

# NATIONAL INSTITUTE OF TECHNOLOGY

## TIRUCHIRAPPALLI – 15

### Computer Support Group

Web : [www.nitt.edu](http://www.nitt.edu)

Phone : 0431 - 2503800



# TENDER DOCUMENT

Tender Notification No.: CSG/TENDER/September2013/2013

Dated: 19/09/2013

- Name of the Work : **Passive Components [Networking]**
- Quantity required : **As per the Tender Document**
- EMD Amount : **Rs. 25,000/-**  
Cost of the Tender Document : **Rs. 500/- [Only downloadable through website]**
- Delivery, Installation & Commissioning : **Within 1 Month from the date of placing of purchase order**
- Last Date of submission of Tender : **14/10/2013 up to 3.30 p.m.**
- Address for submission of Tender : The Director,  
National Institute of Technology- Tiruchirappalli,  
Tiruchirappalli – 620015, Tamilnadu, India  
Kind ATTN to: “**Dr. S.R. Balasundaram,**  
**Head of the Department, CSG”**
- Date of opening of bid : **14/10/2013 at 4.00 p.m**

#### Important Dates & Timings

Meeting / Opening	Date	Time	Venue
<i>Pre-Bid Meeting</i>	01/10/2013	03.30 p.m.	Conference Hall, CSG
<i>Last Date &amp; Time for Receipt of Bid</i>	14/10/2013	03.30 p.m.	Despatch Section, Main Office
<i>Opening of Technical bids</i>	14/10/2013	04.00 p.m.	Conference Hall, CSG



# NATIONAL INSTITUTE OF TECHNOLOGY TIRUCHIRAPPALLI – 15

## Computer Support Group

Tender Notification No.: CSG/TENDER/September2013/2013

Dated: 07/09/2013

### NOTICE INVITING TENDER

The National Institute of Technology, Tiruchirappalli (NITT) is an autonomous body under MHRD, GOI, imparting Technical Education and engaged in Research Activities. It is proposed to procure the following component for the departmental academic/research activities.

Sealed Quotations under **Single cover system** are invited for the Passive Components [Networking] subject to the following terms and conditions, from the reputed manufacturers or their authorized dealers so as to reach this office on or before scheduled date and time. The technical cover and the price bid cover will be opened on the same day in the presence of bidders or their authorized agents who may choose to be present.

- Name of the Work : **Passive Components [Networking]**
- Quantity required : **As per the Tender Document**
- EMD : **Rs.25,000/-**  
Cost of the Tender Document : **Rs.500/- (Only downloadable through website)**
- Time for completion of  
Supply & Installation after  
placing purchase order } : **Within 1 Month from the date of placing of  
purchase order**
- Last Date of submission of Tender : **14/10/2013 at 3.30 p.m.**
- Tender to be submitted at the  
following address : The Director,  
National Institute of Technology- Tiruchirappalli,  
Tiruchirappalli – 620015, Tamilnadu, India  
Kind ATTN to: “**Dr.S.R. Balasundaram,**  
**Head of the Department, CSG”**

### Important Dates & Timings

Meeting / Opening	Date	Time	Venue
<i>Pre-Bid Meeting</i>	01/10/2013	03.30 p.m.	Conference Hall, CSG
<i>Last Date &amp; Time for Receipt of Bid</i>	14/10/2013	03.30 p.m.	Despatch Section, Main Office
<i>Opening of Technical bids</i>	14/10/2013	04.00 p.m.	Conference Hall, CSG

**Note :** The Institute shall not be responsible for any postal delay about non-receipt / non delivery of the bids or due to wrong addressee.

1. This document set contains the following:
  - a) Section -1 Eligibility of the Bidders & Tender Cover System
  - b) Section -2 Terms and conditions of the Tender & Details of the Firm offering this Quote
  - c) Section -3 Scope of Work, Schedule of Requirements [Technical Specifications] and Allied Details
  - d) Section -4 Price Schedule & Price Bid Formats
  - e) Section -5 Contract Form
  - f) Section -6 Bid Security / EMD Bank Guarantee [Specimen]
  - g) NIT-T's check list copy
2. The bidder's copy is for your future records. Please fill in and return only NIT-T's copy.
3. The bidder should give details of their technical soundness and provide list of customers of previous supply of similar items to Universities, Institutes or Government Departments/Undertakings/public sectors with contact details. The details of the agency/profile should be furnished along with the copy of all related documents.
4. Read through the terms and conditions given and affix your signature and seal if you find them acceptable. Any deviations may be recorded. Read carefully list of specifications that we have enclosed.
5. Fill in the questionnaire regarding the Firm.
6. The downloaded documents: Section 2 -Terms and conditions of the Tender & Details of the Firm offering this Quote. Section -3 Scope Of Work, Schedule Of Requirements [Technical Specifications] And Allied Details, Section-4 Price Schedule & Price Bid Formats, Section-5 Contract Form , and Section-6 Bid Security / EMD Bank Guarantee [Specimen] should be **TYPE WRITTEN USING CAPITAL LETTERS ONLY**. At the time of filling the "**All the documents**" make sure that you have not missed anything. Specify the model number & specification for each item. The form should be filled item-wise. Do not leave blank fields. If you are not quoting for a specific item, you should specify "**NOT QUOTING**".
7. **Do not use** ambiguous terms like "**yes**", "**complied**" or "**available**". Specifically mention the matching specification of the product offered by you. Make sure that you have affixed your signature with date and seal on all the documents.
8. Please send the tenders in a sealed envelope super scribed as "**QUOTATIONS AGAINST TENDER NOTIFICATION NO: CSG/TENDER/September2013/2013 Item Name: Passive Components [Networking]**" so as to reach "The Registrar, National Institute of Technology, Tiruchirappalli - 620 015, India" on or before **14/10/2013 at 3.30 p.m. along with a Softcopy of the Technical Compliance form and Quotation Forms in MS-Excel file format in a CD/DVD.**
9. For any further clarifications, contact by E-Mail: [blsundar@nitt.edu](mailto:blsundar@nitt.edu) or by written request to "The Registrar, National Institute of Technology, Tiruchirappalli - 620 015, India"
10. Prebid meeting will be held on **01/10/2013 at 3.30 p.m** in the Conference Hall, Computer Support Group.

**Last Date for receipt of tender at NIT-T : 14/10/2013 at 3.30 p.m.**  
**Opening Date for Tender : 14/10/2013 at 4.00 p.m.**

#### CHECKLIST TO BE FILLED IN BY BIDDER

List of documents to be enclosed	Completed & Signed
1. Duly filled & signed Terms and conditions of the Tender & Details of the Firm offering this Quote, Declaration	YES / NO
2. Duly Filled & signed forms of Schedule of requirements [Technical Specifications] and Allied Details	YES / NO
3. Duly Filled in signed Price Schedule & Price Bid Formats	YES / NO
4. Duly Filled in signed Contract Form	YES / NO
5. Other technical specifications & pamphlets	YES / NO

Please retain this page with you for your future reference.

## Section-1

**BIDDER'S COPY**

### ELIGIBILITY OF THE BIDDERS

1. The firm should have successfully supplied the Passive Components [Networking].

a) **For the supply of Passive Components :**

a.three similar type Passive components supplied at the total cost of each Rs.5 Lakhs or more or

b.two similar type Passive components supplied at the total cost of each Rs.7.5 Lakhs or more

c.one similar type of Passive components supplied at the total cost of Rs.15 Lakhs or more

in a single project (in the following format in bidder's letter head duly signed and sealed)

\*\*.

Sl.No.	Customer Name & Address	Contact person Name, Mobile and Email ID	Date of Implementation & Duration taken for completion	Value of the Executed project
--------	-------------------------	--	---	----------------------------------

b) **For the installation / labour works of Passive Components [Fiber Optic Cable laying, Structured Ethernet cabling and installation work etc...]** :

a.three similar type of Passive components installation work at the total cost of each Rs.5 Lakhs or more or

b.two similar type Passive components installation work at the total cost of each Rs.7.5 Lakhs or more

c.one similar type of Passive components installation work at the total cost of Rs.15 Lakhs or more

in a single project (in the following format in bidder's letter head duly signed and sealed)\*\*.

\*\* The bidder should produce documentary support the above point no.1 & 2.

**Please retain this page with you for your future reference.**

## Section 1. TENDER COVER SYSTEM

**1.0 Bids are to be submitted under THREE COVER system.**

**1.1 Cover 1:**

**Cover 1 should contain the following:**

a. **EMD - Earnest Money Deposit (EMD) of Rs.25,000 is to be remitted by way of Demand Draft drawn on any Nationalized bank in India in favour of "The Director, NIT, Trichy" payable at Trichy should be submitted. EMD shall bear no interest. (or) a bank guarantee for an amount of Rs.25,000/- with a validity of 90 days (or) upto the finalisation of tender. [ The format for the same is attached in Section-6]**

b. **Cost of the tender document of Rs.500.00 is to be remitted by way of Demand Draft drawn on any Nationalized bank in India in favour of "The Director, NIT, Trichy" payable at Trichy should be submitted.**

**Any bid not accompanying with EMD/EMD Bank Gurantee and Tender cost is liable to be treated as non-responsive and rejected.**

**The cover 1 shall be super scribed as 'Earnest Money Deposit and Tender Cost' duly indicating the Tender reference No. and the due date of opening.**

**1.2 Cover 2:**

**Cover 2 should contain the following:**

a. **Technical pamphlets-**

b. **Detailed technical specification**

c. **The agency should furnish copy of license certificate for manufacture/supply of the item\***

d. **The agency should furnish Income Tax PAN number & TIN number.\***

e. **The agency should furnish the last three years balance sheet approved by the CA and the IT clearance certificate.\***

f. **Warranty period offered for the tendered item to be specified. If the warranty period is not conforming with the schedule of requirements given in section 3 of the document, the bid is liable to be treated as non-responsive and rejected.**

g. **Duly filled up technical questionnaire, if any**

h. **Duly filled up deviation schedules to technical specification**

i. **Copy of supply orders completed during the last three years**

j. **If the prices are revealed either in the cover 1 or in the cover 2, the offer will be summarily rejected.**

**The cover 2 shall be super scribed as 'Technical cover' duly indicating the Tender reference No. and the due date of opening.**

**\* Appropriately pertaining to the country of origin.**

**1.3 Cover 3:**

**Cover 3 should contain the following**

**Cover 3 shall contain Price only and shall be super scribed as 'Price Cover' duly indicating the Tender Reference No. and the due date of opening. The price bid should adhere to the format given in Annexure B.**

**Each Cover shall be sent in a double sealed cover. The inner covers (Cover 1, Cover 2 and Cover 3) should be sealed individually with the Sellers's distinctive seal and super scribed with the tender reference no. and due date of opening. All the three inner covers shall be placed in a common outer cover which shall also be sealed with seller's distinctive seal and super scribed with the tender reference no. and due date of opening.**

**Mention "Kind Attention:Dr.S.R. Balasundaram, Head of the Department, CSG" and submit at the address given in the Notice Inviting Tender.**

**All the covers will be opened on the scheduled date and time mentioned in the tender enquiry.**

## Section 2. “TERMS AND CONDITIONS FORM”

---

### IMPORTANT: READ ALL THE FOLLOWING TERMS AND CONDITIONS AND SIGN THE ACCEPTANCE CLAUSE FOLLOWING IT

---

1. The offers should be addressed to “The Registrar, National Institute of Technology, Tiruchirappalli 620015, India” and should be sent in a sealed envelope super scribed **“QUOTATIONS AGAINST TENDER NOTIFICATION No CSG/TENDER/September2013/2013 Item Name: Passive Components [Networking]”** so as to reach us **on or before 14/10/2013 at 3.30 p.m.**
2. Each offer should be sent in a sealed cover with the tender documents. Tenders received through email or FAX will not be considered. **Softcopy of the Technical Compliance form and Quotation Forms should be submitted along with the tender in MS-Excel file format in a CD/DVD. However, if there is any dispute between Hard copy and Soft copy, Hard copy will be taken.**
3. The tenders will be opened on **14/10/2013 at 4.00 p.m.** in the presence of the vendors present with authorization letter from the respective companies / firms. Suppliers intending to attend the tender opening should intimate us in advance.
4. Full technical specifications and pamphlets should be sent along with the tenders. **Offers without proper technical specifications will be rejected.**
5. The rate quoted should be on unit basis (excluding taxes and other charges). Taxes and other charges should be quoted separately, considering exemptions if any.
6. All offers should indicate the taxes and duties applicable, if any. Additional charges for packing, forwarding, freight, insurance etc., if any, should be clearly mentioned. Clearance at Customs will be arranged by us.
7. NIT-T is paying concessional Customs & Excise duty under Government of India Notification No.51/96 for Central Customs and 10/97 for Central Excise Duty vide Certificate No.TU/V/RG-CDE(183)/2011 dt.10.10.11. Currently the purchaser is paying 5% Basic Customs Duty, 2% Educational Cess on Basic Customs Duty, 1% Higher Education Cess on Educational Cess, and 4% Import Additional Duty.
8. NITT is exempted from the payment of Service Tax for the services coming under the category of “Educational Auxiliary Services” under Government of India Notification No.25/2012-Service Tax dated 20-JUNE-2012.
9. The Institute is not authorized to issue C and D forms of Sales tax certificate.
10. In case the offered items are to be imported, the rates should be quoted in foreign currency on C.I.F. Chennai Airport basis, and it should include the Freight up to Chennai airport and the insurance cover should be up to National Institute of Technology, Tiruchirappalli. The Customs Duty and other duties should be clearly mentioned in the price schedule (Section 4).
11. If the price quoted is in foreign currency and if the order value is more than US\$10,000 then 80% payment will be made through **Letter of Credit (LC) at sight on acceptance after installation.** If the order value is less than US\$10,000 , then 80% payment will be through a Telegraphic Transfer (TT) after installation. **The bank charges outside India should be borne by the Supplier / Beneficiary. Part shipment not allowed.** If the price quoted is in Indian Rupees, then 80% payment will be made only after installation and commissioning. Balance 20% spread over 4 years (5% each year) after successful completion of one year from the date of installation.

12. **No advance payment will be made.**

13. No revision of the price bid will be allowed once the price bids are opened. In case of foreign currency, the agency should mention the % of currency fluctuations they can bear.

14. No increase in price will be allowed after our firm orders are placed.

15. **Payment of excise duty and sales tax / VAT (on ultimate products)** as applicable on the closing date of tender will be to the supplier's / contractor's account. Any statutory variation (both plus and minus) in the rate of excise duty/sales tax/VAT after closing date of tender/revised price bid but before the expiry of the contractual delivery / completion period will be to the account of the office.

The bidder(s) will indicate, in their bid, the amount with exact rate of the Excise and Sales tax/VAT on ultimate finished product, as applicable at tendering stage, separately in the bid. In case the above information subsequently is proved wrong, incorrect or misleading (a) this Institute will have no liability to reimburse the excess in the difference in rates of the item under which the duty/tax assessed finally (b) this Institute will have the right to recover the difference in case the rate of duty / tax finally assessed is on the lower side.

Any increase in excise duty, sales tax / VAT during extended period of the contract / supply order will be to supplier's / contractor's account where such extension in delivery of the materials/completion of the project was on the request of supplier / contractor. However, any decrease in excise duty/sales tax/ VAT during extended period of the contract / supply order, will be to the account of this Institute.

16. The warranty period should be clearly mentioned. The maintenance charges (AMC) under different schemes after the expiry of the warranty should also be mentioned.

17. Quote should come from authorized dealer or distributor or reseller for each of the product quoted. An authorization letter from the OEM should accompany your quote for each product quoted; otherwise it may lead to rejection.

18. The delivery period and other terms should be clearly mentioned.

19. Eligibility: Quotation from registered firms/companies / manufacturers under TNGST/CST / other statutory bodies alone be considered. Any Manufacturer / Supplier / Dealer who has been declared ineligible by World Bank/Government of India/Leading Technical Institutions funded by Govt. of India shall not be eligible to participate in this bid. Any fraudulent practices including concealing of facts at the time of submission of bid and there after shall lead to disqualification. List of beneficiaries especially from Educational Institutions / R & D Institutions should also be enclosed with the quotations.

For those instruments Cost exceeding 5,00,000/- the company should have (i) Three similar works, each of value not less than 40% of the estimated cost, or (ii) Two similar works, each of value not less than 50% of the estimated cost, or (iii) One similar work of value not less than 80% of the estimated cost, all amounts rounded off to a convenient full figure, in the last 7 years ending on the last day of the month previous to the one in which the tenders are invited. **[i.e. a) for the supply of Passive Components : three similar type Passive components supplied at the total cost of each Rs.5 Lakhs or more (or) two similar type Passive components supplied at the total cost of each Rs.7.5 Lakhs or more (or) one similar type of Passive components supplied at the total cost of Rs.15 Lakhs or more** **b) For the installation / labour works of Passive Components [Fiber Optic Cable laying, Structured Ethernet cabling and installation work etc...:** three similar type of Passive components installation work at the total cost of each Rs.5 Lakhs or more (or) two similar type Passive components installation work at the total cost of each Rs.7.5 Lakhs or more (or) one similar type of Passive components installation work at the total cost of Rs.15 Lakhs or more].

20. Complete user, technical and service documentation, and spare parts catalogue are to be provided along with the supply of the item.
21. The vendors are informed that they should not call us over phone or contact us in person. All clarifications can be obtained through E-Mail/FAX/Post. Vendors shall not make attempts to establish unsolicited and unauthorized contact with us after the opening of the offers and prior to the notification of the award. Any attempt by any vendor to bring to bear extraneous pressures on us shall be sufficient reason to disqualify the vendor.
22. Delay / loss in postal transit or due to other reasons will not be NIT-T's responsibility.
23. We are not responsible for accidental opening of the covers that are not properly super scribed and sealed before the time scheduled for opening.
24. The tender should be made only on the formats given in this tender Sections which are available in our website, otherwise it shall lead to rejection. The technical details & prices should be filled as the formats given in this tender and to be filled up (preferably **TYPE WRITTEN IN CAPITAL LETTERS**) and should clearly mention the features offered by the bidder against each specification.
25. Authorized signatory should sign on all the pages. Bids without authorized signatures will be rejected.
26. The manufacturers of the quoted make of the product must be of national / international repute and having ISO certificate.
27. **Payment Terms** : 95% of payment after the successful delivery. Balance 5% of payment after the inspection of supplied components.
28. **Liquidated damages:** If the bidder/supplier, after accepting the Purchase Order, fails to deliver any or all of the Goods within the period specified in the Order, NIT-T shall, without prejudice to its other remedies under the Rules of Purchase, proceed to cancel the order or agree to accept a delayed delivery on the condition of payment of liquidated damages by the bidder / supplier a sum equivalent to 0.50% of the total cost as indicated in the Purchase Order (which will be deemed as agreed price) for each week or part thereof of delay until actual delivery or performance is completed and such penal charges shall be limited to a maximum of 5% of the total cost. Once the maximum is reached NIT-T may proceed on its own to consider the termination / cancellation of the order.
29. Minimum 25 years of system performance, application assurance for all the passive components as per the ISI and IEC standards.
30. **The vendors are informed that they (bidder, OEM & NITT) should sign a stamp paper agreement with us, for Warranty, AMC, etc. before placing the final purchase order as per our terms & conditions and 10% of purchase order value in the form of bank guarantee towards performance security. The bank guarantee will be returned to the supplier after the successful completion of supply, installation, and the warranty period.**
31. Failure to comply with all the terms and conditions mentioned herein would result in the tender being summarily rejected.
32. Vendors are informed that once the companies are shortlisted based on the technical specification, only then the price bids of the firms that meet NIT-T's Technical specification / requirements would be compared.
33. The order will be based on the actual requirement at the time of ordering, optional items may also be ordered based on the actual requirements at the time of ordering. Not quoting for this may result in disqualification.
34. NIT-T reserves the right to modify or alter the specifications after short listing of tenders.

35. NIT-T reserves the right to change the order quantity or split the orders among multiple vendors without assigning any reason(s) whatsoever.
36. NIT-T reserves the right to reject any or all the tenders without assigning any reasons whatsoever.
37. NIT-T reserves the right to increase / decrease the number of quantities of the items to be purchased
38. The agencies should submit their rates as per the format given in Section 4 of the Notice Inviting Tender in this cover. All the pages of the bid should be signed affixing the seal. All corrections and overwriting should be initialed.
39. The tender will be acceptable only from the manufacturers or their authorized suppliers.
40. The bid shall be in the format of price schedule given in Section 4. The contract form as per format given in section 5 shall be submitted. Incomplete or conditional tender will be rejected.
41. Details of quantity and the specifications are mentioned in Section 3 appended to this Notice Inviting Tender.
42. The item to be used is strictly according to the specification and subject to test by the Institute/concerned authorities. It must be delivered and installed in good working condition.
43. The Contractor/Supplier shall have no claim to any payment of compensation or otherwise whatsoever, on account of any profit or advantage which he might have derived from the execution of the work/supply in full but he did not derive in consequence of the foreclosure of the whole or part of the works.
44. In case of dispute, the matter will be subject to Tiruchirappalli, Tamil Nadu Jurisdiction only.

**Release of EMD:**

The EMD shall be released after receipt of performance security from successful bidder.

**Validity of bids:**

The rate quoted should be valid for a minimum of one year. No claim for escalation of rate will be considered after opening the Tender.

**Imports:**

In case, goods are to be imported, the Indian agent should furnish authorization certificate by the principles abroad for submission of the bid in response to this Notice Inviting Tender.

**Clarification of Tender Document:**

A prospective bidder requiring any clarification of the Tender document may communicate to the contact person given in this notice inviting tender.

**Amendment of tender document:**

At any time prior to the last date of receipt of bids, Institute may for any reason, whether at its own initiative or in response to a clarification requested by prospective bidder, modify the Tender document by an amendment.

*The Institute may at its own discretion extend the last date for the receipt of bids.*

The bids shall be written in English language and any information printed in other language shall be accompanied by an English translation, in which case for the purpose of interpretation of the bid, the English translation shall govern.

The Institute reserves the right of accepting any bid other than the lowest or even rejecting all the bids without assigning any reasons therefore. The decision of the Institute Purchase Committee is final in all matters of tender and purchase.

The bidder should give the following declaration while submitting the Tender.

**ACCEPTANCE**

We accept the above terms and conditions and shall comply with them strictly.

**NAME OF THE VENDOR:**

**ADDRESS :**

**SIGNATURE OF THE BIDDER**

**SEAL OF THE FIRM**

**“DETAILS OF THE FIRM OFFERING THIS QUOTE”**  
**(Write or print or type in block letters and please answer all the questions)**

**Section-2**

1. Name of the firm?  2. Date of incorporation?

3. Nature of the company-Government/Public/Private Company/Partnership/Proprietorship:

4. Specify the number of years in this line of activity by the Company ::

5. Quantity of sales in the last three years for the “Active & Passive Components” (same model that you have quoted)?

2010-2011	2011-2012	2012-2013

6. Turn over in the last three years (Figures should be in Indian Rupees in Lakhs):

2010-2011	2011-2012	2012-2013

7. Provide the postal address, telephone & fax numbers, and email address of the nearest service center.

8. A) Number of service engineers in the above location trained on the product quoted along with their educational qualification, certification and designation (applicable only for instruments) and B) Assured response time for service calls in hours:

A)

B)

9. What would be the delivery period in days from the date we place an official purchase order?.

10. Enclose the list of customers to whom you have supplied “ **Passive Components [Networking]**” during the last 3 years ending 31/03/2013 with full postal address and name of the contact person with phone, FAX numbers, and E-Mail id. Certificate regarding satisfactory performance of the installed “**Passive Components [Networking]**” from the minimum three end users should be furnished.

11. Are you the authorized dealer or distributor or reseller for the products quoted?:

12. Have you supplied / installed “**Passive Components [Networking]**” to National Institute of Technology, Tiruchirappalli in the last 3 years? If yes, specify the quantity supplied in the last 3 years and last PO reference.

13. Was there any elapse or delay in supplying the goods ordered or any service related issue during the warranty period for the products ordered by NIT-T with your firm? If yes, provide details.

14. On Manufacturer’s Side to whom NITT have to contact in case of delayed supply and other issues committed by the authorized dealer / distributor / reseller :

Contact Person Name :	
Address :	
E-mail ID :	Telephone / Cell Phone :

**DECLARATION**

I/we have not tampered/modified the tender forms in any manner. In case, if the same is found to be tampered/modified, I/we understand that my/our tender will be summarily rejected and full Earnest Money Deposit (EMD) will be forfeited and I/we am/are liable to be banned from doing business with NIT, Trichy and /or prosecuted.

**Signature of the Bidder** : .....

**Name and Designation** : .....

**Business Address** : .....  
.....  
.....

**Place :**

**Date :**

**Seal of the Bidder's Firm**

**SECTION : 3 SCOPE OF WORK, SCHEDULE OF REQUIREMENTS [TECHNICAL SPECIFICATIONS] AND ALLIED DETAILS**

---

Name of the Component to be procured :

---

Scope of Work :

**A. Supply of Passive Components**

- 1) Fiber Optic Cable & Accessories
- 2) Copper / Ethernet Cable & Accessories
- 3) PVC / Plastic / Polyethylene Accessories
- 4) RCC Semi Circular Slab / RCC Route marker
- 5) Rack & Accessories

**B. Installation / Labour of Passive Components**

- 1) Fiber Optic Cable Laying & Fiber Termination
- 2) Copper / Ethernet Installation etc.

Specifications :

Please See [Section-3]

Annexure-A [Supply of Passive Components]

Annexure-B [Installation & Labour of Passive Components]

Any other details/requirement : Please See [Section-3 Annexure-A & B]

Warranty period required : Minimum 25 years of system performance, application assurance for all the passive components as per the ISI and IEC standards

Delivery schedule & Completion of installation expected after release of purchase order (in weeks) : Strictly within one month from the date of Placement of Purchase order.

EMD (in Rupees) : Rs.25,000/-

Performance Security to be given by Successful bidder after release of purchase order (in Rupees) : Nil

**SECTION : 3 Annexure – A [ Technical Specifications and other details and requirement ]  
[SUPPLY OF PASSIVE COMPONENTS]**

[ To be used by the bidder for submission of the bid ]

**FIRM'S NAME & ADDRESS:**

**FIRM'S REF:**

**DATE:**

**Offer should be Valid till November 30, 2014**

**1. FIBER OPTIC CABLE & ACCESSORIES**

SI . #	NITT's specifications	Firm's Matching Specifications
	<b>1) Outdoor Single Mode Fibre (12 core / 24 core)</b>	
a)	Core Diameter 8-9 $\mu\text{m}$	
b)	Cladding Diameter 125 $\mu\text{m}$	
c)	Coating Fibre Diameter 250 $\mu\text{m}$	
d)	Corrugated steel tape armored, direct burial cable	
e)	Loose tube construction, Gel Filled	
f)	Aramid yarn strength member	
g)	Outer Sheath or Jacket (Material & Thickness)	
h)	Name and Country of the Manufacturer	
i)	Make and Model No	
	<b>Network Support</b>	<i>Specify the Kilometer</i>
j)	10/100/1000 Ethernet	
k)	155 Mbps ATM	
l)	1000 Base FX	
m)	10 Giga Ethernet	
n)	CWDM GBIC	
	<b>Attenuation</b>	
o)	@ 1310 nm should be $\leq 0.38$ dB/km	
p)	@ 1550 nm should be $\leq 0.30$ dB/km	
q)		

**SECTION : 3 Annexure – A [ Technical Specifications and other details and requirement ]**  
**[SUPPLY OF PASSIVE COMPONENTS]**  
 [ To be used by the bidder for submission of the bid ]

**FIRM'S NAME & ADDRESS:**

**FIRM'S REF:**

**DATE:**

**Offer should be Valid till November 30, 2014**

**1. FIBER OPTIC CABLE & ACCESSORIES**

Sl . #	NITT's specifications	Firm's Matching Specifications
	<b>Physical Properties</b>	
r)	Maximum tensile strength a) During Installation b) During Service	
s)	Minimum bending radius of the cable a) Loaded (Specify outer diameter) b) Unloaded (Specify outer diameter)	
t)	Crush Resistance	
u)	Impact Resistance	
v)	Kink Resistance	
w)	Torsion Resistance	
x)	Temperature a) Installation : -20°C to +70°C b) Storage : -20°C to +70°C	
y)	Water Penetration	
	<b>Cable Standards</b>	
z)	Reduced-Water-Peak Standard	
aa)	GR-20-CORE	
bb)	ITU-T G.652.D	
cc)	IEC 60793-2-50 B1.3	
	List out the standards during the testing process	
dd)		
ee)		
ff)		
gg)	Note: Manufacturers Test reports for all above specified tests shall be submitted along with the bid	

**SECTION : 3 Annexure – A [ Technical Specifications and other details and requirement ]**  
**[SUPPLY OF PASSIVE COMPONENTS]**

[ To be used by the bidder for submission of the bid ]

**FIRM'S NAME & ADDRESS:**

**FIRM'S REF:**

**DATE:**

**Offer should be Valid till November 30, 2014**

**1. FIBER OPTIC CABLE & ACCESSORIES**

<b>Sl . #</b>	<b>NITT's specifications</b>	<b>Firm's Matching Specifications</b>
	<b>Shipping Length (km)</b>	
hh)	Length of the delivery (Drum size)	
ii)	Outer diameter of the cable drum	
jj)	Width of the cable drum	
kk)	Weight per kilometer of cable	
ll)	Technical brochures enclosed	
mm)	Sample 1 Feet fibre cable to be enclosed (Separately)	
<b>Quantity required : 4000 meters</b>		

... Contd.

**SECTION : 3 Annexure – A [ Technical Specifications and other details and requirement ]  
[SUPPLY OF PASSIVE COMPONENTS]**

[ To be used by the bidder for submission of the bid ]

**FIRM'S NAME & ADDRESS:**

**FIRM'S REF:**

**DATE:**

**Offer should be Valid till November 30 , 2014**

**1. FIBER OPTIC CABLE & ACCESSORIES**

<b>Sl . #</b>	<b>NITT's specifications</b>	<b>Firm's Matching Specifications</b>
	<b>2) Internal/Duct Grade Premise cable Indoor Single Mode Fibre (6 core)</b>	
a)	Core Diameter 8-9 $\mu\text{m}$	
b)	Cladding Diameter 125 $\mu\text{m}$	
c)	900 $\mu\text{m}$ Tight buffered	
d)	OFNR riser rated	
e)	E Glass Yarn – Rodent Resistant	
f)	Aramid yarn strength member	
g)	Low Smoke Zero Halogen, Flame retardant jacket	
h)	Outer Sheath or Jacket (Material & thickness)	
i)	Name and Country of the Manufacturer	
j)	Make and Model No.	
	<b>Network Support</b>	<b>Specify the Kilometer</b>
k)	10/100/1000 Ethernet	
l)	155 Mbps ATM	
m)	1000 Base FX	
n)	10G-base	
o)	CWDM GBIC / SFP	
	<b>Attenuation</b>	
p)	@ 1310 nm should be $\leq 0.38$ dB/km	
q)	@ 1550 nm should be $\leq 0.30$ dB/km	

**SECTION : 3 Annexure – A [ Technical Specifications and other details and requirement ]  
[SUPPLY OF PASSIVE COMPONENTS]**

[ To be used by the bidder for submission of the bid ]

**FIRM'S NAME & ADDRESS:**

**FIRM'S REF:**

**DATE:**

**Offer should be Valid till November 30, 2014**

**1. FIBER OPTIC CABLE AND ACCESSORIES**

<b>Sl. #</b>	<b>NITT's specifications</b>	<b>Firm's Matching Specifications</b>
	<b>Physical Properties</b>	
r)	Maximum tensile strength a) During Installation b) During Service	
s)	Minimum bending radius of the cable a) Loaded (Specify outer diameter) b) Unloaded (Specify outer diameter)	
t)	Crush Resistance	
u)	Impact Resistance	
v)	Kink Resistance	
w)	Torsion Resistance	
x)	Temperature a) Installation : -20°C to +70°C b) Storage : -20°C to +70°C	
	<b>Standards &amp; Testing</b>	
y)	GR-20-CORE	
z)	ITU-T Recommendation G.652 and G.652C	
aa)	IEC 793-1: 1992, Category B 1.1	
bb)	EN 188 000	
	UL Listing NEC/CEC:	
	Flame Test:	
	List out the standards during the testing process	
cc)		
dd)		
ee)	Note: Manufacturers Test reports for all above specified tests shall be submitted along with the bid	

**NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI – 620 015**

**SECTION : 3 Annexure – A [ Technical Specifications and other details and requirement ]**  
**[SUPPLY OF PASSIVE COMPONENTS]**

[ To be used by the bidder for submission of the bid ]

**FIRM'S NAME & ADDRESS:**

**FIRM'S REF:**

**DATE:**

**Offer should be Valid till November 30 , 2014**

**1. FIBER OPTIC CABLE & ACCESSORIES**

<b>Sl . #</b>	<b>NITT's specifications</b>	<b>Firm's Matching Specifications</b>
	<b>Shipping Length (km)</b>	
ff)	Length of the delivery (Drum size)	
gg)	Outer diameter of the cable drum	
hh)	Width of the cable drum	
ii)	Weight per kilometer of cable	
jj)	Technical brochures enclosed	
kk)	Separately sample 1 Feet fibre cable to be enclosed	
<b>Quantity required : 1500 meters</b>		

**SECTION : 3 Annexure – A [ Technical Specifications and other details and requirement ]  
[SUPPLY OF PASSIVE COMPONENTS]**

[ To be used by the bidder for submission of the bid ]

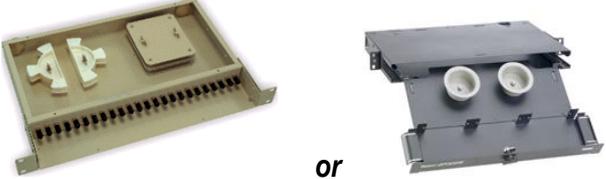
**FIRM'S NAME & ADDRESS:**

**FIRM'S REF:**

**DATE:**

**Offer should be Valid till November 30, 2014**

**1. FIBER OPTIC CABLE & ACCESSORIES**

Sl. #	NITT's specifications	Firm's Matching Specifications
	 <p style="text-align: center;"><b>or</b></p>	
3. 4.	Rack Mount Enclosure(Size 1U Sliding Drawer) 12 Port Make & Mode 24 Port Make & Mode	
a)	<i>No of Adapter panels: 1 / 2</i>	
b)	<i>Should support SC Simplex, SC Duplex, MT-RJ and LC connector</i>	
c)	<i>Rubber grommets are provided at the cable entry points for tight sealing</i>	
	<b>Fiber Optic Adapter Panels</b>	
d)	Inbuilt 24 slots for SC Adaptors a) Simplex type b) Duplex type	
	<b>Splice Trays</b>	
e)	<i>Fully cushioned splice holder containing grooves for fixing splice protection sleeves</i>	
	<b>Cable Spools</b>	
f)	<i>Flame retardant plastic, high impact resistance</i>	
g)	<i>Stackable design, sufficient room provided for storage of excess cable</i>	
<b>Quantity required : 15 nos.</b>		

**SECTION : 3 Annexure – A [ Technical Specifications and other details and requirement ]**  
**[SUPPLY OF PASSIVE COMPONENTS]**

[ To be used by the bidder for submission of the bid ]

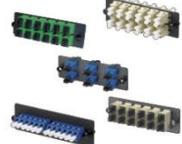
**FIRM'S NAME & ADDRESS:**

**FIRM'S REF:**

**DATE:**

**Offer should be Valid till November 30, 2014**

**1. FIBER OPTIC CABLE & ACCESSORIES**

Sl. #	NITT's specifications	Firm's Matching Specifications
		
5.	Wall Mount Enclosure	
6.	12 Port LIU Make & Model, 24 Port LIU Make & Model	
a.	Compartment design with adaptor panel in the center	
b.	No of Adapter panels : 2	
c.	Doors enclosure with lock and key	
d.	Rubber grommets are provided at the cable entry points for tight sealing	
	<b>Fiber Optic Adapter Panels</b>	
e.	 12 /24 port SC ADAPTOR PANEL SC DUPLEX ADAPTOR PANEL	
	<b>Splice Trays</b>	
f.	Fully cushioned splice holder containing grooves for fixing splice protection sleeves	
	<b>Cable Spools</b>	
g.	Flame retardant plastic, high impact resistance	
h.	Stackable design, sufficient room provided for storage of excess cable	
<b>Quantity required : 15 nos.</b>		

**SECTION : 3 Annexure – A [ Technical Specifications and other details and requirement ]  
[SUPPLY OF PASSIVE COMPONENTS]**

[ To be used by the bidder for submission of the bid ]

**FIRM'S NAME & ADDRESS:**

**FIRM'S REF:**

**DATE:**

**Offer should be Valid till November 30, 2014**

**1. FIBER OPTIC CABLE & ACCESSORIES**

Sl. #	NITT's specifications	Firm's Matching Specifications
	Pass all TIA/EIA-568-B.3 performance requirements, 100% factory inspected end face geometry in compliance with Telcordia GR-326-CORE. <i>All Single Mode fiber should be Zirconia ferrule 900 μm buffered fiber</i>	
7	 SC Pigtail single mode simplex pigtail, 900μm tight buffered fiber (one SC connector on one end and open on the other end) – 9/125μm.	
7a.	1 meter <b>Required Quantity: 600 Nos</b>	
8	 SC to SC single mode simplex patch cord, 3mm jacketed cable (one SC connector on each end) – 9/125μm.	
8a.	1 meter <b>Required Quantity: 30 Nos</b>	
8b.	3 meter <b>Required Quantity: 50 Nos</b>	
8c.	5 meter <b>Required Quantity: 30 Nos</b>	
9	 SC to LC single mode simplex patch cord, 1.6mm jacketed cable (one SC connector on one end and one LC connector on the other end) – 9/125μm.	
9a.	1 meter <b>Required Quantity: 30 Nos</b>	
9b.	3 meter <b>Required Quantity: 50 Nos</b>	
9c.	5 meter <b>Required Quantity: 30 Nos</b>	
10	 LC to LC single mode simplex patch cord, 1.6mm jacketed cable (one LC connector on each end) – 9/125μm.	
10a.	1 meter <b>Required Quantity: 20 Nos</b>	
10b.	3 meter <b>Required Quantity: 30 Nos</b>	
10c.	5 meter <b>Required Quantity: 20 Nos</b>	

**SECTION : 3 Annexure – A [ Technical Specifications and other details and requirement ]**  
**[SUPPLY OF PASSIVE COMPONENTS]**

[ To be used by the bidder for submission of the bid ]

**FIRM'S NAME & ADDRESS:**

**FIRM'S REF:**

**DATE:**

**Offer should be Valid till November 30 , 2014**

**1. FIBER OPTIC CABLE & ACCESSORIES**

Sl. #	NITT's specifications	Firm's Matching Specifications	Unit Price
11	 <p>SC to SC single mode duplex patch cord, 3mm jacketed cable (two SC connectors on each end) – 9/125µm.</p>		
11a.	1 meter <b>Required Quantity: 50 Nos</b>		
11b.	3 meter <b>Required Quantity: 50 Nos</b>		
12	 <p>SC to LC single mode duplex patch cord, 1.6mm jacketed cable (two SC connectors on one end and one duplex LC connector on the other end) - 9/125µm.</p>		
12a.	1 meter <b>Required Quantity: 50 Nos</b>		
12b.	3 meter <b>Required Quantity: 80 Nos</b>		

... Contd.

**SECTION : 3 Annexure – A [ Technical Specifications and other details and requirement ]  
[SUPPLY OF PASSIVE COMPONENTS]**

[ To be used by the bidder for submission of the bid ]

**FIRM'S NAME & ADDRESS:**

**FIRM'S REF:**

**DATE:**

**Offer should be Valid till November 30 , 2014**

**2. COPPER / ETHERNET CABLE & ACCESSORIES**

Sl. #	<i>NITT's specifications</i>	Firm's Offer (All the details should be specified)
	<b>Ethernet Cable and Accessories [ Comply with the Category 6 standards TIA/EIA 568-B.2-1, ISO/IEC 11801:2002 and AS/NZS 3080:2002]</b>	<i>Make &amp; Model to be specified</i>
13.	<b>STP (Shielded Twisted Pair) CAT6</b> as per EIA / TIA CAT 6 channel performance (Box of 305 Meters) <b>Required Quantity: 10 Box</b>	
14.	<b>UTP CAT6</b> as per EIA / TIA CAT 6 channel performance (Box of 305 Meters) <b>Required Quantity: 80 Nos</b>	
15.	Single Port Face Plate (85 mm x 85 mm) with CAT6 Information Outlet <b>Required Quantity: 300 Nos</b>	
16.	Dual Port Face Plate (85 mm x 85 mm) with CAT6 Information Outlet <b>Required Quantity: 150 Nos</b>	
17.	CAT6 Information Outlet ( Compatibility for the above mentioned Face Plate) <b>Required Quantity: 100 Nos</b>	
18.	Single Port Face Plate (85 mm x 85 mm) <b>Required Quantity: 50 Nos</b>	
19.	Dual Port Face Plate (85 mm x 85 mm) <b>Required Quantity: 50 Nos</b>	
20.	Surface Mount Box (85 mm x 85 mm x 40 mm)/ Open Box White colour <b>Required Quantity: 400 Nos</b>	
21.	1 meter Cat 6 Patch cable <b>Required Quantity: 300 Nos</b>	
22.	2 meter Cat 6 Patch cable <b>Required Quantity: 300 Nos</b>	

NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI – 620 015

**SECTION : 3 Annexure – A [ Technical Specifications and other details and requirement ]**  
**[SUPPLY OF PASSIVE COMPONENTS]**

[ To be used by the bidder for submission of the bid ]

**FIRM'S NAME & ADDRESS:**

**FIRM'S REF:**

**DATE:**

**Offer should be Valid till November 30 , 2014**

**2. COPPER / ETHERNET CABLE & ACCESSORIES**

<b>Sl. #</b>	<b>NITT's specifications</b>	<b>Firm's Offer (All the details should be specified)</b>
23.	3 meter Cat 6 Patch cable <b>Required Quantity: 200 Nos</b>	
24.	5 meter Cat 6 Patch cable <b>Required Quantity: 100 Nos</b>	
25.	10 meter Cat 6 Patch cable <b>Required Quantity: 50 Nos</b>	
26.	24 Port CAT6 Patch Panel 1U <b>Required Quantity: 20 Nos</b>	
27.	48 Port CAT6 Patch Panel 2U <b>Required Quantity: 10 Nos</b>	

... Contd.

**SECTION : 3 Annexure – A [ Technical Specifications and other details and requirement ]  
[SUPPLY OF PASSIVE COMPONENTS]**

[ To be used by the bidder for submission of the bid ]

**FIRM'S NAME & ADDRESS:**

**FIRM'S REF:**

**DATE:**

**Offer should be Valid till November 30 , 2014**

**3. PVC / Plastic / Polyethylene Accessories**

Sl. #	NITT's specifications	Firm's Matching Specifications
28.	Permanently Lubricated 1" HDPE Pipe with 4mm pre-installed nylon rope.  <i>Make</i> <i>Model</i> Specify inner and outer diameter ( in mm) Packing Length (in meters)  <b>ISI Certification number / DOT Specification number</b>  <b>Required Quantity: 3000 Meter</b>	
29.	<i>Warning Tape ( Polyethylene - 9" width and 40 Micron Thickness ) with bold printed Matter of 150 character( Example: FOC is 1 Feet ahead. Contact: CSG – NITT -15. Intercom:3803/3819) per meter.</i>  <b>Required Quantity: 5000 Meter</b>	
30.	<i>Plastic Coupler for 1" HDPE Pipe</i>  <b>Required Quantity: 100 Nos</b>	
31.	<i>Plastic End Cap for 1" HDPE Pipe</i>  <b>Required Quantity: 50 Nos</b>	
32.	<i>Cable Sealing Plug for 1" Pipe</i>  <b>Required Quantity: 100 Nos</b>	

... Contd.

**SECTION : 3 Annexure – A [ Technical Specifications and other details and requirement ]**  
**[SUPPLY OF PASSIVE COMPONENTS]**

[ To be used by the bidder for submission of the bid ]

**FIRM'S NAME & ADDRESS:**

**FIRM'S REF:**

**DATE:**

**Offer should be Valid till November 30 , 2014**

**4. RCC Semi Circular Slab / RCC Route Marker**

<b>Sl. #</b>	<b><i>NITT's specifications</i></b>	<b>Firm's Matching Specifications</b>
<b>33.</b>	RCC Semi Circular Slab 6" width, 36" Length, 1" Thickness <b>Required quantity : 5000 to 7000 no.</b>	
<b>34.</b>	RCC Route Marker 12" breadth, 24" Height, 2" width with engrave "CSG/NITT- FOC" Route Marker <b>Required Quantity: 200 Nos</b>	

... Contd.

**SECTION : 3 Annexure – A [ Technical Specifications and other details and requirement ]**  
**[SUPPLY OF PASSIVE COMPONENTS]**  
 [ To be used by the bidder for submission of the bid ]

**FIRM'S NAME & ADDRESS:**

**FIRM'S REF:**

**DATE:**

**Offer should be Valid till November 30 , 2014**

**5. RACKs AND ACCESSORIES**

Sl. #	NITT's specifications	Firm's Offer (All the details should be specified)
35.	Cable Manager / Horizontal Cable Organizer <b>Required Quantity: 200 Nos</b>	
36.	<b>Height 6U</b> Wall Mount Rack Cabinet [ Two Sections] – Glass Door trims powder coated, (600mm x 600mm), AC Power Distribution, front panel mounting hardware. <b>Required Quantity: 10 Nos</b>	
37.	<b>Height 9U</b> Wall Mount Rack Cabinet [ Two Sections] – Glass Door trims powder coated, (600mm x 600mm), AC Power Distribution, front panel mounting hardware. <b>Required Quantity: 30 Nos</b>	
38.	<b>Height 12U</b> Wall Mount Rack Cabinet [ Two Sections] – Glass Door trims powder coated, (600mm x 600mm), AC Power Distribution, front panel mounting hardware. <b>Required Quantity: 5 Nos</b>	
39.	<b>Height 15U</b> Wall Mount Rack Cabinet [ Two Sections] – Glass Door trims powder coated, (600mm x 600mm), AC Power Distribution, front panel mounting hardware. <b>Required Quantity: 5 Nos</b>	
40.	<b>Floor Standing Cabinets : Height 22U</b> , Width : 800mm, Depth : 1000mm, Front – Glass Door vented, Rear – Steel door vented, cooling fans, cable management accessories, AC mains channel, earth continuity kit, captive mounting hardware. <b>Required Quantity: 2 Nos</b>	
41.	<b>Floor Standing Cabinets : Height 42U</b> , Width : 800mm, Depth : 1000mm, Front – Glass Door vented, Rear – Steel door vented, equipment support angles, cooling fans, cable management accessories, AC mains channel, earth continuity kit, captive mounting hardware. <b>Required Quantity: 1 Nos</b>	

**SECTION : 3 Annexure – B [ Technical Specifications and other details and requirement ]**  
**[INSTALLATION / LABOUR OF PASSIVE COMPONENTS]**

[ To be used by the bidder for submission of the bid ]

**FIRM'S NAME & ADDRESS:**

**FIRM'S REF:**

**DATE:**

**Offer should be Valid till November 30 , 2014**

**1. FIBER OPTIC CABLE LAYING & FIBER TERMINATION**

Sl. No.	<i>NITT's Specification</i>	Firm's Matching Specification
42.	<p><b>Labour charges:</b>  <b>Digging of soft soil</b> (3 feet Depth and 1 feet width) and refilling of trenches  <b>Fixing</b> of 6" width, 36" Length, 1" thickness of RCC Semi Circular Slab (after cable laying)  <b>Laying of Warning Tape</b> (9" width)  <b>Required Quantity: 3000 Meter</b></p>	
43.	<p><b>Digging of Hard soil</b> (3 feet Depth and 1 feet width) and refilling of trenches.  <b>Fixing</b> of 6" width, 36" Length, 1" thickness of RCC Semi Circular Slab (after cable laying)  <b>Laying of Warning Tape</b> (9" width)  <b>Required Quantity: 2000 meter</b></p>	
44.	<p><b>HDPE Pipe Laying</b>  <b>Required Quantity: 5000 meter</b></p>	
45.	<p><b>Fiber Cable Laying</b> (inserting the cable in HDPE pipe) <b>Required Quantity: 5000 Meter</b></p>	
46.	<p><b>Fixing</b> of RCC Route Marker 12" breadth, 24" Height, 2" width with engrave "CSG/NITT- FOC" Route Marker (<b>after cable laying</b>) <b>Required Quantity: 200 Nos</b></p>	

**Note :**

- 1) Fiber Optic Cable, HDPE Pipe. Semi Circular Slab and Route Marker will be supplied by NITT.
- 2) The Awardee / contractor should register the names of labourers with the District Labour Welfare Office and the Awardee / contractor should file the documents related to labour laws (the form prescribed by the District Labour Officer) and fees / charges to be paid to District Labour Welfare Office is the responsibility of the Awardee / contractor. Photocopies of the relevant documents should be submitted before the commencing of work.

NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI – 620 015

**SECTION : 3 Annexure – A [ Technical Specifications and other details and requirement ]**  
**[INSTALLATION OF PASSIVE COMPONENTS]**

[ To be used by the bidder for submission of the bid ]

**FIRM'S NAME & ADDRESS:**

**FIRM'S REF:**

**DATE:**

**Offer should be Valid till November 30 , 2014**

**1. FIBER OPTIC CABLE LAYING & FIBER TERMINATION**

<b>Sl. #</b>	<b><i>NITT's specifications</i></b>	<b>Firm's Matching Specification with Unit Price</b>
47.	<b>Termination (per fiber)</b>	Connectors will be supplied by NITT, only Labor charges to be quoted
47a.	Splicing Fibers <b>Required Quantity: 500 Nos</b>	
47b.	Fixing LIUs <b>Required Quantity: 50 Nos</b>	
48.	<b>Testing and Report (per link)</b>	
48a.	<b>Required Quantity: 500 Core</b>	
49.	Labelling & Documentation <b>Required Quantity: 500 Core</b>	

... Contd.

**SECTION : 3 Annexure – A [ Technical Specifications and other details and requirement ]**  
**[INSTALLATION OF PASSIVE COMPONENTS]**

[ To be used by the bidder for submission of the bid ]

**FIRM'S NAME & ADDRESS:**

**FIRM'S REF:**

**DATE:**

**Offer should be Valid till November 30 , 2014**

**2. COPPER / ETHERNET INSTALLATION**

<b>Sl. #</b>	<b><i>NITT's specifications</i></b>	<b>Firm's Matching Specification with Unit Price</b>
<b>50a.</b>	Service charges for structured cabling work per port (includes supplying and fixing of proper PVC channel, CAT 6 cable laying, SMB fixing, Patch Panel fixing, Wall mount rack fixing, termination of CAT 6 cable in IO + Patch panel and documentation) <u>Note:</u> A single network port (CAT 6 cable) may have a length of <b>5 meter to 25 meter</b> .	
<b>50b.</b>	Service charges for structured cabling work per port (includes supplying and fixing of proper PVC channel, CAT 6 cable laying, SMB fixing, Patch Panel fixing, Wall mount rack fixing, termination of CAT 6 cable in IO + Patch panel and documentation) <u>Note:</u> A single network port (CAT 6 cable) may have a length of <b>26 meter to 50 meter</b> .	
<b>50c.</b>	Service charges for structured cabling work per port (includes supplying and fixing of proper PVC channel, CAT 6 cable laying, SMB fixing, Patch Panel fixing, Wall mount rack fixing, termination of CAT 6 cable in IO + Patch panel and documentation) <u>Note:</u> A single network port (CAT 6 cable) may have a length of <b>51 meter to 75 meter</b> .	
<b>50d.</b>	Service charges for structured cabling work per port (includes supplying and fixing of proper PVC channel, CAT 6 cable laying, SMB fixing, Patch Panel fixing, Wall mount rack fixing, termination of CAT 6 cable in IO + Patch panel and documentation) <u>Note:</u> A single network port (CAT 6 cable) may have a length of <b>76 meter to 90 meter</b> .	
	<b>Required Quantity(All Put together) : 500 Nos</b> (All the ports are not in single location and not at a stretch. Each location can have minimum 5 to 50 Nos. combined with all the 4 categories)	

**SECTION : 4 PRICE SCHEDULE**

[ To be used by the bidder for submission of the bid ]

---

1. Component Name :
  
2. Specifications (confirming to Section 3 of Tender document-enclose additional sheets if necessary) :
3. Currency and Unit Price :
  
4. Quantity :
  
5. Item cost (Sl.No.3 & Sl.No.4) (in Indian Rupee) :
  
6. Taxes and other charges :
  - (i) Specify the type of taxes and duties in percentages and also in figures
  - (ii) Specify other charges in figures :
  
7. Warranty period (confirming to the Section 3 of Tender document. This should be mentioned in Technical bid also in order to get qualified for Financial bid) :
8. Delivery Schedule (confirming to the Section 3 of Tender document) :
9. Name and address of the firm for placing purchase order :
  
10. Name and address of Indian authorized agent (in case of imports only) :

**Signature of the Bidder** : .....

**Name and Designation** : .....

**Business Address** : .....  
.....  
.....

**Place :**

**Date :**

**Seal of the Bidder's Firm**

**PRICE BID FORMAT FOR INDIAN BIDDERS THOSE WHO ARE QUOTING IN INR**

Tender No. & Date : CSG/TENDER/September2013/2013 07/09/2013

S.No.	Description of Item	Unit (Set/No.)	Qty.	Rate / Qty. In Rs. (excluding of all taxes)	ED in %	VAT/CST in CST%	Service Tax in %	Total value in Rs. (inclusive of all taxes)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
<b>FIBER OPTIC CABLE &amp; ACCESSORIES</b>								
<b>1) Outdoor Single Mode Fibre (12 core)</b>								
<b>a</b>	Unit Price (per meter) Upto 500 meters							
<b>b</b>	Unit Price (per meter) Upto 1000 meters							
<b>c</b>	Unit Price (per meter) Upto 1500 meters							
<b>d</b>	Unit Price (per meter) Upto 2000 +meters							
	<b>Delivery Period</b>							
	Packing & Forwarding charges (extra, if any) in percentage (or) Lumpsum							
	FOR Despatching stations value in Rs.							
	Freight & Transit Insurance charges, extra, if any (Lumpsum of %)							
	Total all inclusive price delivered at NITT							
<b>1A) Outdoor Single Mode Fibre (24 core)</b>								
<b>a</b>	Unit Price (per meter) Upto 500 meters							
<b>b</b>	Unit Price (per meter) Upto 1000 meters							
<b>c</b>	Unit Price (per meter) Upto 1500 meters							
<b>d</b>	Unit Price (per meter) Upto 2000 +meters							
	<b>Delivery Period</b>							
	Packing & Forwarding charges (extra, if any) in percentage (or) Lumpsum							
	FOR Despatching stations value in Rs.							
	Freight & Transit Insurance charges, extra, if any (Lumpsum of %)							
	Total all inclusive price delivered at NITT							

- The vendor will be selected those who are meeting the NITT's specification and the required quantity for this project. The unit price options are given above for arriving One year rate contract.

... Contd.

**Signature & Seal of Vendor**

**PRICE BID FORMAT FOR INDIAN BIDDERS THOSE WHO ARE QUOTING IN INR**

**Tender No. & Date : CSG/TENDER/September2013/2013 07/09/2013**

S.No.	Description of Item	Unit (Set/No.)	Qty.	Rate / Qty. In Rs. (excluding of all taxes)	ED in %	VAT/CST in CST%	Service Tax in %	Total value in Rs. (inclusive of all taxes)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
<b>FIBER OPTIC CABLE &amp; ACCESSORIES</b>								
<b>2) Internal/Duct Grade Premise cable Indoor Single Mode Fibre (6 core)</b>								
<b>a</b>	Unit Price (per meter) Upto 500 meters							
<b>b</b>	Unit Price (per meter) Upto 1000 meters							
<b>c</b>	Unit Price (per meter) Upto 1500 meters							
<b>d</b>	Unit Price (per meter) Upto 2000 meters							
	<b>Delivery Period</b>							
	Packing & Forwarding charges (extra, if any) in percentage (or) Lumpsum							
	FOR Despatching stations value in Rs.							
	Freight & Transit Insurance charges, extra, if any (Lumpsum of %)							
	Total all inclusive price delivered at NITT							

- The vendor will be selected those who are meeting the NITT's specification and the required quantity for this project. The unit price options are given above for arriving One year rate contract.

... Contd.

**Signature & Seal of Vendor**

**NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI – 620 015**  
**Section – 4 Annexure–C**  
**PRICE BID FORMAT FOR INDIAN BIDDERS THOSE WHO ARE QUOTING IN INR**

**Tender No. & Date : CSG/TENDER/September2013/2013 07/09/2013**

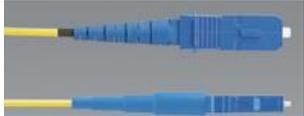
S.No.	Description of Item	Unit (Set/No.)	Qty.	Rate / Qty. In Rs. (excluding of all taxes)	ED in %	VAT/CST in CST%	Service Tax in %	Total value in Rs. (inclusive of all taxes)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
<b>FIBER OPTIC CABLE &amp; ACCESSORIES</b>								
3.	Rack Mount Enclosure(Size 1U Sliding Drawer) 12 Port LIU with Adapter Panel							
4.	Rack Mount Enclosure(Size 1U Sliding Drawer) 24 Port LIU with Adapter Panel							
	<b>Delivery Period</b>							
5.	Wall Mount Enclosure 12 Port LIU with Adapter Panel							
6.	Wall Mount Enclosure 24 Port LIU with Adapter Panel							
	<b>Delivery Period</b>							
<b>FIBER OPTIC CABLE &amp; ACCESSORIES</b>								
<b>Fiber Accessories</b>								
(Pass all TIA/EIA-568-B.3 performance requirements, 100% factory inspected end face geometry in compliance with Telcordia GR-326-CORE. All Single Mode fiber should be Zirconia ferrule 900 μm buffered fiber)								
7		SC Pigtail single mode simplex pigtail, 900μm tight buffered fiber (one SC connector on one end and open on the other end) –						9/125μm.
7a.	1 meter <b>Required Quantity: 600 Nos</b>							
8		SC to SC single mode simplex patch cord, 3mm jacketed cable (one SC connector on each end) –						9/125μm.
8a.	1 meter <b>Required Quantity: 30 Nos</b>							
8b.	3 meter <b>Required Quantity: 50 Nos</b>							
8c.	5 meter <b>Required Quantity: 30 Nos</b>							

... Contd.

**Signature & Seal of Vendor**

PRICE BID FORMAT FOR INDIAN BIDDERS THOSE WHO ARE QUOTING IN INR

Tender No. & Date : CSG/TENDER/September2013/2013 07/09/2013

S.No.	Description of Item	Unit (Set/No.)	Qty.	Rate / Qty. In Rs. (excluding of all taxes)	ED in %	VAT/CST in CST%	Service Tax in %	Total value in Rs. (inclusive of all taxes)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
<b>FIBER OPTIC CABLE &amp; ACCESSORIES</b>								
9		SC to LC single mode simplex patch cord, 1.6mm jacketed cable (one SC connector on one end and one LC connector on the other end) – 9/125µm.						
9a.	1 meter Required Quantity: 30 Nos							
9b.	3 meter Required Quantity: 50 Nos							
9c.	5 meter Required Quantity: 30 Nos							
10.		LC to LC single mode simplex patch cord, 1.6mm jacketed cable (one LC connector on each end) – 9/125µm.						
10a.	1 meter Required Quantity: 20 Nos							
10b.	3 meter Required Quantity: 30 Nos							
10c.	5 meter Required Quantity: 20 Nos							
11		SC to SC single mode duplex patch cord, 3mm jacketed cable (two SC connectors on each end) – 9/125µm.						
11a.	1 meter Required Quantity: 50 Nos							
11b.	3 meter Required Quantity: 50 Nos							
12		SC to LC single mode duplex patch cord, 1.6mm jacketed cable (two SC connectors on one end and one duplex LC connector on the other end) - 9/125µm.						
12a.	1 meter Required Quantity: 50 Nos							
12b.	3 meter Required Quantity: 80 Nos							
Packing & Forwarding charges (extra, if any) in percentage (or) Lumpsum								
FOR Despatching stations value in Rs.								
Freight & Transit Insurance charges, extra, if any (Lumpsum of %)								
Total all inclusive price delivered at NITT								

... Contd.

Signature & Seal of Vendor

**NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI – 620 015**  
**Section – 4 Annexure–C**  
**PRICE BID FORMAT FOR INDIAN BIDDERS THOSE WHO ARE QUOTING IN INR**

**Tender No. & Date : CSG/TENDER/September2013/2013 07/09/2013**

<b>COPPER ACCESSORIES (Ethernet Cable and Accessories)</b>								
<b>[ Comply with the Category 6 standards TIA/EIA 568-B.2-1, ISO/IEC 11801:2002 and AS/NZS 3080:2002]</b>								
<b>13.</b>	<b>STP (Shielded Twisted Pair) CAT6</b> as per EIA / TIA CAT 6 channel performance (Box of 305 Meters) <b>Required Quantity: 10 Box</b>							
<b>14.</b>	<b>UTP CAT6</b> as per EIA / TIA CAT 6 channel performance (Box of 305 Meters) <b>Required Quantity: 80 Nos</b>							
<b>15.</b>	Single Port Face Plate (85 mm x 85 mm) with CAT6 Information Outlet <b>Required Quantity: 300 Nos</b>							
<b>16.</b>	Dual Port Face Plate (85 mm x 85 mm) with CAT6 Information Outlet <b>Required Quantity: 150 Nos</b>							
<b>17.</b>	CAT6 Information Outlet ( Compatibility for the above mentioned Face Plate) <b>Required Quantity: 100 Nos</b>							
<b>18.</b>	Single Port Face Plate (85 mm x 85 mm) <b>Required Quantity: 50 Nos</b>							
<b>19.</b>	Dual Port Face Plate (85 mm x 85 mm) <b>Required Quantity: 50 Nos</b>							
<b>20.</b>	Surface Mount Box (85 mm x 85 mm x 40 mm)/ Open Box White colour <b>Required Quantity: 400 Nos</b>							
<b>21.</b>	1 meter Cat 6 Patch cable <b>Required Quantity: 300 Nos</b>							

... Contd.

**Signature & Seal of Vendor**

**PRICE BID FORMAT FOR INDIAN BIDDERS THOSE WHO ARE QUOTING IN INR**

**Tender No. & Date : CSG/TENDER/September2013/2013 07/09/2013**

S.No.	Description of Item	Unit (Set/No.)	Qty.	Rate / Qty. In Rs. (excluding of all taxes)	ED in %	VAT/CST in CST%	Service Tax in %	Total value in Rs. (inclusive of all taxes)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
<b>COPPER ACCESSORIES (Ethernet Cable and Accessories)</b>								
<b>[ Comply with the Category 6 standards TIA/EIA 568-B.2-1, ISO/IEC 11801:2002 and AS/NZS 3080:2002]</b>								
22.	2 meter Cat 6 Patch cable Required Quantity: 300 Nos							
23.	3 meter Cat 6 Patch cable Required Quantity: 200 Nos							
24.	5 meter Cat 6 Patch cable Required Quantity: 100 Nos							
25.	10 meter Cat 6 Patch cable Required Quantity: 50 Nos							
26.	24 Port CAT6 Patch Panel 1U Required Quantity: 20 Nos							
27.	48 Port CAT6 Patch Panel 2U Required Quantity: 10 Nos							
	Packing & Forwarding charges (extra, if any) in percentage (or) Lumpsum							
	FOR Despatching stations value in Rs.							
	Freight & Transit Insurance charges, extra, if any (Lumpsum of %)							
	Total all inclusive price delivered at NITT							

- The vendor will be selected those who are meeting the NITT's specification and the required quantity for this project. The unit price options are given above for arriving One year rate contract.

... Contd.

**Signature & Seal of Vendor**

## PRICE BID FORMAT FOR INDIAN BIDDERS THOSE WHO ARE QUOTING IN INR

Tender No. &amp; Date : CSG/TENDER/September2013/2013 07/09/2013

S.No.	Description of Item	Unit (Set/No.)	Qty.	Rate / Qty. In Rs. (excluding of all taxes)	ED in %	VAT/CST in CST%	Service Tax in %	Total value in Rs. (inclusive of all taxes)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
<b>PVC / PLASTIC / Polyethylene Accessories</b>								
28	Permanently Lubricated 1" HDPE Pipe with 4mm pre-installed nylon rope. <b>Required Quantity: 3000 Meter</b>							
28a.	500 Meters							
28b.	1000 Meters							
28c.	1500 Meters							
28d.	2000+ Meters							
29	<i>Warning Tape ( Polyethylene - 9" width and 40 Micron Thickness ) with bold printed Matter of 150 character ( Example: FOC is 1 Feet ahead. Contact: CSG – NITT -15. Intercom:3803/3819) per meter. Required Quantity: 5000 Meter</i>							
29a.	500 Meters							
29b.	1000 Meters							
29c.	1500 Meters							
29d.	2000+ Meters							
30	Plastic Coupler for 1" HDPE Pipe <b>Required Quantity: 100 Nos</b>							
31	Plastic End Cap for 1" HDPE Pipe <b>Required Quantity: 50 Nos</b>							
32	Cable Sealing Plug for 1" Pipe <b>Required Quantity: 100 Nos</b>							
	Packing & Forwarding charges (extra, if any) in percentage (or) Lumpsum							
	FOR Despatching stations value in Rs.							
	Freight & Transit Insurance charges, extra, if any (Lumpsum of %)							
	Total all inclusive price delivered at NITT							

- The vendor will be selected those who are meeting the NITT's specification and the required quantity for this project. The unit price options are given above for arriving One year rate contract.

... Contd.

Signature &amp; Seal of Vendor

**PRICE BID FORMAT FOR INDIAN BIDDERS THOSE WHO ARE QUOTING IN INR**

**Tender No. & Date : CSG/TENDER/September2013/2013 07/09/2013**

S.No.	Description of Item	Unit (Set/No.)	Qty.	Rate / Qty. In Rs. (excluding of all taxes)	ED in %	VAT/CST in CST%	Service Tax in %	Total value in Rs. (inclusive of all taxes)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
<b>RCC SEMI CIRCULAR SLAB / RCC ROUTE MARKERS</b>								
33	RCC Semi Circular Slab 6" width, 36" Length, 1" Thickness : <b>Required quantity : 5000 to 7000 no.</b>							
34	RCC Route Marker 12" breadth, 24" Height, 2" width with engrave "CSG/NITT- FOC" Route Marker <b>Required Quantity: 200 Nos</b>							
	Packing & Forwarding charges (extra, if any) in percentage (or) Lumpsum							
	FOR Despatching stations value in Rs.							
	Freight & Transit Insurance charges, extra, if any (Lumpsum of %)							
	Total all inclusive price delivered at NITT							

- The vendor will be selected those who are meeting the NITT's specification and the required quantity for this project. The unit price options are given above for arriving One year rate contract.

... Contd.

**Signature & Seal of Vendor**

**PRICE BID FORMAT FOR INDIAN BIDDERS THOSE WHO ARE QUOTING IN INR**

**Tender No. & Date : CSG/TENDER/September2013/2013 07/09/2013**

S.No.	Description of Item	Unit (Set/No.)	Qty.	Rate / Qty. In Rs. (excluding of all taxes)	ED in %	VAT/CST in CST%	Service Tax in %	Total value in Rs. (inclusive of all taxes)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
<b>RACK AND ACCESSORIES</b>								
35	Cable Manager / Horizontal Cable Organizer <b>Required Quantity: 200 Nos</b>							
36	<b>Height 6U Wall Mount Rack Cabinet</b> [ Two Sections] – Glass Door trims powder coated, (600mm x 600mm), AC Power Distribution, front panel mounting hardware. <b>Required Quantity: 10 Nos</b>							
37	<b>Height 9U Wall Mount Rack Cabinet</b> [ Two Sections] – Glass Door trims powder coated, (600mm x 600mm), AC Power Distribution, front panel mounting hardware. <b>Required Quantity: 30 Nos</b>							
38	<b>Height 12U Wall Mount Rack Cabinet</b> [ Two Sections] – Glass Door trims powder coated, (600mm x 600mm), AC Power Distribution, front panel mounting hardware. <b>Required Quantity: 5 Nos</b>							

- The vendor will be selected those who are meeting the NITT's specification and the required quantity for this project. The unit price options are given above for arriving One year rate contract.

... Contd.

**Signature & Seal of Vendor**

PRICE BID FORMAT FOR INDIAN BIDDERS THOSE WHO ARE QUOTING IN INR

Tender No. & Date : CSG/TENDER/September2013/2013 07/09/2013

S.No.	Description of Item	Unit (Set/No.)	Qty.	Rate / Qty. In Rs. (excluding of all taxes)	ED in %	VAT/CST in CST%	Service Tax in %	Total value in Rs. (inclusive of all taxes)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
<b>RACK AND ACCESSORIES</b>								
39	Height 15U Wall Mount Rack Cabinet [ Two Sections] – Glass Door trims powder coated, (600mm x 600mm), AC Power Distribution, front panel mounting hardware. <b>Required Quantity: 5 Nos</b>							
40	<b>Floor Standing Cabinets : Height 22U,</b> Width : 800mm, Depth : 1000mm, Front – Glass Door vented, Rear – Steel door vented, cooling fans, cable management accessories, AC mains channel, earth continuity kit, captive mounting hardware. <b>Required Quantity: 2 Nos</b>							
41	<b>Floor Standing Cabinets : Height 42U,</b> Width : 800mm, Depth : 1000mm, Front – Glass Door vented, Rear – Steel door vented, equipment support angles, cooling fans, cable management accessories, AC mains channel, earth continuity kit, captive mounting hardware. <b>Required Quantity: 1 Nos</b>							
	Packing & Forwarding charges (extra, if any) in percentage (or) Lumpsum							
	FOR Despatching stations value in Rs.							
	Freight & Transit Insurance charges, extra, if any (Lumpsum of %)							
	Total all inclusive price delivered at NITT							

- The vendor will be selected those who are meeting the NITT's specification and the required quantity for this project. The unit price options are given above for arriving One year rate contract.

... Contd.

**Signature & Seal of Vendor**

PRICE BID FORMAT FOR INDIAN BIDDERS THOSE WHO ARE QUOTING IN INR

Tender No. & Date : CSG/TENDER/September2013/2013 07/09/2013

S.No.	Description of Item	Unit (Set/No.)	Qty.	Rate / Qty. In Rs. (excluding of all taxes)	ED in %	VAT/CST in CST%	Service Tax in %	Total value in Rs. (inclusive of all taxes)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
<b>INSTALLATION / LABOUR [FIBER OPTIC CABLE LAYING]</b>								
1) Fiber Optic Cable, HDPE Pipe. Semi Circular Slab and Route Marker will be supplied by NITT. 2) The Awardee / contractor should register the names of labourers with the District Labour Welfare Office and the Awardee / contractor should file the documents related to labour laws (the form prescribed by the District Labour Officer) and fees / charges to be paid to District Labour Welfare Office is the responsibility of the Awardee / contractor. Photocopies of the relevant documents should be submitted before the commencing of work.								
42	<b>Labour charges:</b> <b>Digging of soft soil</b> (3 feet Depth and 1 feet width) and refilling of trenches <b>Fixing</b> of 6" width, 36" Length, 1" thickness of RCC Semi Circular Slab (after cable laying) <b>Laying of Warning Tape</b> (9" width) <b>Required Quantity:</b> <b>3000 Meter</b>							
43	<b>Digging of Hard soil</b> (3 feet Depth and 1 feet width) and refilling of trenches. <b>Fixing</b> of 6" width, 36" Length, 1" thickness of RCC Semi Circular Slab (after cable laying) <b>Laying of Warning Tape</b> (9" width) <b>Required Quantity:</b> <b>2000 meter</b>							
44	<b>HDPE Pipe Laying</b> <b>Required Quantity:</b> <b>5000 meter</b>							
45	<b>Fiber Cable Laying</b> (inserting the cable in HDPE pipe) <b>Required Quantity: 5000 Meter</b>							

.... Contd.

Signature & Seal of Vendor

**PRICE BID FORMAT FOR INDIAN BIDDERS THOSE WHO ARE QUOTING IN INR**

**Tender No. & Date : CSG/TENDER/September2013/2013 07/09/2013**

S.No.	Description of Item	Unit (Set/No.)	Qty.	Rate / Qty. In Rs. (excluding of all taxes)	ED in %	VAT/CST in CST%	Service Tax in %	Total value in Rs. (inclusive of all taxes)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
<b>INSTALLATION / LABOUR [FIBER OPTIC CABLE LAYING]</b>								
1) Fiber Optic Cable, HDPE Pipe. Semi Circular Slab and Route Marker will be supplied by NITT. 2) The Awardee / contractor should register the names of labourers with the District Labour Welfare Office and the Awardee / contractor should file the documents related to labour laws (the form prescribed by the District Labour Officer) and fees / charges to be paid to District Labour Welfare Office is the responsibility of the Awardee / contractor. Photocopies of the relevant documents should be submitted before the commencing of work.								
<b>46</b>	<b>Fixing of RCC Route Marker 12" breadth, 24" Height, 2" width with engrave "CSG/NITT-FOC" Route Marker (after cable laying) Required Quantity: 200 Nos</b>							
Total all inclusive price at NITT for Fiber Optic Cable Laying (Digging, laying..etc.)								

- The vendor will be selected those who are meeting the NITT's specification and the required quantity for this project. The unit price options are given above for arriving One year rate contract.

.... Contd.

**Signature & Seal of Vendor**

**PRICE BID FORMAT FOR INDIAN BIDDERS THOSE WHO ARE QUOTING IN INR**

**Tender No. & Date : CSG/TENDER/September2013/2013 07/09/2013**

S.No.	Description of Item	Unit (Set/No.)	Qty.	Rate / Qty. In Rs. (excluding of all taxes)	ED in %	VAT/CST in CST%	Service Tax in %	Total value in Rs. (inclusive of all taxes)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
<b>INSTALLATION / LABOUR [FIBER TERMINATION]</b>								
Connectors will be supplied by NITT, only Labor charge to be quoted								
<b>47. Termination (per fiber)</b>								
47a.	Splicing Fibers Required Quantity: 500 Nos							
47b.	Fixing LIUs Required Quantity: 50 Nos							
<b>48. Testing and Report (per link)</b>								
48a.	Required Quantity: 500 Core							
49.	Labelling & Documentation Required Quantity: 500 Core							
Total all inclusive price at NITT for Fiber Termination								

- The vendor will be selected those who are meeting the NITT's specification and the required quantity for this project. The unit price options are given above for arriving One year rate contract.

.... Contd.

**Signature & Seal of Vendor**

**PRICE BID FORMAT FOR INDIAN BIDDERS THOSE WHO ARE QUOTING IN INR**

**Tender No. & Date :** CSG/TENDER/September2013/2013 07/09/2013

S.No.	Description of Item	Unit (Set/No.)	Qty.	Rate / Qty. In Rs. (excluding of all taxes)	ED in %	VAT/CST in CST%	Service Tax in %	Total value in Rs. (inclusive of all taxes)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
<b>INSTALLATION / LABOUR [COPPER / ETHERNET INSTALLATION]</b>								
<b>50. Copper Installation</b>								
50a.	Service charges for structured cabling work per port (includes supplying and fixing of proper PVC channel, CAT 6 cable laying, SMB fixing, Patch Panel fixing, Wall mount rack fixing, termination of CAT 6 cable in IO + Patch panel and documentation) <u>Note:</u> A single network port (CAT 6 cable) may have a length of <b>5 meter to 25 meter.</b>							
50b.	Service charges for structured cabling work per port (includes supplying and fixing of proper PVC channel, CAT 6 cable laying, SMB fixing, Patch Panel fixing, Wall mount rack fixing, termination of CAT 6 cable in IO + Patch panel and documentation) <u>Note:</u> A single network port (CAT 6 cable) may have a length of <b>26 meter to 50 meter.</b>							

- The vendor will be selected those who are meeting the NITT's specification and the required quantity for this project. The unit price options are given above for arriving One year rate contract.

.... Contd.

**Signature & Seal of Vendor**

PRICE BID FORMAT FOR INDIAN BIDDERS THOSE WHO ARE QUOTING IN INR

Tender No. & Date : CSG/TENDER/September2013/2013 07/09/2013

S.No.	Description of Item	Unit (Set/No.)	Qty.	Rate / Qty. In Rs. (excluding of all taxes)	ED in %	VAT/CST in CST%	Service Tax in %	Total value in Rs. (inclusive of all taxes)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
<b>INSTALLATION / LABOUR [COPPER / ETHERNET INSTALLATION]</b>								
<b>50. Copper Installation</b>								
50c.	Service charges for structured cabling work per port (includes supplying and fixing of proper PVC channel, CAT 6 cable laying, SMB fixing, Patch Panel fixing, Wall mount rack fixing, termination of CAT 6 cable in IO + Patch panel and documentation) <u>Note:</u> A single network port (CAT 6 cable) may have a length of <b>51 meter to 75 meter.</b>							
50d.	Service charges for structured cabling work per port (includes supplying and fixing of proper PVC channel, CAT 6 cable laying, SMB fixing, Patch Panel fixing, Wall mount rack fixing, termination of CAT 6 cable in IO + Patch panel and documentation) <u>Note:</u> A single network port (CAT 6 cable) may have a length of <b>76 meter to 90 meter.</b>							
<b>Required Quantity(All Put together) : 500 Nos</b> (All the ports are not in single location and not at a stretch. Each location can have minimum 5 to 50 Nos. combined with all the 4 categories)								
Total all inclusive price at NITT for Copper Installation								

**Signature & Seal of Vendor**

The price bid should be submitted only as per the above format. No row shall be left blank. Please indicate NA, incase the item is “not applicable”. The price bid will be rejected if any column is left empty.

**SECTION : 5 CONTRACT FORM**

[ To be provided by the bidder in the business letter head ]

---

1. {Name of the Supplier’s Firm) hereby abide to deliver the .....by the delivery schedule mentioned in the Section 3 tender document for supply of the items if the purchase order is awarded.
2. The item will be supplied conforming to the specifications stated in the tender document without any defect and deviations.
3. Warranty will be given for the period mentioned in the tender document and service will be rendered to the satisfaction of NIT, Trichy during this period.
- 4 Two Onsite Engineers should be provided right from day one (Monday to Saturday from 9.00 am to 5.30pm)
5. 5% Stocking of WAP units to be maintained at NITT
6. The On-site Engineers salary will be on par with Central Government Wages Act.

**Signature of the Bidder** : .....

**Name and Designation** : .....

**Business Address** : .....  
.....  
.....

**Place :**

**Date :**

**Seal of the Bidder’s Firm**

**SECTION : 6 CONTRACT FORM**

**Bid Security /EMD Bank Guarantee [Specimen]**

**ANNEXURE - B**  
(Ref. Para 7.1 of Chapter 7)

**MODEL BANK GUARANTEE FORMAT FOR FURNISHING EMD**

Whereas .....  
(hereinafter called the "tenderer")  
has submitted their offer dated.....  
for the supply of .....  
(hereinafter called the "tender")  
against the purchaser's tender enquiry No. ....  
KNOW ALL MEN by these presents that WE .....  
of ..... having our registered office at .....  
are bound unto .....  
(hereinafter called the "Purchaser")  
in the sum of .....  
for which payment will and truly to be made to the said Purchaser, the Bank binds itself, its successors and assigns by these presents. Sealed with the Common Seal of the said Bank this..... day of .....20.....

**THE CONDITIONS OF THIS OBLIGATION ARE:**

- (1) If the tenderer withdraws or amends, impairs or derogates from the tender in any respect within the period of validity of this tender.
- (2) If the tenderer having been notified of the acceptance of his tender by the Purchaser during the period of its validity:-
  - a) If the tenderer fails to furnish the Performance Security for the due performance of the contract.
  - b) Fails or refuses to accept/execute the contract.

WE undertake to pay the Purchaser up to the above amount upon receipt of its first written demand, without the Purchaser having to substantiate its demand, provided that in its demand the Purchaser will note that the amount claimed by it is due to it owing to the occurrence of one or both the two conditions, specifying the occurred condition or conditions.

This guarantee will remain in force upto and including 45 days after the period of tender validity and any demand in respect thereof should reach the Bank not later than the above date.

.....  
(Signature of the authorized officer of the Bank)

.....  
Name and designation of the officer

.....  
Seal, name & address of the Bank and address of the Branch

## NIT-T'S COPY (To be filled in and submitted by the bidder)

Last Date for receipt of tender at NIT-T : 14/10/2013 at 3.30 p.m.  
 Opening Date : 14/10/2013 at 4.00 p.m.

### CHECKLIST TO BE FILLED IN BY BIDDER

(Please make sure that these pages are filled and send duly signed)

List of documents to be enclosed	Completed & Signed
1. Duly filled & signed Terms and conditions of the Tender & Details of the Firm offering this Quote, Declaration	YES / NO
2. Duly Filled & signed forms of Schedule of requirements [Technical Specifications] and Allied Details	YES / NO
3. Duly Filled in signed Price Schedule & Price Bid Formats	YES / NO
4. Duly Filled in signed Contract Form	YES / NO
5. Other technical specifications & pamphlets	YES / NO

**SEAL OF THE BIDDER**

**SIGNATURE WITH DATE**

### FOR NIT-T USE ONLY

Name of the Vendor Address (Location):	
1. Duly filled & signed Terms and conditions of the Tender & Details of the Firm offering this Quote, Declaration	YES / NO
2. Duly Filled & signed forms of Schedule of requirements [Technical Specifications] and Allied Details	YES / NO
3. Duly Filled in signed Price Schedule & Price Bid Formats	YES / NO
4. Duly Filled in signed Contract Form	YES / NO
5. Other technical specifications & pamphlets	YES / NO [in a separate sealed cover]
6. No. of enclosures	
7. Status of tender	Accepted for evaluation / Rejected
	DY. REGISTRAR (A/cs.)