

**Indian Institute of Technology Delhi  
Environmental Engineering Laboratory  
Department of Civil Engineering**

Date: 15-05-2012

**Notice Inviting Quotation**

Quotations are invited for the purchase of “**Pitot Tube or Mass flow Sensor with multifunctional parameter**” for the Department of Civil Engineering. 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 - Technical Quote (Specifications)**
- B - Financial Quote (Term and Condition)**

**Envelope A: Technical Quote:**  
(Mention clearly on the envelope – **Technical Quote**)

Technical Specification for **Pitot Tube or High Temperature Velocity Meter with multifunctional parameters**: The following details are to be enclosed.

**Essential Requirement:**

- Battery operated portable multifunctional instrument measurement of 3 parameters at a time with different probes and sensor
- **Probes/Sensor**: High temperature velocity or flow, Temperature and Relative Humidity, pressure
- **Data logger**: measure air velocity with hot wire, vane probe or Pitot tube to cover wide measuring range, light weight, LCD display with onsite print, 9V Battery type, PC RS232 interface, internal memory with at least 3000 data points and Material/Housing ABS.

**Measuring parameters specifications**

Instrument	Specification		Remarks
	Measuring range	Accuracy	
Hot air velocity (vane probe)	+0.6 to +20 m/s (up to <b>350 °C</b> ) <b>Note: Probe diameter-25 mm</b>	±(0.3 m/s ±1% of fsv)	Professional handle for plug-in air velocity to measurement instrument with ISO calibration
Temperature probe	At least upto <b>350 °C</b> Probe diameter – 25 mm	± (0.5 °C of mv) and 0.1°C resolution	Cable at least 1.5 m long requires
Humidity Sensor	0 to +100 %RH	±2 %RH and 0.1% resolution	high humidity range (long-term measurements)

**Note: Any optional accessories and professional software advised to be included separately**

- Installation/Calibration requirements
- List and addresses of organizations where the equipment has been supplied in last 5 years in India.
- 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.
- Address of the technical office, in India, with telephone and FAX numbers. Kindly clarify the type of

- support available in India.
- If quote is for imported equipment, Sole Agency-ship certificate on the letterhead of the principal company, if quotation is from an Indian Agent.

**Envelope B: Financial Quote:**

(Mention clearly on this envelope – **Financial Quote**)

**The following details are to be enclosed/ ensured.**

- The quotation must have validity of at least three months.
- The delivery period to be clearly specified.
- 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 CIF, New Delhi. If equipment is indigenous, the quote should be in INR and all taxes applicable should be mentioned clearly.
- Institute makes payment after delivery and successful installation. If equipment is to be imported, the address of the company in whose name the LC is to be opened should be stated.
- The product will be used for educational purposes. Any applicable academic institution discounts should be offered and stated. Detailed brochures should accompany the offer.
- Proprietary Item Certificate from the principals, if applicable.
- If the bidder is an authorized dealer, then the authorized Indian dealership certificate from the principles should be enclosed.
- **Comprehensive on-site warranty for <sup>two</sup> ~~three~~ years is required.** *Gazala Habib*

**Important Notice:**

**Institute reserves the right to accept or reject any or all of the quotations without assigning any reasons thereof.**

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 "**Pitot Tube or High Temperature Velocity Meter with multifunctional parameters**". The quotations should be submitted by **30/05/2012** at address given below:

*Gazala Habib*

**Dr. Gazala Habib**

**Block-IV**

**Room NO. 303**

**Civil Engineering**

**IIT Delhi**

**Hauz Khas, New Delhi – 110016 (India)**