

**Indian Institute of Technology Kanpur
Department of Physics**

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Enquiry No: IITK/PHY/2017-18/NC- 199
Enquiry date: 15/02/2018
Last date: 07/03/2018

Tender Notice

Sealed quotation should reach the undersigned latest by 5.00pm on 07th March, 2018 for the following item:

S.NO	Description of item	Quantity
1	Helium Level Sensor	02

The above –mentioned item should conform to the following specification:

Detailed description
Helium level sensor works by measuring the resistance of a fine superconductive filament. The current through the sensor maintains the filament in the normal (resistive) state in the helium gas and in the superconducting state in the liquid. The resulting voltage along the sensor is proportional to the length of filament above the liquid helium and provides a continuous measure of the helium depth.
Specifications
<ol style="list-style-type: none">1. Outside diameter: 0.25 inches2. Active length: 27.0 inches3. Non- active length at top of sensor < 4 inches4. Overall length < 32.0 inches5. Lead wires: 4 ea. 6 inch Teflon coated copper wires6. Sensor current: 75 mA (nominal)7. Sensor voltage < 70 V8. Sensor resistance (nominal): 11.4 ohms /inch at 20k; 13.3 ohms/ inch at 300k9. The sensor should be compatible with a standard liquid helium level monitor such as model 135 from American Magnetics.

Terms & Conditions:

- 1) Quotations must reach undersigned by **07.03.2018, 5.00 pm**
- 2) Quotations should have a validity of minimum of 90 days.
- 3) Technical specification sheets, authorization certificate or proprietary certificate (if applicable) and Any other relevant documentation should be included with the quotation.

- 4) Quotations are required in duplicate: (1) TECHNICAL BID (2) FINANCIAL BID, in separate Sealed envelopes, both to be finally put in one single envelope with Tender Enquiry Number Mentioned clearly in all sealed envelopes.
- 5) Please specify the maximum permissible educational discount, if any.
- 6) The delivery period should be specifically stated.
- 7) The rate offered should show both F.O.B (specify city) in the country of origin and CIF (New Delhi)
- 8) Please clearly mention the tax rate (like VAT etc.) and transportation charges up to IIT Kanpur, India.
- 9) Institute is exempted for payment of Excise Duty under notification No.10/97 & partially @ 5.15% Customs Duty exemption certificate under notification 51/96 and road permit will be provided if applicable.
- 10) After sales Service in India and warranty period should be clearly mentioned.
- 11) The Institute reserves the right of accepting and rejecting any quotation without assigning any reason.
- 12) Quotations by E-mail will not be accepted.

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