

Indian Institute of Technology, Kanpur
Department of Mechanical Engineering

Tender Document

Sub: ENQUIRY LETTER FOR HOT WIRE ANEMOMETER

Tender Enquiry Number: IITK/ME/PRJ/2022-23/04

Enquiry Date: 02.05.2022

Corrigendum

Please note the modifications in the dates (in red).

Closing Date: 21.05.2022

Opening Date: 22.05.2022

Quotations are invited for the above-mentioned subject as per the technical specifications given below:

Specifications

1. A constant-temperature hot-wire anemometer system/module that works with a single hot-film sensor for measurements of wall shear stress is required.
2. Bandwidth: DC to 10 kHz or better.
3. Allowable range of probe cold resistance: 4-16 Ohm or wider range is desirable.
4. Option of low-pass filters with multiple user-selectable cut-off frequencies is desirable.
5. Provision of continuously adjusting DC offset and DC gain to any value (within the range) is desirable.
6. Noise: less than 1 mV peak-to-peak (top of bridge) at DC-10 kHz bandwidth desirable.
7. The anemometer should work with Dantec flush mounted hot-film probe 55R46:
<https://www.dantecdynamics.com/components/hot-wire-and-hot-film-probes/single-sensor-probes/film/>
8. The anemometer should work with any ADC card with a +/-10 V input voltage range.
9. Operating temperature range: 0° to 50°C.
10. Accessories such as power supplies and adaptors, if any, and BNC cables (two 5 m long cables) must be included.

Note: The Quotation should reach the undersigned in sealed envelopes on or before 5 Pm on **21st May 2022.**

Indentor Details:

Dr. Pranav Joshi,
Assistant Professor,
Department of Mechanical Engineering
Indian Institute of Technology, Kanpur-208016
Contact: 0512 259 2023, Email: jpranavr@iitk.ac.in

Terms and Conditions:

1. Maximum discount should be offered.
2. Quotations must be valid for minimum 60 days
3. Delivery period will be 6-8 weeks after receipt of purchase order.
4. IIT Kanpur is fully exempted from payment of GST on Imported Goods against our DSIR certificate.
5. IIT Kanpur is partially exempted from payment of Customs Duty (We will provide Custom Duty Exemption Certificate, CD applicable is 5.5%).
6. Manufacturer authorization certificate from principal company is required if you are a local supplier
7. Include Preparatory Item Certificate if applicable.
8. The Institute reserves the right of accepting or rejecting any quotation or bid without assigning any reason thereof.
9. All prices should be mentioned F.O.B/CIP/CIF New Delhi or Destination at IIT Kanpur.
10. Payment Terms: 100% after supply of the materials.
11. Bidder must clearly mention their contact details with address and email ID.

**Dr. Pranav Joshi**