

# INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH THIRUVANANTHAPURAM (IISER-TVM)

(An Autonomous Institute under MHRD, Government of India)  
College of Engineering & Technology Campus, Engineering College (P.O), Thiruvananthapuram - 695 016.

NIT No. IISER-TW(E)/228/09-10

Dated: 24.03.2010

## **BRIEF TENDER NOTICE**

Sealed item rate tenders are invited from only Registered Contractors / agencies of appropriate class of CPWD, MES, Railways, DOS and State PWDs who have executed similar works in nature for the following works to be carried out for IISER-TVM inside CET Campus, Thiruvananthapuram - 695 016.

**Name of Work: *Providing Lightning protection (ESE) system in Computer Science and Engineering Building at CET Campus, Thiruvananthapuram.***

PAC	Period of completion	Security Deposit	EMD	Due date & time of Receipt	Due date & time of Opening
Rs. 1.46 lakhs	One month	Rs. 14,630/-	Rs. 3,650/-	16.00 Hrs on 12.04.2010	10.00 Hrs on 13.04.2010

### Notes:

- Contractors / agencies who have executed works of similar nature and magnitude only shall apply. They should furnish the details of similar works executed by them during the last three years.
- The Tender documents are available on our website [www.iisertvm.ac.in](http://www.iisertvm.ac.in) which may be downloaded and should be submitted duly filled along with the EMD.
- EMD should be enclosed with Tender, as Demand Draft of any Nationalized Bank obtained in favour of IISER, Thiruvananthapuram payable at Thiruvananthapuram. Tenders without EMD will be summarily rejected.
- Registrar, IISER-TVM, reserves the right to reject any or all Tenders or to allot part of work to different agencies without assigning any reason thereof.
- Further details can be had from the Office of the Registrar, IISER-TVM.

  
Registrar 24.3.10

**Name of Work:- Providing lightning protection system in Computer Science and Engineering building of CET Campus for IISER-TVM.**

**TENDER SCHEDULE**

<b>Sl.No.</b>	<b>Description</b>	<b>Qty</b>	<b>Rate</b> (Rs. In figures & words)	<b>Unit</b>	<b>Amount</b>
1	<p>Supply, installation, testing and commissioning of fully autonomous CPRI tested, also tested in real lightning conditions, advanced technology lightning protection <i>Electronic type</i> Early Streamer Emission Lightning Conductor (ESEL) having <math>\Delta t</math> (gain in triggering time) of minimum 25<math>\mu</math>s and radius of protection 42 meters in Level I protection zone at 50mm Dia, 5 meter long GI Mast to be installed on top of the 16 Mtr height building. The fixing to be made secure with adequate base plates and concrete base to the roof of the structure and the support must be securely fixed with guy wires to enable the air termination and mast system to withstand maximum wind velocities including all accessories to protect the building from direct lightning strikes, complete as required and as directed by EIC.</p> <p>Model &amp; Make: TS 2.25 PTD of Indelec, France or Equivalent  <b>Copy of CPRI Test certificate shall be enclosed with quotation.</b></p>	1		Set	
2	<p>Supply and laying of 25 X 3mm electrolytic GI strip using FRP spacers, saddles, with all fixing materials required for laying at 600mm spacing on roof /parapet /outer wall /column of the building (with necessary scaffolding arrangement) including welding and painting of all the joints &amp; terminations, from air terminal to the earth pits with test link as an approved manner inclusive of supply of all hardwares complete as required and as directed by EIC.</p>	50		Mtrs	
3	<p>Supply, installation, testing &amp; commissioning of CPRI Tested lightning transient event counter re-settable 6 digit LCD display suitable for 1.0kA - 100kA with inbuilt lithium battery housed in weather proof IP 67 rating enclosure with transparent lid, mouting arrangements etc., complete as required and as directed by EIC.</p> <p>Make : Tercel, Australia or Equivalent  <b>Copy of CPRI Test certificate shall be enclosed with quotation.</b></p>	1		No.	

Sl.No.	Description	Qty	Rate (Rs. In figures & words)	Unit	Amount
4	Providing CPRI Tested earth pits material using ISO GEL earth enhanced compound of 20 kgs, ISOROD advanced chemical earth rod made with 'k' type copper tube of 62mm dia, 2400mm long, 3mm thick installed vertically or as per the site conditions complete with flanges, beds, top cover heavy duty plastic inspection chamber including excavation in any type of soil and refilling etc. complete as required and as directed by EIC.  <b>Make: Tercel, Australia or Equivalent            Copy of CPRI Test certificate shall be enclosed with quotation.</b>	1		Set	

**Total =** \_\_\_\_\_

Note:

- a. Only electronic type ESE lightning conductor and counter is acceptable.
- b. GI pipe as earth electrode is not acceptable.
- c. No Tools, Plants and Scaffoldings etc. shall be issued to the contractor by the Department.
- d. Any alteration in the Tender Schedule or conditional offer are liable for rejection without assigning reason.
- e. The rates shall be inclusive of all taxes and duties.

*Signature of Tenderer*