

MfgCore Engineering Ltd.

Procurement Department - Smart Manufacturing Division

Mumbai, India

Request for Proposal (RFP)

RFP ID: RFP-2024-001

RFP Title: Enterprise IoT Sensor Network - Manufacturing Plant

Date of Issue: 9th November 2025

Submission Deadline: 20th November 2025

1. Objective

MfgCore Engineering Ltd. invites OEMs and authorized vendors to submit proposals for the supply, testing, and delivery of IoT-based Temperature and Humidity Sensors for our upcoming smart manufacturing facility located in Pune, India.

2. Scope of Supply

Sr. No.: 1

Product Description: Industrial Temperature and Humidity Sensor

Quantity: 500 Units

Delivery Location: Pune Plant - Sector 3, MIDC

3. Technical Requirements

Temperature Range: -40C to +125C

Humidity Range: 0-100% RH

Accuracy: +/-0.5C (Temp), +/-2% RH

Sensor Type: Digital

Connectivity: LoRaWAN

Power Supply: 3.3-5V DC

Enclosure: IP65 Industrial-grade

Operating Altitude: Up to 3000 m

Certifications: CE, FCC, RoHS

4. Testing and Acceptance Requirements

The following tests are mandatory before acceptance of the delivery:

1. Environmental Testing (Temperature, Humidity, Vibration)
2. Electromagnetic Compatibility (EMC) Testing
3. Reliability and Lifetime Testing (minimum 10,000 hours MTBF)

Test reports must be provided from NABL-accredited or equivalent labs.

5. Evaluation Criteria

Technical Compliance: 70%

Commercial Competitiveness: 30%

6. Commercial Terms

All prices must be quoted in USD.

Prices should include material cost, testing, packaging, and delivery.

Payment Terms: 50% on order, 50% after successful acceptance tests.

Proposal Validity: 60 days from date of submission.

7. Submission Details

Submission Deadline: 20-November-2025, 5:00 PM IST

Submission Email: procurement@mfgcore.com

Subject Line: RFP-2024-001 - Proposal Submission - [Vendor Name]

8. Contact Information

For any clarifications:

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End of Document - MfgCore Engineering Ltd. 2025