



Tender Notice

Request for Proposal – Gas Chromatography – Mass Spectrometry (GC-MS)

(RFP-IITD AD-PD 26/037)

Indian Institute of Technology Delhi – Abu Dhabi (IITD-AD) invites Expressions of Interest (EOI) from qualified and experienced service providers for the provision of a **Gas Chromatography – Mass Spectrometry (GC-MS)** system to support qualitative and quantitative analysis of volatile and semi-volatile organic compounds.

Brief Project Scope:

Project Overview	IITD-AD seeks to procure a high-performance research-grade Gas Chromatography–Mass Spectrometry (GC-MS) system to support qualitative and quantitative analysis of volatile and semi-volatile organic compounds. The proposed system shall provide efficient chromatographic separation, mass-based compound identification, trace-level detection, spectral-library matching, calibration, method development, and reliable reporting for research, advanced teaching, industrial collaboration, and consultancy activities. The procurement aims to establish a versatile organic analytical characterization platform suitable for teaching and research in catalysis and reaction engineering; biomass conversion and sustainable fuels characterization; carbon capture and utilization research; petrochemical and refinery stream analysis; environmental VOC and semi-volatile organic compound analysis; residual solvent and impurity profiling; pharmaceutical and food analysis; reaction monitoring and process development. The platform will support academic teaching and research, interdisciplinary projects, sponsored research, and external consultancy services. The system is intended as a long-term shared analytical facility with a defined upgrade pathway toward additional ionization modes, advanced sample introduction systems, and compatible software modules.
Objectives	The primary objectives of this engagement are: • Procure a research-grade GC-MS system capable of sensitive qualitative and quantitative analysis of volatile and semi-volatile compounds. • Establish a high-performance analytical platform for undergraduate, postgraduate, PhD, and postdoctoral laboratory teaching, thesis work, and advanced experimental training. • Enable hands-on training in chromatographic separation, mass spectrometric detection, sample preparation, calibration, library search, method development, data interpretation, and laboratory safety.



	Facilitate advanced research involving trace organic detection, impurity profiling, degradation studies, reaction monitoring, natural product screening, catalyst evaluation, and routine sample characterization.
Scope	The requirements include: The procurement includes supply, installation, commissioning, calibration, training, warranty support, and after-sales maintenance of a complete GC-MS system. The scope shall include, but not be limited to: - Gas chromatograph with programmable oven and suitable inlet system. - Mass spectrometer with electron ionization source, quadrupole mass analyser, detector, GC-MS interface, and vacuum system. - Carrier-gas control system and compatible gas connections, regulators, tubing, and connectors. - Data acquisition, qualitative and quantitative analysis, calibration, library search, method development, and reporting software. - Licensed mass spectral library such as NIST, Wiley, or equivalent. - GC column starter kit, consumables, tuning standards, calibration standards, septa, liners, ferrules, and items required for initial operation. - Computer workstation with licensed software and required data export options. - Liquid autosampler system. - Installation, commissioning, performance demonstration, acceptance testing, user training, application support, and technical documentation. - Minimum three years comprehensive warranty from successful commissioning and final acceptance. - Optional accessories may include headspace sampler, thermal desorption interface, purge-and-trap interface, pyrolysis interface, additional columns, and other compatible accessories.



Confidentiality & NDA Requirement

The detailed RFP documents contain confidential information. Interested suppliers must download, complete, sign, and submit the **Non-Disclosure Agreement (NDA)** as an **Expression of Interest (EOI)**.

EOI / NDA Submission Deadline:
20th July 2026, 3:00 PM (UAE Time)

Signed NDAs should be submitted to: procurement@iitdabudhabi.ac.ae

Upon receipt of a duly signed NDA, eligible suppliers will receive the complete RFP package.

Key Procurement Milestones

Milestone	Date
NDA Publication / RFP Launch	Wednesday 15th July 2026
EOI & Signed NDA Submission Deadline	Monday 20th July 2026, 3:00 PM
RFP Document Release	Tuesday 21st July 2026
Clarification Questions Deadline	Thursday 23 rd July 2026, 3:00 PM
Clarification Responses Issued	Monday 27th July 2026
Proposal Submission Deadline	Monday 3rd August 2026, 3:00 PM
Intent to Award	Mid- August 2026

For further information, please contact procurement@iitdabudhabi.ac.ae.