

No. 10(58)/2009-NICSI

NATIONAL INFORMATICS CENTRE SERVICES INC.  
(NICSI)

(A Government of India Enterprise under NIC)  
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TENDER NO. NICSI/Local Area Network/2009/54

TENDER DOCUMENT

*FOR*

EMPANELMENT

OF

SYSTEMS INTEGRATORS

*for*

Supply, Installation, Testing & Commissioning  
of

Local Area Network (LAN) on all India Basis.

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N0. 10(58)/2009-NICSI

National Informatics Centre Services Inc.  
(A Government of India Enterprises under NIC)

**TENDER FOR EMPANELMENT OF SYSTEMS INTEGRATORS FOR SUPPLY, INSTALLATION, TESTING & COMMISSIONING OF LOCAL AREA NETWORK(LAN) ON ALL INDIA BASIS.**

**1. OBJECTIVE / SCOPE**

Sealed tenders, valid for a period of 120 days from the date of opening, are invited from eligible bidders for empanelment to Supply, Installation, Testing and Commissioning of Local Area Network (LAN) on All India basis.

NICSI would like to have a panel of bidders to cater its users & own requirement. The empanelment will be for an initial period of two year which can be extended for another six months through mutual consent. The empanelled bidders will supply the empanelled items at the rates finalized through this tender during the period of empanelment/extended empanelment except for revision in rates as per provisions of clause 5.13 of the tender.

Earnest Money Deposit amounting to Rs. 5,00,000 (Rupees Five Lakhs) only is to be submitted through demand draft. However, the bidder shall quote for all the corresponding items; otherwise the bid may be rejected for that item.

**2. Availability of Tender**

On-Line bidding through NICSI E-Procurement System:

The tender document will be available at NICSI e-procurement site <http://eproc-nicsi.nic.in>. Prospective bidders desirous of participating in this tender may view and download the tender document free of cost from above mentioned website. However bidders need to submit the tender fee of Rs. 500/- (Rupees Five hundred only) through demand draft / pay order from a schedule commercial bank drawn in favour of NICSI payable at New Delhi along with the bid.

**3. Important Dates:**

Date of publication	29.01.2010 at NICSI e-procurement site <a href="http://eproc-nicsi.nic.in">http://eproc-nicsi.nic.in</a>
Start of Sale of Tender Document:	From the next day of its publications on the website
Seek clarification start date	2 Days after its publication
Seek Clarification end date	2 Days before the pre-bid meeting
Pre-bid Meeting:	17.02.2010 at 11.30 Hrs at National Informatics Centre Services Inc., Hall No. 2 & 3, 6 <sup>th</sup> Floor, 15 NBCC Tower, 15 Bhikaji Cama Place, New Delhi
Bid submission start date	23.02.2010 at 10: 00 AM onwards
Bid submission end date:	02.03.2010 upto 11:00 Hrs
Opening of Tender Bids ( Eligibility & Technical):	02.03.2010 at 11:30 Hrs

#### 4. ELIGIBILITY CRITERIA

- 4.1. The bidder's should have been carrying out LAN SYSTEM INTEGRATION and related services in networking field in India, particularly in Local Area Network (LAN) for at least past TWO YEARS ( 2007-08, 2008-09) in Govt./PSU.
- 4.2. The bidder's should be able to undertake LAN Work in all the metropolitan cities of India without sub- contracting the work to another vendor. The bidder must have country wide infrastructure support. i.e their own offices in major metros (Delhi, Mumbai, Chennai, Kolkatta, Bangaluru, Hyderabad and Guwahati). List with addresses of offices in India shall be enclosed.
- 4.3. The Service Tax Registration number of the firm along with the work contract Registration no./ CST No. / VAT No. /LST No. / PAN no. should be provided.
- 4.4. Earnest money deposit of Rs. 5,00,000/- (Rs. Five Lakhs) only in the form of Demand Draft/Pay Order from a commercial bank in favour of "NICS" payable at New Delhi.
- 4.5. Attested copies of Articles of Association (in case of Registered firm), Bye laws and certificates for registration (in case of registered co-operative Societies), partnership deed (in case of partnership firm), should be submitted.
- 4.6. The bidder's turnover in terms of earning from LAN Systems Integration work and supply within India should be at least Rs.1 Crore (One Crore) or above, during each of the last 2 years viz. 2007-2008, 2008-2009. Submit documentary proof on the turnover i.e. certificate from Chartered Accountant. The turnover only refers to bidder participating this tender and not the composite turnover of its subsidiary/sister concern etc.
- 4.7. A self certificate that the bidder has not being blacklisting by any institution of Central / State Govt. in the past two years be submitted.
- 4.8. A bidder should be authorized distributor for quoted items and also authorization certificate(s) shall be enclosed with the bid.
- 4.9. All Certification asked in technical bids should be in the name OEM.  
The Bidders are requested to furnish documents to establish their eligibility for each of the above clauses. Relevant portions, in the documents submitted in pursuance of eligibility criterion mentioned above, should be highlighted. If tender were not accompanied by all the above documents mentioned, the same would be rejected. Undertaking for subsequent submission of any of the above document will not be entertained. However NICS reserves the right to seek fresh set of documents or seek clarifications on the already / submitted documents. All documents should be submitted electronically in PDF format. However, Financial Bid should be submitted in XLS format.

Upon verification, evaluation / assessment, if in case, any information furnished by the Bidder is found to be false / incorrect, their bid shall be summarily rejected and no correspondence on the same shall be entertained.

**THE BID SUBMITTED BY ANY BIDDER NOT FULFILLING THE ELIGIBILITY CONDITIONS / CRITERIA STIPULTED ABOVE, WILL NOT BE CONSIDERED**

#### 5. TERMS & CONDITIONS

## 5.1. Pre-Bid Meeting

NICSI shall hold a pre bid meeting with the prospective bidders at 11:30 AM on 17.02.2010 in the NICSI conference hall. Queries received, from the bidders, two days prior to the pre bid meeting shall be addressed. The queries can be sent to NICSI through email at tender-nicsi@nic.in or faxed on 26105212.

## 5.2 . Bid Submission

5.2.1. Online bids (complete in all respect) must be uploaded on <http://eproc-nicsi.nic.in> latest by 11:00 hours on 02.03.2010

5.2.2. The Online bids should be submitted as under:

EN-I Bank Draft(s) towards EMD and TENDER FEE in one cover sealed and superscripted “EMD and Tender Fee - NICSI LAN Tender, 2010 due on 02.03.2010 at 11:00 Hrs.” A letter specifying the draft details should be submitted physically. However the scanned copy of Bank drafts must be uploaded (PDF format) electronically on <http://eproc-nicsi.nic.in>. Bidders must also upload the signed copy (each page) of tender document as token for acceptance of all tender terms & conditions.

EN-2 The PDF file, containing the following information, should be titled as

“Eligibility Criteria – NICSI LAN Tender, 2010”

- a. Bidder’s profile as per Annexure-A.
- b. Compliance sheet as per Annexure-B and the supporting documents.
- c. All the documents asked for eligibility criteria.

EN-2 The PDF file, containing the following information, should be titled as

“Technical Bid- NICSI LAN Tender, 2010”

The Technical Bid shall contain documents as per Annexure 1.0 to 6.0 of this Tender. The bidders must specify make and model of all products being quoted by them.

This PDF file not containing the above documents or containing the financial bid in explicit/implicit form will lead to rejection of the bid.

EN-3 The XLS file titled as ‘FIN\_A’ for “Financial Bid- NICSI LAN Tender and should contain the Financial Bid as per Annexure-7.0 to Annexure-13.0.

5.2.3. Earnest Money Deposit (EMD) of Rs. 5,00,000 (Rupees Five Lakh only) has to be submitted. The EMD is to be submitted through Demand Draft / Pay Order of any Scheduled Commercial Bank drawn in favour of National Informatics Centre Services Inc., New Delhi physically before 11:00 Hrs on 02.03.2010. Otherwise bids will be rejected. However the scanned copy of Bank drafts must be uploaded (PDF format) electronically on <http://eproc-nicsi.nic.in>. No Bank Guarantee towards EMD will be acceptable. EMD of unsuccessful bidders will be returned, without any interest, on tender finalization. EMD of successful bidders will be converted into bank guarantee for the period of empanelment/extended empanelment. The BG will be released after the empanelment or execution of all pending orders whichever is later.

- 5.2.4. All the bids documents should be digitally signed by the authorized signatory.
- 5.2.5. All pages of the bid being submitted must be sequentially numbered by the bidder.
- 5.2.6. NICS I 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 online bids.
- 5.2.7. The bids submitted by telex/ telegram/ fax/ E-mail / manually etc. shall not be considered. No correspondence will be entertained on this matter.
- 5.2.8. The rates are to be quoted in strict compliance to the financial bid otherwise the bid is liable to be rejected.
- 5.2.9. Percentage (%) of taxes etc., if any, to be claimed shall be indicated in the Price bid, otherwise it will be presumed that rates are inclusive of all taxes and no plea would be accepted in this regard after opening of the tenders
- 5.2.10. The basic prices in Indian rupees should be quoted separately for each set of items given in Annexure-7.0 to Annexure-12.0 of Financial Bid Performa inclusive of all accessories like Power Cables (as per Indian environment), Driver Software, related accessories, Documentation of sub assemblies of quoted item and Operating Manuals of the system, Packing, Forwarding, Freight, Insurance, Installation charges at sites and Warranty etc. Certificates for Exemption of Octroi charges / entry tax shall be furnished by NICS I users. It shall be the exclusive responsibility of the vendor to collect these Forms/Documents from the NICS I users. In the absence of exemption certificates from NICS I users towards octroi / entry tax, the bidder will be reimbursed the actual charges paid by them.
- 5.2.11. The selected bidders shall be empanelled with NICS I for a period of 2 years, which can be extended for a further period of 6 months through mutual consent. Rates quoted shall be valid for the period of empanelment and the extended period, unless revised as per the provisions of clause 5.13.
- 5.2.12. The rates are to be quoted by the bidders in Indian Currency and payment shall be made to successful bidders in Indian currency only.
- 5.2.13. The prices shall be for delivery at desired destination in India including installation/commissioning and complete operationalization.
- 5.2.14. The warranty period of one year shall be taken into account for all quoted items except their consumable parts, from the date of completion of supply, its successful installation/commissioning and acceptance by NICS I/NIC or 15 months whichever is earlier from the date of delivery. Warranty of consumable part will be equal to their life/duty cycle.
- 5.2.15. The bidder should certify support for the supplied item, in case NICS I/NIC or its users decide to go in for in-house maintenance or through a third party after warranty support, the vendor shall supply the spare parts to NICS I users/NICS I or a party designated by NICS I to give the complete support of minimum two years after warranty period of supplied product.
- 5.2.16. Conditional tenders shall not be accepted on any ground and shall be rejected straightway. If any clarification is required, the same should be obtained before submission of the bids.

5.2.17. Bidder shall furnish a compliance statement (Point-wise) of specifications & features of offered equipments with the Technical Bid. Deviations from technical specifications should be furnished as per Annexure-C. Deviation on lower side of specifications will not be considered. No deviations in terms & conditions of the tender document will be accepted in any case.

5.3. Bid Opening:

Online bids (complete in all respect) received along with Demand Draft of tender fee & EMD (Physically) will be opened at 11:30 hours on 02.03.2010 in presence of bidders representative if available. Bid received without tender fee & EMD will be rejected straight way.

**5.4. EVALUATION OF BIDS**

**5.4.1. Technical Evaluation**

5.4.1.1. A duly constituted Technical Evaluation Committee (TEC) will first select Bidders on the basis of eligibility criteria of this tender. The Bids conforming to the eligibility criterion will be considered for further evaluation.

5.4.1.2. The TEC will short list the Technical bids configuration wise on the basis of technical parameters. The short listed Bidders may be asked to bring one of each quoted model or improved latest model of same make as per specifications set out in the tender for technical evaluation, along with their own test and measuring equipments/software at NICS HQ or any other site as may be finalized by NICS, as per schedule to be intimated to them. In case of improved model the improved model should not be inferior in any specification then the quoted model. During Technical Evaluation the quoted product shall be physically verified for the required tender specifications, tested for reliability, functionality, benchmarked and other features as decided by the TEC. In case the vendor fails to bring the quoted products within the prescribed limit given by the NICS for evaluation, the bid shall be rejected and EMD forfeited. In case TEC decides to inspect the items at Bidder's/OEM's premises, the expenditure on travel will be borne by NICS.

5.4.1.3. If during the technical evaluation, any of the quoted item fails then no subsequent chance will be given to the Bidder. However, alternate item (1) of already quoted make and model or (2) improved latest model of same make on account of technological trends which meets all the tendered technical specifications and superior in specifications then the quoted model, if available instantly on the spot could be considered by TEC for evaluation only once. Based on the demonstration/evaluation test results, Bidders will be short listed further and the names of short listed Bidders will be informed to only those Bidders who's Technical Bids qualify for opening the Financial Bids.

In their own interest, the bidders are advised to ensure that the quoted items & the relevant optional items brought for evaluation conform to all tendered technical parameters/specifications and are functional. Quoted item brought for evaluation not meeting complete tender specifications or lower in specification will not be considered for evaluation.

5.4.1.4. For Technical Evaluation, Bidders have to ensure the availability of appropriate specialist, along with every type of documentation and consumable required, from their organization for interacting with TEC and evaluation team. If the required specialist along with proper documentation is not made available by Bidders, then such defaulting Bidders will automatically be debarred from the tender evaluation process.

#### 5.4.2. Financial Evaluation

- 5.4.2.1. The Financial bids of the technically qualified vendors only will be opened in the presence of their representatives on a specified date and time at NICS. THERE WILL BE NO NEGOTIATIONS REGARDING THE FINANCIAL BIDS. Before opening the financial bids, if NICS considers necessary, it may ask for revised commercial bids from the short listed vendors which should be submitted. The revised bids should not be more than the one quoted earlier by the respective vendor. Any vendor quoting higher rates in their revised commercial bid will not be considered for further evaluation. The lowest quoting vendor (LQ-1) shall be the first chosen on the basis of the lowest commercial bid if all the features in the specifications of Annexure(s) are present and will be included in the panel of selected vendors. NICS, however, wishes to have a panel of not more than three vendors. For this purpose, opportunity would be given to the second lowest quoted vendor (LQ-2) to agree to supply the item/work wise rate of the lowest quoted vendor (LQ-1) in commercial bid. If LQ-2 agrees, LQ-2 will be empanelled. In case, LQ-2 does not agree, the opportunity would pass on to the next vendor (LQ-3), failing which to (LQ-4), if any, and so on. In the event of all the vendors not agreeing to the LQ-1 rates, only one vendor (LQ-1) will remain on the panel.
- 5.4.2.2. LQ-1 is the bidder with lowest total quote of all the items in Annexure 13.0. However LQ-1 has to agree to the lowest quote of individual item/work in Annexure 7 to 12 offered by any of the responsive vendors. If LQ-1 vendor doesn't agree to the above his EMD will be forfeited and bid rejected.
- 5.4.2.3. The decision of NICS arrived at as above will be final and no representation of any kind will be entertained on the above. Any attempt by any vendor to bring pressure of any kind may disqualify the vendor for the present tender and the vendor may be liable to be debarred from bidding for NICS tenders in future for a period of three Years.
- 5.4.2.4. NICS reserves the right to accept any bid, and to cancel/abort the tender process and reject all bids at any time prior to award of contract, without thereby incurring any liability to the affected vendor(s), of any obligation to inform the affected vendor(s) of the grounds for NICS's action and without assigning any reasons.
- 5.4.2.5. Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected. If the vendor does not accept the correction of the errors, its bid will be rejected and EMD forfeited. If there is a discrepancy between words and figures, the amount in words will prevail.
- 5.4.2.6. When deemed necessary, NICS may seek clarifications on any aspect from the vendor. However, that would not entitle the vendor to change or cause any change in the substance of the tender submitted or price quoted. Also it will not imply that vendor's bid has been selected for processing.

#### 5.5. EMPANELMENT OF BIDDERS

- 5.5.1. Maximum of three vendors will be empanelled under this tender and with all its terms and conditions, can be used by NIC also.
  - 5.5.2. All empanelled Bidders shall have to enter into a written agreement with NICS for honoring all tender conditions and adherence to all aspects of fair trade practices in executing the purchase orders placed by NIC/NICS on behalf of its clients.
  - 5.5.3. In the event of an empanelled 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 the NICS, should be passed on for compliance by the new company in the negotiation for their transfer.
  - 5.5.4. If the name of the product is changed, the renamed product should be equivalent or superior in technical specifications of empanelled item.
  - 5.5.5. In case any selected L1 bidder refuses to sign empanelment within seven days of communication from NICS, the offer would be treated as withdrawn and the bidder's EMD will be forfeited and tender will be scraped. If other bidders refuses to sign the empanelment after matching L1 rates, their EMD will be forfeited and offer will be extended to other qualified bidders to make a penal. The defaulting bidder may also be debarred from participating in NICS tenders for a period of three years.
  - 5.5.6. In case of empanelled bidder is found in breach of any condition(s) of tender or supply order, at any stage during the course of supply / installation or warranty period, the legal action as per rules/laws, shall be initiated against the bidder and EMD/Security Deposits shall be forfeited, besides debarring and blacklisting the bidder concerned for at least three years, for further dealings with NICS.
  - 5.5.7. The bidder should not assign or sublet the empanelment or any part or it to any other vendor in any form. Failure to do so shall result in termination of empanelment and forfeiture of Security deposit,
  - 5.5.8. NICS 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 NICS.
- 5.6. SELECTION OF VENDOR
- 5.6.1. The selected vendor will be responsible for total system integration.
  - 5.6.2. Orders will be placed as per NICS/NIC User's requirements on the finally selected panel vendor(s). The panel will be valid for a period of 24 (Twenty Four) months in the first instance. It may be extended for a further period of six months depending upon the need for continuity and contemporariness of the technology.
  - 5.6.3. All empanelled vendors will have to enter into a written agreement with NICS for honoring all aspects of fair trade practices in executing the Work orders placed by NICS or organizations supported by NICS.

5.7. SECURITY DEPOSIT

For the vendor selected for empanelment, EMD will be returned after submission of Bank Guarantee of equal amount, i.e., Rs. 5,00,000/- (Rupees Five Lakhs) only in the name of NICS. The BG will be returned without any interest, after the initial/extended period of empanelment. The EMD of vendor(s) not selected for empanelment shall be returned without any interest at this stage. The empanelled vendor(s) should also submit Bank Guarantee (BG), favoring NICS, valid for 15 months, which will be equal to 8.5% (Eight and half Percent) of the Purchase Order value from the date of delivery. The BG will be retained till satisfactory warranty support has been provided by the Vendor for all the systems supplied and installed, and thereafter the BG will be returned to them.

#### 5.8. PRE-DELIVERY INSPECTION AND ACCEPTANCE OF ITEMS

- 5.8.1. The item must be offered in full as per ordered configuration for testing and acceptance. No item with short supply or with different technical specifications shall be accepted for conduct of acceptance testing under any circumstances. The acceptance tests will include the verification of specifications of ordered item, functional testing and reliability test. The items must give same performance results as shown during initial demonstration/evaluation tests. The delivered items, in addition to meeting the performance results as per evaluation tests, should also contain the same subsystem (Brand/Manufacturer) as were given at the time of initial evaluation tests. Failure to fulfill any of the above-mentioned conditions will entail cancellation of the Purchase Order along with forfeiture of the EMD/Security Deposit. The bidders must ensure before acceptance of purchase order that enough number of ordered items are available in stock to supply. In no circumstances different make & model other than ordered in purchase order/amendment order will be accepted.
- 5.8.2. In case any of the empanelled items becomes obsolete and if the empanelled bidder(s) want to offer a new item/model of same make and same or higher specifications, which was not offered for evaluation, the same should be offered to NICS for evaluation with full configuration before acceptance of purchase order. The vendor should provide detailed technical documents and technical man power support so as to enable NICS to carry out the evaluation process again on the new item. The decision arrived at by NICS will be final and binding on the vendor.
- 5.8.3. Since technological trends in IT industry are changing very rapidly, NICS will examine/re-access the technical specifications of all empanelled items and/or optional items at an interval of three months from the date of empanelment and have consultation with all empanelled bidders for technological up gradation. If considered necessary the item may be considered for up gradation on higher side after consultation with empanelled bidders. If majority of empanelled bidders agreed for upgradation and same is accepted by NICS competent authority, the finalized up gradation will be applicable for all empanelled bidders of that category. Besides this up gradation, NICS will not entertain any request of empanelled bidder for any mid term up gradation.
- 5.8.4. The schedule for acceptance testing dates shall be provided at least 15 days before the last date of delivery. This needs to be strictly followed.
- 5.8.5. Normally, testing and acceptance of the ordered items will be done at the bidder's premises, where it will be tested as per ordered specifications. NICS/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. The items which are accepted after testing should be sealed inside carton under the joint signature of the representatives of NICS/NIC and Bidder'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 actual sites of installation. NICS will have the option to test and accept an item at user's premises in case of emergency situations.

#### 5.9. DELIVERY & PENALTY

- 5.9.1. The schedule to be given for delivery at site is to be strictly adhered to in view of the strict time schedule for implementation of various Projects. Any unjustified and unacceptable delay in delivery beyond the delivery schedule as per Purchase Order (which shall not be more than 45 (Forty Five) days for North-eastern States including Sikkim, J&K, Lahual-Spiti & Kinnaur in HP, Andaman Nicobar and Lakshdweep Islands and Thirty five (35) days for the rest of the locations across India from the date of Purchase Order) will render the vendor liable for liquidated damage at the rate of 0.2% (point two percent) of the purchase order value per day subject to a maximum of 30 days. Proof of Delivery duly signed by the user/NIC/NICSI Project Coordinator, with his name, date of delivery, designation and office seal, legibly recorded, should reach NICS Head Quarters, New Delhi within 4 weeks of the delivery except for delivery in North-eastern States including Sikkim, J&K, Lahual-Spiti & Kinnaur in HP, Andaman Nicobar and Lakshdweep Islands locations. Delivery note of these locations should reach within six weeks of delivery date
- 5.9.2. If the delivery, of whole or in part, is delayed beyond 30 days from last date of delivery as given in the purchase order, NICS will have option to cancel the purchase order to the extent of unfulfilled part of the purchase order. NICS will be free to procure the remaining items from alternate sources at the cost and risk of the defaulting vendor, by forfeiting the EMD/Security Deposit of the Vendor. In addition, NICS will impose a cancellation charge of 8.5% of the value of unsupplied items, which will be recovered from the pending bills or EMD/Security Deposit or by raising claims.
- 5.9.3. NICS will impose penalty on total value of purchase order, if the delivery of more than 20% of the total order value is delayed beyond the last date of delivery. If the delivery is delayed for the item(s) whose value is equal or less than 20% of the total order value, the penalty shall be applicable on the delayed equipment only,
- 5.9.4. On the receipt of the purchase orders the vendors within Ten (10) Days shall initiate the process of obtaining all the necessary documents directly from the user for the State Entry Permit in respective States wherever required for complete and safe delivery of the ordered products. However for cases where copy of invoice and GR (Goods Receipt) from the transporter is required for applying for road permit, the process should be so initiated by the vendor that the delivery schedule is met. Proof for the communication sent and duly receipted by the user and/or NICS/NIC project coordinator with signature, name, designation, telephone number and preferably with office seal should be submitted to NICS. If after such proper communication, there is any delay in the issuance of road permit from the user, the vendor will be entitled to get extension for delivery period of two weeks from the date of receipt of the road permit. Vendor will also be entitled to get extension in delivery if delivery of items is delay because of reasons pertaining to user. In such case vendor should submit a letter from user for the extension of delivery period before last date of delivery given in purchase order.

## 5.10. INSTALLATION SCHEDULE & PENALTY

- 5.10.1. The Bidder should install all the items at specified site without any additional charge. Installation should be completed within 30 Days (Thirty Days) from the scheduled or actual date of delivery whichever is later for all locations. If the scheduled date of delivery / installation falls on holiday / non working day (at the delivery location), the next working day shall be treated as due date of delivery / installation. At the destination site, the Cartons will be opened only in the presence of user Official and Bidder's representative and the intact position of the Seal for not being tampered with shall form the basis for certifying the receipt in good condition. During installation at site if any item is found to be defective or broken, it will be replaced with new one by the Bidders at their own cost and risk within Four weeks. If the items are not installed at site within the stipulated time after delivery due to the 'non-responsiveness' of the vendor, a penalty at the rate of 0.2% (zero point two percent) of purchase order value per day subject to a maximum of 15 days will be imposed on delayed installed items. Thereafter, NICS holds the option to complete the installation work through alternate sources at the risk and cost of the defaulting vendor. A sticker mentioning the service support call centre number of the vendor should be pasted on each supplied item. An installation certificate as per format given in Annexure-D must be obtained from user or NIC/NICSI project coordinator as then case may be.
- 5.10.2 For Site Not Ready (SNR) cases, vendor requires to submit SNR certificate as per Annexure-E signed by NIC/NICSI Coordinator of the project/ User Department. However, regarding readiness of site, the decision of the User Department/NIC/NICSI Project Coordinator will be final. No penalty will be imposed for SNR cases, however, vendor has to install the items within 15 days as per clause 5.10.1 of receipt of Site Ready notice from User/NICSI/NIC else it will attract penalty as per above clause- 5.10.1 recoverable from Bill.
- 5.10.3 It shall be the exclusive responsibility of the Vendors supplying the items to provide appropriate device drivers and solutions for these system software platforms.

## 5.11. PAYMENT

- 5.11.1. Pre-receipted bills shall be submitted in triplicate in the name of User A/c NICS for the location mentioned in the Work order. The 100% payment would be processed against Proof of Delivery of items and 100% payment against installation / work at required sites. **Separate Purchase Order will be issued for delivery of items and installation for LAN work.** For installation work, the vendor shall submit a certificate from the user about satisfactory completion of work. The payment of installation work will be only on the basis of actual installed items, not for delivered items.
- 5.11.2. The schedule for completion of work & for testing and acceptance at site is to be strictly adhered to in view of the strict time schedule for implementation of various Projects. Any unjustified and unacceptable delay in delivery of the items beyond 35 days (45 days in difficult areas like NE, Sikkim, J & K and A&N Islands) will render the Vendor liable for damage at the rate of 0.2% (point two percent) per day subject to a maximum of 30 days and for installation beyond 30 days (after delivery) will render the Vendor liable for damage at the rate of 0.2% (point two percent) per day subject to a maximum of 15 days thereafter NICS holds the option for cancellation of the purchase/work Order. Pending work will be got completed from other vendor at the risk and cost of the defaulting vendor and recover from the Security Deposit of the defaulting vendor. In addition the vendor shall also be liable to pay to NICS a cancellation charge of 8.5% of the value of unsupplied items/incomplete work.

- 5.11.3. On completion of the work the vendor shall submit the detailed diagram of the cable route map to the NICS's client and obtain a certificate, which will be submitted, to NICS along with the bills.
- 5.11.4. NICS reserves the right to reject any work, if found unsuitable and/or not conforming to the approved specifications. The rejected work, if any, shall have to be redone forthwith at the cost of the vendor. No payment will be made for the rejected work.
- 5.11.5. NICS reserves the right to deduct amount from the bill as may be considered reasonable for unsatisfactory execution of the work. The decision of NICS will be final in this regard.
- 5.11.6. The empanelled vendor(s) shall pick up the purchase/work order within two days of information and start executing the purchase/work orders immediately so as to meet the schedules. Any denial for accepting the purchase/work order either hand delivered or sent through post/fax/email shall be construed as non-performance which may lead to cancellation of empanelment and forfeiture of Security Deposit.

## **5.12. WARRANTY MAINTENANCE**

- 5.12.1. All the items shall be under one Years on-site comprehensive warranty support from the date of installation or 15 months from date of delivery whichever is earlier at the site, except consumable items. The warranty on consumable parts will be equal to their life/duty cycle as defined.
- 5.12.2. The vendor should fulfill the following conditions during warranty period: -
  - a. Any failure in the supplied item should be rectified within maximum period of 72 hours of logging 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.
  - b. If any of the system is down beyond 72 hours (at State Capitals & Sites with public air-transport facilities) or 96 hours (at other Sites) as the case may be, penalty will be charged or recovered from out of withheld amount towards warranty or payment due per day per item at the rate of Rs. 100. Maximum Penalty in a year will be limited to the 10% of purchase order value of the item.
  - c. Any item failing at sub-component level more than three times in three months, displaying chronic system design or manufacturing defects or Quality Control problem will be replaced by the Vendor at his cost and risk within 30 days, from the date of last failure.
- 5.12.3. 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 one/three year for all the items. If considered necessary, suitable amount of penalty shall be recovered from the Vendor out of their due payments or from their Security Deposit or by raising claims, while releasing the Security Deposit.

### 5.13. PRICE VARIATION CLAUSE

- 5.13.1. During the validity of the empanelment including the extended period, if any, if the Bidder sells any empanelled item to any other Department/Organization at a price lower than the price fixed for NICS, the Bidder must voluntarily pass on the price difference to NICS with immediate effect. Similarly, in the event of lowering of Government levies subsequent to the finalization of the panel, the Bidder shall automatically pass on the benefits to NICS, and in the event of increasing of Government taxes/ levies subsequent to the finalization of the panel, NICS shall consider the case on merit and the pro-rata benefits to the vendor if full reference with documentary evidence is submitted.
- 5.13.2. During the validity of the panel, NICS may ask the technically short listed Bidders to requote the prices based on new / advanced configurations due to technological up gradation or reduction of price and the Bidder(s) will be selected on the basis of procedure as per clauses under 5.4 of the tender document. The time difference between such requotes will be minimum three months except in case of the union budget.

### 5.14. REFUND OF EMD & SECURITY DEPOSIT

5.14.1. The Earnest Money Deposit (EMD) will be refunded as follows.

1. In the case of those bidders who fail to qualify the eligibility criteria, the Earnest Money Deposit (EMD) will be refunded without any interest accrued immediately thereafter.
2. In the case of those bidders whose technical bids do not qualify, the EMD will be refunded without any interest accrued within one month of the acceptance of TEC's recommendations.
3. In the case of those bidders who are not empanelled, the EMD will be refunded without any interest accrued within one month of the acceptance of FEC's recommendations.
4. In case of those bidders whose tender bids are accepted for the empanelment, EMD will be refunded on receipt of Security Deposit of amount Rs. Five Lakh for empanelled items. Security Deposit shall be in the form of Bank Guarantee (BG) drawn in the name of National Informatics Centre Services Inc Hall No. 2&3, 6<sup>th</sup> Floor, NBCC Tower, 15 Bhikaji Cama Place, New Delhi – 110 066, valid for a period of 15 (Fifteen) months and shall be renewed by the bidder till Empanelment lasts or the orders placed are executed, whichever is later. No interest will be payable for the Security Deposit.
5. On completion of the warranty period of ordered items, the Security Deposit without any interest accrued shall be released after ascertaining that satisfactory support has been provided during the warranty period. In case, it is found that appropriate satisfactory support has not been provided by the Bidder, NICS/NIC will ensure that the prescribed penalty for the default in service has been realized or shall be recovered from the Bidder out of already due payments.

### 5.15. INDEMNITY

The selected vendor shall indemnify the NIC/NICS/User departments against all third party claims of infringement of patent, trademark/copyright or industrial design rights arising from the use of the supplied items and related services or any part thereof. NIC/NICS/User department stand indemnified from any claims that the vendor's manpower may opt to have towards the discharge of their duties in the fulfillment of the purchase orders. NIC/NICS/User department also stand indemnified from any compensation arising out of

accidental loss of life or injury sustained by the vendor's manpower while discharging their duty towards fulfillment of the purchase orders.

#### 5.16 FORCE MAJEURE

If at any time, during the continuance of the empanelment, the performance in whole or in part by either party of any obligation under the empanelment 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 the empanelment, 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 empanelment 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 the empanelment is prevented or delayed by reason of any such event for a period exceeding 60 days, the purchaser may at his option, terminate the empanelment.

#### 5.17. TERMINATION FOR DEFAULT

##### 5.17.1 Default is said to have occurred

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

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

NICS may procure, upon such terms and in such manner, as it deems appropriate, goods similar to the undelivered items/products and the defaulting vendor shall be liable to compensate NICS for any extra expenditure involved towards goods and services to complete the scope of work in totality or 8.5% of the total value of purchase order as cancellation charges which ever is higher.

5.17.2. NICS may at any time terminate the purchase order / empanelment by giving one month written notice to the Vendor, without any compensation to the Vendor, if the Vendor becomes bankrupt or otherwise insolvent

#### 5.18. ARBITRATION

5.18.1. In case any dispute or difference arises out of or in connection with or the carrying out of works (whether during the progress of the works or after their completion & whether before or after the termination, abandonments or breach of contract) except as any of the accepted matters, provided hereunder, the parties hereto, shall first endeavor to settle such disputes of differences amicably.

- 5.18.2. If both the parties fail to reach such amicable settlement, then either party (The Purchaser or Contractor) may (within 20 days of such failure) give a written notice to the other party requiring that all matter in dispute or difference be arbitrated upon. Such written notice shall specify the matters which are in difference or differences of which such written notice has been given and no other shall be reoffered to the arbitration of a single arbitrator, to be appointed by both the parties or in case of disagreement as to the appointment of a single arbitrator, to that of two arbitrators, one to be appointed by each party or incase of said arbitrators not agreeing then, to the umpire to be appointed by the arbitrators in writing before entering upon the references. Provisions of Indian Arbitration & Conciliations Act, 1996 or any statutory modification or re-enactment thereof and rules framed there under from time to time shall apply to such arbitration.
- 5.18.3. Venue of arbitration shall be New Delhi.
- 5.18.4. The arbitrators or arbitrators appointed under this Article shall have the power to extend the time to make the award with the consent of parties.
- 5.18.5. Pending reference to arbitration, the parties shall make all endeavors to complete the work in all respect. Disputes, if any, will finally be settled in the arbitration.
- 5.18.6. Upon every or any such references to the arbitration, as provided herein the cost of and incidental to the reference and Award respectively shall at the discretion of the arbitrator, or the umpire, as case may be.
- 5.18.7. The award of arbitrator or arbitrators, as the case may be, Shall be final and binding on the parties. It is agreed that the Contractor shall not delay the carrying out of the works by reason of any such matter, question or dispute being referred to arbitration, but shall proceed with the works with all due diligence. The Purchaser and the Contractor hereby also agree that arbitration under this clause shall be the condition precedent to any right of action under the contract except for as provided for in the Tender.
- 5.19. APPLICABLE LAW
- 5.19.1. The vendor 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.
- 5.19.2. All disputes in this connection shall be settled in Delhi jurisdiction only.
- 5.19.3. NICS reserves the right to cancel this tender or modify the requirement without assigning any reasons. NICS will not be under obligation to give clarifications for doing the aforementioned.
- 5.19.4. NICS reserves the right that the work can be allocated to any of the empanelled vendors.
- 5.19.5. NICS also reserves the right to modify/relax any of the terms & conditions of the tender.
- 5.19.6. NICS, without assigning any further reason can reject any tender(s), in which any prescribed condition(s) is/are found incomplete in any respect.
- 5.19.7. NICS also reserves the right to award works/supply order on quality/technical basis, which depends on quality/capability of the system and infrastructure of the firm. Bidder(s) are, therefore, directed to submit the tender carefully along with complete technical features of the products/systems as well as other documents required to access the capability of the firm.

5.19.8. All procedure for the purchase of stores laid down in GFR and DFPR shall be adhered-to strictly by the NICS and subordinates and Bidders are bound to respect the same.

#### 5.20. MISCELLANEOUS

- 5.20.1. The empanelment under this tender is not assignable by the selected vendor. The selected vendor shall not assign its contractual authority to any other third party. As a matter of policy and practice and on the basis of Notification published in Gazette of India dated 14th March, 1998, it is clarified that services and supplies of the vendor selected through this tender can be availed by both National Informatics Center [NIC] and National Informatics Center Services Incorporated [NICS], as the case may be depending on the project, and the selected vendor shall be obliged to render services / supplies to both or any of these organizations as per the indent placed by the respective organization. In other words, the selection procedure adopted in this tender remains applicable for NIC as well, and in the event of rendering services / supplies to NIC, the selected vendor shall discharge all its obligations under this tender vis-à-vis NIC. Any default or breach in discharging obligations under this tender by the selected vendor while rendering services / supplies to NIC, shall invite all or any actions / sanctions, as the case may be, including forfeiture of EMD, security deposit, invocation of performance guarantee stipulated in this tender document
- 5.20.2. The decision of NICS/NIC arrived at as above will be final and no representation of any kind will be entertained on the above. Any attempt by any Bidder to bring pressure of any kind, may disqualify the Bidder for the present tender and the Bidder may also be liable to be debarred from bidding for NICS/NIC tenders in future for a period of at least three years.
- 5.20.3. Any conditions mentioned in their tender bids by the bidders which are not in conformity to the conditions set forth in the tender will not be accepted by NICS/NIC. All the terms and conditions for the supply, testing and acceptance, payment terms penalty etc. will be as those mentioned herein and no change in the terms and conditions set by the bidders will be acceptable. Alterations, if any, in the tender bid should be attested properly by the bidders, failing which the bid will be rejected.
- 5.20.4. One batch of NIC/NICS/User staff is to be trained in installation, maintenance and servicing, at least for a period of one week, free of cost.
- 5.20.5. NICS/NIC may use this tender for executing any projects anywhere in India during the validity of this tender.
- 5.20.6. All terms and conditions governing prices and supply given above, as applicable to NICS, will be made equally applicable to NIC.
- 5.20.7. NICS reserves the right to modify and amend any of the above-stipulated condition/criterion depending upon Project priorities vis-à-vis urgent commitments. NICS also reserves the right to accept /reject any bid, to cancel / abort tender process and / or reject all bids at any time prior to award of empanelment, without thereby incurring any liability to the affected agencies on the grounds of such action taken by the NICS.
- 5.20.8. Any default by the bidders in respect of tender terms & conditions will lead to rejection of the bid & forfeiture of EMD/Security Deposit.

## 6. SCOPE OF SERVICES REQUIRED

6.1. All services listed below are to be provided by the empanelled agency.

Following are the LAN System Integration Services to be provided by the empanelled agency.

1. LAN Survey and Document preparation.
2. Supply of LAN Passive items/equipments, laying of cables and installation.
3. Installation & configuration of LAN active equipments to be supplied by NICS.

### 6.2. LAN Survey and Document preparation

Agencies empanelled 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

- a. Setting up of new LANs
- b. Extension of existing LAN
- c. Re-engineering of existing LANs.

Purpose of this exercise is to understand user's network requirements, take stock of all existing network components & network infrastructure and to gather any other information required for providing required services at each site.

- NICS will do the necessary coordination required to carry out this activity. Empanelled agency will designate Project engineer for the site to coordinate with User. Empanelled agency will gather required data as per formats finalized in consultation with NICS. Agency will prepare a detailed Project report for the site which should address LAN design, Engineering, Structured cabling installation, Commissioning, testing & certification & documentation for easy maintenance. The aspects to be covered in detailed project report are as below
- LAN design - address total LAN node requirement (e.g. would 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 6A / CAT6 technologies for backbone & edge, use of WLAN in open areas, easy integration with WAN
- 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 .

**6.3. Supply of LAN Passive items/equipments, laying of cables and installation .**

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.

All the installation work is to be carried out as per the relevant IEEE standards (ISO/IEC 11801:2002, EIA/TIA 568B.2-10, EIA/TIA 568B.2-1).The empanelled agency will follow the Project report for the cabling routing plan, labeling of the cabling infrastructure and the documentation of the cabling infrastructure for maintenance.

The empanelled agency may get all the site installations certified for 20 year performance warranty from the OEM (if ordered).

**6.4. Installation & configuration of LAN active equipments to be supplied by NICS**

The empanelled agency will install & configure all the active devices like Layer 2 switches & Low end router for making the LAN operational at the site.

All the active devices/ hardware will be supplied by NICS & will be as per the detailed Project report, submitted by the agency, for the given site earlier.



- f) Service centres: The following information for service centres at least major cities, as per eligibility clause 4.2 may be given. For authorized distributor / OEM centers the vendor shall produce a copy of the valid agreement/undertaking from authorized distributor/OEM. NICS would verify the information furnished here and if found incorrect the bid is liable to be rejected.

S.No.	Location	Name of Center Full Postal Address with Telephone Nos.	Year of Setup	Own centre Or Franchisee	Whether spares are stocked (Y/N)
1					
2					
3					
4					
-					
-					
-					
-					

- g) Please use additional sheets of paper wherever necessary.
- h) The technical bid must be submitted as a PDF document with each page numbered and carrying an index of page numbers for the above information.

Date:  
Place:

Signature

Name:

SEAL

Annexure-B

Compliance sheet

Name of the Bidder:

Sl No.	Tender No		Page no. Of the Tender Bid
1	OEM or authorized distributor of quoted item	Yes/No	
2	Bidders/OEM valid Certificate of ISO 9000:2001	Yes/No	
3	Copies of Balance sheet 2007-08, 2008-09 showing turnover from LAN	Yes/No	
4	List of Service Centres/authorized service centres	Yes/No	
5	Copies of S.Tax/VAT Service Tax PAN	Yes/No	
6	Articles of Association etc.	Yes/No	
7	Not Black listed (Self Certificate)	Yes/No	
8	EMD details, Tender Fee		
9	Certificate of support for 5 years	Yes/No	

Date:  
Place:

Signature

Name:

SEAL

Annexure - C

STATEMENT OF DEVIATIONS FROM TECHNICAL SPECIFICATIONS

LINE ITEM	DESCRIPTION OF ITEM SPECIFICATION WHERE DEVIATING	DEVIATION IN THE OFFER	BRIEF REASON FOR THE DEVIATION

Note: Deviations on the lower side of technical specs will not be accepted.

Signature of the Bidder  
Name  
Date  
Place  
Company Seal

Annexure-D

Installation Certificate

1	Vendor Name	
2	Project No.	
3	Purchase order No. & date	
4	Invoice No. with date	
5	Equipment Name & Description	
6	Equipment serial nos.	
7	Date of delivery	
8	Date of intimation of call for installation / site readiness information (in case of SNR)	
9	Installation Date	
10	Certificate	Equipment (as per ordered configuration) has been installed successfully

Name of user / NIC Project Coordinator / NICS Project in charge:

\_\_\_\_\_

Designation : \_\_\_\_\_

Signature: \_\_\_\_\_  
(with official seal)

Date: \_\_\_\_\_

Annexure-E

Site Not Ready Certificate

1	Vendor Name	
2	Project No.	
3	Purchase order No. & date	
4	Equipment Name	
5	Date of delivery	
6	Date of Ist Visit for installation	
7	Site not ready reason	
8	Tentative date of site being ready for installation	
9	Contact detail of vendor for getting equipment installed, if site get ready.	
10	Certificate	There is no delay on the part of vendor in getting the equipment installed

Name of user / NIC Project Coordinator / NICSI Project in charge:

\_\_\_\_\_

Designation : \_\_\_\_\_

Signature: \_\_\_\_\_  
(with official seal)

Date: \_\_\_\_\_

## TECHNICAL SPECIFICATIONS

Annexure -1.0

S No.	Item	Specifications	Make	Model / Part no.
<b>UTP COMPONENTS (CAT6)</b>		<b>All specifications for components &amp; cabling to be certified up to 250 MHz</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 listed & Verified, Should be certified by independent test lab (ETL etc) for Zero bit Error Rate Gigabit Ethernet Performance, 23 AWG solid bare copper, ROHS compliant		
1.2	UTP Cable (shielded)	Same as 1.1		
1.3	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 listed & Verified, Ports should be individually replaceable, ROHS compliant		
1.4	48 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 listed & Verified, ROHS Compliant		
1.5	Wire Manager/ Patch Chord Minder panel	19 " rack mountable, Metallic high strength with metal jumper rings for routing cable assemblies, mounts to the front of 19" rack & 1 U height		
1.6	Information outlets (Single SMB)	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 listed & Verified, ROHS complaint		
1.7	Information outlets (Dual SMB)	Surface mount box with Dual 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 listed & Verified, ROHS complaint		

1.8	Information outlets (Quad SMB)	Surface mount box with Quad 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 listed & Verified, ROHS complaint		
1.9	Patch Cord	Should confirm or exceed the EIA/TIA 568 B standards for CAT 6, Factory molded transparent boots on RJ 45 plugs at both ends, Option for colour – Grey, Blue, Red & Green & cross over cable, ROHS complaint A. Length – 1 meter B. Length – 3 meter C. Length – 5 meter D. Length – 7 meter E. Length – 10 meter		
1.10	RJ45 connector			

S No.	Item	Specifications	Make	Model / Part no.
<b>UTP COMPONENTS (CAT6A)</b>		<b>All specifications for components &amp; cabling to be certified up to 500 MHz, UL/ETL listed &amp; verified, should be registered for follow up program, UL/ETL marking should exist on the passive items</b>		
2.1	UTP cable	4 pair, should confirm or exceed the ANSI/EIA/TIA 568 B.2-1 (CAT 6A) shielded cable, standards for physical & electrical specifications, UL listed & Verified, Should be certified by independent test lab (ETL etc), 23 AWG Solid bare copper, ROHS Compliant		
2.2	UTP Cable (shielded)	Same as 1.1		
2.3	24 port Patch Panel (Unloaded)	110 wiring block at rear end & RJ 45 jack on front panel, 19" rack mountable, should confirm or exceed the EIA/TIA 568 B.2-10 (CAT 6A), 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. (Should accept shielded)		
2.4	48 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 listed & Verified, ROHS Compliant		
2.5	Wire Manager/ Patch Chord Minder panel	19" rack mountable, Metallic high strength with metal jumper rings for routing cable assemblies, mounts to the front of 19" rack & 1 U height		
2.6	Information outlets (Single SMB)	Surface mount box with single RJ 45 socket, should confirm or exceed the EIA/TIA 568 B standards for CAT 6A, provision for dust cover, shielded, labeling icons & strips, anchors for strain relief cable entry, UL listed & Verified, ROHS Compliant		
2.7	Information outlets (Dual SMB)	Surface mount box with Dual RJ 45 socket, should confirm or exceed the EIA/TIA 568 B standards for CAT 6A, Shielded, provision for dust cover, labeling icons & strips, anchors for strain relief cable entry, UL listed & Verified		
2.8	Information outlets (Quad SMB)	Surface mount box with Quad RJ 45 socket, should confirm or exceed the EIA/TIA 568 B standards for CAT 6A, Shielded, provision for		

		dust cover, labeling icons & strips, anchors for stain relief cable entry, UL listed & Verified		
2.9	Patch Cord	Should confirm or exceed the ANSI/EIA/TIA 568 B standards for CAT 6A, Factory molded boots on RJ 45 plugs at both ends, Shielded Twisted Pair, UL listed & verified, Option for colour – Grey, Blue, Red & Green & cross over cable, ROHS complaint A. Length – 1 meter B. Length – 3 meter C. Length – 5 meter D. Length – 7 meter E. Length – 10 meter		
2.10	RJ45 connector			

ANNEXURE 3.0

S No.	Item	Specifications	Make	Model / Part no.
<b>FIBRE COMPONENTS</b>				
3.1	Fiber Optic indoor Distribution cable Multi mode (MM)	Multimode optical fiber cable, 50/125 micron graded index, required for indoor applications, should confirm or exceed the EIA/TIA 455, EIA/TIA 568, ISO 11801 & ICEA -640 standards for Fiber and cable performance specifications with LSZH sheathing. Required in following configuration  6 fibers 12 fibers		
3.2	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-B.3, ISO 11801 & ICEA -640 standards for Fiber and cable performance specifications. Required in following configuration  6 fibers 12 fibers 24 fibers		
3.3	Fiber Optic outdoor armoured cable (OM 3) Multi mode (MM), 850nm laser optimized 50/125 micron, support 10G Ethernet upto 300 m	Multimode optical fiber cable, 850nm laser optimized 50/125 micron graded index, support IEEE 802.3ae 10 gigabit Ethernet standard to full 300m distance, support 10 Gb/s laser based application as well as LED based application, 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-B.3, ISO 11801 & ICEA -640 standards for Fiber and cable performance specifications, Required in following configuration  6 fibers 12 fibers 24 fibers		
3.4	Fiber Optic indoor cable (OM 3) Multi mode (MM)	Multimode optical fiber cable, 850nm laser optimized 50/125 micron graded index, support IEEE 802.3ae 10 gigabit Ethernet standard to full 300m distance, support 10 Gb/s laser based application as well as LED		

		<p>based application, anti rodent, required for outdoor applications for direct burial, fiber should be protected inside jelly filled loose tube, armoring with acrylic coated good quality steel, should confirm or exceed the EIA/TIA 455, EIA/TIA 568-B.3, ISO 11801 &amp; ICEA -640 standards for Fiber and cable performance specifications with LSZH sheathing, required in following configuration</p> <p>6 fibers 12 fibers</p>		
3.5	Fiber Optic outdoor armoured cable OM3 Single mode (SM)	<p>Single mode optical fiber cable, 9.2/125 micron graded index, anti rodent, required for outdoor applications for direct burial, fiber should be protected inside jelly filled loose tube, armoring with acrylic coated good quality steel, should confirm or exceed the EIA/TIA 455, EIA/TIA 568, ISO 11801 &amp; ICEA -640 standards for Fiber and cable performance specifications., Required in following configuration</p> <p>6 fibers 12 fibers 24 fibers</p>		
3.6	Fiber Optic indoor Distribution cable Single mode (SM) OM3	<p>OM3 9.2/125 single mode fiber optic cables that are compliant to ISO/IEC 11801 with LSZH sheathing</p> <p>6 fibers 12 fibers</p>		
3.7	Fiber Optic indoor Distribution cable Single mode (SM)	<p>9.2/125 single mode fiber optic cables that are compliant to ISO/IEC 11801 with LSZH sheathing</p> <p>6 fibers 12 fibers</p>		
3.8	Fiber Optic outdoor armoured cable Single mode (SM)	<p>OM2 50/125 single mode fiber optic cables that are compliant to ISO/IEC 11801</p> <p>6 fibers 12 fibers 24 fibers</p>		
3.9	Optical Fiber connectors - SC	<p>SC type, Epoxyless, Field mountable with required accessories &amp; consumables, required for terminating</p> <p>a) 50/125 micron MM fiber b) 9.2/125 micron SM fiber</p>		

3.10	Optical Fiber connectors - LC	LC type, Epoxyless, Field mountable with required accessories & consumables, required for terminating a) 50/125 micron MM fiber b) 9.2/125 micron SM fiber		
3.11	Optical Fiber Patch Cord, SM, LC to FC	Duplex, 9.2/125 micron SM fiber, LC connector at one end and FC connector on other end, with factory mount ceramic connector at both end with length of a) 3 meter b) 10 meter c) 20 meter		
3.12	Optical Fiber Patch Cord, SM, SC to FC	Duplex, 9.2/125 micron SM fiber, SC connector at one end and FC connector on other end, with factory mount ceramic connector at both end with length of a) 3 meter b) 10 meter c) 20 meter		
3.13	Optical Fiber Patch Cord, MM, LC to FC	Duplex, 50/125 micron MM fiber, LC connector at one end and FC connector on other end, with factory mount ceramic connector at both end with length of a) 3 meter b) 10 meter c) 20 meter		
3.14	Optical Fiber Patch Cord, MM, SC to FC	Duplex, 50/125 micron MM fiber, SC connector at one end and FC connector on other end, with factory mount ceramic connector at both end with length of a) 3 meter b) 10 meter c) 20 meter		
3.15	Optical Fiber Patch Cord, MM, SC to SC	Duplex, 50/125 micron MM fiber, SC connector at both end, LSZH Sheathing with factory mount ceramic connector at both end with length of a) 3 meter b) 10 meter c) 20 meter		
3.16	Optical Fiber Patch Cord, MM, LC to LC	Duplex, 50/125 micron MM fiber, LC connector at both end, LSZH Sheathing with factory mount connector at both end with length of a) 3 meter b) 10 meter c) 20 meter		
3.17	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, with factory mount ceramic connector at both end with length of a) 3 meter b) 10 meter c) 20 meter		

3.18	Optical Fiber Patch Cord, MM, LC to MTRJ	Duplex, 50/125 micron MM fiber, LC connector at one end and MTRJ connector on other end, with factory mount ceramic connector at both end with length of a) 3 meter b) 10 meter c) 20 meter		
3.19	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, with factory mount connector at both end with length of a) 3 meter b) 10 meter c) 20 meter		
3.20	Optical Fiber Patch Cord, SM, SC to SC	Duplex, 9.2/125 micron SM fiber, SC connector at both end,with factory mount ceramic connector at both end with length of a) 3 meter b) 10 meter c) 20 meter		
3.21	Optical Fiber Patch Cord, SM, LC to LC	Duplex, 9.2/125 micron SM fiber, LC connector at both end,with factory mount ceramic connector at both end with length of a) 3 meter b) 10 meter c) 20 meter		
3.22	Optical Fiber Patch Cord, SM, SC to MTRJ	Duplex, 9.2/125 micron SM fiber, SC connector at one end and MTRJ connector on other end, with factory mount ceramic connector at both end with length of a) 3 meter b) 10 meter c) 20 meter		
3.23	Optical Fiber Patch Cord, SM, LC to MTRJ	Duplex, 9.2/125 micron SM fiber, LC connector at one end and MTRJ connector on other end, with factory mount ceramic connector at both end with length of a) 3 meter b) 10 meter c) 20 meter		
3.24	Optical Fiber Patch Cord, SM, SC to LC	Duplex, 9.2/125 micron SM fiber, SC connector at one end and LC connector on other end, with factory mount connector at both end with length of a) 3 meter b) 10 meter c) 20 meter		
3.25	Pigtails SC Type 1 Meter	Pigtails SC type, compatible with fusion or mechanical splices, Field mountable with required accessories & consumables, U/ETL L Listed & verified required for terminating 50/125 micron MM fiber 9.2/125 micron SM fiber		

3.26	Pigtails LC Type Length 1 Meter	Loaded with SC ceramic couplers for 24 fibers 50/125 micron MM or 24 fibers 9.2/125 micron SM, 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		
3.27	LIU, 24 fiber, Wall mount enclosure, lockable	Loaded with LC ceramic couplers for 24 fibers 50/125 micron MM or 24 fibers 9.2/125 micron SM, 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		
3.28	LIU, 12 fiber, Wall mount enclosure, lockable	Loaded with SC ceramic couplers for 12 fibers 50/125 micron MM or 12 fibers 9.2/125 micron SM, 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		
3.29	LIU, 12 fiber, Wall mount enclosure, lockable	Loaded with LC ceramic couplers for 12 fibers 50/125 micron MM or 12 fibers 9.2/125 micron SM, 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		
3.30	LIU, 12 fiber, 1 U/2U drawer style 19" Rack mount enclosure	Loaded with SC ceramic couplers & adaptor plates for 12 fibers 50/125 micron MM or 12 fibers 9.2/125 micron SM, 19" rack mountable metallic distribution enclosure slide & tilt drawer type 1U/2U, should have inbuilt / pre-installed splice tray with all clamps, harnessing rings, ties etc, compatible cable management rings/ bars should be provided		
3.31	LIU, 12 fiber, 1U/2U drawer style 19" Rack mount enclosure	Loaded with LC ceramic couplers & adaptor plates for 12 fibers 50/125 micron MM or 12 fibers 9.2/125 micron SM, 19" rack mountable metallic distribution enclosure slide & tilt drawer type 1U/2U, should have inbuilt / pre-installed splice tray with all clamps, harnessing rings, ties etc, compatible cable management rings/ bars should be provided		
3.32	LIU, 24 fiber, 1U/2U, 19" Rack mount enclosure	Loaded with SC ceramic couplers & adaptor plates for 24 fibers 50/125 micron MM or 24 fibers 9.2/125 micron SM, 19" rack mountable metallic distribution enclosure		

		1U/2U height with removable back cover, should have inbuilt / pre-installed splice tray with all clamps, harnessing rings, ties etc, Front & rear compatible cable management rings/ bars should be provided		
3.33	LIU, 24 fiber, 1U/2 U, 19" Rack mount enclosure	Loaded with LC ceramic couplers & adaptor plates for 24 fibers 50/125 micron MM or 24 fibers 9.2/125 micron SM, 19" rack mountable metallic distribution enclosure 1U/2U height with removable back cover, should have inbuilt / pre-installed splice tray with all clamps, harnessing rings, ties etc, Front & rear compatible cable management rings/ bars should be provided		

ANNEXURE 4.0

S No.	Item	Specifications	Make	Model/Part No.
<b>19" Equipment mounting Racks</b>				
4.1	19 " Rack, Wall mount 530 mm depth, 6 U height, Front glass/vented door(lockable)	Should confirm DIN 41494 & IEC 297 standard, Load bearing capacity of 20 Kgs, having following accessories 19 " AC power distribution channel with 5 & 15 Amp power sockets & spike suppressor, with wall mounting hardware		
4.2	19 " Rack, Wall mount 530 mm depth, 9 U height, Front glass / vented door (lockable)	Should confirm DIN 41494 & IEC 297 standard, Load bearing capacity of 50 Kgs, having following accessories 19 " AC power distribution channel with 5 & 15 Amp power sockets & spike suppressor, with wall mounting hardware		
4.3	19" Rack, Floor Standing, 530 mm depth, 12 U height, Front glass door /vented ( lockable)	Should confirm DIN 41494 & IEC 297 standard, Load bearing capacity of 50 Kgs, having following accessories 19 " AC power distribution channel with 5 & 15 Amp power sockets & spike suppressor, equipment mounting screws/hardware packets (2 nos), Fan tray with four fans & castors with brake		
4.4	19 " Rack, Floor standing 800 mm depth 24 U height, Front & back door ( lockable), Front glass / vented door	Should confirm DIN 41494 & IEC 297 standard, Load bearing capacity of 500 Kgs, Quick release locking sides, front & rear door, having following accessories 19 " AC power distribution channel with 15 & 5Amp power sockets & spike suppressor, with 10 nos. SOCKETS WITH INDIVIDUAL ON/OFF SWITCH, Support angles 2 pairs,475 mm depth Equipment shelves 475 mm depth – Castors wheel with brakes Fan tray with four fans Earthing Kit		
4.5	19 " Rack, Floor standing 800 mm depth 32 U height, Front & back door ( lockable), Front glass / vented door	Should confirm DIN 41494 & IEC 297 standard, Load bearing capacity of 500 Kgs, Quick release locking sides, front & rear door, having following accessories 19 " AC power distribution channel with 15 & 5Amp power sockets & spike suppressor Two nos of 10 SOCKET with INDIVIDUAL ON/OFF SWITCH with individual I/P supply, Support angles 2 pairs,475 mm depth Equipment shelves 475 mm depth – 2 nos Castors wheels with brakes		

		Fan tray with four fans Earthing Kit		
4.6	19 “ Rack, Floor standing 1000 mm depth 42 U height, Front & back door (vented & lockable), Option for Front glass door	Should confirm DIN 41494 & IEC 297 standard, Load bearing capacity of 500 Kgs, Quick release locking sides, front & rear door with venting, having following accessories 19 “ AC power distribution channel with 15 & 5Amp power sockets & spike suppressor, with Two nos of 10 SOCKET with INDIVIDUAL ON/OFF SWITCH with individual I/P supply Support angles 2 pairs, 475 mm depth Equipment shelves 475 mm depth – Caster wheels with brakes Fan tray with four fans Earthing Kit		

Attach documentary proof in support of compliance of the offered products.

ANNEXURE 5.0

S No.	Item	Specifications	Make	Model
	<b>Unmanaged Switch/ Wireless Access Point</b>			
5.1	8 Port 10/100 Mbps Switch	1 K MAC Address 8 10/100 Mbps Ports Full Duplex, Auto MDI/MDI-X, IEEE 802.3, IEEE 802.3u, IEEE 802.3x		
5.2	16 Port 10/100 Mbps 19" Rack mountable Switch	2 K MAC Address 16 10/100 Mbps Ports Full Duplex, Auto MDI/MDI-X, IEEE 802.3, IEEE 802.3u, IEEE 802.3x		
5.3	24 Port 10/100 Mbps 19" Rack mountable Switch	8 K MAC Address 24 10/100 Mbps Ports Full Duplex, Auto MDI/MDI-X, IEEE 802.3, IEEE 802.3u, IEEE 802.3x		
5.4	24 Port 10/100/1000 Mbps (Gigabit) 19" Rack mountable Switch	8 K MAC Address 24 10/100/1000 Mbps Ports Full Duplex, Auto MDI/MDI-X, IEEE 802.3, IEEE 802.3u, IEEE 802.3x		
5.5	Wireless Access Point	54 Mbps data rate, IEEE 802.11g		
5.6	Transciever fiber To UTP (Media Convertor)	Support CAT5/CAT6 and above,1000BASE-X compatible serializer / deserializer(SerDes), thermally enhanced, supporting dual media applications, 802.3 compliant, Auto-media Sense detects and configures to support fiber or copper media on a per port basis		

Attach documentary proof in support of compliance of the offered products.

ANNEXURE 6.0

## Network Engineer

Minimum qualification: 3yrs Diploma / B.Sc or equivalent with good knowledge of LAN for 8x6x1month.

Financial Bid

ANNEXURE 7.0

Name of the Agency:

CAT 6

S No.	Item	Qty.	Basic Price	Sales Tax/ VAT	Total all inclusive (4+5)
(1)	(2)	(3)	(4)	(5)	(6)
<b>UTP COMPONENTS, CAT6</b>					
1.1	UTP cable	Bundle (305 M)			
1.2	UTP cable (Shielded)	Bundle (305 M))			
1.3	24 port Patch Panel	1 NOS			
1.4	48 port Patch Panel	1 NOS			
1.5	Wire Manager /Patch Chord Minder panel	1 NOS			
1.6	Information outlets(Single SMB)	1 NOS			
1.7	Information outlets (Dual SMB)	1 NOS			
1.8	Information outlets (Quad SMB)	1 NOS			
1.9 A	Patch Cord Length – 1 meter	1 NOS			
B	Patch Cord Length – 3 meter	1NOS			
C	Patch Cord Length – 5 meter	1NOS			
D	Patch Cord Length – 7 meter	1NOS			
E	Patch Cord Length – 9 meter	1NOS			
1.10	RJ 45 Connector	1 NOS			
<b>UTP COMPONENTS, CAT6A</b>					
2.1	UTP cable	Bundle (305 M)			
2.2	UTP cable (Shielded)	Bundle (305 M))			
2.3	24 port Patch Panel (Unloaded)	1 NOS			
2.4	48 port Patch Panel	1 NOS			
2.5	Wire Manager /Patch Chord Minder panel	1 NOS			
2.6	Information outlets(Single SMB)	1 NOS			
2.7	Information outlets (Dual SMB)	1 NOS			

2.8	Information outlets (Quad SMB)	1 NOS			
2.9 A	Patch Cord Length – 1 meter	1 NOS			
B	Patch Cord Length – 3 meter				
C	Patch Cord Length – 5 meter	1 NOS			
D	Patch Cord Length – 7 meter	1 NOS			
E	Patch Cord Length – 9 meter	1 NOS			
2.10	RJ 45 Connector	1 NOS			
<b>FIBER COMPONENTS</b>					
3.1	Fiber Optic indoor Distribution cable Multi mode (MM)				
A	6 Core	P Meter			
B	12 Core	P Meter			
3.2	Fiber Optic outdoor armoured cable Multi mode (MM)				
A	6 Core	P Meter			
B	12 Core	P Meter			
C	24 Core	P Meter			
3.3	Fiber Optic outdoor armoured cable (OM 3) Multi mode (MM),850nm laser optimized 50/125 micron, support 10 G Ethernet upto 300 m				
A	6 Core	P Meter			
B	12 Core	P Meter			
C	24 Core	P Meter			
3.4	Fiber Optic indoor cable Multimode (MM)				
A	6 Core	P Meter			
B	12 Core	P Meter			
3.5	Fiber Optic outdoor armoured cable OM3 Single mode (SM)				
A	6 Core	P Meter			
B	12 Core	P Meter			
C	24 Core	P Meter			

3.6	Fiber Optic indoor Distribution cable Single mode (SM) OM3				
A	6 Core	P Meter			
B	12 Core	P Meter			
3.7	Fiber Optic indoor Distribution cable Single mode (SM)				
A	6 Core	P Meter			
B	12 Core	P Meter			
3.8	Fiber Optic outdoor armoured cable Single mode (SM)				
A	6 Core	P Meter			
B	12 Core	P Meter			
C	24 Core	P Meter			
3.9	Optical Fiber connectors - SC	1 NOS			
3.10	Optical Fiber connectors - LC	1 NOS			
3.11	Optical Fiber Patch Cord, SM, LC to FC				
A	3 meter	1 NOS			
B	10 meter	1 NOS			
C	20 meter	1 NOS			
3.12	Optical Fiber Patch Cord, SM, SC to FC				
A	3 meter	1 NOS			
B	10 meter	1 NOS			
C	20 meter	1 NOS			
3.13	Optical Fiber Patch Cord, MM, LC to FC				
A	3 meter	1 NOS			
B	10 meter	1 NOS			
C	20 meter	1 NOS			
3.14	Optical Fiber Patch Cord, MM, SC to FC				
A	3 meter	1 NOS			
B	10 meter	1 NOS			
C	20 meter	1 NOS			
3.15	Optical Fiber Patch Cord, MM, SC to SC				
A	3 meter	1 NOS			
B	10 meter	1 NOS			
C	20 meter	1 NOS			
3.16	Optical Fiber Patch Cord,				

	MM, LC to LC			
A	3 meter	1 NOS		
B	10 meter	1 NOS		
C	20 meter	1 NOS		
3.17	Optical Fiber Patch Cord, MM, SC to MTRJ			
A	3 meter	1 NOS		
B	10 meter	1 NOS		
C	20 meter	1 NOS		
3.18	Optical Fiber Patch Cord, MM, LC to MTRJ			
A	3 meter	1 NOS		
B	10 meter	1 NOS		
C	20 meter	1 NOS		
3.19	Optical Fiber Patch Cord, MM, SC to LC			
A	3 meter	1 NOS		
B	10 meter	1 NOS		
C	20 meter	1 NOS		
3.20	Optical Fiber Patch Cord, SM, SC to SC			
A	3 meter	1 NOS		
B	10 meter	1 NOS		
C	20 meter	1 NOS		
3.21	Optical Fiber Patch Cord, SM, LC to LC			
A	3 meter	1 NOS		
B	10 meter	1 NOS		
C	20 meter	1 NOS		
3.22	Optical Fiber Patch Cord, SM, SC to MTRJ			
A	3 meter	1 NOS		
B	10 meter	1 NOS		
C	20 meter	1 NOS		
3.23	Optical Fiber Patch Cord, SM, LC to MTRJ			
A	3 meter	1 NOS		
B	10 meter	1 NOS		
C	20 meter	1 NOS		
3.24	Optical Fiber Patch Cord, SM, SC to LC			
A	3 meter	1 NOS		
B	10 meter	1 NOS		
C	20 meter	1 NOS		
3.25	Pigtails SC Type	1 meter		
3.26	Pigtails LC Type	1 meter		
3.27	LIU, 24 fiber, Wall mount enclosure, lockable, Preloaded with SC	1 NOS		
3.28	LIU, 12 fiber, Wall mount enclosure, lockable	1 NOS		
3.29	LIU, 12 fiber, Wall mount enclosure, lockable	1 NOS		

3.30	LIU, 12 fiber, 1 U/2U drawer style 19" Rack mount enclosure	1 NOS			
3.31	LIU, 12 fiber, 1 U/2U drawer style 19" Rack mount enclosure	1 NOS			
3.32	LIU, 24 fiber, 1U/2U,19" Rack mount enclosure	1 NOS			
3.33	LIU, 24 fiber, 1U/2U,19" Rack mount enclosure	1 NOS			
<b>Total X- 7</b>					

ANNEXURE-8

Financial Bid

Name of the Agency:

S No.	Item	Unit	Basic Price	Sales Tax/ VAT/ Service Tax %	Total all inclusive (4+5)
(1)	(2)	(3)	(4)	(5)	(6)
A1.	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	Per meter			
A2	Removing of Cable / duct ( as per actual removed cable/duct)	Per meter			
B1.	Supply of duct	Per meter			
I	15 X 15 mm				
Ii	30 x 25 mm				
Iii	45 X 25 mm				
B2.	Fixing of duct	Per meter			
i	15 X 15 mm				
ii	30 x 25 mm				
iii	45 X 25 mm				
B3	Supply of PVC conduit of OD size	Per meter			
i	20mm				
ii	32mm				
iii	40mm				
B4	fixing of PVC conduit of OD size	Per meter			
i	20mm				
ii	32mm				
iii	40mm				
C1.	Supply of Aluminum Channel	Per meter			
i	15 X 15 mm				
ii	30 x 25 mm				
iii	45 X 25 mm				
C2.	fixing of Aluminum Channel	Per meter			
i	15 X 15 mm				
ii	30 x 25 mm				
iii	45 X 25 mm				

	D1.	Supply of Hanging Metal Raceways (Close)	Per meter			
	i	50 H X 100 W				
	ii	50 H X 200 W				
	iii	100 H X 300 W				
	D2.	Fixing of Hanging Metal Raceways (Close)	Per meter			
	i	50 H X 100 W				
	ii	50 H X 200 W				
	iii	100 H X 300 W				
	E	Installation of Jack Panel & Termination of UTP CAT 6 cable on Jack panel (24 port)	Per Unit			
	F	Crimping of RJ 45 connectors	Per Unit			
	G	Installation & Termination of information outlets (including termination of CAT 6 cable on I/O)	Per Node			
	H	Testing of laid cable for the nodes	Per Node			
	I	Site certification for performance warranty of 20 years through OEM, Network Audit	Per Site			
	i.	up to 100 nodes				
	ii.	up to 500 nodes				
	iii.	up to 1000 or above nodes				
2.1		Installation & Termination, Documentation & Site certification for Indoor & Outdoor Fiber Cabling				
	a.	In building laying of fiber in duct/ conduit	Per meter			
	b	Outdoor laying of fiber cable with	Per meter			
	1.	Excavation and resurfacing of the soil (depth 1 mtr)				
	2.	Excavation and resurfacing of the concrete				
	3.	Excavations under road crossing & rail track without effecting the traffic				

	c	Supply and installation/fixing of 1" diameter GI pipe under ground and on surface	Per meter			
	d.	Supply and installation/fixing of 2" diameter GI pipe under ground and on surface	Per meter			
	e.	Supply and installation of 1.5" diameter HDPE PVC jacket for under ground laying	Per meter			
	f	Supply and installation of 2" diameter HDPE PVC jacket for under ground laying	Per meter			
	g	Supply and installation of 4" diameter HUME pipe for under ground laying	Per meter			
	h	SC/LC connector termination on Fiber Optic cable (with support of proper buffer tubing & termination of fibers in Fiber Termination/ Interconnection Unit with SC/LC coupler)	Per connector			
	i	Supply and installation of buffer tubing kit	Per Unit			
	j	Cable pulling pit made of reinforced concrete and brick walls with removable covers,(Cable Vault)	Per Unit			
	k	Fiber optics cable route marker				
	l	Performance testing of laid Fiber Optic cable for continuity, length & db loss as per EIA/TIA-455-60 document for FO test procedures & Documentation of the results	Per Link			
	m	Installation and termination of Fiber termination/Interconnection unit with SC/LC Coupler	Per Unit			
2.2		Installation & configuration of LAN active equipments to be				

		supplied by NICS				
	a	Installation of Managed L2 Switch				
	b	Installation of Router with 2 LAN and 2 WAN.				
	c	Network audit	Per Segment			
<b>Total X- 8</b>						

Financial Bid

Name of the Vendor:

S No.	Item	Unit	Basic Price	Sales Tax/VAT/Service Tax %	Total Price
(1)	(2)	(3)	(4)	(5)	(6)
5.1.a	19 “ Rack, Wall mount 530 mm depth, 6 U height, Front glass / vented door (lockable)	1 NOS			
5.1.b	Installation of 6U Rack	1 NOS			
5.2.a	19 “ Rack, Wall mount 530 mm depth, 9 U height, Front glass/vented door ( lockable)	1 NOS			
5.2.b	Installation of 9U Rack	1 NOS			
5.3.a	19 “ Rack, Floor Standing, 530 mm depth, 12 U height, Front glass/vented door (lockable)	1 NOS			
5.3.b	Installation of 12U Rack	1 NOS			
5.4.a	19 “ Rack, Floor standing 800 mm depth 24 U height, Front & back door (lockable), Front glass/vented door	1 NOS			
5.4.b	Installation of 24U Rack	1 NOS			
5.5.a	19 “ Rack, Floor standing 800 mm depth 32 U height, Front & back door (lockable), Front glass/vented door	1 NOS			
5.5.b	Installation of 32U Rack	1 NOS			
5.6.a	19 “ Rack, Floor standing 1000 mm depth 42 U height, Front & back door (vented & lockable), Front glass/vented door	1 NOS			
5.6.b	Installation of 42U Rack	1 NOS			
<b>Total X- 9</b>					

Date

SEAL

SIGNATURE

ANNEXURE-10

Financial Bid

Name of the Vendor:

S No.	Item	Unit	Basic Price	Sales Tax/VAT/ Service Tax %	Total Price
(1)	(2)	(3)	(4)	(5)	(6)
1.a	8 Port 10/100 Mbps Switch	1 NOS			
1.b	Installation of 8 port switch	1 NOS			
2.a	16 Port 10/100 Mbps Switch	1 NOS			
2.b	Installation of 16 port switch	1 NOS			
3.a	24 Port 10/100 Mbps Switch	1 NOS			
4.a	24 Port 10/100/1000 Mbps (Gigabit) Switch	1 NOS			
3& 4.b	Installation of 24 port switch	1 NOS			
5	Wire Access Point	1 NOS			
6	Transceiver Fiber To UTP	1 NOS			
<b>Total X- 10</b>					

Warranty: one Year Warranty

S No.	Particular	Number	Amount	Service Tax %	Total Amount
(1)	(2)	(3)	(4)	(5)	(6)
1	Network Engineer ( 8 x 6 x 1month)	1			
<b>Total X- 11</b>					

Financial Bid

Name of the Vendor:

S No.	Item	Unit	Basic Price	Service Tax %	Total Price
(1)	(2)	(3)	(4)	(5)	(6)
	LAN Survey and document preparation				
1	For up to 100 network nodes	Per node			
2	For up to 500 network nodes	Per node			
3	For up to 1000 network nodes	Per node			
4	For more than 1000 network nodes	Per node			
<b>Total X- 12</b>					

Date

SEAL  
SIGNATURE

For Annexure-7 to Annexure-12:

- Basic cost should include all duties such as custom, excise, etc ., Freight, Packaging, Insurance, Installation/Commissioning, Warranty & any other charges.
- Octroi/Entry tax will be paid by the vendor and get reimbursement from NICS as per actual and as applicable on production of original receipts.
- For all items make and model or part number MUST be given In Annexure 1 to 6 against each item.
- VAT / Sale tax and Service tax wherever applicable MUST be clearly indicated in percentage (%).

L1 – Calculation Sheet

S.No	Particular	Total Price
1	Total X-7	
2	Total X-8	
3	Total X-9	
4	Total X-10	
5	Total X-11	
6	Total X-12	
Total ( L1value)		

1. The rates quoted in this annexure have to be the same as quoted in annexure 7 to 12.
2. L1 is the vendor quoting least total amount for all the items of all annexures. L1 vendor has however to match the lowest line item rates in annexure 7-12 to those quoted by any of the responsive vendors.
3. Any vendor quoting incredibly low value of items in annexure 7-12 with a view to subverting the tender process shall be rejected straightaway and EMD of such vendors will be forfeited. Decision of FEC will be final in this regard.