INDIAN INSTITUTE OF TECHNOLOGY DELHI
HAUZ KHAS NEW DELHI

Date: 22.01.2013

Notice Inviting Quotation

Quotations are invited for the purchase of **"Thermal Conductivity Tester"** for the Department of Textile Technology. Interested suppliers are required to submit their quotations as per the specifications given below. The sealed Quotations are to be submitted in two Separate envelopes;

A - for Technical Quote (Specifications) &
B - for Financial Quote
(For details see Annexure I)

Both these envelopes should be enclosed in an outer envelope, which should also be sealed and addressed to, clearly mentioning on top right corner of the envelope "Quotations for **Thermal Conductivity Tester**"

The quotations should reach the office of **Prof. V. K. Kothari,** Department of Textile Technology, IIT, Hauz Khas, New Delhi-110016, **Room No. TX-130 by 15.02.2013, 11 A.M**. If needed, the suppliers may be asked to make a technical presentation before the committee.

Institute reserves the right to accept or reject any of the offers without assigning any reasons.

Specifications for Thermal Conductivity Analyzer based on transient plane source technique

Technical Specifications:

IIT Delhi invites quotations for **Thermal Conductivity Tester for Textile Fabrics** capable of measuring thermal conductivity, diffusivity and heat capacity with computer interface and associated window based software with facility to export data to MS EXCEL to obtain required parameters.

The essential features of the equipment are given below:

- Thermal conductivity range: 0.01 to 400 W/m.K
- Thermal diffusivity: 0.1 to 100 m^2/s
- Specific heat capacity: upto 5 MJ/m^3K
- Minimum sample thickness: 0.1mm
- Maximum sample thickness: 25 mm
- Precision: Better than 1%
- Accuracy: Better than 5%
- 04 sensors (2 mm, 3-4 mm,6-7 mm and 60mm) with cables
- Material testing capability: Solids, liquids, powders, pastes, thin film, Film like Textile and Paper Materials
- Suitable for 230 VAC 50 Hz Power Supply
- Onsite installation and training for two days
- 2 year Comprehensive warranty

Annexure I

Envelope A: Technical Quote: The following details are to be enclosed *(Mention clearly on this envelope – **Technical Quote**)*

1. Technical brochures mentioning all details with complete address of the principals.
2. A compliance chart based on the specifications as per the NIQ.
3. Any optional equipment / accessory advised to be included separately.
4. Installation requirements including gases and chillers, UPS, etc.
5. List and addresses of organizations where the equipment has been supplied in last 3 years in India.
6. Details of other equipment supplied to IIT Delhi specifying the Department/ centre / lab to which the equipment was supplied. Also mention if the equipment is being maintained by your organization.
7. Address of the technical office, in India, with telephone and FAX numbers. Kindly clarify the type of support available in India.
8. If quote is for imported equipment, Sole Agency-ship certificate on the letterhead of the principal company, if quotation is from an Indian Agent.
9. Proprietary Item Certificate from the principals, if applicable.

Envelope B: Financial Quote: The following details are to be enclosed/ ensured. *(Mention clearly on this envelope – **Financial Quote**)*

1. The quotations for the equipment in foreign exchange, if it is to be imported. The cost of spares and optional equipment to be quoted separately. The cost should be based on FOB, Factory. If equipment is indigenous, the quote should be in INR and all taxes applicable should be mentioned clearly.
2. Institute makes payment after delivery and successful installation. In case the payment terms are different, it should be mentioned clearly. If equipment is to be imported, the address of the company in whose name the LC is to be opened should be stated.
3. The comprehensive Warranty period.
4. The details of the AMC after the warranty period.
5. Cost for Installation and training at site, if needed, to be provided.
6. Validity of the quote should be 90 days.
7. The delivery period to be clearly specified.