



Indian Institute of Technology Jodhpur

N.H. 62, Nagaur Road, Karwar, Jodhpur - 342030, Rajasthan (India)

☎ 0291-280-1252 | ✉ office_cse@iitj.ac.in

Website: CSE: www.iitj.ac.in/computer-science-engineering | IITJ: www.iitj.ac.in

INDIAN INSTITUTE OF TECHNOLOGY JODHPUR

Request For Technical Information and Pro Forma Quotations For Procurement of DMA/TMA Instrument

1. Introduction

The Indian Institute of Technology Jodhpur (IIT Jodhpur) intends to procure **DMA/TMA Instrument** for academic and research purposes.

Before initiating the formal procurement process, the Institute invites **Technical Information And Indicative Pro Forma Quotations** from eligible Original Equipment Manufacturers (OEMs) or their authorized representatives.

2. Purpose

The objectives are to:

- Obtain technical information from prospective OEMs/authorized representatives.
- Obtain indicative Pro forma quotations for estimating the procurement cost.

3. Disclaimer

This document is issued **only for obtaining technical information and indicative Pro Forma quotations**.

Submission of information under this proposal:

- shall **not** be treated as a financial bid;
- shall **not** constitute any commitment on the part of IIT Jodhpur to procure the equipment;
- shall **not** confer any right upon the participating firm for award of any future contract;
- shall **not** automatically qualify the responding firm for participation in any future tender.

The Institute reserves the right to modify the technical specifications, estimated cost, procurement methodology, or procurement timeline based on its requirements.

4. Equipment Details

- Name of Equipment: **DMA/TMA Instrument**
- Quantity: 1
- Broad Functional Requirements: The proposed facility will characterize the temperature-, time-, frequency-, force-, and displacement-dependent behaviour of polymers, elastomers, composites, films, fibres, coatings,



Indian Institute of Technology Jodhpur

N.H. 62, Nagaur Road, Karwar, Jodhpur - 342030, Rajasthan (India)

☎ 0291-280-1252 | ✉ office_cse@iitj.ac.in

Website: CSE: www.iitj.ac.in/computer-science-engineering | IITJ: www.iitj.ac.in

biomaterials, ceramics, metals, and other engineering materials. DMA will measure storage modulus, loss modulus, tan delta, glass transition, creep, stress relaxation, and frequency-dependent properties. TMA will determine coefficient of thermal expansion, dimensional stability, glass transition, softening, shrinkage, and penetration behaviour. ***(Detailed Indicative technical specification is Attached)***

(The above requirements are indicative and may be revised after evaluation of the responses.)

5. Eligibility Criteria

Interested firms should:

- Be an Original Equipment Manufacturer (OEM) or an authorized distributor/dealer.
- Have experience in supplying similar equipment.
- Have adequate installation and after-sales service support in India.

6. Information/Documents to be Submitted

The interested firms shall submit the following (*Annexure-I*):

1. Company Profile.
2. Details of the OEM.
3. Product Brochure/Catalogue.
4. Detailed Technical Specifications.
5. Compliance with the Broad Functional Requirements.
6. List of previous users/clients with installation reports
7. Details of Warranty.
8. Details of After-Sales Service Support.
9. Authorization Letter from OEM (where applicable).
10. Any additional technical information relevant to the offered equipment.

7. Pro forma Quotation

- Interested firms are requested to submit a Pro forma Quotation (*Annexure-II*) along with their Request For Technical Information and Pro Forma Quotations response. Indicative **Pro Forma** quotation in Indian Rupees (INR), including the cost of the equipment, essential accessories, taxes, duties, freight, insurance, installation, commissioning, training, and any other associated charges. Wherever applicable, the Annual Maintenance Contract (AMC) and/or Comprehensive Maintenance Contract (CMC) charges and spare parts shall be quoted separately as additional charges.
- Expected delivery schedule and other relevant technical and commercial information.

Important Note:



Indian Institute of Technology Jodhpur

N.H. 62, Nagaur Road, Karwar, Jodhpur - 342030, Rajasthan (India)

☎ 0291-280-1252 | ✉ office_cse@iitj.ac.in

Website: CSE: www.iitj.ac.in/computer-science-engineering | IITJ: www.iitj.ac.in

- The **Pro Forma** quotation is required only for cost estimation and budget planning purposes.
- The prices quoted shall be indicative/non-binding.
- The Pro Forma quotation shall not be treated as a financial bid.
- Submission of a **Pro Forma** quotation shall not confer any right or preference in the subsequent procurement process.

8. Presentation/Demonstration

The Institute may invite for a technical presentation or product demonstration. The date and venue shall be communicated separately.

9. Submission :

Interested firms may submit their Proforma Quotations on or before the due date in sealed cover or through email (as applicable).

The envelope/email should be superscribed as:

"Request For Technical Information and Pro forma Quotations for Procurement of DMA/TMA Instrument"

8. Important Dates

Activity	Date
Publication	24-07-2026
Last Date for Submission	02-08-2026
Technical Presentation (if required)	To be informed
Clarification Meeting (if required)	To be informed

10. General Terms & Conditions

1. This **Request For Technical Information and Pro forma Quotations** is issued only for obtaining technical information and **Pro Forma** estimates.
2. The Institute reserves the right to accept or reject any or all responses without assigning any reason.
3. Submission of an **Request For Technical Information and Pro forma Quotations** does not create any contractual obligation.
4. The Institute may seek additional information, technical clarifications, demonstrations, or presentations from any participant.
5. The Institute may modify the technical requirements based on the responses received.
6. The final technical specifications may be prepared by the User Committee after evaluating all **Request For Technical Information and Pro forma Quotations** responses.



Indian Institute of Technology Jodhpur

N.H. 62, Nagaur Road, Karwar, Jodhpur - 342030, Rajasthan (India)

☎ 0291-280-1252 | ✉ office_cse@iitj.ac.in

Website: CSE: www.iitj.ac.in/computer-science-engineering | IITJ: www.iitj.ac.in

7. The subsequent procurement, if any, shall be carried out through an appropriate procurement method in accordance with the GFR 2017 and applicable procurement rules.
8. Participation in this **Request For Technical Information and Pro forma Quotations** does not automatically entitle any firm to participate in or receive any preference during the subsequent tender process.

11. Contact Details

Name: Dr Vikramsingh Rajendrasingh Thakur

Designation: Assistant Professor

Department: Materials Engineering

Email: vikramsinghthakur@iitj.ac.in

Technical Specifications – DMA/TMA Instrument

Sl. No.	Parameter	Technical Specification	Nature
1	Equipment Type	DMA/TMA or DMTA (Combined or two separate instrument)	Essential
<i>For Dynamic Mechanical Analysis</i>			
2	Temperature range	At least -150 °C to +600 °C using liquid nitrogen	Essential
	Maximum force	At least 18 N in axial DMA mode.	Essential
3	Low-force capability	force sensitivity/resolution of 1 mN or better.	Essential
4	Minimum Temperature rang	-120 to 600 deg. Cel.	Essential
5	Frequency range (Minimum)	0.01 to 150 Hz (Wider ranges are acceptable)	Essential
6	Deformation modes	Tension, 3-point bending, single/dual cantilever, shear, compression, films	Essential
7	Advanced capabilities	Torsion, axial-torsional testing, simultaneous rheology, real-time sample imaging, dielectric coupling or immersion testing may be offered as value-added options.	Optional
8	Software	Licensed software for method programming, instrument control, data analysis, curve comparison, report generation and data export. Time-temperature superposition/master-curve analysis shall be included or quoted.	Essential
9	Accessories	Computer, licensed software, cooling system, purge-gas accessories, calibration standards, installation kit and necessary utilities shall be included in the complete quotation.	Essential
<i>For Thermomechanical analysis</i>			
10	Temperature range	-150 to 1000 °C	Essential
11	Minimum Force range	0.01 to 2 N	Essential



Indian Institute of Technology Jodhpur

N.H. 62, Nagaur Road, Karwar, Jodhpur - 342030, Rajasthan (India)

☎ 0291-280-1252 | ✉ office_cse@iitj.ac.in

Website: CSE: www.iitj.ac.in/computer-science-engineering | IITJ: www.iitj.ac.in

12	Heating / scanning rate	0.1 to 50 °C/min	Essential
13	Core measurement modes	Expansion/compression and tension shall be supported. Penetration and three-point bending shall be available as standard or optional accessories.	Essential
14	Viscoelastic/transient tests	Creep and stress-relaxation or equivalent transient-force/displacement tests shall be supported or quoted as an option.	Preferred
15	Sample capacity	Capability for samples approximately 25 mm in length or higher and offered maximum dimensions shall be stated for each mode.	Essential
16	Advanced TMA methods	Temperature-modulated TMA, dynamic TMA, force modulation, density/volumetric expansion, rate-controlled sintering or caloric signal may be offered as value-added options.	Optional
17	Software	Licensed software for method programming, instrument control, CTE calculation, transition/softening analysis, curve comparison, report generation and export.	Essential
18	Accessories	Computer, software, cooling system, purge-gas control, standard probe kit, calibration materials, installation accessories and required utilities shall be included.	Essential

(The above requirements are indicative and may be revised after evaluation of the responses.)

Note: Above are the desired specifications, vendors are supposed to submit their detailed proposed specifications along with the budget in the single quote (DMA+TMA).

Installation and training	Complete installation, commissioning, performance verification and on-site operational/application training at IIT Jodhpur.	Essential
Warranty and support	Comprehensive warranty, preventive maintenance and India-based after-sales/application support. Warranty and AMC/CMC options shall be stated.	Essential

Annexure-I

Request For Technical Information and Pro forma Quotations Response Format

1. Name of the Firm:
2. Registered Address:
3. Name of OEM (if applicable):
4. Contact Person:



Indian Institute of Technology Jodhpur

N.H. 62, Nagaur Road, Karwar, Jodhpur - 342030, Rajasthan (India)

☎ 0291-280-1252 | ✉ office_cse@iitj.ac.in

Website: CSE: www.iitj.ac.in/computer-science-engineering | IITJ: www.iitj.ac.in

5. Email:
6. Phone:
7. Product Name and Model:
8. Brief Technical Description:
9. Compliance with Broad Functional Requirements:
10. List of previous users/clients with installation reports:
11. After-Sales Service Details:
12. Any Additional Features:
13. Remarks (if any).

Annexure-II

Format for Pro forma Quotation

Sl. No.	Description	Amount (INR)
1	Indicative Pro forma quotation in Indian Rupees (INR), including the cost of the equipment, essential accessories, taxes, duties, freight, insurance, installation, commissioning, training, and any other associated charges.	

Warranty Period: _____

AMC/CMC Charges (after warranty): _____

Delivery Period: _____

Authorized Signatory

Name: _____



Indian Institute of Technology Jodhpur

N.H. 62, Nagaur Road, Karwar, Jodhpur - 342030, Rajasthan (India)

☎ 0291-280-1252 | ✉ office_cse@iitj.ac.in

Website: CSE: www.iitj.ac.in/computer-science-engineering | IITJ: www.iitj.ac.in

Designation: _____

Company Seal & Signature