

**Indian Institute of Technology Kanpur**  
**Department of Physics**  
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**Enquiry no.: IITK/PHY/SN/NC-2/2016**

Enquiry date: 05/05/2016

Closing date: 16/05/2016

**Request for submission of quotation for “High precision capacitance Dilatometer and PPMS probe”**

Dear Sir/Madam,

We are interested in purchase of high precision capacitance dilatometer and PPMS probe along with complete accessories (without the capacitance bridge). Our organization is an educational institute of repute and liable to get **educational discount** from the manufacturer/supplier. Please specify the discounts separately.

Sealed quotation(s) (in hard copy) are required on or before 16/05/2016 latest by 5 PM, meeting all technical specifications as mentioned below:

**1. Capacitance Dilatometer - 1 no.s**

Technical specifications:

- Capable of thermal expansion and magnetostriction measurements from 300 K down to about 25 mK.
- With a resolution of 0.02 Å at low temperatures.
- The main body of the dilatometer must be fabricated from a single block of a Be-Cu.
- Diameter of the dilatometer should not exceed 30 mm and must be suitable for mounting inside a Quantum Design PPMS.

**2. Dilatometry PPMS Probe - 1 no.s**

Technical specifications:

- Must fit with the PPMS.
- Should contain one Fischer and two Lemo connectors with gold plated thermal anchors.
- Cernox resistance thermometer should be mounted.

### 3. Coaxial and connecting cable - 1 no.s

#### Technical specifications:

- Pair of coaxial cable to connect between probe and the capacitance bridge.
- Coaxial cable for connecting cernox sensor.

#### Terms and conditions:

- Quotations should have a validity of a minimum of 60 days.
- Quotation(s) should be sent to the undersigned in hard copy only..
- Terms of payment and delivery period should be specifically stated.
- **The rate offered should include all taxes and Final CIP charges upto Delhi should be quoted.**
- Quotation should carry proper certifications like proprietary certificate, authorization certificate from manufacturer, etc.
- Warranty period should be stated.
- The equipment should be installed and installation charges should be specified.
- Software and Computer should be supplied along with the dilatometer.
- Institute is exempted for payment of Excise Duty under notification No. 10/97 & partially @ 5.15% Custom Duty exemption certificate under notification 51/96 and road permit will be provided if applicable.
- The Institute reserves the right of accepting and rejecting any quotations without assigning any reason.

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