

INDIAN INSTITUTE OF TECHNOLOGY KANPUR
Department of Civil Engineering

Enquiry letter for Temperature & Relative Humidity Sensors with Data Logger

Reference: IITK/CE/HWRE/TRH

Sir/Madam,

With reference to the subject mentioned above, you are invited to submit the quotation in a sealed cover for supply and installation of a temperature and relative humidity sensor with the following items. Technical specifications of the items are given in Annexure 1 and 2:

- a. Temperature & Relative Humidity Sensor (4 units)
- b. Data logger(s) for the sensors along with other accessories

These sensors will be installed at IIT Kanpur in Kanpur district of Uttar Pradesh

The quotation should have the following details:-

1. The rates should include all taxes, installation and commission of the sensors
2. Cost of each item/sensor separately
3. Technical specifications in detail
4. Warranty period
- 5. Educational discount considering end use for research and teaching**
6. Payment terms
7. Proprietary Certificate, if applicable
8. Any other relevant details

Terms and conditions:-

1. Sealed Quotation must reach to us till 13th December, 2017 before 5.00PM
2. Prices should be in Indian Rupees.
3. Normal payment terms for the Institute will be applicable (90% on delivery of the items and remaining 10% after satisfactory installation/inspection).
4. Single point of contact for support: Vender has to provide details of single point of contact viz. Designation, address, and email address, telephone/mobile no. Escalation matrix for support should also be provided with full details.
5. Validity of quotation should be at least for 30 days.
- 6. Delivery must be within 15 days from the date of purchase order.**
7. Quotation should carry proper certification like agency and/or proprietary certificate, etc.
8. IIT Kanpur authorities reserve all the rights to modify or cancel the tender at any stage.

The authorities will not be under any obligation for giving any clarification for it.



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Annexure 1:

Technical specification of the sensors

Sr. No.	Parameter	Features	Specifications
1.	Air Temperature	Range	-10°C to +60°C
		Accuracy	±0.2 °C or better (with radiation shield)
		Resolution	±0.1°C
		Response Time	10 sec or better
2.	Relative Humidity	Range	0 to 100% RH
		Accuracy	±1.5% or better
		Resolution	1%
		Response Time	10 sec. or better
		Setting Time	Max 500 ms
		Temperature Dependence	max ±0.05% RH/°C

Annexure 2

- a) The system shall automatically collect the observations from attached sensors, process the same and store them into its memory as per the pre-programmed procedure
- b) The number of analog/digital/ SDI channels in the data logger must be compatible to the sensors being supplied
- c) The sensor's signal conditioning unit should be an integral part of the system.
- d) The stored data shall be retrievable via serial port to a PC/laptop and a PCMCIA card or any other compact and commercially available solid state memory device.
- e) The system shall have a weather-proof housing.