

**NORTH EASTERN REGIONAL INSTITUTE OF SCIENCE & TECHNOLOGY  
NIRJULI:: ARUNACHAL PRADESH**

**NERIST OPEN TENDER: NO. EE/122/2020-21(EMC)**

**Dated 11. 04.2022**

**TERMS AND CONDITIONS:**

**EVERY FIRM SHOULD SUBMIT THE TENDER DOCUMENT SETS SUPERSCRIBING THE NAME OF THE DEPARTMENT/DIVISION ON COVER PAGE WITH SEPARATE COVERING LETTER/TERMS AND CONDITION PROPERLY SEALED.**

**1.**

- A) Rate : The rate which should be quoted both in figure & words must be inclusive of procurement cost of UTKARSH MAKE GI POLE (OCTAGONAL) and the pole must be fitted with nuts and bolt (foundation mounted) including the erecting of pole ,bracket, cost of fittings , cable procurement cost, cable laying ,earthing provision for street lighting system of south block, cost of feeder pillar including installation testing and commissioning of feeder pillar as well as the testing and commissioning of street light of whole south campus and painting of all metal parts and cost of all refilling the trench etc. as required.
- B) Sale Tax/Vat: Rate inclusive of sales Tax/Vat will be preferred. However, where quoted separately the ad valorem rate payable should be clearly cited in accordance with provision of relevant Act and rules.
- C) Form 'C' & 'D': NERIST is not authorized to issue 'C' & 'D' Form against CST.

**2.**

- A) Consignee: All stores are required to be consigned to the Director, North Eastern Regional Institute of Science & Technology, Itanagar, Nirjuli, Arunachal Pradesh-791109.
- B) Mode of dispatch: The consignment is required to be dispatched by Road Transport or delivered at this Institute under supplier's own arrangement free of additional charges. All offers of delivery should be made ex-stock and clear note should be inserted in case damage or loss in transit, if any will be borne by the supplier.
- C) Dispatch of Document: The consignment note along with the quadruplicate copy of relevant bill and two copies of priced challan should be dispatched to the Director, NERIST, Nirjuli (Itanagar), Arunachal Pradesh-791109 immediately on completion Dispatch of consignment. If these documents do not reach the said office in time all wharf age/demurrage incurred, if any will be recoverable from the suppliers.

3. **Delivery:** All the items related to South Block Street lighting arrangement is required to be delivered/dispached, installed and commissioned within 90 (ninety) days from the date of receipt of the supply/work order or as per mutual agreement, suppliers/contractors are/is requested to take care that all the items mentioned above is to be supplied in full set basis and the item is required to be installed at NERIST as per the direction of Electrical Engineer. User manuals are also to be provided along with the items supplied.
4. **Quality Specification:** The dealers/manufactures/contractors offered items should be of the best/standard quality available unless, otherwise specified conforming strictly to the Director, NERIST reserves the right to reject such dealers/manufactures/contractors as are found unacceptable on these grounds. Items of only reputed manufacturers will be given reference.
5. **Liquidated damages:** If a firm accepts the order and fails to execute the order in full or part as per terms and conditions stipulated therein, it will be open to the Director to recover Liquidated damaged from the firm at the rate of 1% per month of the part thereof, subject to a maximum of 5% of the value of the undelivered items. It will also be open to the Director, alternatively to arrange procurement of the required items from any source, at the risk and expense of the firm accepted and failed to execute the order according in stipulations agreed upon. This will also entail removal of the defaulter's name from the approved/registered list of suppliers.
6.
  - A) **Submission of quotation:** Quotation should be submitted to the S& P Cell, NERIST, Itanagar, Nirjuli, Arunachal Pradesh – 791109 in double sealed cover separately. The Inner cover should bear tender enquiry/Notice Number and date as well as name of Division/Department on left hand top corner. If no counter offer is made in quotation, it will be taken for granted that the offer is strictly in accordance with the specification, terms and conditions as laid down in the tender notice. Acceptance of quotation will accordingly constitute a concluded contract on said basis. Please note that for the list of items and quantity required etc. one can refer to Annexure-I of this document. No separate documents will be issued for quotation preparation/submission etc.
  - B) **Earnest Money:** At the time submission of Tender, the earnest money in the form of call deposit @2% on the quoted tender value, for APST candidate @1% is to be deposited with the tender, which will be interest free. No Tender will be accepted without earnest money. The earnest money is to be deposited in favour of Director, NERIST, payable at State Bank of India, Nirjuli Branch (Code-SBIN0018744). On receipt of supply cum work order, in case the firm fails to execute, the earnest money will be forfeited.
7. **Validity (Firmness):** The rate should be valid for six months from the date of opening of tender. No representation for enhancement of price once accepted will be entertained during the contract.
8. **Opening of Quotations:** Every quotation will be opened on the date and time as fixed in presence of a duly constituted board of officers of the Institute. A firm may depute its accredited representative to witness the opening, if it so desires.

- 9.** Income Tax/Sales Tax clearance: The tender should be accompanied by up-to-date Income Tax/Sales Tax clearance certificate.
- 10.** Mode of payment: Payment will be made by a crossed account payee cheque/Demand Draft on the State Bank of India, Nirjuli normally within 45days from the date of receipt of the bill duly certified its work completion by Engineer In-charge. The Institute will not bear any expenditure on account of bank commission for Draft and other incidental charge.
- 11.** Special discount/rebate: Special discount/rebate admissible to Educational Institute of National importance may be specifically indicated in the quotation.
- 12.** Rejection of offer: Tenders not conforming to the terms and conditions and procedure so out lined are liable to be rejected summarily.
- 13.** Guarantee/Warranty: The items should be covered by warranty of quality/warranty of performance and manufactures defect for a period of twelve month from the date of satisfactory installation as the case may be.
- 14.** Special condition: Special condition, if any printed on the quotation sheets of the tenders or condition attached with the tender will not be applicable to the contract unless these are accepted in written by the Director.
- 15.** ISI Marks: The tender shall specify whether the items offered bear bureau of Indian standard certification mark or not. In such cases they shall produce copies of certification mark along with their tender in support of it. Also specific make and model No.of the equipment is to be mentioned.
- 16.** Central Excise & Custom duty: The Institute is exempted in terms of Govt. notification No.51/96 customs dated 23<sup>rd</sup> July, 1996 and Central Excise Duty Exemption in terms of Government Notification No.10/97 Central Excise Dated 1<sup>st</sup> March, 1997 as amended from time to time vide our Registration No.TU/V/RG-CDE(667)/2009 dated 26<sup>th</sup> October '2009 and valid up to 31.08.2013.
- 17.** Discretionary power: The Director, NERIST reserves the right to accept or reject any or all tenders without assigning any reason thereof and also to modify in exceptional case any of the stipulated terms and conditions on merit on genuine and justifying grounds if it is in the larger interest of the Institute. The final acceptance of the tenders' rests entirely with the Director, NERIST who does not bind himself to accept the lowest tender.
- 18.** Legal jurisdiction: in case any necessity arises for any of the parties to this agreement to file any suit or legal proceeding, the same shall be filed in the court of jurisdiction of permanent bench of Guwahati High Court, Itanagar only.

**19. Special terms and condition:**

A. **WORKS:** - All the Electrical works shall be carried out as per relevant Indian Standard specifications. Similarly, the work shall be as per the provision of I.E., rules 1956 and the National Electric code for electrical works.

B. **MATERIALS:** - The materials to be used on work shall be as per valid ISI mark granted by Bureau of Indian Standards.

C. **EXECUTION OF WORK:** - i. The contractor and his staff should have a valid license for respective work.

D. Work order book (Instruction book) issued by the department shall kept at site and shall be made always available to Engineer – In- charge at site of this department whenever required.

E. All hidden items such as underground cable laying, earthing, concealing job shall be executed in the presence of the Engineer- in- charge of this department.

F. The work shall in all the cases be carried out adhering to I.E. rule, ISI safety code of practices.

G. The contractor or his person should not work on any live installation

**20. Scope of work:**

1. Providing GI Street light poles with LED lights on turnkey basis. All related work like supply & erection of pole, supply & laying of power cables, tapping power from the existing sources, providing distribution boxes, providing Automatic timer (RTC based timer) for auto on/off etc. are included in the scope of work. Supply of all the items as mentioned in Schedule of items is under the scope of supply.

2. Cable Terminations with lugs, laying of cables in trench and refilling loop in & loop out that junction boxes of individual poles and termination of cables at luminaries. Distribution of lighting on 3 phases should be balanced by proper looping

3. Supply and erection of 110A, 4 pole power contactor, timer circuit etc. for automatic operation of street lights from dusk to dawn.

4. Contractor shall do the necessary arrangement for identification of cable by providing proper cable tag and also mark incoming & outgoing legends suitably on the feeder, street light poles. Route markers to be provided along the cable route to enable its easy tracking. Trench should be of suitable size back filling after drawing of cable in HDPE(DWC) pipe and laying. Suitable protection sand for a depth of 150mm around the cable and. Coping of poles should be done with suitable concrete mix with provision for junction box.

5. Contractor shall do the testing & commissioning of cables, light poles and feeders. Manufacturer's test certificates should be submitted along with cables

6. The quantities indicated in schedule of items are tentative and may vary as per the site requirement. However, Payment shall be made based on actual work done.

7. Contractor has to arrange all the required materials, tools & tackles, labour, transportation etc., at their cost.

8. The contractor shall also supply all items like junction boxes, MCBs, anchor fasteners, screws, bolts, nuts, washers, cable glands and lugs etc. and carry out associated minor works for successful completion of work.

8. Any other items that are not indicated but form part of the execution shall be deemed to be included in the scope and vendor shall include the cost of such items in their offer

10. The material supplied & work executed shall comply with I.S Standards& I.E Rules. shall have the right to reject any materials and workmanship, if it is found not conforming to specifications, approved brand, terms & conditions.

11. Tapping of supply from nearby power source with 4 Core Aluminum Cable to the distribution box to all street light poles. This outgoing feeder shall be completed with given capacity, 4pole power contactor, and timer to switch ON and OFF of street lights automatically.

12. Testing and measuring the lumen of street light after successful completion of work.

13. Distance between two poles shall be approximately 25-30 meter for pole height of 5.6 m (above ground). Distance between two poles may be changed as per site condition.

14. All the civil work with materials required for installation of street light including excavation.

15. RCC work for Installation of Street Light pole and street Light Fitting At South campus NERIST

16. All the mechanical work with materials required for installation and successful commissioning of street light.

17. All the electrical work with materials required for installation and successful commissioning of street light including wiring earthing etc.

18. Technical Specifications: Street Light Luminary:

a. Compact in shape and size

b. Uniform light distribution

c. System efficacy shall not be less than 85 lumens/watt,

d. Degree of protection: IP65

e. Easy to install and maintain

f. Accessories pre- wired up to terminal block in control gear compartment

g. Installation: (a) Luminary should be fitted on suitable horizontal mounting on arm bracket with dia. of 25to 27 mm g) CRI shall be more than 70.

h) Total Harmonic Distortion Voltage and Current shall be less than 15%

- i) Operating range shall be 140V to 270V
- j) Power Factor of Luminaire shall be more than 0.95
- k) Luminaire and Lamp shall be LM79, LM80 compliant respectively
- l) Luminaire shall conform respective IS.
- m) Luminaire Shall withstand surge protection upto 4 kV
- n) Luminaire shall carry minimum three years warranty.
- o) Color temperature shall be as requires between 4000K-6500K. Make: Philips/CG/Halonix/skanky/Surya. Note: Contractor should attach a warranty certificate of luminary for minimum 3 years. Street light Pole: a. Each pole shall have a weather proof looping/terminal box clamped at 550mm above ground level along with a suitable earth terminal. The looping box shall be provided with a suitable bus bar arrangement to loop 2 to 3 cables of size 16sq.mm and MCB/5A fuse cutout. A base plate 300 x300x10mm shall be welded to the bottom of the pole.
- p.The pole shall be provided with necessary cross arm for mounting street light fitting. Both underground cable and GI earth wire shall be terminated at the terminal/ looping box in the looping zone. Further wiring to the light fixture shall be done with three core flexible copper wire (2core for power supply and third core for earthing).
- q.The civil work for street light pole foundation forms a part of erection.
- r. Each street light pole shall be provided with double coil earthing, using 15metre long 8swg GI wire wound to form 50mm diameter earth electrode and shall be connected to earthing stud of the pole. The earth electrode shall be buried up to a of depth.
- s .On below ground level Installation Of Street Light pole And street Light Fitting At South block INSTALLATION OF CABLES shall be laid directly in ground, pipes, masonry ducts, on cable tray, surface of wall etc. as indicated in BOQ and/or as per the direction of Engineer-in-charge, and as per CPWD specifications. Make- Polycab, gulmarg, bharat JOINTS IN CABLES.
- t.The contractor shall take care to see that the cables received at site are apportioned to various locations in such a manner as to ensure maximum utilization and avoiding of cable joints. This apportioning shall be got approved from Engineer-in-charge before the cables are cut to lengths Requirements:
- u.The Contractor is responsible to provide Services from below listed Qualified and well experienced personnel, who can independently handle, Operate and maintain electrical installation.
- v .The work force to be deployed will be screened for technical capability by the Department to ensure the deployment of suitable candidates by the contractor. • Electricians (ITI-Electrical) • Wireman/Technician • Technician Helper to Electrician.

w. Electrician/Wireman: The person who works should have Electrical/Wireman Trade ITI certificate from Govt. approved or Govt. recognized institution. They should have a practical experience of not less than 1 (one) year. He should also have valid electrical wireman license issued by local authorized Electrical Inspectorate, for the operation and maintenance of the said electrical equipment's & voltage level.

1. Helper to Electrician: The services should be obtained from those having minimum 3 years working experience with electrician in the field of electrical systems. Should have minimum qualification up to class 7th passed, and should be capable of reading & writing and capable of expressing clearly in local language

2. Completion Schedule and Penalty for Delay 1. The Contractor shall complete the work as per the time frame given in the Letter of Intent. 2. Failure to complete the work in time as per the time frame specified will make the Contractor liable to an unconditional penalty imposed by Municipal Corporation.

### 3. Contractor's Supervision

A. The Contractor shall either himself supervise the execution of the Contract or shall appoint a competent Engineer / agent approved by the Engineer to act in his stead.

B. The Contractor shall employ an Engineer/ Agent having at least a 'Degree of Bachelor in Electrical Engineering' from a recognized university or having at least a 'Diploma in Electrical Engineering' from a recognized college.

C. The Contractor or his Agent shall be in attendance at the site during all working hours and shall superintend the execution of work with such additional assistance in each grade as the Engineer may consider necessary. and Installation of Street Light pole and street Light Fitting At South campus

D. The NERIST Engineer shall have full powers to instruct the Contractor to arrange for immediate termination of services, in connection with this contract, of any Agent, servant or employee whose continued employment is, in his opinion, undesirable, without assigning any reason.

1. Supervisory Staff and Workmen a. The contractor shall deploy all the experienced skilled, semiskilled and unskilled workmen required for all the works under this specification. The EE has right to decide on the suitability of the workers and other personnel who will be deployed by the contractor. and reserves the right to insist on removal of any employee of the contractor at any time, if they find him unsuitable and the contractor shall forth with removes him.

2. The work shall be executed under the usual conditions like rain, insufficient space, improper approach roads etc., and effecting major construction work and in conjunction with numerous other operations at site.

3. Completion of Work The works shall be completed to the entire satisfaction of the Engineer and in accordance with the completion schedule as specified in the Contract, and all unused stores and materials, tools, plant, equipment, temporary buildings, site office, labour hutments

and other things shall be removed and the site and work cleared of rubbish and all waste materials and delivered up clean and tidy to the satisfaction of the Engineer in charge.

4. Provide and maintain at his own cost all lights, guards, fencing, warning signs and watching, when and where necessary or required by the Engineer or by any duly constituted authority for the protection of the Works or for the safety and convenience of the public or others

5. Take all reasonable steps to protect the environment on and off the Site and to avoid damage or nuisance to persons or to property of the public or others, resulting from pollution, noise or other causes arising as a consequence of his methods or Repair.

6. All safety rules prescribed by the Government shall be strictly observed to execute the work and safety of manpower deployed

Eligibility  
Criteria

1. EXPERIENCE: The tenderer should have satisfactory service record with other reputed Organizations, which should include at least one reputed Public Sector Undertaking/CG State Govt./Department of the Govt. of India. (A valid performance certificate (one) and one PO as of proof of above should be an essential enclosure in the proposal).

2. ANNUAL TURNOVER: Annual Turnover should be Rs.50 lacs or more during last 3 financial years. CA Certified Annual Turn Over details for last

3. 3 years to be submitted along with the technical bid.

4. STATUTORY REGISTRATIONS: The tenderer must have valid PAN No. and TIN/VAT No. Photocopy of PAN Card of the Firm/OEM/Dealer/Proprietor/trader and VAT/Trade Tax return for last 3 years is to be submitted with the technical bid.

5. LICENCE: Copy of Registration of contractor license at CPWD/STATE PWD/CIDCO/ANY CORPORATION and Establishment must be submitted with the technical bid.

22. The following update documents should also accompany with the tenders

- a. Trading License
- b. In-com Tax clearance certificate.
- c. Sale Tax clearance certificate.
- d. CST/VAT clearance certificate if quoted in the tender for CST/VAT.

ELECTRICAL ENGINEER  
NERIST: NIRJULI  
ARUNACHAL PRADESH



**Annexure-I**

<b>DIVISION: ELECTRICAL MAINTENANCE CELL UNDER ELECTICAL ENGINEER, NERIST</b>					
<b>Sl. No.</b>	<b>Description of item</b>	<b>Qty</b>	<b>Unit</b>	<b>Rate</b>	<b>Amount</b>
1	Supply & erecting ISI mark GI Pipe pole 'B' grade GI swaged steel octagonal 7 mtrs. length pole as per IS-2713(part-II) 410-SP-I, Size: 114.3mm x 88.9mm x 76.1mm, Thickness 365mm x 3.25mm x 3.25mm, Length 4Mtr. + 1.5 Mtr. + 1.5mtr. within built junction box/loose box (Base plate: 250 x 250 x 12mm (nut & bolts) (Size may vary as per manufactures) make may be UTKARSH/BAJAJ only				
	a) Single arm bracket type (410- SP I Pole)	90	Nos.		
	b) Double arm bracket bend type (410- SP I Pole)	5	Nos.		
2	Providing cement concrete foundation including excavation for the pole (45cm x 45 x 1.2cm) deep in 1:3:6 cement concrete 20 to 25mm stone metal and 45cm x 45cm x 45cm/45cm dia x 45cm height plinth duly plastered & with necessary curing and finishing etc.as required.	95	Nos.		
3	Supply & erecting street light bracket for erecting single fitting made of 40mm dia 'B' class GI pipe 1.0 mtr in length along with pole cap of 300mm length 100mm dia duly welded as per specification No. FG-BKT/BPC	95	Nos.		
4	Supplying, installation, testing and commissioning of LED pressure die cast aluminum housing, heat resistance toughened glass, IP-66 production, better optics for uniform distribution CAT REF(LSTP-72-COL)	95	Nos.		
5	Supplying and fixing of FRP Box size 250 x 250 z 100mm, 2.7mm thick complete on pole/wall as per specification No.GB-5B	100	Nos.		

6	G.I. pipe 40 mm dia 6mtr long for earthing set, B-class earthing rod wt.6.175kg, GI strip 25 x 6mm 9 mtrs all other material salt, charcoal, excavation of earth spit and all other items required for pole earthing, etc as required i/c filling of the earth.	95	Nos.		
7	7-way distribution feeder pillar with 2 nos. MCCB, 4 pole, 3 phase 415 Volt 400 Amp for incoming and 5 nos. outgoing MCCB 4 poles, 3 phase 415 V, 100 Amps rating type suitable for outdoor installation or as per the direction of EE in-charge	1	Nos.		
8	Supplying of twin core copper wire 2.5sqmm suitable for connection of street light fitting from pole DB as required	20	Coil		
9	Straight through cable jointing kit with cast resin compound with ferrules for 11kV grade XLPE cable for 3.5core 120 sqmm.	2	Nos.		
10	Supplying and laying of Aluminum conductor PVC insulator armoured serve sheathed cable 1100 Volts grade at a depth of 750mm below ground level over a cushion of 75mm thick sand all around and protected with burnt brick on sides and top on surface the cable run shall be fixed on MS clamp etc of suitable size or as directed by Engineer in charge, complete in all respect. The arrangement of cable shall be properly with the earth conductor by clamp etc.				
	a) 3 ½ X 120sqmm PVC insulated PVC sheathed Aluminum armoured UG cable (Polycab/Finolex)	700	Mtrs.		
	b) 2 X 16sqmm PVC insulated PVC sheathed Aluminum armoured UG cable (Polycab/Finolex)	250	Mtrs.		
11	Overhead charges for supply and other Miscellaneous items etc as required 10% of overall estimate				

**ELECTRICAL ENGINEER**

NORTH EASTERN REGIONAL INSTITUTE  
OF SCIENCE & TECHNOLOGY  
(Deemed University)



Nirjuli:791109: Itanagar: Arunachal Pradesh

**NOTICE INVITING TENDER**

Application in respect of Tender in sealed envelopes are invited on behalf of the Director, NERIST from authorized manufacturers/firms/dealers for supply, installation and commissioning of LT Street lights. For more information, Institute's website ([www.nerist.ac.in](http://www.nerist.ac.in)) may please be visited or the undersigned be contacted at 0360-2257401 \*6412 within 03/05/2022.

**Electrical Engineer**



## **NOTICE INVITING TENDER**

File No. EE/122/2020-21(EMC)

Name of work: Providing Streetlight to the south campus of the NERIST.

Application in respect of Tender in sealed envelopes are invited on behalf of the Director, NERIST from authorized manufacturers/firms/dealers for supply, installation and commissioning of LT Street lights for the south campus of the Institute to be submitted at the office of the S&P Cell, NERIST. For more information Institute's website ([www.nerist.ac.in](http://www.nerist.ac.in)) may please be visited or the undersigned be contacted at 0360-2257401 \*6412 within 03//05/2022.

The last date of submission of open tender (Both Technical and Financial Bids)	03/05/2022, 12. 00 Noon
Date of opening of the tender	03/05/2022, 3. 30 PM

**Electrical Engineer, NERIST**

Copy to:

1. ET Cell with a request to upload on Institute's website.
2. Notice Boards for display.
3. Office copy