

**INDIAN INSTITUTE OF TROPICAL METEOROLOGY**  
**PASHAN, PUNE-411 008**

Tender No. IITM/EM/34//2012

**e - TENDER NOTICE**

Director, Indian Institute of Tropical Meteorology, Dr. Homi Bhabha Road, Pashan, Pune-411 008 (India) invites sealed tenders for the below work from electrical contractors having valid Electrical Contractor License.

**Name of the work: Underground cabling work for SAFAR-Pune project**

Tender documents can be downloaded from e-procurement web site <http://www.eprocure.gov.in> or from Institute's website <http://www.tropmet.res.in> and also can be obtained from the electrical wing of the Institute.

Last date of receipt of Tender at IITM, Pune : 18/09/2012 at 12:30 Hrs  
Opening of Tenders (Technical Bids only) : 18/09/2012 at 15:00 Hrs

The Institute reserves the right to reject any or all tenders without assigning any reasons thereof. For further details please visit our website [www.tropmet.res.in](http://www.tropmet.res.in) and [www.eprocure.gov.in](http://www.eprocure.gov.in) .Corrigendum if any will be published on the above websites only.

Electrical Engineer  
For Director  
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**NOTICE INVITING TENDER FOR**  
**Underground cabling work SAFAR-Pune project**

**Tender Notice No. : IITM/EM/34/2012**

For proposed AQMS and DDS system underground cabling needs to be done for provision of three phase supply to the AQMS and DDS units. The location of work is within 40KM radius of PMC and PCMC jurisdiction of Pune. Depending on the requirement underground cabling needs to be done from nearest three phase power source to load at 23 sites. Tentative total measurement at 23 different locations of underground cabling needs to be done is approximately measured to be about 2790 meters (approximately). All liasoning work has been approved from required authority. Necessary electrical works has to be carried out by the bidder as mentioned in the tender document. Details of works, terms and conditions are as below.

Name of Work	Underground cabling work for SAFAR-Pune project
Earnest Money Deposit (EMD)	Rs 22,000=00 (Rupees thirty thousand Only) by Demand Draft, drawn from any Nationalized or Scheduled Banks in India payable at Pune in favor of The Director, Indian Institute of tropical Metrology, NCL post, Pashan, Pune-411008 (or) By Irrevocable Bank Guarantee from any Nationalized or Scheduled Banks in India.
Last date for submission of bids	Bids to be submitted on or before 18/09/2012 at "DISPATCH SECTION" Indian Institute of Tropical Meteorology, Dr. Homi Bhabha Road, NCL post, Pashan Pune – 411008 .INDIA
Opening of Tender	18/09/2012 at 15:00 Hrs

**QUALIFICATION CRITERIA:**

The following documents to be submitted along with bid else disqualified:

- 1) Valid Electrical Contractor License for working as electrical contractor for HT and LT line works issued by Maharashtra state/ state administration of the state in which the contractor is working.
- 2) Annual turnover of minimum ten Lakhs in all kind of electrical work during last three financial years ending on 31<sup>st</sup> march 2012.
- 3) Completion of at least three underground cabling contracts from previous 36 months prior to tender opening.
- 4) EMD of Rs 22,000=00 (Rupees thirty thousand Only) by Demand Draft, drawn from any Nationalized or Scheduled Banks in India payable at Pune in favor of The Director, Indian Institute of tropical Metrology, NCL post, Pashan, Pune-411008 .

**Details of execution of works:**

- 5) The location of work is within 40KM radius of PMC and PCMC jurisdiction of Pune. Depending on the requirement underground cabling needs to be done from nearest three phase power source to load at 23 sites.
- 6) Tentative total measurement at 23 different locations of underground cabling needs to be done is approximately measured to be about 2790 meters (approximately). Depending on locations underground cabling work varies from 30meter to 500meter approximately.
- 7) Measurement and Quantity of materials shown in the tender are approximate and payment shall be made as per actual measurement. The successful tenderer will not be entitled for any sort of compensation towards materials procured/stored in excess of the final measured quantities.
- 8) Detail measurement of work carried out shall be taken jointly by successful tenderer and IITM authorized representative. All works shall be measured as per the procedure laid down. Payments will be made as per measured quantities and not as per tender schedule quantities.
- 9) The work needs to be carried out depending on site conditions. At some of the sites saddling needs to be done from source to load.

- 10) 4\*16 Sq mm aluminium armoured cable with DWC pipe of 50mm to be laid at a depth of 600 mm directly below the ground including excavation and refilling the trench has to be done as required.
- 11) For AQMS, termination to be done only at source side with 32A MCB as mentioned in BOQ.
- 12) For DDS unit's termination at both sides needs to be done as per BOQ. Also IP65 grade junction box with timer circuit needs to be commissioned at suitable place near display unit.
- 13) 4 pole 200A Feeder pillar has to be provided wherever cable length increases more than 200 meters and only if necessary and approved by engineer. The feeder pillar must be having IP65 protection and made of FRP material with HRC fuses and PVC sleeved busbars and also with complete end termination with brass and lugs has to be done.
- 14) All tools felt necessary for execution of the work should be arranged by the contractor.
- 15) **Materials:** All materials required for execution of work should confirm to the standard specification and should be approved by the Engineer in charge before actually put to use. Commencement of work without prior approval shall be entirely at the risk and cost of the contractor.

**Safety:**

- 16) It shall be the duty of the contractor to acquaint his staff with all safety regulations as proposed by any statutory authorities.
- 17) The contractor shall indemnify IITM against any violation of safety laws, rules and regulations while carrying out works as required by the contract.
- 18) All liabilities, owing to injury/death due to negligence or miscommunication or during discharging work of the staff of the contractor, will be to the contractor and what so ever the work, in any case IITM will not be responsible for any liabilities of injury/death etc. It's the duty of contractor to guide the staff regarding safety measures.

**Payment Terms:**

- 19) No advance payment will be done.

- 20) Payment of 60% of material value on supply of material at site. 95% of total bill, including remaining 40 % of material value, on satisfactory work completion, commissioning, testing charging and handing over the site. Performance guarantee of 5% will be retained and will be released after successful completion of one year defect liability period or against bank guarantee from any nationalized bank.
- 21) **Penalty Clause:** If contractor fails to work ,install and commission the system within due date as mentioned in the work order, the contractor is liable to pay liquidated damages of 1% value of the bill awarded, for per week delay subject to a maximum of 10% beyond the due date.
- 22) Contractor has to quote as per Annexure # 2

**Annexure# 2****BILL OF QUANTITIES**

- 1)** In column 1 please quote as per meter basis
- 2)** In column 2, 3, 4 please quote as per item numbers.
- 3)** The Amount must include all cost, taxes, transportation charges, service charges and any extra charges. No extra charge or taxes will be paid thereafter. Institute will pay the net amount as quoted by contractor.
- 4)** All materials required for execution of work should confirm to the standard specification and should be approved by the Engineer in charge before actually put to use. Commencement of work without prior approval shall be entirely at the risk and cost of the contractor.
- 5)** Make should be clearly specified in BOQ

Sl. no	Works	Make of material	unit	quantity	total
1	Supply and Laying of one number of 4x16 Sq mm XLPE armoured power cable direct in ground of depth 0.6 meter including excavation, protective covering with 50mm DWC pipe and refilling the trench etc as required.	Cable, DWC pipe	Per meter	for approx 2790 meter	
2	Supplying and making end termination with brass compression gland and aluminium lugs for 4*16 Sq mm cable with fixing of 32A MCB at the SOURCE SIDE.	glands, lugs, MCB	for 1no.	23	
3	<u>Only for Display system at load side:</u> 1)End termination with brass compression gland and aluminium lugs for 4*16 Sq mm cable 2) Fixing of Junction box with IP 65 protection FRP/SS box of area 450x 320 x 120 3)Wiring with 32A MCB, timer and contactor.	glands, lugs, MCB, timer, contactor	for 1 no.	12	
4	4 pole 200A Feeder pillar with IP65 protection and made of FRP material with HRC fuses and PVC sleeved busbars and also with complete end termination with brass and lugs	Feeder pillar	For 1 no.	for approx 5 nos	