



Tender Notice

Request for Proposal – Isothermal Calorimeter

(RFP-IITD AD-PD 26/042)

The Indian Institute of Technology Delhi – Abu Dhabi (IITD-AD) intends to procure a research-grade **Isothermal Calorimeter** to support sustainable cement and concrete research focused on reducing carbon emissions and improving construction material performance. The equipment will enable advanced studies on hydration kinetics, SCM reactivity, admixture compatibility, sulfate optimization, and early-age thermal behaviour of low-carbon binders. The procurement supports IITD-AD's broader teaching and research objectives in sustainable and durable infrastructure materials.

Brief Project Scope:

Project Overview	IITD-AD intends to procure a research-grade Isothermal Calorimeter to support sustainable cement and concrete research focused on reducing carbon emissions and improving construction material performance. The equipment will enable advanced studies on hydration kinetics, SCM reactivity, admixture compatibility, sulfate optimization, and early-age thermal behaviour of low-carbon binders. The procurement supports IITD-AD's broader teaching and research objectives in sustainable and durable infrastructure materials.
Objectives	• Support teaching and research on low-carbon cement and concrete systems. • Enable hydration studies for SCMs and alternative binders. • Optimize admixture compatibility and sulfate balance. • Improve durability and performance of sustainable materials. • Generate reliable early-age hydration and heat evolution data. • Support development of energy-efficient and resource efficient construction materials.
Scope	The procurement shall include supply, delivery, installation, commissioning, training, and warranty support for one research-grade Isothermal Calorimeter system for cementitious materials research and teaching. The equipment shall support hydration kinetics, SCM reactivity, admixture compatibility, sulfate optimization, setting time, and degree of hydration studies. Key requirements include: • Minimum 8 usable channels, • Compliance with RILEM R3/ ASTM C1897-20 reactivity testing • Reusable sealed sample holders, • Stable temperature-controlled operation, • Software features for hydration, setting time, etc. analysis and data export, • Inclusion of accessories, manuals, and technical support.

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**.