

**DEPARTMENT OF METALLURGY AND MATERIALS ENGINEERING**  
Indian Institute of Engineering Science and Technology, Shibpur  
Howrah-711 103

Enquiry No. 13/MET/IEST/2018-19

Date: January 11, 2019

To,  
All the Enlisted Suppliers/Dealers/Manufacturers

Sealed quotations are invited for supply of the following Equipment for the Dept. of Metallurgy and Materials Engineering, IEST, Shibpur. The sealed quotations should be addressed to the Head of the Department, Department of Metallurgy and Materials Engineering, IEST, Shibpur, Howrah - 711103 indicating enquiry no. with date on the top of the sealed envelope. The sealed quotations should be submitted at the office of the department on any of the working day up to 25/01/2019 till 5.00 P.M.

**Sl.No. 1**

THERMAL CONDUCTIVITY METER

**SECTION-II: Detailed Technical Specifications of the Items**

Test Method : Thin sample Analysis

Temperature range : -30°C to 120°C

Accuracy ( $\lambda_{ref}$ ) (depending on sample): depending on reference, typically +/- 6% @ 20°C with H.  $\Lambda$

Around  $4 \times 10^{-3} \text{ m}^2 \text{ K/W}$

Repeatability ( $\lambda_{ref}$ ): +/- 2% @20°C


Total Measurement Time : 3000 s (typical)

Power requirements (switched) : 15V, 0.8 Watt (typical) Heater (resistance, diameter) : 50 $\Omega$  , 80 mm.

Sample requirements: H= up to 6 mm A around 70X50 mm H.  $\Lambda = 1 \text{ to } 5 \times 10^{-3} \text{ m}^2 \text{ K/W}$

**Terms and conditions:**

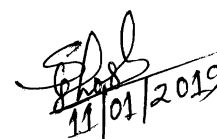
- i. All rates quoted should include all taxes, levies & duties. **Request for inclusion of any tax/levy at later stage will not be entertained.**

  
Head of the Dept. of Metallurgy and Materials Engineering,  
Indian Institute of Engineering Science and Technology, Shibpur,  
Howrah-711 103

- ii. Transportation, Packing, Forwarding, installation, training and Insurance Charges if any to be charged should be specifically indicated.
- iii. Delivery place : IEST, Shibpur
- iv. GST applicable will be 5% for research facility of the Institute. The certificate will be provided by the Institute with the Purchase Order
- v. The Institute reserves the right to accept or reject all or any of the quotation without assigning any reason whatsoever. The decision of the Institute shall be final in case of any dispute.
- vi. The work must be completed by 2 weeks from the date of issue of Purchase Order.
- vii. Bills in Triplicate should be presented for payment within 07 days of supply/completion of work.
- viii. The Order no. is to be noted on both challan & Bill.
- ix. All bills are to be accompanied with the order copies and challans.
- x. Payment will be made within 60 days from Submission of proper bills; challans etc. by A/c payee cheque. **No Cash payment will be made under any circumstances. No advance payment can be made All payments are subjected to statutory deductions as and when applicable.**
- xi. **For Foreign Purchase (This clause is applicable only for foreign purchase and not applicable for Indian purchase)**
  - i) Payment will be made through Letter of Credit/Bank Transfer. AWB, Packing list, Warranty certificate, etc. should be provided.**
- xii. SELECTION WILL BE MADE PURELY ON ESSENTIAL TECHNICAL DOCUMENTS. The IESTS authority will evaluate and compare the quotations (the gross amount i.e. inclusive of all taxes, other charges etc.) determined to be substantially responsive i.e. which- (a) meet the qualification criteria specified in the tender, (b) Are properly signed, and (C) Conform to the terms and conditions, specifications without deviations.
- xiii. Only one best quality item (according to our specification) should be quoted against each item. On no account should different qualities e.g. A, B, & C of items be quoted. Those items that have been quoted as per different qualities (In contravention to the specifications) will not be considered at all and will be summarily rejected.
- xiv. Based on our specifications, image/drawing of item to be provided and Model Name/No. (if applicable) and Brand must be clearly mentioned in the quotation, without which quotation will not be considered.



- xv. All the equipment and accessories will carry a guarantee for a period of 12 months from the date of commissioning. Guarantee for all the items supplied will be on 'all comprehensive' basis, i.e., including repairs, replacements, maintenance etc. Calibration / Test Certificate must accompany along with the equipment. Supply of equipment shall include installation, erection, commissioning and demonstration. Indian Institute of Engineering Science and Technology, Shibpur, Howrah reserves the right to accept/ reject all or any of the bidders without assigning any reason whatsoever.
- xvi. Scanned copy of Manufacturer's catalogue of the items must be provided with the quotation without which the bid will be rejected.
- xvii. The bidder must submit photo copy of valid Trade License, GST certificate, Professional tax certificate and PAN card along with the quotation.



(Prof. Sumit Ghosh)

Head

Prof. Sumit Ghosh  
Head  
Dept. Of Mat. & Met. Engrg.  
Indian Institute of Engineering  
Science and Technology, Shibpur  
Howrah-711 103

Copy forwarded for information to:

Institute Website, IEST, Shibpur, Howrah-711103

For details the vendors may contact Prof. Manojit Ghosh (Mobile No. 9874865163) during working hours.