



भारतीय उष्णदेशीय मौसम विज्ञान संस्थान

(पृथ्वी विज्ञान मंत्रालय, भारत सरकार का एक स्वायत्त संस्थान)

डॉ. होमी भाभा मार्ग पाषाण, पुणे- ४११ ००८

INDIAN INSTITUTE OF TROPICAL METEOROLOGY

(An Autonomous Institute of the Ministry of Earth Sciences, Govt. of India)

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सं. पीएस/ PS/125/36/2025

दिनांक - 12 फ़रवरी 2026

सेवा में / To,

विषय - एक्स-रे फ्लोरोसेंस का उपयोग करके पार्टिकुलेट मैटर के लिए हाई रेज़ोल्यूशन कंटीन्यूअस मल्टी-मेटल मॉनिटरिंग सिस्टम की आपूर्ति, इंस्टॉलेशन और कमीशनिंग, मात्रा 1 नग के संदर्भ में।

Sub.: Supply, Installation and Commissioning of High Resolution Continuous Multi-Metal Monitoring System for particulate matter using X-ray Fluorescence, Qty. 1 No.

संदर्भ - इस संस्थान का दिनांक 01/01/2026 समसंख्यक निविदा जांचपत्र

Ref - This Institute's Tender enquiry of even number dated 01/01/2026

प्रिय महोदय/ Dear Sirs,

यह संस्थान उपरोक्त विषयानुसार सामग्री की खरिद करना चाहता है। इसलिए इच्छुक बोलीदाताओं से अनुरोध है कि अपनी तकनीकी तथा कीमत बोली निम्नलिखित निर्देशानुसार प्रस्तुत करें।

This Institute wishes to procure goods as per subject cited above. Therefore, interested bidders are requested to submit their Technical and Price bids as per the instructions given below;

बोली प्रस्तुत करने की अंतिम तिथि 29 जनवरी, 2026 से 19 फ़रवरी, 2026 को 1500 बजे तक बढ़ाई जाती है।

The last date of submission of bids is extended from 29th January, 2026 to 19th February, 2026 upto 1500 hrs.

तकनीकी बोली उसी दिन 1530 बजे ऑनलाइन पद्धती द्वारा खोली जाएगी।

Technical Bids will be opened on the same day at 1530 hrs. through online mode only.

तकनीकी विशिष्टीकरण और अन्य सभी विनियम एवं शर्तें अपरिवर्तित रहेंगी।

Technical specifications and all other terms and conditions will remain unchanged.

बोलीदाता जो उपर्युक्त निविदा में भाग लेना चाहते हैं, उन्हें वेब पोर्टल <https://moes.ewizard.in> पर उपलब्ध सूचना के अनुसार पंजीकृत करना होगा।

Bidders willing to participate for the above tender, has to get registered themselves on web portal <https://moes.ewizard.in> as per the instruction available at there.

धन्यवाद / Thanking you



(श्रीमती योगिता कड / Smt. Yogita Kad)
प्रशासनिक अधिकारी / Administrative Officer
कृते निदेशक / for Director

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भारतीय उष्णदेशीय मौसम विज्ञान संस्थान, पुणे
INDIAN INSTITUTE OF TROPICAL METEOROLOGY, PUNE
Minutes of the Technical Evaluation Committee (TEC) meeting held on 04.02.2026

The Director, IITM Pune, has constituted a technical evaluation committee (TEC) for processing proposals related to the “Aerosols, chemistry, Cloud Lightning & electricity” Instruments Vide No. Comm./2025/68 date 04 Aug 2025. The primary mandate of the committee was to finalize specifications for various instruments and to evaluate the technical bids received. Accordingly, TEC meeting was convened online on 4 February 2026 at 5:00 PM to finalize the specification and to evaluate the technical bid for various instruments.

Reference to Pre-Bid Meeting: The Committee noted that a Pre-Bid Meeting was held on 09 January 2026, wherein prospective bidders raised technical and operational queries related to the **Online Metal Analyzer**.

All queries received during the pre-bid meeting were: Examined in detail by the Indenting Division, and addressed through scientifically justified clarifications and revisions, wherever required.

The final revised technical specifications, incorporating the outcomes of the pre-bid meeting dated 09 Jan 2026, were placed before the TEC for consideration.

Scientific justification for:

- i. Requirement on XRF calibration standard
- ii. Automated source characterization software
- iii. Clarification on quantity of consumables

Summary of bidder queries and IITM’s responses

Committee Deliberations and Decisions

Online metal analyzer: After detailed deliberation, the Committee observed that the technical specifications finalized after the pre-bid meeting dated 09 January 2026 are as below:

Tender Specification	Existing Technical Specification mentioned in the Tender	Queries from bidders	IITM Response
XRF Calibration Standards for the required elements	<p>Aerosol concentration calculated by dividing the XRF determined elemental mass by total sample volume</p> <ul style="list-style-type: none"> • Mass calibrated with XRF standards that are gravimetrically traceable to National Institute of Standards (NIST) • Flow calibrated with device that is calibrated traceable to NIST 	<ol style="list-style-type: none"> 1) Mass calibrated with XRF standards that are gravimetrically traceable to National Institute of Standards (NIST). 2) Flow calibration (SS316 + NIST SRM 2783) is acceptable 	<ol style="list-style-type: none"> 1. Standards for the mentioned 30 elements are required to be quoted by the vendor. 2. Yes. Vendor should provide flow calibration report using NIST verified flow calibrator for this.
Automated Source	1. Integrated software for easy assessment of data	1) Whether these are compulsory expectation	1. Not compulsory.

<p>Characterization Software Specifications</p>	<p>collected on system</p> <p>2. The obtained data should have simultaneous AWS data along with the metal concentration.</p>	<p>or they are optional through an advanced software module</p> <p>2) Whether availability of meteorological data (wind speed and wind direction) is to be considered within the bidders' scope or will be provided by the user. If the latter, we need the met sensor standard you use and we will specify exactly what is included in the delivered ASC module and in what format (on-instrument vs PC post-processing).</p>	<p>2. Not compulsory.</p>
<p>Consumables for 5 years</p>	<p>All Consumables for 5 Year (Teflon Tape, other filter papers for manual samplings, pumps, XRF tube, pump, detector and other accessories required to run the instrument smoothly) Accessory filter papers for assessment (Quartz, PTFE, Glass fibers for 5 years)</p>	<p>1) Please note that high-consumption items (filter tape) depend strongly on sampling interval (e.g, 30 min vs 2h) and site operating hours. Hence, to size the pack accordingly we would need the approx. operational schedule of the device in the next 5 years.</p>	<p>1. The instrument will be run continuously for 12 months annually.</p>
<p>Comparison Studies</p>	<p>At least five peer-reviewed journal articles including comparisons with ICP-MS. Details should be provided upon request for the same.</p>	<p>1) Is it compulsory to have published articles with our device? Our device is being used at monitoring stations in some countries, and there are no published articles on the same. On the same. Can you waive off this technical aspect from the compliance document to enable our participation for the same.</p>	<p>1. Published research article is not a mandatory clause. Detail technical report should be provided by the vendor.</p>

Request for EMD Exemption		1) We, Alfatech services pvt ltd, are a “MICRO” Enterprise registered as a Manufacturer with the Ministry of Micro, Small and Medium Enterprises (MSME), we had been granted exemption from submission of EMD BY THE REQUEST IITM-Pune to consider EMD Exemption for our organization to enable participation in this tender.	1. The exemption will be provided exactly as per the guidelines issued by MSME. Bidder may ensure their eligibility accordingly while submission of the bid.
TENDER Description		Query	Response
TENDER Description		Query	Response
Not a Query from Bidders	Lower detection limit should be at least 50 ng/m ³	There was a typo in the original bid: 50 ug/m3 instead of 50 ng/m3	Now changed to 50 ng/m3 in Section 7 of Technical Specifications.

The meeting ended with thanks to the chair.