



**भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान तिरुपति**  
**INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH TIRUPATI**  
(An Autonomous Institute under Ministry of Human Resource Development, Govt. of India)  
Transit Campus : Sree Rama Engineering College Campus, Karakambadi Road,  
Mangalam B.O., Tirupati – 517 507, Andhra Pradesh, India.

NIQ No: 02/IISER/Tirupati/NIQ/2020-21

Date: 22.05.2020

**Notice Inviting Quotation**

Sealed quotations are hereby invited by the undersigned on behalf of the Director, IISER Tirupati for the work mentioned below upto 3:00 PM on 01/06/2020 from eligible contractors agencies with similar works experience in electrical works. The quotations will be opened at 3.30 PM on the same day.

**Name of work: Supplying and laying of GI/Copper Strip and Earthing for transit campus IISER Tirupati, Andhra Pradesh.**

Issue to –

Address of the agency –

Superintending Engineer  
IISER Tirupati

**Terms and Conditions:**

- 1) No advance payment shall be made by IISER Tirupati.
- 2) Agency should have valid Electrical license Certificate should be valid till the last date of receipt of tender.
- 3) Time period for completion of work shall be **20 Days** from the date of placing the confirm order by IISER Tirupati. The act of backing-out after quotation will debar such agencies for participating in future quotations of IISER Tirupati. Bidder may e-mail queries on [srujan@iisertirupati.ac.in](mailto:srujan@iisertirupati.ac.in) or submit to IISER Tirupati office in hard copy on all working days before a day of submission date of quotation.
- 4) Blank Quotation can be obtained from IISER Tirupati website <http://www.iisertirupati.ac.in/tenders/>
- 5) All agencies need to submit their quotation in hard copy in a sealed envelope to this office by suitable means on and before 3 PM on 01/06/2020. Quotation received after the date & time specified above shall not be accepted. Any delays, postal delay etc. will not be entertained. Agency should quote for all the items in the BOQ. The bid shall be submitted in the original bid document with all the pages sealed and signed (as issued by the IISER Tirupati) super scribing the name of work. Quotations will be opened on the same day i.e., 01/06/2020 at 3.30 PM in the presence of bidder or their authorized representatives, if any. The offer of the firm should be commercially clear including acceptance of all terms and conditions without assigning any reasons.



- 6) Quoted rates should be inclusive of cost of all the materials, labour cost, octroi , duties, cost of sample and fees towards testing of materials in labs ,royalties etc. complete. Nothing extra shall be paid.
- 7) All approved makes shall be as specified in BOQ and as per CPWD specifications, agency should put-up technical data and obtain prior approval on makes of various materials of IISER Tirupati before taking-up work.
- 8) The successful agency shall make his own arrangement for all Tools & tackles for work etc. complete in view of completion of work. Electricity shall be provided free of cost to agency at one source, agency should make own arrangement to safely tap of power from source to work location.
- 9) TDS and other applicable taxes and cess will be deducted from the bills as of the work.
- 10) Specification for the work to be carried out as per BOQ, latest CPWD specification with upto date correction slip, IS specifications & as per instruction of IISER Tirupati wherever CPWD/ IS specification are not available. Reference document for specification/drawing is attached for reference.
- 11)The contractor shall ensure that minimum wages should be paid to the labour's and employees in accordance with labour laws.
- 12) Agency to submit computerized measurement and abstract sheets to IISER Tirupati for payments.
- 13)Amount quoted for items should be as specified in the BOQ.
- 14)Following the latest developments and restrictions imposed in the country and state in view of the COVID-19, the agency should have strict compliance towards the rules and precautionary measures mentioned in the orders issued by the State Government from time to time. The submission of bids should be in the tender box placed at main gate of Institute. Also, successful agency should ensure all safety precautions, social distancing norms during the execution of work.

*U. Nayana Rao*

Superintending Engineer  
IISER Tirupati

Sign & stamp of Agency-

Encl : - BOQ.



**BOQ****Name of Work: Supplying and laying of GI/Copper Strip and Earthing for transit campus IISER Tirupati, Andhra Pradesh.**

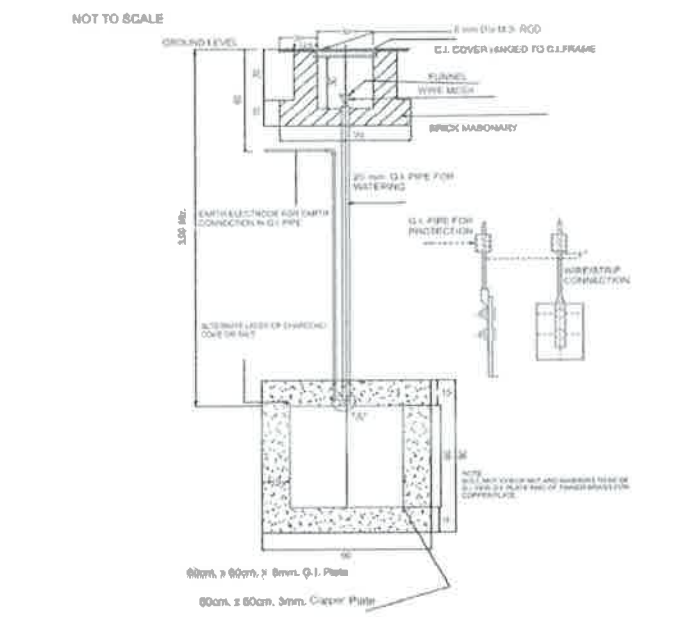
S.No.	Description of the Item	Qty	UOM	Rate	Amount
<b>1.0</b>	<b>Earth Pits</b>				
1.1	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required.	13	Set		
1.2	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	6	Set		
1.3	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	6	Set		
1.4	Supplying and laying 25mmX5mm GI strip at 0.5m below ground level as strip earth electrode, including soldering etc. as required.	66	Metre		
1.5	Supplying and laying 25mmX5mm Copper strip at 0.5m below ground level as strip earth electrode, including soldering etc. as required.	51	Metre		
1.6	Supplying and laying 50mmX6mm GI strip at 0.5m below ground level as strip earth electrode, including soldering etc. as required.	67	Metre		
1.7	Providing and fixing of 50mmX6mm Copper strip at 0.5m below ground level as strip earth electrode, including soldering etc. as required.	42	Metre		
<b>2.0</b>	<b>Lightening Conductor</b>				
2.1	Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required.	3	Each		
2.2	Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For horizontal run)	300	Metre		
2.3	Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For vertical run)	120	Metre		
<b>Total (Rs)</b>					
GST @....., Amount (Rs)					
Total Amount including GST, (Rs)					



**Specification for the Earthing and Lightning Conductors required for IISER Tirupati for reference:**

The Earth Pit items (mentioned in BOQ) for both GI plate and Copper plate type should follow the standard CPWD Electrical works specification 2013, sub head earthing practices and protection against lightning subhead for the corresponding Lightning conductors.

The Earthing, in general, should be with the practices as mentioned in IS 3043 apart from the particulars given in the above CPWD specification. The general work is described in the figure below for the earth pits. The figure is for reference only and each item in the BOQ has to be executed as per the details given for the respective item and as per the direction of the Engineer in charge of the work at IISER Tirupati.



The work includes the masonry work of each Earth pit, which should be done as per the standards and the directions of the Engineer-in-charge.

