finalized as above. If none of the bidders other than L1 bidder agree to match the L1 rates, there shall be only one vendor on panel.</p>

Annexure 8: Support

Sno	State Name	Contact Details such as Names, phones, e-mails, website etc.	Own/Franchisee Centre Required	Support	Manpower	Spares
Main						
1	Andhra Pradesh		Hyderabad, Vizag & Vijayawada			
2	Bihar		Patna			
3	Chandigarh		Chandigarh			
4	Chhattisgarh		Bilaspur & Raipur			
5	Delhi		New Delhi			
6	Goa		Panaji			
7	Gujarat		Ahmedabad/Gandhinagar			
8	Haryana		Chandigarh			
9	Himachal Pradesh		Shimla			
10	Jharkhand		Ranchi			
11	Jammu & Kashmir		Jammu & Srinagar			
12	Karnataka		Bangalore & Mysore			
13	Kerala		Trivandrum/Cochin			
14	Maharashtra		Mumbai, Aurangabad & Nagpur			
15	Madhya Pradesh		Jabalpur, Gwalior & Indore			
16	Orissa		Bhubaneswar/Cuttack			
17	Punjab		Chandigarh			
18	Pudicherry		Pudicherry/Chennai			
19	Rajasthan		Jaipur & Jodhpur			
20	Tamil Nadu		Chennai & Madurai			
21	Uttar Pradesh		Allahabad & Lucknow			
22	Uttarakhand		Dehradun / Nainital			
23	West Bengal		Kolkata			
24	Lakshadweep		Chennai			
25	Andaman & Nicobar		Kolkata			
26	Dadra Nagar & Haveli		Mumbai			
27	Daman & Diu		Mumbai			
Total						
North Eastern States						
1	Arunachal Pradesh		Itanagar			
2	Assam		Guwahati			
3	Manipur		Imphal			
4	Meghalaya		Shillong			
5	Mizoram		Aizwal			
6	Nagaland		Kohima			
7	Sikkim		Gangtok			
8	Tripura		Agartala			
Total						

Annexure 9: Bid Submission

Tender bids should be submitted in the five different envelopes as explained below:			
Inner Envelope Number	Contents	Addressed to	Super scribed with
1	EMD instruments as per Annexure: EMD	President of India	EMD for "Tender No. NIC/TPS/2008/11 – THE SUPPLY, TESTING & INSTALLATION OF COMPUTER HARDWARE AND NETWORKING SYSTEMS THROUGH EMPANELMENT OF VENDORS UNDER e-Courts PROJECT"
2	Documents as per Annexure: Eligibility Criteria	President of India	Eligibility Annexure for "Tender No. NIC/TPS/2008/11 – THE SUPPLY, TESTING & INSTALLATION OF COMPUTER HARDWARE AND NETWORKING SYSTEMS THROUGH EMPANELMENT OF VENDORS UNDER e-Courts PROJECT"
3.	Documents as per Annexure Technical	President of India	Technical Annexure for "Tender No. NIC/TPS/2008/11 – THE SUPPLY, TESTING & INSTALLATION OF COMPUTER HARDWARE AND NETWORKING SYSTEMS THROUGH EMPANELMENT OF VENDORS UNDER e-Courts PROJECT"
4	Documents as per Annexure Financial – MF.01A	President of India	Financial Annexure – MF.01A for "Tender No. NIC/TPS/2008/11 – THE SUPPLY, TESTING & INSTALLATION OF COMPUTER HARDWARE AND NETWORKING SYSTEMS THROUGH EMPANELMENT OF VENDORS UNDER e-Courts PROJECT"
5	Documents as per Annexure Financial – MF.01B	President of India	Financial Annexure – MF.01B for "Tender No. NIC/TPS/2008/11 – THE SUPPLY, TESTING & INSTALLATION OF COMPUTER HARDWARE AND NETWORKING SYSTEMS THROUGH EMPANELMENT OF VENDORS UNDER e-Courts PROJECT"
All the above 5 (five) envelopes are sealed and placed in another envelope and should be submitted as follows:			
Outer Envelope Number	Contents	Addressed to	Super scribed with
1	5 Inner Envelopes, as mentioned above	Section Officer, Tender Processing Section, 4th Floor, A-Block, CGO Complex, Lodi Road, New Delhi 110003.	"Tender No. NIC/TPS/2008/11 THE SUPPLY, TESTING INSTALLATION, INTEGRATION AND MAINTENANCE OF COMPUTER HARDWARE AND NETWORKING SYSTEMS THROUGH EMPANELMENT OF VENDORS UNDER e-Courts PROJECT"
Where to Submit:			
The outer envelope must be sent by post to the address given above or dropped in the Tender Box, placed at the reception of NIC, A-Block CGO Complex before the last date of submission.			

B	Conditions for Empanelment
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Annexure 10: Warranty

Sl. No	Description	Compliance
1	The complete systems should be under 5 (Five) years free on-site comprehensive warranty support service from the date of installation or 65 months free warranty support service from the date of delivery of the systems at site, which ever is early, including free provision of spare parts, kits and batteries for UPS as and when necessary.	
2	During warranty period besides service/maintenance of Hardware, System Software and its Peripherals, all software upgradation, bugs/patches and services shall be provided free of cost by the vendor. However, removal of viruses from systems, toner cartridge for laser printers and ribbon for dot matrix printers are outside the scope of the warranty clause.	
3	The vendor should fulfill the following conditions during warranty period:	
3(a)	Supplier will maintain enough spares in India (not less than 10%) so as to provide satisfactory on-site comprehensive maintenance services during the warranty period. Supplier will indicate the level of spares, which will be stored by them in India for providing comprehensive on-site warranty services to NIC sites. Vendor will also provide a status report every six months through e-mail to NIC/user about the support related complaints lodged by different users and availability of spares at the vendor warehouse.	
3(b)	Vendor would provide the helpdesk support services through telephone/e-mail where users can lodge their complaint. Each user will be assigned a unique trouble ticket number through which he should be able to track the action taken on his complaint through a support portal. The resident Project Manager at Delhi will maintain the list of trouble tickets being opened and closed.	
3(c)	Any failure in the equipments supplied / any accessories thereof should be rectified within maximum period of two Working days (at State Capitals & Sites with public air-transport facilities) or 3 working days (at other District Sites) or 5 working days (at Block/Tehsil/Taluka Sites) as the case may be.	
3(d)	If any of the system is down beyond two Working days (at State Capitals & Sites with public air-transport facilities) or 3 working days (at other District Sites) or 5 working days (at Block/Tehsil/Taluka Sites) as the case may be, penalty will be charged or recovered from out of withheld amount towards penalty per day per system at the rate of given in the " Annexure: Penalty ".	
3(e)	Any system failing at subsystem level at least three times in three months, displaying chronic system design or manufacturing defects or quality control problem will be totally replaced by the vendor at his cost and risk within 30 days.	

3(f)	Vendor shall visit each site at least once in every six months to carryout preventive maintenance and fine-tune the performance of the system besides regular service calls during warranty period.	
3(g)	On completion of the Warranty period, the Security Deposit without any interest accrued shall be released after satisfying that proper free warranty support has been provided during warranty period of five years for all the systems. If considered necessary, suitable amount of penalty shall be recovered from the Vendor out of either already due payments or from their Security Deposit while releasing the Security Deposit. After expiry of warranty, NIC has option to enter into Annual Maintenance Contract with the supplier for post warranty maintenance of the systems.	

Annexure 11: Services to be provided

S.No	Description	Requirements
1	Delivery of Items	<ul style="list-style-type: none"> ▪ At the destination site, the cartons will be opened only in the presence of Courts officials and vendor's representative. ▪ Inventories at all their service locations shall be maintained by the vendor(s) for immediate replacement of H/w items in case of failure.
2	Installations	<ul style="list-style-type: none"> ▪ A sticker mentioning the Service Support Call Centre Number of the vendor should be pasted on each system.
3	Warranty	<ul style="list-style-type: none"> ▪ In case of a System (Hard Disk) failure, vendor will ensure recovery of data from the Hard Disk and its restoration, while making the system operational, at the site. However, vendor is not liable to provide any guarantee for Data Integrity. User will be encouraged to take regular backup of his data. Time lapsed in taking data back if any will not be counted for down time calculations.
4	Manpower Support	<ul style="list-style-type: none"> ▪ Vendor shall provide one resident Project Manager at Delhi from the date of empanelment whose responsibility will be to monitor the project and coordinate with the vendor representatives identified at each High Court ▪ Vendor(s) shall formulate a centralized web-based monitoring mechanism for delivery, installation and maintenance of the hardware provided at District & Subordinate courts during the warranty period. They should submit the periodical reports to NIC Project Coordinator/E-Committee in Delhi every month.
5	LOCAL AREA NETWORK	<p>A. Following are the LAN System Integration Services to be provided by the empanelled agency.</p> <ol style="list-style-type: none"> 1. LAN Survey and Document preparation. 2. Supply of LAN Passive items/equipments, laying of cables and installation. 3. Supply, installation & configuration of LAN active equipments and making LAN operational. <p>A.1 LAN Survey and Document preparation</p> <p>A.1.1 Agencies employed for providing LAN System Integration Services are required to carry out survey for each site to study the exact requirements, after the placement of job order. The requirement will be setting up of new LANs.</p> <p>Purpose of this exercise is to understand the site layout & user's network requirements, take stock of all</p>

		<p>existing network components & network infrastructure and to gather any other information required for providing required services at each site.</p> <p>A.1.2 NIC/District Courts will do the necessary coordination required to carry out this activity. Empanelled agency will designate Project engineer for the site to coordinate with NIC/District Courts. Empanelled agency will gather required data as per formats finalized in consultation with NIC. Agency will prepare a detailed Project report for the site which should address LAN design, Engineering (wherever required), Structured cabling installation, Commissioning, testing & certification (wherever required) & documentation for easy maintenance. The aspects to be covered in detailed project report are as below</p> <ul style="list-style-type: none"> • LAN design - address total LAN node requirement (e.g. conduct survey & prepare list of nodes locations within the rooms) , modular with provision for easy additions , meet all the application requirements , capable for data & video , use latest Gigabit fiber / CAT 6 technologies for backbone & edge. • Engineering - should prepare LAN IP addressing scheme , proxy & anti virus requirements , create in building VLAN for segregation between user's, address all the LAN security issues, list civil & electrical requirement for Server room & active devices, list power requirements , fire safety, Bill of material of LAN active devices . • Structured cabling installation - cable routing on building blueprint / plan with scales & distances , integration of existing cabling infrastructure if required , identification of existing cable risers and equipment closets to be used , labeling plan for cabling infrastructure , marking & identification of entire LAN infrastructure , creation of separate cable trays / pathways / raceways if required , documentation required to be handed to building administration / CPWD for safe keep of cabling infrastructure , Bill of material of LAN passive devices . • Commissioning , testing & documentation for maintenance – strategy for phased wise installation & commissioning of LAN , Testing & certification of LAN components & cabling infrastructure , tools & manuals required for maintenance , suggest list items to stocked as spares for immediate fault rectification , schedules for periodic onsite maintenance of items / servers .
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		<p>A.1.3 Two copies of the detailed Project report will be submitted to NIC Project coordinator in form of printed, hard bound copies & two nos. of soft copies in CD.</p> <p>Note: The above activity will be done by the vendor at his own cost.</p>
	<p>LOCAL AREA NETWORK (Contd...)</p>	<p>A.2 <u>Supply of LAN Passive items/equipments, laying of cables and installation.</u></p> <p>A.2.1 Empanelled agency will supply all the passive LAN cabling items & Communication racks as per the detailed project report for a site, after placement of job order. The list of passive items to be supplied & their specifications is mentioned in technical specifications for LAN (active & passive) items in Annexure – MT.01.</p> <p>A.2.2 All the installation work is to be carried out as per the relevant IEEE standards (ISO/IEC 11801:2002, EIA/TIA 568B, EIA/TIA 568B.2-1). For this the empanelled agency will post technical person having suitable experience in cabling systems, at the site, till the completion of the installation & commissioning of the cabling infrastructure. The empanelled agency will follow the Detailed Project report (DPR) for the cabling routing plan, labeling of the cabling infrastructure and the documentation of the cabling infrastructure for maintenance & handing over to the Court.</p> <p>A.2.3 The empanelled agency will get all the new site installations certified for 20 year performance warranty from the OEM wherever 50 or more nodes have been established in the court complexes.</p> <p>Note: The following activity will be done by the vendor at his own cost.</p> <p>a) Performance testing of the laid UTP cable (Pentascanner report) for Channel Link as per EIA/TIA TSB-67 standard or higher in particular wire map (Short , open, transpose ,reverse ,split) , NEXT , PSNEXT, FEXT , PSFEXT, ACR, PSACR, Return Loss , length , propagation delay, delay skew ,</p> <p>b) Performance testing of laid Fibre Optic cable by OTDR for continuity, length & db loss as per EIA/TIA-455-60 document for FO test procedures &</p>

		<p>Documentation of the results</p> <p>c) Site certification for performance warranty of 20 years through OEM .</p> <p>A.3 Supply, Installation & configuration of LAN active equipments.</p> <p>A.3.1 The empanelled agency will supply, install & configure all the active devices like Layer2 switches for making the LAN operational at the site.</p> <p>A.3.2 The list of passive & Active items to be supplied & their specifications are as per technical specifications for LAN (active & passive) items in Annexure – MT.01. All the active devices/ hardware will be as per the detailed Project report, submitted by the agency, for the given site earlier.</p> <p>A.3.3 The LAN IP addressing, creation of in building VLAN for segregation between users, configuration for all the LAN security issues will be carried out by the empanelled agency (wherever required) as per the Project Report. The empanelled agency will also configure the client nodes for LAN. For this the empanelled agency should have the required trained manpower for above.</p> <p>A.3.4 All the switch & IP addressing scheme at clients need to be documented for maintenance purposes by the empanelled agency.</p>
6	WAN Active Components	<p>1 The empanelled agency will supply, install & configure all the WAN devices like Routers & Modems for making the WAN operational at the Site.</p> <p>2 The List of WAN items to be supplied & their specifications are annexed at B.5.4 & B.5.5 of Annexure – MT.01</p>

Annexure 12: Installation

SN	Location	Period from the date of Purchase order
1	Sikkim, North Eastern States, Andaman & Nicobar, Lakshadweep, Leh, Kargil, Lahual Spiti, Keylong	110 days
2	Rest of India	90 days

Note: The installation schedule mentioned above entails all activities including LAN Survey and documentation, delivery and installation of LAN active and passive items, installation and integration of all hardware and related software.

Annexure 13: Penalty

SN	Activity	Rate
1	Failure in maintaining installation Schedule	<p>0.2% (Zero point two percent) per day subject to maximum of 50/30 days (50 days is for states Sikkim, North Eastern States, Andaman & Nicobar, Lakshadweep, Leh, Kargil, Lahual Spiti, Keylong and 30 days for rest of India), thereafter NIC holds the option for cancellation of the order and re-procure the same from any other vendor at the cost of the supplier and forfeit the EMD/ Security deposit of the vendor.</p> <p>The un-installed items can be taken back by the vendor. In addition, vendor shall also be liable to pay to NIC a cancellation charge of 10% (Ten percent) of the value of unsupplied items.</p>
2	Maintenance during warranty period	<p>0.05% (Zero point zero five percent) of the system value per day per system if not repaired within 2 to 5 days depending upon the location as per clause 18.3 (II) maximum to the bank guarantee limit given in the Annexure Security Deposit.</p>
3	Replacement of the faulty system	<p>Any system, failing at subsystem level at least three times in three months, displaying chronic system design or manufacturing defects or Quality Control problem or where the penalty amount on account of downtime has crossed 15.0% of the system value, will be totally replaced by the Vendor at his cost and risk within 30 days, from the date of last failure.</p>
4	Limitation of Penalty	<p>Taking into consideration all the above cases, the total penalty that can be levied on the vendor shall not exceed the purchase order value.</p>

Annexure 14: Payment

A pre-receipt PURCHASE ORDER WISE bill (five copies) shall be submitted in the name of "National Informatics Centre" at NIC HQRS., New Delhi. It shall be done as per the following process:

100% payment will be made on installation AND INTEGRATION of items at any specified site in India as per the following process:

- 1) Vendor has to install/INTEGRATE the ordered items and will prepare **installation report** for each District Court/Taluka Courts as per the purchase order and get it signed by the concerned **In-charge Judge or his/her authorized person/nodal officer**.
- 2) Based on these installation reports, the vendor will further prepare a **consolidated installation report** consisting of serial no. of each ordered and installed item, location of installation, date of installation, etc. Please refer to format attached below. **This consolidated installation report will be District-wise only.**
- 3) The vendor will submit all **original installation reports**, which would include District/Taluka/City Courts under the jurisdiction of a particular District Court to the **DIO** concerned/District Courts pre-designated officer.
- 4) The consolidated installation report will be duly signed with date and stamped by:
 - (a) The District & Session Judge / concerned Court Registrar / nodal officer identified by District Judge and
 - (b) The concerned District Informatics Officer(DIO) (in case DIO post is vacant or on leave District Informatics Assistant (DIA) of NIC / authorized NIC officer
- 5) Vendor will submit the following documents:-
 - i) Three copies of **consolidated installation reports** along with Original consolidated installation report at NIC HQs,
 - ii) **Original Installation reports** to concerned District Informatics Officer /District Courts pre-designated officer / NIC Officer
 - iii) Site wise **Installation reports & Consolidated installation reports** on DVD/CD Rom to concerned District Informatics Officer
 - iv) One DVD/CDROMs at NIC Hqrs along with bills.

CONSOLIDATED PROOF OF INSTALLATION REPORTS AT DISTRICT COURT, (NAME)

Purchase Order No :					Purchase Order Date : xx/xx/xxxx			
Sno	Court Complex Address	Item Name	Serial No. of the Item	Bill Number	Installation Certificate Number	Installation Certificate Date	Name of the Nodal Officer	Remarks

All items have been delivered, installed & successfully integrated at each site as per the purchase order.

(District Judge/Court Registrar/Nodal Officer) (Sign & Stamp)	(DIO/DIA/NIC Officer) (Sign & Stamp)	(Vendor Representative) (Sign & Stamp)
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Please ensure that signatures are taken on each page of the consolidated report

Annexure 15: Security Deposit

SN	Item	Value	
1	Validity	65 Months from the date of first Purchase order	
2	Instrument	One single Deposit in the form of Bank Guarantee	
3	Amount	No. of years	Amount
		1 st	35% valid for 12 months
		2 nd	28% valid for 12 months
		3 rd	21% valid for 12 months
		4 th	14% valid for 12 months
		5 th	07% valid for 15 months

C	Technical
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Annexure 17: Technical

SNo	Item Description with Configuration	Annexure (Sub-Parts)
Server		Main Technical : MT.01
1	Rack Mount Server 1U	
2	Rack Mount Server 2U	
3	Thin Client (Linux Embedded)	
Printers and Multifunction Devices		
4	Mono Laser Printer – 15 PPM	
5	Mono Laser Printer – (Duplex) 20 PPM	
6	Multifunction Device – (Printer, Scanner & Copier)	
7	24 pin,136 Column DMP Printer	
8	Scanner (Legal)-15ppm	
9	Portable projector	
10	Slim Client	
UPS		
11	1 KVA On-line UPS with 120 min back up	
12	2 KVA On-line UPS with 120 min back up	
13	500 VA Line-Interactive UPS with 120 min backup	
14 - Passive LAN items		
B.1	UTP Components - CAT6	
B.1.1	UTP cable	
B.1.2	24 port Patch Panel	
B.1.3	Information outlets	
B.1.4	Patch Chords – 3, 7 & 10 feet & RJ 45 Connector	
B.2	Fiber Components	
B.2.1	Fiber Optic indoor Distribution cable Multi mode (MM) (6 core)	
B.2.2	Fiber Optic outdoor armoured cable Multi mode (MM) (6 core)Multi mode (MM) (6 core)	
B.2.3	Optical Fiber connectors SC Type, Epoxyless (Multimode	
B.2.4	Optical Fiber Patch Cord , MM , SC to SC	
B.2.5	Optical Fiber Patch Cord , MM , SC to MTRJ	
B.2.6	Optical Fiber Patch Cord , MM , SC to LC	
B.2.7	LIU , 12 fiber , Wall mount enclosure , lockable	
B.2.8	LIU , 12 fiber , 1 U drawer style 19" Rack mount enclosure	
B.3	Installation & Termination, Documentation & Site certification for UTP and fiber Cabling	
B.3.1	Installation & Termination ,Documentation & Site certification for UTP Cabling	
B.3.2	Installation & Termination ,Documentation & Site certification for Indoor & Outdoor Fiber Cabling	
B.4	19" equipment mounting racks	
B.4.1	19 " Rack , Wall mount 530 mm depth, 9 U height, Front glass door (lockable)	
B.4.2	19 " Rack , Wall mount 800 mm depth, 12 U height, Front glass door(lockable)	
B.4.3	19 " Rack , Floor standing 800 mm depth 24 U height, Front & back door (lockable), Front glass door	
15 - Active LAN Items		
B.5.1	8 port 10/100 Mbps & 1 port 10/100/1000 Mbps & SFP port ,wire speed , SNMP Managed , Full Duplex ,Layer 2 Switch	
B.5.2	24 port 10/100 Mbps & 2 ports of 10/100/1000 Mbps & 2 SFP ports , wire speed , SNMP Managed , Full Duplex ,Layer 2 Switch	
B.5.3	SFP based GBIC for above switches	
B.5.4	Router	
B.5.5	2 Mbps leased line Modem	

Server		Annexure Optional Technical : OT.01
16	250GB USB HDD	
17	Racks for Servers : 36 U Rack	
18	Racks for Servers : 42 U Rack	
19	USB KVM switch 4 port rack mountable (form factor :1U)	
20	USB KVM switch 8 port rack mountable (form factor :1U)	
21	USB KVM switch 16 port rack mountable (form factor :1U)	
22	7 feet cables & accessories to connect KVM Switch to Monitor, KBD & Mouse (per Set)	
23	12 feet cables & accessories to connect KVM Switch to Monitor, KBD & Mouse (per Set)	
24	Flat 17 " TFT LCD Monitor Rack Mountable, foldable (1 U Form Factor) with Keyboard & Mouse to be connected to KVM Switch	
Thin Client		
25	Additional 512MB Flash RAM	
26	Additional 512MB RAM	
27	Thin client with smart card reader	
Slim PC		
28	4GB Pen Drive	
29	Web camera with USB interface	
30	DVD +/- R (8X or higher) & +/- RW (4X or higher) DVD writer with minimum 2 MB buffer size & 1 Pack of 10 Blank DVDs	
31	Microsoft Wireless Keyboard & Microsoft Wireless mouse with pad along with suitable adapter to connect with the client system	
32	OEM wireless keyboard and OEM Wireless mouse with pad along with suitable adapter to connect with the client system	
33	Add on Graphics controller with 1 GB RAM ATI Radeon 1650 or nVidia GE force 7600 with HDMI supporting OpenGL and DirectX 10	
34	Add on TV tuner card with 30fps & S-video Support	
35	9 in 1 card Reader & Writer	
Laser Printer		
36	Full capacity standard OEM toner cartridge for their quoted Laser Printer models – 15 PPM	
37	Full capacity standard OEM toner cartridge for their quoted Laser Printer models – 20 PPM	
38	Multifunction Device – (Printer, Scanner) - standard OEM toner cartridge for their quoted model	
Dot Matrix Printer		
39	Ribbon	
Software		
40	Pre installed Antivirus software and in CD media with matching warranty period of system to take care of all latest viruses.	
41	Preloaded with Windows VISTA Ultimate with CD Media	
42	Specifications for Linux Server distribution	
43	Specifications for Linux Desktop distribution	
44	Support Framework	

For details on each of above, kindly refer to the detailed specifications in the Annexures below.

Annexure 18: Main Technical MT.01

ITEM – 1

Rack Mount Server -1U

Server Type - 1

<u>S. no</u>	<u>Item Description</u>	<u>Compliant (Y/N)</u>
Computer Server System having the following features:		
1	Server with 64bit x86 dual core Processor with minimum 3 GHz & L2 cache of 4x1 MB per Intel Processor or 2x1 MB per AMD Processor or more with dual processor capability. Processor should be fully binary compatible to 32-bit Applications. A dual core on a single die will be treated as a single processor.	
2	INTEL E5000 Series/Server works HT2100/Nvidia MCP55 Pro	
3	The motherboard should have PCI bus with PCI/PCI-X/ PCIe slots.	
4	4GB DDRII 667MHz or higher populated in Interleaved mode, scaleable to 12GB or higher , with interleaving capability; with atleast 4 DIMM slots.	
5	2x160GB SATA II with NCQ/2x146 GB SAS HDD 3Gb/s & 7200 RPM.	
6	Integrated SATA controller supporting RAID 0,1	
7	Integrated dual port Gigabit Ethernet Controller with full duplex	
8	Integrated graphics with 16 MB memory	
9	Rack mount slim Combo drive	
10	1 Mouse port , 1 KBD port , 2 USB Ports & one fast serial port	
11	System user manual and all necessary accessories	
12	Motherboard manufacturer certified Server Chassis should be equipped with : suitable power supply with 2 HDD bays	
13	At least 2 monitorable fans excluding CPU & SMPS fans	
14	<u>System Software</u> All required device drivers as per above configuration (in media with manual) for OS installation, System configuration and Management of the system.	
15	<u>Server Management Features :</u> IPMI /ACPI/PCI 2.0 Compliant Remote Management of the Server over LAN Remote Power Shut down Integrated Management Log Server Health Logging	
16	OS Support : Linux (latest Version Red Hat/SUSE/Mandrake) Server OS and Windows 2003 Server	
17	Warranty : 5 Years On-Site Comprehensive Warranty Support	

ITEM – 2

Rack Mount Server -2U

Server Type - 2

<u>Sno</u>	<u>Item Description</u>	<u>Compliant (Y/N)</u>
Computer Server System having the following features:		
1	Server with two 64bit x86 quad core Processor with minimum 2.3 GHz & L2 cache of 8 MB per Intel Processor or 2 MB per AMD Processor or more. Processor should be fully binary compatible to 32-bit Applications. A quad core on a single die will be treated as a single processor.	
2	INTEL E5000 Series / Server works HT2100/Nvidia MCP55 Pro	
3	The motherboard should have PCI bus with PCI/PCI-X/PCIe slots.	
4	8GB DDRII 667MHz or higher populated in Interleaved mode , scaleable to 32 GB max, with interleaving capability; Error correction capability using industry standard ECC DIMM	
5	2x146 GB SAS 3 Gb/s HS HDD 15K RPM	
6	4 port SAS controller supporting RAID 0,1	
7	Integrated dual port Gigabit Ethernet Controller with full duplex	
8	Integrated graphics with 16 MB memory	
9	Rack mount slim internal DVD writer	
10	1 Mouse port , 1 KBD port , 2 USB Ports & one fast serial port	
11	System user manual and all necessary accessories	
12	Motherboard manufacturer certified Server Chassis should be equipped with : suitable redundant power supply with 3 HS HDD bays	
13	At least 3 monitorable fans excluding CPU & SMPS fans	
14	<u>System Software</u> All required device drivers as per above configuration (in media with manual) for OS installation, System configuration and Management of the system.	
15	<u>Server Management Features:</u> IPMI/ACPI/PCI 2.0 Compliant Remote Management of the Server over LAN Remote Console feature Remote Power Shut down Integrated Management Log Server Health Logging	
16	OS Support : Linux (latest Version Red Hat/SUSE/Mandrake) Server OS and Windows 2003 Server	
17	Warranty : 5 Years On-Site Comprehensive Warranty Support	

ITEM – 3

Thin Client (Linux Embedded)

<u>S. no</u>	<u>A. Hardware</u>	<u>Compliant (Y/N)</u>
1	Industry standard 1GHz speed processor	
2	On board video controller	
3	Built-in 10/100 Ethernet Interface with WOL support	
4	One serial port ,2 USB ports, 1 parallel port, Audio Ports	
5	PS/2 mouse with Pad and 104 Keys PS/2 Keyboard	
6	512 MB RAM upgradeable upto 1GB	
7	512 MB Flash ROM	
8	With 15" TFT LCD Flat Monitor, TCO'99/03 certified	
	<u>B. Software</u>	
9	Linux and open office Embedded in Flash ROM	
10	JVM support – for Linux firefox & Mozilla	
12	Should support VT100/VT220/ANSI emulations	
14	Full PPP/ Multisession / Multihost support under windows environment	
15	Multilingual support	
16	Thin client Management s/w	
17	CERTIFICATIONS: ISO 9001:2000 for thin client manufacturing unit and certifications for safety.	
	Password protected setup for root. The system can be configured for to run on run level 1, 3 and 5	
18	<u>C. OS Supported :</u> Microsoft Windows 2003 Server TSE, Unix and Linux Server (Using Emulation Suite)	
19	<u>Warranty :</u> Five year on-site comprehensive warranty support	

Software Specifications for Linux Thin clients

- a. Thin client should be latest Linux stable kernel based.
- b. Support for SSH, telnet, XDM protocols and VNC.
- c. Should have applications such as Web Mail client, Browser, PDF reader, Office suite etc.
- d. Should support plug and play USB Drives
- e. Multilingual support. Unicode complaint (Indian Language support – English, Hindi & Local Language) with three key board layouts.
- f. Samba support for sharing printers and file-systems
- g. Remote administration such as Telnet, FTP, NFS, Samba, SSH Client with secure copy, etc.
- h. Automatic hardware detection
- i. **GUI tools for configuring devices such as printers and Network cards.**

- j. Thin Client should have Gnome/KDE Window manager
- k. Thin Client should have support for NIS, LDAP authentication.

ITEM – 4

Mono Laser Printer – 15 PPM

<u>Sno</u>	<u>Item Description</u>	<u>Compliant (Y/N)</u>
Mono Laser Printer must have the following features:		
1	Speed (min.) 15 PPM (A4)	
2	Memory (min.) 2MB	
3	Resolution 600x600 dpi	
4	Interface USB	
5	Monthly Duty Cycle 5000 Pages	
6	Interface cables & accessories	
7	Drivers for Linux (Latest version of RHEL , SUSE, MENDRIVA) & Windows	
8	<u>Warranty</u> : Five year on-site comprehensive warranty support including all parts except toner cartridge	

ITEM – 5

Mono Laser Printer – (Duplex) 20 PPM

<u>Sno</u>	<u>Item Description</u>	<u>Compliant (Y/N)</u>
Mono Laser Printer must have the following features:		
1	Speed (min.) 20 PPM (A4)	
2	Memory (min.) 32MB	
3	Resolution 1200x1200 dpi	
4	Interface USB, Ethernet (UTP)	
5	Monthly Duty Cycle 10000 Pages	
6	Language PCL6/PS2 or higher	
7	Automatic Duplex Printing	
8	Interface cables & accessories	
9	Drivers for Linux (Latest ver. Of RHEL , SUSE, MENDRIVA) & Windows	
10	<u>Warranty</u> : Five year on-site comprehensive warranty support including all parts except toner cartridge	

ITEM – 6

Multifunction Device – (Printer, Scanner & Copier) (A4 size)

Sno	Item Description	Compliant (Y/N)
Mono Laser Printer must have the following features:		
1	Speed (min.) 20 PPM (A4)	
2	Memory (min.) 16MB	
3	Resolution 600x600 dpi	
4	Interface USB	
5	Monthly Duty Cycle 7000 Pages	
6	Interface cables & accessories	
7	Drivers for Linux (Latest version Of RHEL , SUSE, MENDRIVA) & Windows	
8	Scanner Flat bed scanning with 600 dpi optical resolution	
9	Copier speed 19 CPM (A4)	
8	Warranty : Five year on-site comprehensive warranty support including all parts except toner cartridge	

ITEM – 7

24 pin 136 col. Dot Matrix Printer

<u>S. no</u>	<u>Item Description</u>	<u>Compliant (Y/N)</u>
Dot Matrix Printer must have the following features:		
1	Print Speed : 300 CPS at high speed draft mode	
2	Interface : Parallel /USB (For Parallel, provide PCI based Parallel interface card)	
3	Accessories : Standard Parallel /USB I/F cable and Accessories	
4	Language : In-built ISCII support, English, Hindi & one additional Indian language Support in text mode	
5	OS support : Windows and Linux	
6	<u>Warranty : Five year</u> on-site comprehensive warranty support including all parts except printer ribbon	

ITEM – 8

SCANNER Legal – 15 PPM

<u>S. no</u>	<u>Item Description</u>	<u>Compliant (Y/N)</u>
Scanner must have the following features:		
1	Scan size Flat Bed mode A4 size and ADF Mode - 8.5" x 14" (Legal)	
2	Scan type CCD, Color, Flatbed & ADF	
3	Resolution 600 x 600 dpi (optical) or more	
4	ADF Capacity Minimum 25 Pages	
5	Interface USB	
6	Min. Scanning Speed 15 PPM @ 200 dpi, Black & White	
7	Scanning Software OCR	
8	Drivers for Linux (latest Version Of Red Hat/SUSE/Mandrake) & Windows	
9	<u>Warranty : Five year</u> on-site comprehensive warranty support including all parts	

ITEM – 9

Portable Projector

<u>Sno</u>	<u>Item Description</u>	<u>Compliant (Y/N)</u>
Projector must have the following features:		
1	Projection system with minimum 2000 ANSI or above Lumens brightness, 1024 x 768 true XGA resolution, with full function remote control and weight less than 2kgs.	
2	<u>Warranty : Five year</u> on-site comprehensive warranty support including lamp also	

ITEM – 10

Slim Client Configuration

<u>Sno</u>	<u>Item Description</u>	<u>Compliant (Y/N)</u>
Computer System must have the following features:		
1	Computer system having dual core processor (x86 architecture based) with an over all rating of 110 (+ or – 3) (Without over clocking) using SYSmark 2007 under windows Vista OS with minimum 1 MB of L2 Cache.	
2	Intel G31 Chipset/ Nvidia Geforce 6150 /Nvidia 7100/690V/780G	
3	minimum 1 PCI slots and one PCI Express x16 bus slot	
4	Motherboard shall be of Micro ATX / smaller form factor	
5	Integrated graphics controller	
6	2x1GB Dual Channel DDRII SDRAM 800 MHz or higher expandable to 4 GB	
7	Integrated audio controller (Intel high definition or equivalent)	
8	Integrated PCI 10/100/1000 Mbps Ethernet controller with full duplex & WOL support	
9	Integrated Two port SATA 3.0 Gbits/s controller	
10	16X or Higher Speed DVD-ROM drive	
11	Ports : 1x fast serial port, minimum 4 x USB 2.0 ports (2 ports on front), 1xKeyboard port, 1xMouse port	
12	250 GB SATA II HDD 3Gbits/s with NCQ & 7200 RPM	
13	Slim Chassis (Small form factor) with enough cooling fans, one free internal peripheral bay and 180W or higher Micro ATX / SFF Power Supply and with volume of 9-14 litres	
14	104 keys OEM Keyboard with bilingual support & Key Skin Cover	
15	OEM Optical Scroll Mouse with Mouse pad	
16	17" TFT LCD Flat Monitor with 8 ms or better response time, TCO '99/03 certified	
17	Power management features & Desktop Management Interface (DMI) implementation	
18	System user manual and all other necessary accessories	
19	Linux support (with all required drivers) to be demonstrated for at least two of the following OS (Red Hat 4.0/ Mandriva 10.2/Novell SuSe 10.0/NIC Linux or later version)	
20	<u>Certification</u> : Microsoft Windows (XP & VISTA) & Linux	
21	<u>Warranty</u> : Five year on-site comprehensive warranty support	

ITEM – 11 & 12

TECHNICAL SPECIFICATIONS FOR ONLINE UPS (1KVA & 2KVA) SINGLE PHASE INPUT & SINGLE PHASE OUTPUT

S.N	PARAMETERS	SPECIFICATIONS
1	Capacity	Config A (1KVA) & Config B(2KVA)
	Battery Backup	120 Minutes at full load for all the capacities
2	General	
	Inverter Technology	Pulse Width Modulation (PWM) using IGBTs, double conversion
	Switching frequency	20 KHz or higher
	Total Harmonic Distortion (THD)	< 3% for 100% linear load < 5% for 100% non-linear load
	Noise level	Less than 55 db
	Operating Temperature	0°50° C
	Crest Factor	Not less than 3:1
	Humidity	Up to 95% non-condensing
	Output Wave Form	Pure Sine wave
	Cold Start facility	Required
	Cooling	Air cooled
	Isolation	Galvanic Isolation through an in-built transformer
3	Input	
		230V, AC, Single Phase
	Voltage Range	160 V AC to 270 V AC
	Frequency Range	50 ± 6% Hz
	Input Power Factor	0.9 at full output load leading to Unity with power factor correction (PFC)
	Distortion	Less than 5%
		Compatibility to D/G set
4	Output	
	Voltage	230 V AC ±1 %, single phase
	Regulation	Less than ±1% in the following conditions 1. No load to full load/Full load to no load
	Frequency	(a) 50 Hz ± 0.5 %
5	Efficiency	
	Overall Efficiency	80 % or better on rated full load
	Inverter Efficiency	90% or better on rated full load
6	Overload Capacity	110% for 2 min. & 125% overload for 30sec.
7	Power Factor	0.8 lagging
8	Transient Response Time	For 100% load change, output will remain within ±1% and recovery within 20 ms.

9	Protection	Required for : Short Circuits,, Over Loading Over Temperature, Input low/ high voltage, DC low/high voltage, trip.	
10	Battery Bank Details		
	Battery Type	Sealed Maintenance Free (VRLA)	
	Battery Make	CSB / Panasonic / Global Yuasa/Exide/Orchid/Amararaja/Hitachi	
	Battery recharge time (after complete discharge to 100% charge)	Battery recharge time should not exceed 8 hours (charging current should be >8% of the rated battery AH capacity)	
	Battery Cut off voltage during backup	Not less than 10.5V per battery	
11	Battery Capacity		
	Capacity of UPS	D.C.Bus Voltage	Battery Bank for Backup Time
	1 KVA	≤120 V	120 minutes
	2 KVA	≤132 V	120 minutes
	Battery warranty		Five years replacement warranty
	Battery Housing	A suitable battery cabinet matching the UPS enclosures mounted on castor wheels	
12	L.C.D. meter	To measure and monitor input voltage, output voltage, output current, DC current, DC voltage, input / output frequency	
13	Indications	Mains on, Load on, Battery/Inverter ,Battery level, Load level, Inverter over load	
14	Audible Alarm	Over Temperature ,Main failure ,Battery low, Inverter Overload	
15	Switches	Main ON/OFF MCB, Battery ON/OFF MCB, Inverter push button with reset.	
16	Output Connection	O/P Terminals of standard quality should be provided. 03 Nos. of 5/15A/230V female ISI Mark sockets (Indian type)should also be provided in addition to the O/P Terminals.	
More than two battery banks should not be used in parallel in any configuration.			
<u>Warranty:</u> Five year on-site comprehensive warranty including Battery.			

ITEM – 13

TECHNICAL SPECIFICATIONS FOR 500VA LINE-INTERACTIVE UPS

500 VA LINE-INTERACTIVE UPS with 120 Minutes Battery Backup		
SN.	Eligibility Parameters	Criteria/ Required Specifications
1	Technology	MOSFET / IGBT
2	Input Frequency	47 to 53 Hz.
3	Input Voltage	140 V to 270V
	AC OUTPUT	
A	Mains Mode	
4	Voltage	200 to 250V
5	Frequency	Synchronized to supply
6	Load PF	0.8 lagging to unity
7	Overload Capacity	110% continuous
B	Inverter Mode	
8	Voltage	230 Volts +/- 2%
9	Frequency	50 +/- 0.5 Hz
10	Voltage Regulation	± 3%
11	Load PF	0.7 lagging to unity
12	Overload Capacity	110% for 2 minutes
13	Efficiency	Min. 75 %
14	Waveform	Quasi Sine wave
15	Transfer Time	<5 millisecond.
C	OTHERS	
16	Battery (For 120 min.)	SMF (Exide / CSB / Panasonic / Yuasa-Japan / Orchid / Hitachi /Amararaja make)
17	DC bus	≤48V (maxi. 2 battery banks allowed)
18	Load capacity	350 Watt.
19	Backup time	120 Minutes on full load (2.17Amp)
20	Recharge time	< 10 hours
20a	Recharge current	>8% of rated capacity
21	Audible Noise	< 55 db
22	Operating temp.	0 deg. To 45 deg. C
23	Interface	RS 232C Compatible
24	Cold start	Yes
25	Auto restart	Yes
26	Generator Comp.	Yes
27	No load shutdown	Yes (Automatic in no load cond.)
27a	Battery Warranty	Five years replacement warranty
28	PROTECTIONS	
	Short circuit	Elect. Current limit On Inv. and Fuse protection on Main mode
	Surge / Spikes	Thru Line filter
	DC U/O Voltage	Yes
29	DISPLAY	

		UPS Status (On/Off)
		Load Status (on mains/battery)
		Battery Status (charge level)
		Low Battery
30	ALARMS	Fault conditions
		Low Batt. 3-4 min.
31	O/P mode	Output socket of Good quality (min. 4 no. 5A/230V) Indian type
More than two battery banks should not be used in parallel in any configuration.		
<u>Warranty:</u> Five year on-site comprehensive warranty including Battery.		

TECHNICAL SPECIFICATIONS for LAN (ACTIVE & PASSIVE) ITEMS

B.1 UTP COMPONENTS (CAT6)

S No.	Item	Specifications
	UTP COMPONENTS (CAT6)	All specifications for components & cabling to be tested up to 250 MHz , UL *R listed & verified
B.1.1	UTP cable	4 pair, should confirm or exceed the EIA/TIA 568 B.2-1 (CAT 6) standards for physical & electrical specifications , UL *R listed & verified , Should be certified by independent test lab for 1G Gigabit Ethernet Performance up to 100 mtrs. Boxes of 305 meters
B.1.2	24 port Patch Panel	110 wiring block at rear end & RJ 45 jack on front panel, 19" rack mountable , should confirm or exceed the EIA/TIA 568 B standards for CAT 6, Metallic high strength & 1U height , confirm EIA/TIA 568 B wiring pattern , should have routing rings & ties and labeling strips for identification, UL *R listed & verified
B.1.3	Information outlets	Surface mount box with single RJ 45 socket, should confirm or exceed the EIA/TIA 568 B standards for CAT 6, provision for dust cover, labeling icons & strips, anchors for strain relief cable entry, UL *R listed & verified
B.1.4	Patch Cord	Should confirm or exceed the EIA/TIA 568 B standards for CAT 6, Factory molded boots on RJ 45 plugs at both ends, UL *R listed & verified , Option for colour – Grey, Blue, Red & Green & cross over cable Length - 3 feet Length – 10 feet Length – 7 feet

B.2 FIBER COMPONENTS

S No.	Item	Specifications
	FIBER COMPONENTS	
B.2.1	Fiber Optic indoor Distribution cable Multi mode (MM)	Multimode optical fiber cable , 50/125 micron graded index, ,required for indoor applications, Fiber should be protected inside jelly filled loose tube , should confirm or exceed the EIA/TIA 455 , EIA/TIA 568 , ISO 11801 & ICEA -640 standards for Fiber and cable performance specifications.

		Should support 10 G Ethernet up to 300 m Required in the configuration of 6 fibers
B.2.2	Fiber Optic outdoor armoured cable Multi mode (MM)	Multimode optical fiber cable , 50/125 micron graded index, anti rodent , required for outdoor applications for direct burial, fiber should be protected inside jelly filled loose tube , armouring with acrylic coated good quality steel , should confirm or exceed the EIA/TIA 455 , EIA/TIA 568 , ISO 11801 & ICEA -640 standards for Fiber and cable performance specifications. Should support 10 G Ethernet up to 300 m Required in the configuration of 6 fibers
B.2.3	Optical Fiber connectors	SC type , Epoxyless , Field mountable with required accessories & consumables, required for terminating 50/125 micron MM fiber
B.2.4	Optical Fiber Patch Cord , MM , SC to SC	Duplex , 50/125 micron MM fiber , SC connector at both end , length as below with factory mount ceramic connector at both end Length – 5 m
B.2.5	Optical Fiber Patch Cord , MM , SC to MTRJ	Duplex , 50/125 micron MM fiber , SC connector at one end and MTRJ connector on other end, length as below with factory mount ceramic connector at both end Length – 5 m
B.2.6	Optical Fiber Patch Cord , MM , SC to LC	Duplex , 50/125 micron MM fiber , SC connector at one end and LC connector on other end, length of as below with factory mount ceramic connector at both end Length – 5 m
B.2.7	LIU , 12 fiber , Wall mount enclosure , lockable	Loaded with SC ceramic couplers for 12 fibers 50/125 micron MM, Wall mountable metallic distribution enclosure with lock , should have inbuilt / pre-installed splice tray with all clamps , harnessing rings , ties etc , compatible cable management rings/ bars should be provided
B.2.8	LIU , 12 fiber , 1 U drawer style 19" Rack mount enclosure	Loaded with SC ceramic couplers & adaptor plates for 12 fibers 50/125 micron MM , 19" rack mountable metallic distribution enclosure slide & tilt drawer type 1 U , should have inbuilt / pre-installed splice tray with all clamps , harnessing rings , ties etc, compatible cable management rings/ bars should be provided

B.3 Installation & Termination, Documentation & Site certification for UTP and fiber Cabling

S	Item	Specifications
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No.		
B.3.1	Installation & Termination ,Documentation & Site certification for UTP Cabling	<p>UTP</p> <p>In-building laying of UTP CAT 6 cable with cable route survey & detailed cable route diagram , termination of cable with labels & marking as per approved labeling plan & documentation</p> <p>Supply & fixing of ISI marked PVC duct of size 15 X 15 mm , 30 x 25 mm & 45 X 25 mm</p> <p>Supply & fixing of ISI marked PVC Conduit of material thickness not less than 1.5 mm & OD size of 20 mm ,32 mm & 40 mm</p> <p>Installation & termination of UTP cables on Patch Panel with wire Manager & on Information outlet</p> <p>Note: The following activity will be done by the vendor at his own cost.</p> <p>Performance testing of the laid UTP cable (Pentascanner report) for Channel Link as per EIA/TIA TSB-67 standard or higher in particular wire map (Short , open, transpose ,reverse ,split) , NEXT , PSNEXT, FEXT , PSFEXT, ACR, PSACR, Return Loss , length , propagation delay, delay skew , Site certification for performance warranty of 20 years through OEM .</p>
B.3.2	Installation & Termination ,Documentation & Site certification for Indoor & Outdoor Fiber Cabling	<p>Fibre Optic</p> <p>Fiber Optic Cable laying with route survey & documentation with following</p> <ul style="list-style-type: none"> - In building laying of fiber in PVC ducts on wall Outdoor FO laying with - Excavation and resurfacing of the soil - Excavation and resurfacing of the concrete - Supply and installation of 1.5" diameter GI pipe or 2" diameter HDPE PVC jacket for under ground laying - SC connector termination on Fiber Optic cable - Supply and installation of buffer tubing kit - Fiber optics cable route marker <p>Note: The following activity will be done by the vendor at his own cost.</p> <p>Performance testing of laid Fibre Optic cable by OTDR for continuity, length & db loss as per EIA/TIA-455-60 document for FO test procedures & Documentation of the results</p>

B.4 19" Equipment mounting Racks

S No.	Item	Specifications
	<u>19" Equipment mounting Racks</u>	
B.4.1	19 " Rack , Wall mount 530 mm depth, 9 U height, Front glass door (lockable),	Should confirm DIN 41494 & IEC 297 standard, Load bearing capacity of 50 Kilograms, have following accessories 19 " mountable ,1U , Universal power socket design to fit both round & flat socket with built in surge protection & over load circuit breaker , 5 AMP AC power distribution channel made of high flame retardant & insulating material , CE approved with 6 nos. Sockets (1 nos.), with wall mounting hardware, earthing kit & equipment mounting screws/hardware packets (2 nos.)
B.4.2	19 " Rack , Floor standing 800 mm depth 12 U height, Front & back door (lockable), Front glass door	Should confirm DIN 41494 & IEC 297 standard , Load bearing capacity of 500 Kgs , Quick release locking sides , front & rear door , Have following accessories 19 " mountable ,2U , Universal power socket design to fit both round & flat socket with built in surge protection & over load circuit breaker , 15 & 5 AMP AC power distribution channel made of high flame retardant & insulating material , CE approved with 5 nos. sockets with individual on/off switch & light indication (2 nos.) ,Support angles 2 pairs ,475 mm depth Equipment shelves 475 mm depth – 2 nos. Castors with brakes Fan tray with four fans Earthing Kit Mounting Hardware packets – 5 nos.
B.4.3	19 " Rack , Floor standing 800 mm depth 24 U height, Front & back door (lockable), Front glass door	Should confirm DIN 41494 & IEC 297 standard , Load bearing capacity of 500 Kilograms , Quick release locking sides , front & rear door , Have following accessories 19 " mountable ,2U , Universal power socket design to fit both round & flat socket with built in surge protection & over load circuit breaker , 15 & 5 AMP AC power distribution channel made of high flame retardant & insulating material , CE approved with 5 nos. sockets with individual on/off switch & light indication (2 nos.) ,Support angles 2 pairs ,475 mm depth Equipment shelves 475 mm depth – 2 nos. Castors with brakes Fan tray with four fans

		Earthing Kit Mounting Hardware packets – 5 nos.
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B5. Local Area Network (LAN) – Active Items

S No.	Item	Specifications
B.5.1	8 port 10/100 Mbps & 1 port 10/100/1000 Mbps & SFP port ,wire speed , SNMP Managed , Full Duplex ,Layer 2 Switch	<p>8 ports of 10 BaseT/ 100 BaseTX on UTP with 1 port 10/100/1000BaseT / SFP-based Gigabit port for uplink, autosense and auto negotiation ,full duplex ,Compliance to IEEE 802.3 (10BaseT) , IEEE 802.3u (100BaseTX) & IEEE 802.3z (1000BaseSx/LX/T) standards, with following features</p> <p>Compliance to IEEE 802.3x standards for full duplex support on 10BaseT , 100 BaseTx & 1000BaseT ports</p> <p>Switching Bandwidth 5.6 Gbps ,</p> <p>Inbuilt SNMP module supporting SNMPv2 , Bridge MIB, Ethernet MIB , RMON MIB, Interface MIB , MIB-II</p> <p>RMON support (group 1,2,3 & 9)</p> <p>Indicators for per port status, system status , power & bandwidth utilization</p> <p>IEEE 802.1D compliant Spanning tree protocol</p> <p>IEEE 802.1Q compliant VLANs support (Port & MAC/tag based)</p> <p>IEEE 802.1p compliant prioritization</p> <p>In band management support via SNMP , WEB browser & Telnet</p> <p>Console port for configuration & out of band management</p> <p>MAC address based security support</p> <p>Traffic management support based on MAC source / destination address & IP source /destination address</p> <p>Support for IGMP snooping & Port aggregation / Trunking</p> <p>Compliance to 802.1X port level authentication , Port based ACLs ,</p> <p>Power requirement 240 VAC , 50 Hz , Operating temperature 0 to 45 degree centigrade , Operating humidity 10% to 85 % (non condensing) , UL & IEC safety certifications , FCC/EN Electromagnetic Emission certificates , MTBF 6 years</p> <p>Uplink GBIC Modules</p> <p>Support for IPv6</p>

B.5.2	<p>24 port 10/100 Mbps & 2 ports of 10/100/1000 Mbps & 2 SFP ports , wire speed , SNMP Managed , Full Duplex ,Layer 2 Switch</p>	<p>24 ports of 10 BaseT/ 100 BaseTX on UTP & 2 ports 10/100/1000 BaseT / 2 SFP gigabit ports for uplink ,autosense and auto negotiation ,full duplex , with GBIC slots for expansion, Compliance to IEEE 802.3 (10BaseT) , IEEE 802.3u (100BaseTX) & IEEE 802.3z (1000BaseSx/LX/T) standards, with following features</p> <p>Compliance to IEEE 802.3x standards for full duplex support on 10BaseT , 100 BaseTx & 1000BaseT ports</p> <p>Switching Bandwidth 12.8 Gbps ,</p> <p>Inbuilt SNMP module supporting SNMPv2 , Bridge MIB, Ethernet MIB , RMON MIB, Interface MIB , MIB-II</p> <p>RMON support (group 1,2,3 & 9)</p> <p>19" Rack mountable ,indicators for per port status, system status , power & bandwidth utilization</p> <p>IEEE 802.1D compliant Spanning tree protocol</p> <p>IEEE 802.1Q compliant VLANs support (Port & MAC/tag based)</p> <p>IEEE 802.1p compliant prioritization</p> <p>In band management support via SNMP , WEB browser & Telnet</p> <p>Console port for configuration & out of band management</p> <p>MAC address based security support</p> <p>Traffic management support based on MAC source / destination address & IP source /destination address</p> <p>Support for IGMP snooping & Port aggregation / Trunking</p> <p>Compliance to 802.1X port level authentication , Port based ACLs</p> <p>Power requirement 240 VAC , 50 Hz , Operating temperature 0 to 45 degree centigrade , Operating humidity 10% to 85 % (non condensing) , UL & IEC safety certifications , FCC/EN Electromagnetic Emission certificates , MTBF 6 years</p> <p>Support for IPv6</p>
B.5.3	<p>SFP based GBIC for above switches</p>	<p>SFP based Gigabit UTP & Fiber GBIC's</p> <ol style="list-style-type: none"> a) 1000BaseT SFP transceiver b) 1000-SX SFP transceiver

B.5.4 Technical Specifications for Router

S.No		SPECIFICATIONS
1.	Type	Desktop , 1U , Metal chassis with option for 19" rack mounting
2.	Architecture	Single box configuration & modular , high speed CPU , Multi-service capable , support for IPv6
	Hardware	
3.	Memory	128 MB DRAM , 32 MB Flash memory ,
4.	Interfaces	2 nos of onboard Ethernet ports 10/100 Base TX , full duplex as IEEE 802.3u
		2 nos of Modular High speed WAN slots to support 2 MBPS circuits
		One onboard USB port
5.	Interface card	2 port Serial WAN interface card (V.35) & 2 Nos V.35 cables
6.	Performance	Fully loaded chassis must have less than 80% CPU utilization
		Firewall performance 100 Mbps or more @ 1Kbyte packets
		IPSec VPN performance 40 Mbps 3DES or more @ 1K byte packets
	Software	
7.	Routing	RIPv1,RIPv2,BGP,OSPF
8.	WAN protocols	PPP, Multilink PPP, HDLC , Frame Relay, X.25 , 802.1Q , MPLS provider edge functionality
9.	Network	Network Address translation (NAT) , DHCP , IPSec VPN, Internet Group Management Protocol (IGMP) , IP Multicast , Protocol Independent Multicast (PIM)
10.	Security	IPSec DES , 3DES, AES, AAA Radius , L2TP , Standard & Extended Access Lists ,Controlled SNMP Access ,Multiple Privilege Levels , PPP PAP & CHAP , Firewall
11.	Quality of Service (QoS)	Resource Reservation Protocol (RSVP) ,Committed Access Rate(CAR) , Weighted Fair Queuing (WFQ) ,Class Based WFQ, Weighted Random Early Detection (WRED) , IP Precedence
12.	Management	Console , SNMPv3 , CLI , Telnet , Web, SSH (All with access control)
13.	Power & operating temperature	230 V AC ,+/- 5 % , 50 Hz +/-1%, 0 to 40° C
14.	Power supply	Internal

B.5.5 Technical Specifications for 2 Mbps Leased Line Modem (Desk Top)

S.No.		SPECIFICATIONS
1.	Type	Desk Top
2.	Standard	Compliance with ETSI Standard - 101 524 ITU-T 991.2 G.SHDSL
3.	Transmission Rate(s)	2 Mbps & N x 64Kbps

4.	Data Format	Transparent , Full Duplex
5.	Line Requirements & interface	The modem should support 2w line-interface on RJ-11/RJ 45
6.	Line Coding	TC- PAM
7.	Digital Interface	a. V.35, 34 pin female connector b. G.703 E1 balanced modular connector (RJ 45)
8.	Minimum range	4 Km on 0.5 mm copper pair at 2 mbps data rate and higher distances at reduced data rates.
9.	Clock generator(s)	External & internal (both)
10.	Diagnostics	V.54 Loop backs(Local , Digital , Remote), Internal test pattern generator & Bit-Error count for trouble shooting both modem & line
11.	Indicator	Power , Transmit, Receive , Signal alarm and Test
12.	Configuration	Front Panel LCD for setup & monitoring
13.	Power, frequency & Operating Temperature	230 V AC ,+/- 5 % , 50 Hz +/-1%, 0 to 40°C Option for – 48 DC (if required) DC power supply option for G703 model only
14.	Others	<p>a. Online Performance monitoring :</p> <p>Self test , Transmission characteristics , loop length, return loss, jitter tolerance, frame format , Pulse shape ,SNR, should be compliant with ETSI 101 524</p> <ul style="list-style-type: none"> • Should have a valid Interface approval from TEC(BSNL/ MTNL) for E1 line. <p>c. Power cable as applicable in India.</p> <p>d. Operations / User Manuals</p> <p>e. All the necessary interface cable for installation / interfacing on BSNL/MTNL E1 (2 Mbps) circuits/equipment.</p> <p>f. Option for DC power supply</p>

Annexure Optional Technical 19: OT.01

Optional Items				
Optional Items for all Items of Annexure- MT.01		Make	Model	Technical Compliance
Optional Item for Server Systems				
1	250GB USB HDD			
2	Racks for Servers: 36 U Rack with front glass door & rear MS door (perforated) with necessary cables and accessories to connect KVM Switch, Monitor, KBD and max number of 1U servers. Rack should have three power distribution units (PDU) with 5 port each (with universal (15 & 5 Amp) socket). Provision should be there for minimum 2 input power sources in each PDU. Security features (Key and lock), and min 4 no. of cooling fans should be available with adequate hardwares for installation of rack			
3	Racks for Servers: 42 U Rack with front glass door & rear MS door (perforated) with necessary cables and accessories to connect KVM Switch, Monitor, KBD and max number of 2U servers. Rack should have three power distribution units (PDU) with 5 port each (with universal (15 & 5 Amp) socket). Provision should be there for minimum 2 input power sources in each PDU. Security features (Key and lock), and min 4 no. of cooling fans should be available with adequate hardwares for installation of rack			
4	USB KVM switch 4 port rack mountable (form factor :1U) with at least two sets of Cables of 7ft length (KBD, Video & Mouse)			
5	USB KVM switch 8 port rack mountable (form factor :1U) with at least two sets of Cables of 7ft length (KBD, Video & Mouse) & should have dual power input, firmware upgrade facility & daisy chaining features for future expansion and related accessories			
6	USB KVM switch 16 port rack mountable (form factor :1U) with at least two sets of Cables of 7ft length (KBD, Video & Mouse) & should have dual power input, firmware upgrade facility & daisy chaining features for future expansion and related			

	accessories			
7	7 feet cables & accessories to connect KVM Switch to Monitor, KBD & Mouse (per Set)			
8	12 feet cables_& accessories to connect KVM Switch to Monitor, KBD & Mouse (per Set)			
9	Flat 17 " TFT LCD Monitor Rack Mountable, foldable (1 U Form Factor) with Keyboard & Mouse to be connected to KVM Switch			
Optional Item for Thin Client PC		Make	Model	Technical Compliance
10	Additional 512MB Flash RAM			
11	Additional 512MB RAM			
12	Thin client with smart card reader			
Optional Item for SLIM PC		Make	Model	Technical Compliance
13	4GB Pen Drive (OEM warranty required)			
14	DVD +/- R (8X or higher) & +/- RW (4X or higher) DVD writer with minimum 2 MB buffer size & 1 Pack of 10 Blank DVDs			
15	Web camera with USB interface, 640 x 480 pixel video capture and 1280 x 960 pixel still image capture, 30 fps, CCD image sensor, built in microphone with video e-mail, video broadcasting and online video conferencing software. Windows and Linux support			
16	Microsoft Wireless Keyboard and Microsoft Wireless mouse with pad along with suitable adapter to connect with the client system			
17	OEM wireless keyboard and OEM Wireless mouse with pad along with suitable adapter to connect with the client system			
18	Add on Graphics controller with 1 GB RAM ATI Radeon 1650 or nVidia GE force 7600 with HDMI supporting OpenGL and DirectX 10			
19	Add on TV tuner card with 30fps & S-video Support			
20	9 in 1 card Reader & Writer			
Optional Item for Laser Printers		Make	Model	Technical Compliance
21	Mono Laser Printer – 18 PPM - Full capacity standard OEM toner cartridge for their quoted model			
22	Mono Laser Printer – (Duplex) 20 PPM - Full capacity standard OEM toner cartridge for their quoted model			
23	Multifunction Device – (Printer, Scanner & Copier) (A4 size) - Full capacity standard OEM toner cartridge for their quoted model			

Optional Item for Dot Matrix Printer		Make	Model	Technical Compliance
24	Ribbon			

Note: Vendor has to quote for all the optional items else quote will be rejected.

Annexure Optional Software 20: OS.01

1. Specifications for Linux Server distribution

- a. Stable kernel version with support for latest server hardware such as Raid controllers, Gigabit Ethernet controllers, Server chipsets etc.
- b. Should be able to give optimum performance and scalability across the board - memory, CPUs, I/O, networking.
- c. Should support mandatory (SELinux) and discretionary security policies.
- d. Good audit trail support for activities related to file-systems, processes, user actions and system services. Should also have system wide profiling tool.
- e. Unicode Support
- f. Should have certifications such as LSPP/RBACPP, EAL etc.
- g. Should have in-built LVM and Cluster File Systems (CFS) for distributed applications.
- h. File-systems should support hash tree for scalability.
- i. Should provide support for applications build on earlier versions of Linux.
- j. Online update facility for downloading security patches, updates and bug fixes. The vendor should also provide web and telephonic support for the Operating system.
- k. Built-in Virtualization support and virtualization management tools.
- l. Support for managing and installing built-in Cluster suite and HA for services such as web services, Mail services, Database services etc.
- m. Should support multiple hardware architectures. The OS should also be certified on hardware by leading system vendors.
- n. Product life cycle should be more than 6 years

2. Specifications for Linux Desktop distribution

- a. Support for high end clients (More than one processor).
- b. Should support multiple hardware architectures. The OS should also be certified on hardware by leading system vendors.
- c. Availability of applications such as Office suite, Web Browser, Mail client, Messaging, Image management etc.
- d. GUI support for installing and managing peripherals such as cameras, printers, scanners, flash drives, webcams, Biometrics devices such as finger print scanners etc.
- e. GUI tools for configuring devices such as Network cards, wireless cards, sound, display etc.
- f. Smart card based login.
- g. Support for update, management and provisioning which enables fast deployment and easy management for large number of systems.
- h. Online update facility for downloading security patches, updates and bug fixes. The vendor should also provide web and telephonic support for the Operating system.
- i. Support for ACPI (Power management) in case of laptops.
- j. Multilingual support.

- k. Should provide development stack and server applications for use in application development.
- l. Product life cycle should be more than 6 years.

3. Support Framework

Type	Timings	Days	Level
Web Based	24 Hours	All working Days	Level 1
Email	24 Hours	All working Days	Level 1
Telephone	24 Hours	All working Days	Level 1
Site Visit	As per the site rules	According to the user convenience	Level 1, 2 and 3 (2 persons per State should be deputed by the support providing agency for onsite support)

- 4. The offered OS flavor should be compatible with the e-Courts application software. The application software is developed and running on MySQL 4.1.7, PHP 4.3.9 and Apache 2.0.52. The same will be tested during the evaluation.
- 5. **Pre installed Antivirus software and in CD media with matching warranty period of system to take care of all latest viruses.**
- 6. **Preloaded Windows VISTA Ultimate OS with OEM pack OS in CD media, system user manual, necessary accessories and driver software in media.**

D	Financial
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Annexure 21: Financial

	Annexure- MF.01A	Financial Bid for Submission of Gross Total Value of Annexure : MF.01B
	Annexure- MF.01B	Detailed Financial Bid for Annexure : Main Technical MT.01, Annexure Optional Technical : OT.01 & Annexure : Optional Software OS.01

Annexure 22- MF.01A

Financial Bid for Submission of Gross Total Value of Annexure: Main Technical MT.01, Annexure Optional Technical: OT.01 & Annexure Optional Software: OS.01

Prices should be quoted in Indian Rupees and indicated both in figures and words. Price in words will prevail, in the event of any mismatch.

Grand Total Value (GTV) (i.e., value of cell (68, 7) of Annexure MF.01B (in Rs.) i.e., Value of 'X'	X
(Rupees _____)	
in words	

Note: Please ensure that the Grand Total Value given in Annexure MF.01A must match the Grand Total Value given in Annexure MF.01B.

Date:
Place:

Authorized Signatory
Name:

SEAL

Annexure 23- MF.01B

Financial Bid for all Items as per Annexure: Main Technical MT.01, Annexure Optional Technical: OT.01 & Annexure Optional Software: OS.01

- Prices in Financial Bid should be quoted in the following format, as per the specifications in respective Annexures.
- All prices should be quoted for Five-year warranty
- Prices should be quoted in Indian Rupees and indicated both in figures and words. Figures in words will prevail.
- Quoting incredibly low value of items with a view to subverting the tender process shall be rejected straight away and EMD of such vendor will be forfeited.
- Sum total of all taxes to be given in Column 4 (Taxes). The details of all the tax types and value in percentage to be provided separately in the table below.

	Item Description	Unit Price (Rs.)	Excise Duty (Rs.)	Taxes (Rs.)*	Unit Price (All inclusive) with five years warranty (Rs.)	Indicative Quantity for Determining the L1 vendor/rates only.	Total Price (All inclusive) with five years warranty (Rs.)
	1	2	3	4	5 = 2 + 3 + 4	6	7=5 X 6
HARDWARE ITEMS							
Server							
1	Rack Mount Server - 1U					2750	
2	Rack Mount Server - 2U					1300	
3	Thin Clients					39000	
Printers and MFD							
4	Mono Laser Printer - 15 PPM					26000	
5	24 Pin 136 Col. Dot Matrix Printer					13000	
6	Mono Laser Printer - (Duplex) 20 PPM					270	
7	Multifunction Device - (Printer, Scanner & Copier)					50	
8	Scanner					2500	
9	Portable Projector					600	
10	Slim Client PC					13600	
UPS							
11	1KVA Online UPS with 120 minute backup including batteries					1750	
12	2KVA Online UPS with 120 minute backup including batteries					650	
13	500 VA Line-Interactive UPS with 120 Min backup					13000	

	including batteries						
LAN PASSIVE COMPONENTS (CAT6)							
14	Supply and In-building laying of UTP CAT 6 cable					300000 mts	
15	Supply and Installation of 24 Port patch panel and termination of UTP cables on Patch Panel with wire Manager					3800	
16	Supply and Installation of information outlets and termination of of CAT 6 cable on I/O					62000	
17	Supply & installation of Patch Chords						
a)	3 feet					62000 mts	
b)	7 feet					31000 mts	
c)	10 feet					31000 mts	
18	Supply & fixing of ISI marked PVC duct of size						
a)	15 X 15 mm					180000 mts	
b)	30 x 25 mm					60000 mts	
c)	45 X 25 mm					60000 mts	
19	Supply & fixing of PVC conduit of OD size						
a)	20mm					180000 mts	
b)	32mm					60000 mts	
c)	40mm					60000 mts	
FIBER COMPONENTS							
20	Supply of Fiber Optic indoor Distribution cable Multi mode (MM) (6 core) & In building laying of fiber in duct / conduit					7500 mts	
21 a	Supply of Fiber Optic outdoor armoured cable Multi mode (MM) (6 core) & outdoor laying a) in soft soil Excavation and resurfacing of the soil (depth 1 mtr)					2000 mts	
21 b	b) in Concrete Excavation and resurfacing of the concrete (depth 1 Mtr)					1000 mts	
22	Supply & connectorization of Optical Fiber connectors SC Type, Epoxyless (Multimode) on fiber optic cable					9000	
23	Supply & installation Optical Fiber Patch Cord , MM , SC to SC					500	
24	Supply & installation Optical Fiber Patch Cord , MM , SC to MTRJ					500	
25	Supply & installation Optical Fiber Patch					1000	

	Cord , MM , SC to LC						
26	Supply & installation of LIU , 12 fiber , Wall mount enclosure , lockable					500	
27	Supply & installation LIU , 12 fiber , 1 U drawer style 19" Rack mount enclosure					1000	
28	Supply and installation of buffer tubing kit					9000	
29	Supply & installation Fiber optics cable route marker					2000	
30	Supply and installation/ fixing of 2" diameter GI pipe under ground and on surface					2000 mts	
19" Equipment mounting Racks							
31	Supply & installation of 19 " Rack , Wall mount 530 mm depth, 9 U height, Front glass door (lockable) with all accessories					1950	
32	Supply & installation of 19" Rack , Floor standing depth 800 mm 12 U height, Front & back glass door(lockable) with all accessories					50	
33	Supply & installation of 19 " Rack , Floor standing 800 mm depth 24 U height, Front & back door (lockable), Front glass door with all accessories					120	
LAN ACTIVE ITEMS							
34	Supply , installation & configuration of 8 port 10/100 Mbps & 1 port 10/100/1000 Mbps & SFP port ,wire speed , SNMP Managed , Full Duplex ,Layer 2 Switch					1000	
35	Supply , installation & configuration of 24 port 10/100 Mbps & 2 ports of 10/100/1000 Mbps & 2 SFP ports , wire speed , SNMP Managed , Full Duplex ,Layer 2 Switch					2850	
SFP based Gigabit UTP & Fiber GBIC's							
36	Supply & installation of a) 1000BaseT SFP transceiver					750	
37	Supply & installation of b) 1000-SX SFP transceiver					750	
ROUTER & MODEM							
38	Supply , installation & configuration of Router					2500	
39	Supply , installation & configuration of 2 a)					2500	

	Mbps Leased Line Modem(Desk Top) with V.35 Interface						
39 b)	Supply installation & configuration of 2 Mbps Leased Line Modem(Desk Top) with G.703 Interface					2500	
OPTIONAL ITEMS FOR SERVERS, THIN CLIENTS & PRINTERS							
Server							
40	250GB USB HDD					4050	
41	Racks for Servers : 36 U Rack					1750	
42	Racks for Servers : 42 U Rack					650	
43	USB KVM switch 4 port rack mountable (form factor :1U)					750	
44	USB KVM switch 8 port rack mountable (form factor :1U)					1600	
45	USB KVM switch 16 port rack mountable (form factor :1U)					50	
46	7 feet cables & accessories to connect KVM Switch to Monitor, KBD & Mouse (per Set)					750	
47	12 feet cables & accessories to connect KVM Switch to Monitor, KBD & Mouse (per Set)					1650	
48	Flat 17" TFT LCD Monitor Rack Mountable, foldable (1 U Form Factor) with Keyboard & Mouse to be connected to KVM Switch					2400	
Thin Clients							
49	Additional 512MB Flash RAM (Thin Client)					39000	
50	Additional 512MB RAM (Thin Client)					39000	
51	Smart card reader for thin client					39000	
Slim pc							
52	4GB Pen Drive(OEM warranty required)					39000	
53	Web camera with USB interface					50	
54	DVD +/- R (8X or higher) & +/- RW (4X or higher) DVD writer with minimum 2 MB buffer size & 1 Pack of 10 Blank DVDs					250	
55	Microsoft Wireless Keyboard & Microsoft Wireless mouse with pad along with					570	

	suitable adapter							
56	OEM wireless keyboard and OEM Wireless mouse with pad along with suitable adapter					570		
57	Add on Graphics controller with 1 GB RAM ATI Radeon 1650 or nVidia GE force 7600 with HDMI supporting OpenGL and DirectX 10					250		
58	Add on TV tuner card with 30fps & S-video Support					250		
59	9 in 1 card Reader & Writer					250		
Laser Printers and MFD								
60	Mono Laser Printer – 15 PPM - Full capacity standard OEM toner cartridge for their quoted model					52000		
61	Mono Laser Printer – (Duplex) 20 PPM - Full capacity standard OEM toner cartridge for their quoted model					270		
62	Multifunction Device – (Printer, Scanner & Copier) - Full capacity standard OEM toner cartridge for their quoted model					50		
Dot Matrix Printer								
63	Ribbon					13000		
Software Items								
64	Linux Server distribution with Media					2500		
65	Linux Desktop distribution with Media					13000		
66	Pre installed Antivirus software					570		
67	Preloaded Windows VISTA Ultimate					570		
68	GRAND TOTAL VALUE (GTV) in Rs.							'X'

- (1) Unit Price (Column 5) should include packing, forwarding, freight, insurance, installation, commissioning, warranty or any other charges.
- (2) Octroi Exemption certificate will be given. If Octroi is required to be paid, it will be reimbursed as per actual.
- (3) FORM D or FORM C will not be provided.
- (4) **All fields in the financial bid format are MANDATORY.**
- (5) **Octroi and State Entry Tax should not be included in Column Taxes.**
- (6) *Details of Taxes to be provided here:

S.No.	Tax Type	Value (In Percentage)

Date:
Place:

Authorized Signatory
Name:

SEAL

E	Document Lists / Check-lists to be submitted
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Annexure 24- Enclosures Check-list

(To be submitted properly numbered and indexed along with signatures of the authorized representative of quoting vendors).

S. No.	Description	Compliance (Y/N)	Refer Page No. in the Bid
For Envelope No. 2- Eligibility Criteria			
1	Information as per Annexure : Eligibility Criteria		
2	Information as per Annexure : Support		
3	Authorization letter for submission of quotation by the authorized signatory (with signature duly attested by the Company's Director / CEO) on a stamp paper. Proof of Authorised Signatory in the form of Power of Attorney / Board Resolution		
For Envelope No.3 -Technical Bid			
4	Original catalogue of the products quoted.		
5	Necessary detailed technical write up highlighting features of the systems offered.		
6	Reports published in journals comparing the offered product with other similar products.		
7	Information on future planned upgrade path and compatible products along with anticipated time frame.		
8	List of important installation site having same equipment as quoted in the technical bid.		
9	List of service centers located across India along with contact details.		
10	For all the quoted items, make and model should be mentioned in the technical bid along with complete details.		
11	Unpriced Bill of Material along with part numbers, make and model for each item quoted.		
12	Certificate to the effect that the offered/quoted products conform to the tender specification		
13	Any other document which the vendor may feel necessary to support the product/bid.		
Total No. of Pages in the bid, all sequentially numbered			
For Envelope No.4 – Main Financial Bid			
15	Financial bid as per Annexure-MF.01A		
For Envelope No.5 – Detailed Financial Bid			
16	Financial bid as per Annexure-MF.01B		