



Tender Notice

Request for Proposal – Spectroscopic Ellipsometer System

(RFP-IITD AD-PD 26/038)

The Indian Institute of Technology Delhi – Abu Dhabi (IITD-AD) intends to procure an Advanced **Spectroscopic Ellipsometer** System to support cutting-edge research in thin films, semiconductors, nanotechnology, photonics, plasmonics, optical coatings, energy materials, quantum materials, MEMS/NEMS devices, and advanced functional materials.

Brief Project Scope:

Project Overview	The Indian Institute of Technology Delhi – Abu Dhabi (IITD-AD) intends to procure an Advanced Spectroscopic Ellipsometer System to support cutting-edge research in thin films, semiconductors, nanotechnology, photonics, plasmonics, optical coatings, energy materials, quantum materials, MEMS/NEMS devices, and advanced functional materials. The proposed system shall provide comprehensive optical characterization capabilities including spectroscopic ellipsometry, reflectometry, transmission measurements, scatterometry, Mueller Matrix characterization, automated wafer mapping, and temperature-dependent optical measurements. The procurement objective is to establish a state-of-the-art optical metrology platform capable of delivering high-accuracy thickness determination, optical constant extraction, anisotropy characterization, depolarization analysis, and advanced nanostructure metrology while maintaining future expandability toward Mid-Infrared spectroscopic ellipsometry, which will be helpful for UG , PG and Research students to achieve their research objectives.
Objectives	The procurement of an advanced Spectroscopic Ellipsometer System aims to: • Establish a research-grade optical metrology facility. • Enable advanced thin-film and multilayer characterization. • Support semiconductor and photonics research. • Provide Mueller Matrix characterization capability. • Enable scatterometry measurements for nanostructures. • Support wafer-scale mapping and cartography. • Facilitate temperature-dependent optical measurements.



	• Enable future Mid-IR ellipsometry expansion. • Support collaborative academic and industrial research.
Scope	Supply and installation of an advanced Spectroscopic ellipsometer system with features: an automated goniometer, a CCD-array spectrograph, Polarization optics, an automated mapping stage, Micro spot optics compatibility and options, Mueller Matrix capability, Scatterometry functionality, Reflectometry and transmission capability, a software suite and modelling, etc. The supplier shall provide training, technical documentation, warranty, and post-installation support to ensure reliable operation.



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**.