

**COLLEGE OF ENGINEERING TRIVANDRUM
Thiruvananthapuram -16**

NOTICE INVITING TENDER

No.CET/128/2026-P1

26-03-2026

Tender ID	:2025_DTE_824192_1
Tender NO	:60/P1/Arch/25/CET
Superscription	:Purchase of Hot wire Anemometers and Wifi Climate Monitoring System for Building Science Lab in Architecture Department.
Last date and time of receipt of tender on the website (www.etenders.kerala.gov.in)	:16/04/2026 3PM
Date and time of opening of tender	:18/04/2026 3PM
3PDate up to which the rates are to be firm	:18/10/2026
Tender Cost	: 354/- (300/- Should be payed to department 54/- Should be payed to GST department by bidder)
EMD required	: 1395/-

General conditions

1. The price quoted should be inclusive of all taxes, freight charges, delivery, transporting, packing, shipping, loading and unloading charges, installation and commissioning charges and should be furnished unambiguously.
2. Payment: 100 % after successful supply, installation, and satisfactory performance.
3. The item should have a minimum warranty of 2 year.
4. Delivery Period: Maximum Delivery period will be 60 days from the date of receipt of supply order.
5. The item should be supplied at Building Science Lab , Architecture Department of this institution
6. Agreement as per NIT 2 in Rs.220/- Kerala Stamp Paper and tender form should be uploaded.

7. 5% security deposit along with agreement should be furnished within a month/fortnight from the date of receipt of supply order.
8. Date of opening of tender : In case the proposed date declared as holiday, the tender will be opened on the next working day.
9. Only GST registered firms can participate in the Tender. GST number must be mentioned. The firm under composition scheme must mention the words "Composition taxable person" in their documents and should submit proof for that.

NB: The Tender procedure will be made as per Rules mentioned in the Revised Store Purchase Manual.

The bidders should participate this tender through E-Tendering System. Tender cost and EMD should be submitted only through online. For more details Contact Ph. 9496640532 , 9884402791

Detailed Specification

Hot wire anemometer - thermal hot wire anemometer with App connection and fixed telescope (max. 820 mm), incl. carrying bag, calibration protocol and 3 X AA batteries

Hot wire :

Measuring range 0.01 to 30 m/s

Accuracy ± 1 digit $\pm(0.03$ m/s + 4% of m.v.) (0.01 to 20 m/s)

$\pm(0.5$ m/s + 5% of m.v.) (20.01 to 30 m/s)

Resolution 0.01 m/s

NTC :

Measuring range -20 to +70 °C

Accuracy ± 1 digit ± 0.5 °C (1 to 30 m/s)

Resolution 0.1 °C

General technical data:

Operating temperature

Measuring instrument: -20 to +50 °C

Probe: -20 to +70 °C

Storage temperature -20 to +50 °C

Battery type 3 x AA

Battery life 35 h
Dimensions Measuring instrument: 135 x 60 x 28 mm
Probe: Length 180 mm, Ø 7.5 mm
Cable length 1.5 m
Weight 268 g
Protection class IP20
Housing material - ABS + PC / TPE

Warranty: 2 years on the instrument.

WiFi IAQ data logger with display and integrated sensors for temperature, humidity, CO2 and atmospheric pressure

Technical data :

Humidity - Capacitive

Measuring range 0 to 100 %RH (non-condensing)
Accuracy ± 2.0 %RH at +25 °C and 20 to 80 %RH
 ± 1.0 %RH / year drift
 ± 1.0 %RH hysteresis
 ± 3.0 %RH at +25 °C and < 20 and > 80 %RH
Resolution 0.1 %RH

Absolute Pressure

Measuring range 600 to 1100 mbar
Accuracy ± 3 mbar at +22 °C
Resolution 1 mbar

Ambient CO₂

Measuring range Ambient humidity: 0 to 99 %RH (non-condensing)
0 to 5000 ppm
Accuracy $\pm (50 \text{ ppm} + 3 \% \text{ of mv})$ at 25 °C
Without external power supply:
 $\pm (100 \text{ ppm} + 3 \% \text{ of mv})$ at 25 °C
Resolution 1 ppm

Temperature

Measuring range 0 to +50 °C
Accuracy ± 0.5 °C ± 1 Digit
Resolution 0.1 °C

General technical data

Alarm function. LED (traffic light function: red, yellow, green)
Display type LCD

Power supply 4 x AA batteries 1.5 V, alternatively mains unit via USB connection
Interface USB
Radio range 100 m
Memory 32,000 Measuring values / Sum of all channels

Warranty: 2 years on the instrument.

Digitally Approved by
K SURESH
PRL CET

The document is digitally approved. Hence signature is not needed.