

# **NOTICE INVITING TENDER**

**For**

**SUPPLY, INSTALLATION & TERMINATION OF LAN FOR UTP & FIBER CABLING  
ON  
RATE CONTRACT BASIS**

**(Excluding supply of I/O, Wall Mount box, Rack with accessories & UTP cable)**

**Tender No : G-16014(11)/1/2013-GEN/88283**

**Date : 17<sup>th</sup> September, 2013**

**Government of West Bengal  
Office of the District Magistrate  
District e-Governance Society  
New Administrative Building  
R. B. Sarani, Barasat  
North 24 Parganas  
Kolkata-124**

**Government of West Bengal  
Office of the District Magistrate  
District eGovernance Society  
New Administrative Building  
North 24 Parganas**

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Properly sealed tenders (Packing PVC tape/Sealing wax) are invited from Kolkata based reputed Vendor/Agencies having similar experience for **"SUPPLY, INSTALLATION & TERMINATION OF LAN FOR UTP & FIBER CABLING ON RATE CONTRACT BASIS (Excluding supply of I/O, Wall Mount box, Rack with accessories & UTP cable)"** on as and when requirement basis on two part system.

1. **Validity of contract** : Initially for 24 Months from the date of award of work and may be extended to another period of 12 months subject to mutual consent of both parties.
2. **Tender document & Fee** : Tender document is available on website <http://north24parganas.gov.in>. Interested bidders are requested get print from the website and submit the tender document along with the non-refundable cost of the document in the form of demand draft of Rs.1000/- (Rupees One Thousand only) of any Nationalised Bank.
3. **EMD/Security Deposit** : EMD of Rs.10000/- through DD of any Nationalized Bank in favour of 'District eGovernance Society, North 24 Parganas' payable at Kolkata that is refundable after selection of bidder whereas the SD 10% of the tender value/bill amount has to be produced by the successful tenderer/bidder through Bank Guarantee of any Nationalized Bank in favour of "District eGovernance Society, North 24 Parganas" for the entire period of warranty.
4. **Date of submission** : Till 1500 Hrs of 27-09-2013
5. **Date of opening** : 1530 Hrs of 27-09-2013
6. **Date of Pre-Bid Meeting** : A pre-bid session is fixed on 24.09.2013 at 03.00 PM for any clarification either Technical or financial matter against this NIT in the NIC, VC room, North 24 Parganas.
7. **Site Visit** : Before submitting their Tender the interested vender/agencies are requested to visit the site at Collectorate campus, North 24 Parganas where the LAN cabling work is to be carried out. The site can be inspected on all working day from 10:00 AM to 5:00 PM except on holidays.
8. **Contact person** : Mr. Naved Akhter, WBCS(Exe), Officer-in-Charge, IT & Member, DeGS, North 24 Parganas, Phone : 033-25846220, e-mail : naved.nprg@nic.in

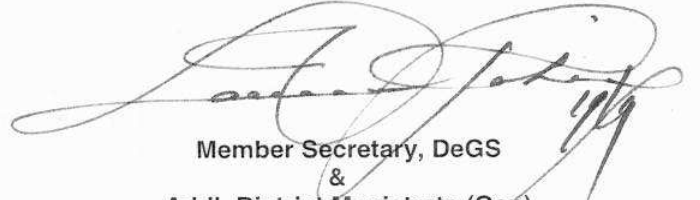
  
**Chairman, DeGS  
&  
District Magistrate  
North 24 Parganas**

No. G-16014(11)/1/2013-GEN/88283(7)

Date : 17<sup>th</sup> September, 2013

Copy forwarded for information and wide circulation to:-

1. The AEO, Zilla Parishad, Zilla Parishad, North 24 Parganas.
2. The DL&LRO, North 24 Parganas
3. The DIO, NIC to host in the district website '<http://north24parganas.gov.in>'.
4. The CA to the DM, North 24 Parganas
5. The CA to the ADM(G), North 24 Parganas
6. The CA to the ADM(T), North 24 Parganas
7. Notice Board of Nezarath Section.



Member Secretary, DeGS  
&  
Addl. District Magistrate (Gen)  
North 24 Parganas

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# TENDER DOCUMENT

(NIT No. G-16014(11)/1/2013-GEN/88283 Date : 17<sup>th</sup> September, 2013)

## 1. Introduction

1.1 District eGovernance Society, North 24 Parganas (hereinafter referred to as DeGS-N24P) is a registered society within the framework of Collectorate, North 24 Parganas, GoWB and responsible for carry out all activities in respect of IT/ICT related issues, has its Office located at First Floor, New Administrative Building, RB Sarani, Barasat, Kolkata-124 has set up Local Area Network (LAN) in the entire Collectorate campus. The inter building connectivity is on fibre and the nodes on floor/building are connected through structured cabling using UTP cables and Cisco catalyst switches. The LAN is used to provide network access to various PCs, printers, servers and other IT devices installed at various building and floors of Collectorate. Presently NIC, North 24 Parganas is managing the facility management for LAN network. DeGS-N24P is now invites offers from eligible vendors/Agencies to provide LAN passive equipment, service for LAN cabling, LAN points etc as and when required basis.

## 2. Eligibility Criteria

- 2.1 The Vendor/Agencies may be a company or proprietary firm. (Please furnish documentary evidence.)
- 2.2 Vendor/Agencies to produce up to date photocopies of VAT, Service Tax, PAN card. All such clearance certificates shall remain valid on the date of submission of tender and through the period of continuation of work.
- 2.3 The Vendor/Agencies shall submit Bank Solvency certificate for at least of Rs.5 Lacs (Rupees Five Lacs).
- 2.4 The Vendor/Agencies should be preferable of the area of greater Kolkata and having experience in the similar field in any department/organisation/PSU of Central/State Government (documentary evidence to be produced).
- 2.5 Vendor/Agencies should submit Earnest Money Deposit (EMD) of Rs. 10000.00 (Rupees Ten Thousand only) in the form of Demand Draft from any Scheduled Bank in favour of '**District e-Governance Society, North 24 Parganas**' payable at Kolkata

## 3. Scope of Work

- 3.1 DeGS-N24P has deployed LAN infrastructure at the Collectorate campus spanning in Collectorate, Zilla Parishad and all annexed buildings. The core switch, floor switch along with riser is managed by NIC, District Centre. Accordingly, the IP maintenance, switch configuration and management are managed by them. DeGS-N24P wants the access part (about 500 PCs are connected on LAN) i.e., additional LAN distribution from each floor jack panel, installation of additional jack panel if required till wall I/O including the patch cable will be provided by the selected vendor.
- 3.2 All the buildings in the Collectorate campus are provided with structured cabling with UTP Cat6 backbone whereas the inter building are connected through structured cabling with Optical Fibre Cable. The selected vendor is required to provide cabling services (like UTP & OFC cable laying and installation of LAN passive components) as and when required by deputing persons to do the cabling jobs.
- 3.3 The Collectorate building is provided with structured LAN cabling. The selected vendor is required to provide cabling services (like cable laying and installation of LAN passive components) as and when required by deputing persons to do the cabling jobs. The average estimated work shall be within the range of INR 1.00 to 2.00 Lac per annum.

### 3.3.1 LAN management services

- 3.3.1.1 Provision of Cabling (structured) when new users are added to the existing network or shifting of users to new areas within the building. The Collectorate/DeGS-N24P official will call the vendor's office about the LAN requirement. The vendor will accordingly, visit the site to assess the requirement. DeGS-N24P will place the order

to carry out the job. The order may be either through formal purchase order or through e-mail. DeGS-N24P will pay for the material used like cables, connectors, patch panels, racks, I/O ports etc., and also will pay the cable laying charges separately as per the actual. DeGS-N24P will not pay any additional call charges for carrying out the job.

3.3.1.2 Maintenance of the existing LAN passive equipments (patch panel, jack panel, I/Os, patch cord, UTP cable).

#### **4. Cost of NIT Document & Bid Security**

4.1 The Tender document is available on the district portal of Collectorate, North 24 Parganas <http://north24parganas.gov.in>. Vendors can download the NIT and use it for submission. However, the cost of the NIT i.e., Rs.1000/- (non-refundable) should be paid by way of Demand Draft / Pay Order drawn in favour of 'District eGovernance Society, North 24 Parganas' payable at Kolkata, while submitting the tender. The envelope should be duly super scribed as "Cost of tender document Rs.1000/- paid through Demand Draft /Pay Order". Non-submission of tender cost will summarily reject the bid submitted.

4.2 The Vendor shall furnish EMD(bid security) amount of Rs.10000/- (Rupees Ten thousand only) in the form of a demand draft / Pay order drawn in favour of 'District eGovernance Society, North 24 Parganas' payable at Kolkata.

4.3 The bid security should form part of the Tender Documents (Technical Offer) submitted by the Vendor. Failure to comply with this condition viz., Bid Security of Rs.10000/- shall result in summarily rejection of the tender offer and no Vendor shall be exempted from the requirement of the bid security. Submission of the Bid Security in the Indicative commercial offer shall render the bid being rejected on the grounds of non-submission of the bid security.

4.4 The Bid Security of unsuccessful Vendors shall be returned, only after the successful completion of the tender process.

4.5 The bid security of successful Vendor will be retained till the rate contract period is over. However, the bid security can be released against submission of Performance Bank Guarantee (format will be given to successful vendor) for equivalent amount valid for rate contract period.

4.6 Forfeiture of bid security:

4.6.1 If a Vendor withdraws his offer during the period of validity of bid.

4.6.2 If the successful Vendor fails to accept and execute purchase orders during contract period.

4.6.3 If the successful vendor fails to execute the job assigned within the time given by the DeGS-N24P.

4.6.4 The DeGS-N24P's decision in the above cases will be final.

#### **5. Terms of execution of work**

5.1 When required, the vendor will deploy manpower for providing structured cabling connectivity on different floors /building of the Collectorate by laying UTP Cat6/Cat6a cables, connectors, IO ports, patch panels, racks and other passive network components as per the LAN layout plan of the DeGS-N24P. As part of cable laying, if required, the vendor has to arrange for cutting the floor for laying cables and for patching the floor openings.

5.2 The successful vendor is required to work in coordination with the other contractors like electrical contractors for laying of cables etc.

5.3 The vendor will provide one-year warranty for the structured cabling done along with labelling and documentation.

#### **6. Quality of components**

6.1 During the contract period, vendor should supply all materials as mentioned in Bill of material confirming to quality standards i.e., Optical Fibre Cable, OFC Patch Cords etc., similarly, the conduits etc. should be ISI certified.

## 7. Two Part Offer

7.1 The offer will be in two parts; Technical & Commercial. Both the parts must be submitted at the same time but in separate sealed covers, giving full particulars, addressed to the Chairman, DeGS-N24P, First Floor, New Administrative Building, RB Sarani, Barasat, Kolkata-124 and duly super-scribed " Technical Offer for Rate Contract LAN Passive components" and "Commercial Offer in response Rate Contract LAN Passive components" on or before 27.09.2013 before 3.00 p.m.

### 7.2 Technical Offer (TO)

7.2.1 The Technical offer (TO) should be complete in all respects and contain all information asked for in this document. It should not contain any price information. However TO should confirm that all required rates have been quoted in Commercial Offer (CO), without showing the actual amounts in the TO.

7.2.2 It is mandatory to submit compliance to all the points in the prescribed pro-forma (Annexure-B) duly filled in, along with your offer. In case of non-submission or partial submission of Annexure-B, DeGS-N24P reserves right not to evaluate the offer.

7.2.3 The TO should comprise of following:

7.2.3.1 Covering letter on the prescribed format as per Annexure-A.

7.2.3.2 Compliance Sheet for acceptance of terms and conditions duly filled in and signed as per Annexure-B.

7.2.3.3 Un-priced commercial offer (Annexure-C) which should not disclose any price details.

7.2.3.4 All annexure should be submitted duly signed with seal of the company.

7.2.3.5 Documentation, if any, should be filed separately.

7.2.3.6 Photocopies of relevant documents / certificates as proof in support of various information submitted in aforesaid annexure and other claims made by the vendor. These should be filed separately and properly indexed for easy reference.

7.2.3.7 Separate Demand draft / Pay orders in favour of 'District eGovernance Society, North 24 Parganas' payable at Kolkata towards Tender cost and EMD amount as specified.

7.2.3.8 Duly field in TENDERER'S PROFILE as per Annexure-F

### 7.3 Commercial Offer (CO)

7.3.1 The Commercial Offer (CO) will give all relevant price information and will quote prices only in Indian Rupees. The CO should not contradict the TO in any manner. The CO should comprise of Bill of Material as per Annexure-D. This must contain all price information.

## 8. Offer Validity Period

8.1 The offer should remain valid for a period of at least two years from the date of the offer and may be extended to another period of 12 months subject to mutual consent of both parties.

## 9. Erasures or Alterations

9.1 Technical details and commercial quotes must be completely filled up. The corrections or alterations, if any should be authenticated. In the case of the corrections/alteration not properly authenticated, the offer will be liable for rejection.

## 10. Price Composition

10.1 The price quoted should be only in Indian rupees and inclusive of following.

10.1.1 Rate contract base prices, taxes (including sales tax, service tax, VAT etc., duties and levies excepting octroi, which will be at actual) thereof against each components viz. Cables, I/O points etc. as per Bill of material.

10.1.2 The vendors should quote prices strictly as per the price composition stated above failing which the offers are likely to be rejected.

## **11. No Price Variations**

11.1 The rates shall be on a fixed price basis valid for three years. No upward revision in the price would be considered on account of subsequent increases in customs duty, excise tax, sales tax during the offer validity period. However, if there is any reduction on account of government levies, during the offer validity period, the same shall be passed on to the DeGS-N24P. The rate contract for the passive components and services will be reviewed on yearly basis.

11.2 However during contract period, the increase or decrease in service taxes will be to the DeGS-N24P's account.

## **12. Bid Opening**

12.1 Technical Offers will be opened as per the schedule given. The representative of the vendor can be present for the opening of the bids. No separate intimation will be given in this regard to the vendors, for deputing their representatives. Commercial bids of technically qualified vendors will only be opened after technical evaluation.

## **13. Evaluation Process**

13.1 Offers will be evaluated based on eligibility criteria at first instance. Thereafter, further evaluation of only eligible vendors will be carried out based on information submitted by the vendors, which have to be in conformity with tender stipulations. Incomplete offers or offers not complying with the stipulated requirements will be rejected summarily.

13.2 The details of bill of material are given in Annexure-C. The quantity of material is given on the basis of expected requirement during the year. But the requirement may vary depending on actual job that would be carried out from time to time. Therefore, the quantity of the material and services as per Annexure C can not be considered as the minimum quantity that DeGS-N24P would procure. The quantity of material is taken to arrive at Total cost of Operation (TCO).

13.3 DeGS-N24P reserves the right to reject offer in any of the following circumstances:

13.3.1 If offer is incomplete and/or not accompanied by all stipulated documents

13.3.2 If the offer is not in conformity with the terms and conditions stipulated in this document and letter as per Annexure A is not submitted.

13.3.3 If compliance sheet as per Annexure-B is not filled up completely or if there are deviations.

## **14. No Commitment to Accept Lowest or Any Tender.**

14.1 The DeGS-N24P shall be under no obligation to accept the lowest or any other offer received in response to this notice and shall be entitled to reject any or all offers without assigning any reason whatsoever.

## **15. Right to Alter Quantities**

15.1 The payment of passive components, PVC casing, laying charges etc., will be paid as per actual usage of material. The material will be ordered from time to time depending upon the requirement and vendor has to supply the material at the cost agreed through this tender process. The prices will be valid for a period of 2 year from the date of issue of Purchase order. But the prices will be reviewed on yearly basis.

## **16. Payment Terms**

16.1 The terms of payment for network components and services will be as follows:

16.1.1 No advance payment against purchase order.

16.1.2 The cost of cabling jobs will be paid separately on completion of each job. No advance will be paid for procurement of material etc.



16.1.3 However, any increase or decrease of service tax will be to the DeGS-N24P's account.

16.1.4 All complaints shall be attended to on-site within 24 hours, failure to comply will attract penalty as decided by the DeGS.

## 17. Order Cancellation

17.1 DeGS-N24P reserves right to cancel the order in the event of unsatisfactory services. DeGS-N24P will review the services on quarterly basis and if it is found unsatisfactory, DeGS-N24P may cancel the order forthwith.

## 18. Warranty

18.1 The material must include comprehensive on-site warranty of one year from the date of installation and commissioning of the cables, components etc.

## 19. Resolution of Disputes

19.1 All disputes and differences of any kind, whatsoever, between the Supplier and the DeGS-N24P, arising out of or in relation to the construction, meaning, operation or effect of the Contract, shall be settled amicably by both DeGS-N24P and the vendor. If after thirty days from the commencement of such informal negotiations, DeGS-N24P and the vendor are unable to resolve amicably a contract dispute; either party may require that the dispute be referred for resolution by formal arbitration.

19.2 All questions, disputes or differences arising under and out of, or in connection with the contract, shall be referred to two Arbitrators: one Arbitrator to be nominated by the DeGS-N24P and the other to be nominated by the vendor. In the case of the said Arbitrators not agreeing, then the matter will be referred to an umpire to be appointed by the Arbitrators in writing before proceeding with the reference. The award of the Arbitrators, and in the event of their not agreeing, the award of the Umpire appointed by them shall be final and binding on the parties. The Arbitration and Conciliation Act, 1996, shall apply to the Arbitration proceedings and the venue for arbitration shall be at Kolkata, India. In case the vendor would like to exit the project, the same shall be taken up by the Arbitration process.

## 20. Contact Person

In case of any query related to the NIT, please contact our official. Details are given below:

**Mr. Naved Akhter, WBCS(Exe)**  
**Officer-in-Charge, IT & Member, DeGS**  
**North 24 Parganas**  
**Phone : 033-25846220**  
**e-mail : naved.nprg@nic.in**

## 21. Note

21.1 TCO must be quoted in WORDS AND FIGURES.

21.2 Please note that all the above line items in the Bill of Material are mandatory to quote. Non-quoting of any of the items may result in disqualification of the bid. In case of any discrepancy, unit prices quoted in figures will be considered for computation of TCO.

21.3 The quantity of material is given on the basis of expected requirement during the year. But the requirement may vary depending on actual job that would be carried out from time to time. Therefore, the quantity of the material and services can not be considered as the minimum quantity that DeGS-N24P would procure. The quantity of material is taken to arrive at Total cost of Operation (TCO).

21.4 Cost comparison will be on the basis of total cost of ownership (TCO) calculated as explained above.

21.5 The material will be ordered and the cost will be paid as per actual usage.

(Letter to the DeGS-N24P on the vendor's letterhead)

To

The Chairman  
District eGovernance Society  
First Floor, New Administrative Building  
RB Sarani, Barasat, Kolkata-124

Sub: Tender for Rate contract for LAN passive components & Services for Collectorate LAN

Sir,

With reference to the above tender, having examined and understood the instructions, terms and conditions, we hereby enclose our offer for rate contract for LAN passive components and services for existing LAN of Collectorate, North 24 Parganas as detailed in your above referred tender.

We further confirm that the offer is in conformity with the terms and conditions as mentioned in the tender. We also confirm that the offer shall remain valid for two years from the date of the offer. We hereby undertake that the components to be delivered to the DeGS-N24P will be brand new including all components legally obtained as per the specification mentioned in annexure-E. The compliance sheet (as per Annexure-B), Unpriced commercial bid (Annexure-C), Tenderer's Profile (Annexure-F) and commercial bid (Annexure D) are duly filled in and signed are enclosed.

We understand that the DeGS-N24P is not bound to accept the offer either in part or in full and that the DeGS-N24P has right to reject the offer in full or in part without assigning any reasons whatsoever.

Yours faithfully,

Read, understood & complied with  
Signature of the Tendered

Date:

**COMPLIANCE SHEET**

<b>Sl. No.</b>	<b>Reference and Description</b>	<b>Your Response (Convey your acceptance/compliance against each item and furnish information/details wherever required).</b>	<b>Response</b>
1	Whether submitted the filled in TENDERER'S PROFILE as the format of Annexure-'E' ?	Yes / NO	
2	Whether submitted the documentary evidence of turnover for the last financial year ?	Yes / NO	
3	Whether submitted the documentary evidence for Experience in cabling/LAN maintenance contract ?	Yes / NO	
4	Acceptance to the scope of work defined	Yes / NO	
5	Acceptance to terms of execution of work	Yes / NO	
6	Acceptance to the quality specifications mentioned	Yes / NO	
7	Acceptance to two part tender	Yes / NO	
8	Acceptance to offer validity period of two years.	Yes / NO	
09	Acceptance to Erasure and alteration clause.	Yes / NO	
10	Acceptance to the price composition	Yes / NO	
11	Acceptance to the no price variation clause.	Yes / NO	
12	Acceptance to Evaluation process clause.	Yes / NO	
13	Acceptance to No commitment to Accept. Lowest or any tender.	Yes / NO	
14	Acceptance for Payment terms	Yes / NO	
15	Acceptance for Order cancellation clause.	Yes / NO	
16	Acceptance to warranty clause	Yes / NO	
17	Resolution of Disputes	Yes / NO	
18	Acceptance of penalty clause 16.1.4	Yes / NO	

Read, understood & complied with  
Signature of the Tendered

Date:

**UNPRICED COMMERCIAL BID**

(For Supply/Installation of passive LAN Components Only)

**Supply & Installation of Passive LAN components as per the list of Table-B of Annexure-D**

Sl. No.	Description of Work	Unit	Make	Model	Vender Compliance (Y/N)
01	Supply of ISI marked PVC duct of size.				
	a   15x15 mm				
	b   30x25 mm				
02	Supply of ISI marked PVC duct of Outside Diameter size [Per Meter].				
	a   20 mm				
	b   32 mm				
	c   40 mm				
	d   60 mm				
03	Supply of GI pipe of ISI Marked				
	a   1 inch diameter				
	b   1.5 inch diameter				
04	PVC insulated 1100 V grade as per IS:1554 FRLS stranded single core copper conductor/wire.				
	a   1.5 Sq. mm				
	b   1.0 Sq. mm				
05	Power DB of size 6"x8" of wooden make with Bakelite top having ISI marked 2x 5-6/15 Amp combo sockets with piano type switches.	Per Unit			
06	Fiber Optic outdoor armoured cable, multi loose tube Single Mode (SM).				
	a   6 core				
	b   12 core				
	c   24 core				
	d   48 core				
07	Optical Fiber pigtails SC type, 1 meter length	Per Unit			
08	Optical Fiber pigtails LC type, 1 meter length	Per Unit			
09	Optical Fiber Patch Cord, SM, SC-SC type.				
	a   Length – 3 Meters				
	b   Length – 10 Meters				
	c   Length – 20 Meters				
10	Optical Fiber Patch Cord, SM, LC-LC type.				
	a   Length – 3 Meters				
	b   Length – 10 Meters				
	c   Length – 20 Meters				
11	Optical Fiber Patch Cord, SM, SC-LC type	Per Unit			
	a   Length – 3 Meters				
	b   Length – 10 Meters				
	c   Length – 20 Meters				
12	Optical Fiber Patch Cord, SM, SC-SC type. (Duplex)				
	a   Length – 3 Meters				
	b   Length – 10 Meters				
13	Optical Fiber Patch Cord, SM, LC-LC type (Duplex).				
	a   Length – 3 Meters				
	b   Length – 10 Meters				
14	Optical Fiber Patch Cord, SM, SC-LC type (Duplex)	Per Unit			
	a   Length – 3 Meters				
	b   Length – 10 Meters				
15	LIU, 12 Fiber, Wall mount enclosure, lockable.	Per Unit			
16	LIU, 24 Fiber, Wall mount enclosure, lockable.	Per Unit			
17	LIU, 12 Fiber, 1U Drawer style 19" Rack Mount enclosure, lockable.	Per Unit			
18	LIU, 24 Fiber, 1U Drawer style 19" Rack Mount enclosure, lockable.	Per Unit			
19	OFC Joint Enclosure				
	a   For 12 core OFC				
	b   For 24 core OFC				
20	OFC Route Marker	Per Unit			
21	Media Converter for 10/100BASE-T to 100BASE-FX media conversion	Per Unit			
22	Media converter Chassis	Per Unit			
23	Fast Ethernet Line Card Module	Per Unit			
24	Gigabit Ethernet Line Card Module	Per Unit			

## PRICED COMMERCIAL BID

Table-A. Installation &amp; Termination of Passive LAN components

Sl. No.	Description of Work	Unit	Unit Price (INC)	Service Tax		Total
				%	Value	
01	In building laying of UTP/STP CAT6A/CAT6 cable.	Per Meter				
02	Installation & Termination of Information Outlets [including termination of UTP/STP cable on I/O].	Per Port				
03	Installation & Termination of UTP/STP CAT6A/CAT6 cable on Patch Panel CAT6/CAT6A with wire Manager.	Per Port				
04	Installation of ISI marked PVC duct of size.					
	a   15x15 mm	Per Meter				
	b   30x25 mm	Per Meter				
05	Installation of ISI marked PVC duct of Outside Diameter size [Per Meter].					
	a   20 mm	Per Meter				
	b   32 mm	Per Meter				
	c   40 mm	Per Meter				
	d   60 mm	Per Meter				
06	Installation of 19" Wall Mount Rack of 530 mm depth with following height.					
	a   6U	Per Unit				
	b   9U	Per Unit				
	c   15U	Per Unit				
07	In-building laying of Optical Fiber in duct /conduit.	Per Meter				
08	Outdoor laying of Optical Fiber Cable(overhead)	Per Meter				
09	Excavation and resurfacing of Soil of one meter depth.	Per Meter				
10	Excavation and resurfacing of concrete of one meter depth.	Per Meter				
11	Trenchless digging with Machine (HDD Method) for excavation under public road or campus.	Per Meter				
12	Installation of GI pipe under ground and on surface					
	a   1 inch diameter	Per Meter				
	b   1.5 inch diameter	Per Meter				
13	Construction and dressing of manhole along with steel angle structured cover	Per Cubic Meter				
14	Pulling of fibre in PVC Duct	Per Meter				
15	OFC splicing with fusion method	Per Unit				

Table-B. Supply/Installation &amp; Termination of passive LAN Components

Sl. No.	Description of Work	Unit	Unit Price (INC)	VAT		Total
				%	Value	
01	Supply of ISI marked PVC duct of size.					
	a   15x15 mm	Per Meter				
	b   30x25 mm	Per Meter				
02	Supply of ISI marked PVC duct of Outside Diameter size [Per Meter].					
	a   20 mm	Per Meter				
	b   32 mm	Per Meter				
	c   40 mm	Per Meter				
	d   60 mm	Per Meter				
03	Supply of GI pipe of ISI Marked					
	a   1 inch diameter	Per Meter				
	b   1.5 inch diameter	Per Meter				
04	PVC insulated 1100 V grade as per IS:1554 FRLS stranded single core copper conductor/wire.					
	a   1.5 Sq. mm	Per Meter				
	b   1.0 Sq. mm	Per Meter				
05	Power DB of size 6"x8" of wooden make with Bakelite top having ISI marked 2x 5-6/15 Amp combo sockets with piano type switches.	Per Unit				
06	Fiber Optic outdoor armoured cable, multi loose tube Single Mode (SM).					
	a   6 core	Per Meter				
	b   12 core	Per Meter				
	c   24 core	Per Meter				
	d   48 core	Per Meter				
07	Optical Fiber pigtails SC type, 1 meter length	Per Unit				
08	Optical Fiber pigtails LC type, 1 meter length	Per Unit				
09	Optical Fiber Patch Cord, SM, SC-SC type.					
	a   Length – 3 Meters	Per Unit				
	b   Length – 10 Meters	Per Unit				
	c   Length – 20 Meters	Per Unit				
10	Optical Fiber Patch Cord, SM, LC-LC type.					
	a   Length – 3 Meters	Per Unit				
	b   Length – 10 Meters	Per Unit				
	c   Length – 20 Meters	Per Unit				
11	Optical Fiber Patch Cord, SM, SC-LC type	Per Unit				
	a   Length – 3 Meters	Per Unit				
	b   Length – 10 Meters	Per Unit				
	c   Length – 20 Meters	Per Unit				
12	Optical Fiber Patch Cord, SM, SC-SC type. (Duplex)					
	a   Length – 3 Meters	Per Unit				
	b   Length – 10 Meters	Per Unit				
13	Optical Fiber Patch Cord, SM, LC-LC type (Duplex).					
	a   Length – 3 Meters	Per Unit				
	b   Length – 10 Meters	Per Unit				
14	Optical Fiber Patch Cord, SM, SC-LC type (Duplex)	Per Unit				
	a   Length – 3 Meters	Per Unit				
	b   Length – 10 Meters	Per Unit				
15	LIU, 12 Fiber, Wall mount enclosure, lockable.	Per Unit				
16	LIU, 24 Fiber, Wall mount enclosure, lockable.	Per Unit				
17	LIU, 12 Fiber, 1U Drawer style 19" Rack Mount enclosure, lockable.	Per Unit				
18	LIU, 24 Fiber, 1U Drawer style 19" Rack Mount enclosure, lockable.	Per Unit				
19	OFC Joint Enclosure					
	a   For 12 core OFC	Per Unit				
	b   For 24 core OFC	Per Unit				
20	OFC Route Marker	Per Unit				
21	Media Converter for 10/100BASE-T to 100BASE-FX media conversion	Per Unit				
22	Media converter Chassis	Per Unit				
23	Fast Ethernet Line Card Module	Per Unit				
24	Gigabit Ethernet Line Card Module	Per Unit				

Price of cabling & other passive components (Rate contract)

Note: The terms and conditions will be as per 23.1 to 23.5

Read, understood & complied with  
Signature of the Tendered

Date:

**TECHNICAL SPECIFICATIONS FOR FIBER COMPONENTS**

(As per the list of Table-B)

Sl. No.	Name items	Specifications
06	Fiber Optic outdoor armoured cable, multi loose tube Single Mode (SM).	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 tubes, armoring with acrylic coated good quality steel tape, with FRP strength member, water proof tape, double layer of HDPE jacket, should confirm or exceed the EIA/TIA 455, EIA/TIA 568, ISO 11801 & ICEA-640 standards for Fiber and cable performance specifications. UL/ETL *R Listed for safety.
07	Optical Fiber pigtails SC type, 1 meter length	Pigtails SC type, compatible with fusion or mechanical splices, Field mountable with required accessories & consumables, UL/ETL *R Listed & verified required for terminating 9.2/125 micron SM Fiber.
08	Optical Fiber pigtails LC type, 1 meter length	Pigtails LC type, compatible with fusion or mechanical splices, Field mountable with required accessories & consumables, UL/ETL *R Listed & verified required for terminating 9.2/125 micron SM Fiber.
09 & 12	Optical Fiber Patch Cord, SM, SC-SC type.	Duplex, 9.2/125 micron SM Fiber, SC connector at both end, length as below with factory mount ceramic connector at both end UL/ETL *R Listed & verified
10 & 13	Optical Fiber Patch Cord, SM, LC-LC type.	Duplex, 9.2/125 micron SM Fiber, LC connector at both end, length as below with factory mount ceramic connector at both end UL/ETL *R Listed & verified
11 & 14	Optical Fiber Patch Cord, SM, SC-LC, OM-3 type	Duplex, 9.2/125 micron SM Fiber, SC connector at one end and LC connector on other end, length as below with factory mount ceramic connector at both end UL/ETL *R Listed & verified.
15	LIU, 12 Fiber, Wall mount enclosure, lockable.	Loaded with SC/LC couplers for 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.
16	LIU, 24 Fiber, Wall mount enclosure, lockable.	Loaded with SC/LC couplers for 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.
17	LIU, 12 Fiber, 1U Drawer style 19" Rack Mount enclosure, lockable.	Loaded with SC/LC couplers & adaptor plates for 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.
18	LIU, 24 Fiber, 1U Drawer style 19" Rack Mount enclosure, lockable.	Loaded with SC/LC couplers & adaptor plates for 24 fibers 9.2/125 micron SM, 19" rack mountable metallic distribution enclosure 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.
21	Media Converter for 10/100BASE-T to 100BASE-FX media conversion	Single channel stand-alone Long haul media converter for 10/100BASE-T to 100BASE-FX media conversion through SC type connector for fibre (SM,MM & Single Fibre support), Auto MDI-I/MDI-X copper Ethernet port with DIP switch, Link, Activity & Speed LED indications, LFP (Link Fault Pass through) allows the fibre failure to be propagated to the copper port and in-built AC power Supply.
22	Media converter Chassis	Rack Mountable Media Converter Chassis supports with Hot Swappable 13 Line Cards module either Fast Ethernet or Gigabit Ethernet with redundant AC power supply.
23	Fast Ethernet Line Card Module	Fast Ethernet Line Card/Module – 2x10/100BASE-T with RJ-45 connector, 2x100BASE-X with SC Connector, LH, LED Indications for Link/Activity, Speed & Power supply status and supports SM(duplex) & single fibre option with 9.2/125 micron graded.
24	Gigabit Ethernet Line Card Module	Gigabit Ethernet Line Card/Module - 1000BASE-T with RJ-45 connector, 2x1000BASE-X with SC Connector, LH, LED Indications for Link/Activity, Speed & Power supply status and supports SM(duplex) & single fibre option with 9.2/125 micron graded.

Read, understood & complied with  
Signature of the Tendered

Date:

### TENDERER'S PROFILE

- 1. Name of the Tenderer/firm (In Block Letters) \_\_\_\_\_
- 2. Name of the person submitting the tender Shri/Smt. \_\_\_\_\_ (In case of Proprietary/ Partnership firms, the tender has to be signed by Proprietor/Partner only, as the case may be)
- 3. Address of the Tenderer/firm  
 .....  
 .....  
 .....
- 4. E-mail Address :
- 5. Telephonic details :
  - a) Office :
  - b) Mobile :
  - c) Fax) :
  - d) STD Code :
- 6. a) Registration particulars of the firm if any, :  
 or  
 b) Valid Trade License :  
 c) Profession Tax Clearance :
- Note : In case of registered firm, please attach attested copies of documents of registration/ incorporation of your firm with the competent authority as required by business law.
- 7. Name of Proprietor/Partners/Directors :
- 8. Permanent Account number :
- 9. VAT Registration No. if available :
- 10. Infrastructure capabilities :
- 11. Annual Turnover of the Firm :

I/We hereby declare that the information furnished above is true & correct.

Place :  
Date :

Signature of tendered/Authorized signatory.....  
Name of the tendered.....

Read, understood & complied with  
Signature of the Tendered



**PROFORMA OF BANK GUARANTEE FOR SECURITY DEPOSIT-CUM-PERFORMANCE GUARANTEE**

(On non-judicial stamp paper of appropriate value to be purchased in the name of executing Bank)

Ref .....

Bank Guarantee no.....

Date .....

KNOW ALL MEN BY THESE PRESENTS that in consideration of the **Chairman, District e-Governance Society, North 24 Parganas, Government of West Bengal** having its office at **New Administrative Buildings, Rishi Bankim Sarani, Barasat, North 24 Parganas, Kolkata-124** (hereinafter called "The Purchaser") having agreed to accept from \_\_\_\_\_ (hereinafter called "The Contractor") Having its Head Office at \_\_\_\_\_, a Bank guarantee for Rs. \_\_\_\_\_ in lieu of Cash Security Deposit for the due fulfillment by the Contractor of the terms & conditions of the Work Order No. \_\_\_\_\_ dated \_\_\_\_\_ issued by the Purchaser for \_\_\_\_\_ (hereinafter called "the said work order \_\_\_\_\_ dated \_\_\_\_\_"). We \_\_\_\_\_ (Name & detailed address of the branch) (hereinafter called "the Guarantor") do hereby undertake to indemnify and keep indemnified the Purchaser to the extent of Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_) only against any loss or damage caused to or suffered by the Purchaser by reason of any breach by the Contractor of any of the terms and conditions contained in the said Work Order No. \_\_\_\_\_ dated \_\_\_\_\_ of which breach the opinion of the Purchaser shall be final and conclusive.

- (2) AND WE, \_\_\_\_\_ DO HEREBY Guarantee and undertake to pay forthwith on demand to the Purchaser such sum not exceeding the said sum of \_\_\_\_\_ Rupees \_\_\_\_\_) only as may be specified in such demand, in the event of the Contractor failing or neglecting to execute fully efficiently and satisfactorily the order for \_\_\_\_\_ Work Order no. , \_\_\_\_\_ dated \_\_\_\_\_.
- (3) WE \_\_\_\_\_ further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said order as laid down in the said Work Order No. \_\_\_\_\_ dated \_\_\_\_\_ including the warranty obligations and that it shall continue to be enforceable till all the dues of the Purchaser under or by virtue of the said Work Order No. \_\_\_\_\_ dated \_\_\_\_\_ have been fully paid and its claims satisfied or is charged or till the Purchaser or its authorized representative certified that the terms and conditions of the said Work Order No. \_\_\_\_\_ dated \_\_\_\_\_ have been fully and properly carried out by the said contractor and accordingly discharged the guarantee.
- (4) We \_\_\_\_\_ the Guarantor undertake to extend the validity of Bank Guarantee at the request of the contractor for further period of periods from time to time beyond its present validity period failing which we shall pay the Purchaser the amount of Guarantee.
- (5) The liability under the Guarantee is restricted to Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_) only and will expire on \_\_\_\_\_ and unless a claim in writing is presented to us or an action or suit to enforce the claim is filed against us within 6 months from \_\_\_\_\_ all your rights will be forfeited and we shall be relieved of and discharged from all our liabilities (thereinafter)
- (6) The Guarantee herein contained shall not be determined or affected by liquidation or winding up or insolvency or closer of the Contractor.
- (7) The executants has the power to issue this guarantee on behalf of Guarantor and holds full and valid power of Attorney granted in his favour by the Guarantor authorizing him to execute the Guarantee.
- (8) Notwithstanding anything contained herein above, our liability under this guarantee is restricted to Rs. \_\_\_\_\_ (Rupees \_\_\_\_\_) only and our guarantee shall remain in force up to \_\_\_\_\_ and unless a demand or claim under the guarantee is made on us in writing on or before \_\_\_\_\_ all your rights under the guarantee shall be forfeited and we shall be relieved and discharged from all liabilities there under.

WE, \_\_\_\_\_ lastly undertake not to revoke this guarantee during the currency except with the previous consent of the Purchaser in writing. In witness whereof we \_\_\_\_\_ have set and subscribed our hand on this \_\_\_\_\_ day of \_\_\_\_\_.

**SIGNED, SEALED AND DELIVERED**

**WITNESS**

1) \_\_\_\_\_

2) \_\_\_\_\_

\_\_\_\_\_

(Stamp of the executants)

(Name & address in full with Rubber Stamp)