



**OFFICE OF THE CHIEF DISTRICT MEDICAL & PUBLIC HEALTH
OFFICER, SAMBALPUR**

District Programme Management Unit (NHM/NCD)

District Headquarter Hospital, Modipara, Sambalpur
Ph No: 0663-2400441, Email:npdcssambalpur@gmail.com



Notice No: 24 /NCD/SBP,

Date: 03 / 01 / 2025.

QUOTATION CALL NOTICE

Sealed quotations are invited from the intending reputed Firms / suppliers/ distributor etc, having valid PAN & GST no. to offer their rates for "Supply of Digital Air Quality Monitoring Devices (AQMD) under NPCCHH Programme, Sambalpur". The willing bidders are requested to submit their sealed quotations to the office of the undersigned by Speed post/ Regd. Post/ Courier/ by Hand on or before dated 16/1/2026 at 5 PM. The said quotation will be opened on date 17/1/2026 at 12 Noon in the office Chamber of the undersigned. The bidders or their representatives are requested to remain present in the fixed date & time for opening of quotations. The details terms & conditions and items list can be obtain from CDM & PHO office in office hour OR may request details in the office mail id i.e npdcssambalpur@gmail.com. Any quotations submitted after the above scheduled date will not be entertained by the undersigned.

Memo No: 25 /NCD/SBP, Date: 03 / 01 / 2025.

Copy forwarded to the Notice Board, Of the CDM & PHO/ DIPRO/ Collectorate, Sambalpur for information and necessary action. They are requested to display the same in their notice board for wide publication.


Chief District Medical & Public Health Officer,

✓ Sambalpur.

Memo No: 26 /NCD/SBP, Date: 03 / 01 / 2025.

Copy to the Members of District Purchase Committee for information and necessary action.


Chief District Medical & Public Health Officer,

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Term & Conditions

1. Tender document obtained from office of CDM & PHO, Sambalpur in office hour or request to receive in mail.
2. The bidder should have PAN & GST registration certificate in respect of GST copy of the same should be enclosed.

3.1 Eligibility Criteria:

- The vendor must have prior experience in working on IoT-based devices.
- The vendor should provide evidence of successful testing of its (Air Quality Monitor (AQM) device, with the required specifications listed under 'Scope of Work', in at least one hospital in Odisha.

3.2 Installation, Calibration, and Training:

- The vendor must install the devices and ensure proper calibration.
- Training sessions must be conducted for hospital staff on device usage and data interpretation.

3.3 Annual Maintenance Contract (AMC):

- The vendor shall provide free AMC for the first year.
- AMC charges for subsequent years should be included in the proposed unit price of the device.

4. Proposal Submission Requirements

- Technical specifications of the device.
- Deployment plan and timeline.

5. Technical Evaluation Criteria (Submission of below mentioned document)

- Technical compliance with all relevant documents (40%)
- Document of Past experience of installation of the device in at least 1 health facility in Odisha (20%)
- Testing experience document (10%)
- AMC and after-sales support process document (10%)
- Bidder must have service center with registered office in Odisha for smoothening the support & service document (20%).

NOTE: Min Qualification (%) for bidder must be 60% to qualify in the Technical evaluation & consideration for Financial Evaluation.

6. The Items should be supplied /delivered at CDM & PHO, Sambalpur destination only and no charge for fright should be claimed.
7. The cover of the envelop super scribed as "Quotation for Supply of Digital Air Quality Monitoring Devices" (AQMD) under NPCCHH Programme, Sambalpur"
8. The rates quoted must be inclusive of all taxes.
6. The decision/ selection of purchase committee are final.
7. Any quotation received after due date & time will not be entertained.
8. Any postal delay the undersigned will not be held responsible.
9. The Technical documents & Financial documents will be in separate envelop and both envelop will be submitted in a single envelop with necessary super scription.
10. Payment will be made through Account Transfer after receipt of valid bill/invoice as per below mentioned Terms:
 - 90% payment will be released upon successful delivery and installation of the devices.



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- 10% will be released after successful calibration, validation, submission of performance reports & satisfactory feedback from the end user after 2 months stable operation.
11. The CDM & PHO, Sambalpur reserves all the right to accept, reject or modify the quotation for the supply of the item tendered without assigning any reason thereof.

Detail Technical Specification of the Item (SCOPE OF WORK)

The vendor shall provide Digital Air Quality Monitoring Devices with the following key features:

1. IoT Integration: Devices must be an IoT device with WiFi and 4G LTE-enabled for seamless data transmission, real-time monitoring, and remote access.
2. User Interface: The device should feature a 4-inch capacitive touch display with analog and digital clock face settings to hide data if required from unauthorized people.
3. Durability: Constructed with ABS-CF10 90CI material, capable of withstanding temperatures up to 150°C.
4. Power Supply: Should operate on 5V DC, with an Li-ion battery for at least 2hrs of back up.
5. **Sensor Specifications:**
At least four sensors should be onboard to measure the essential parameters. The specifications of the sensors, the various measurable parameters, and their required ranges should adhere to the following:

Parameter	Sensor Module Options	Measurement Range	Accuracy	Interface
CO ₂	Sensirion SCD30	400–10,000 ppm	±(30 ppm + 3%)	I ² C
	K30 CO ₂ Sensor	0–10,000 ppm	±(30 ppm + 3%)	UART, Analog
	MG811	350–10,000 ppm	±(50 ppm + 3%)	Analog
TVOC	EC Sense TB600B-TVOC-10	0–10 ppm	±0.1 ppm	UART
	Winsen ZE40B-TVOC	0–2 ppm	≤0.01 ppm	UART
	Renesas ZMOD4410	0–1,000 ppb	±10%	I ² C
	ASAIR AGS02MA	0–99999 ppb	±10%	Analog/Digital
PM	Plantower PMSA003	PM1.0/2.5/10: 0–500 µg/m ³	±10 µg/m ³	UART



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	Panasonic SN-GCJA5	PM2.5: 0–1,000 $\mu\text{g}/\text{m}^3$	$\pm 10\%$	I ² C, UART
	Honeywell HPMA115S0	PM2.5: 0–1,000 $\mu\text{g}/\text{m}^3$	$\pm 15\%$	UART
	Sen54	0–1,000 $\mu\text{g}/\text{m}^3$	$\pm 10\%$	UART/I ² C
	Sensirion SPS30	0–1,000 $\mu\text{g}/\text{m}^3$	$\pm 10\%$	UART/I ² C
Temperature & Humidity	Sensirion SHT31	Temp: -40 to 125°C; RH: 0–100%	Temp: $\pm 0.3^\circ\text{C}$; RH: $\pm 2\%$	I ² C
	DHT22 (AM2302)	Temp: -40 to 80°C; RH: 0–100%	Temp: $\pm 0.5^\circ\text{C}$; RH: $\pm 2-5\%$	Single-wire
	DHT11	Temp: 0 to 50°C; RH: 20–90%	Temp: $\pm 2^\circ\text{C}$; RH: $\pm 5\%$	Single-wire
	AS6212	Temp: -40 to 125 °C		
	Bosch BME280	Temp: -40 to 85°C; RH: 0–100%	Temp: $\pm 1^\circ\text{C}$; RH: $\pm 3\%$	I ² C/SPI

- 24x7 Monitoring: Real-time tracking of pollutants to ensure comprehensive coverage.
- Data Storage and Analytics: Devices must securely store data on cloud for both short-term and long-term analysis.
- Actionable Insights: Must include alert messages and action prompts.
- Customizability: Scalable design to adapt to diverse hospital microenvironments.



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Financial Format

All bidders are required to adhere to the following financial terms, Components and Remarks before quoting the cost.

	Component	Cost (INR)Incl all Tax	Remarks
1	IoT-enabled Air Quality Monitoring Device (per unit)		Inclusive of all taxes and duties
2	Data Collection, Cloud Storage & Analysis (per device/2 year)		2 yrs cost; to be renewable after 2 yrs based on performance
3	Installation and Training (per location)		One-time cost; to include all logistics, material, and manpower
4	Annual Maintenance Charges (from 2nd year onward)		Maximum per annum; free AMC for the first year
	Total Financial Cost (per unit)		

Signature of the Tenderer

With Seal