



IRTC

Integrated Rural Technology Centre

Grant-in-aid institution of KSCSTE, Government of Kerala



Mundur (PO), Palakkad (Dist.), Kerala



0491-2832663, 2832324, 9188183296



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www.irtc.org.in

Quotation Notice No. IRTC/P/ 11 /2025 – 26 Dated 02 – 02– 2026

Quotations are invited from the manufactures/authorised distributors for the supply of the following items for the implementing the project under **PLAN GRANT 2025 – 26**.

Quotation should be sent to the following address :

Registrar, IRTC, Mundur, Palakkad, Kerala – 678592, Phone 2832663, 2832324, 9188183296.

Last Date of Receipt : 09 – 02 - 2026. 5 pm

Name of Equipment: **Continuous Ambient Air Quality Monitoring System**

Sl. No.	Parameter	Specifications
1	System Type	Continuous Ambient Air Quality Monitoring System
2	Manufacturer	ISO certified OEM
3	Enclosure Protection	Minimum IP65 outdoor
4	Operating Temperature	-10 °C to 55 °C or better
5	Operating Humidity	Up to 90% RH
6	Power Consumption	≤ 10 W
7	Power Supply	AC with solar option
8	Battery Backup	≥ 8 hours
9	Processor	Industrial grade
10	Memory	≥ 1 GB RAM
11	Data Storage	≥ 30 days
12	Sampling Type	Active sampling
13	Warm-up Time	≤ 72 hrs
14	Data Interval	Configurable
15	Connectivity	GSM/Ethernet/WiFi
16	Data Protocol	HTTP/Cloud
17	Firmware	Remote update

18	PM Measurement	PM1, PM2.5, PM10
19	Gas Measurement	CO, CO2, NO, NO2, SO2, O3, H2S
20	Noise Measurement	Required
21	Meteorological	Temp, RH, Pressure
22	Sensor Principle (PM)	Optical
23	Sensor Principle (Gas)	Electrochemical/NDIR
24	Calibration	EPA/NIST traceable
25	Data Security	Encrypted cloud
26	Mounting	Pole/Wall
27	Internal Storage	Mandatory
28	Certifications	CE, FCC, RoHS



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REGISTRAR

Registrar
 Integrated Rural Technology Centre
 Mundur, Palakkad - 678 592
 Kerala