



Sample Format

INDIAN INSTITUTE OF TECHNOLOGY JODHPUR

Request For Technical Information and Pro Forma Quotations

For Procurement of [Piezo Measurement Setup]

1. Introduction

The Indian Institute of Technology Jodhpur (IIT Jodhpur) intends to procure **[Piezo Measurement Setup]** 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: Piezo Measurement Setup



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- Quantity: 1
- Broad Functional Requirements (The essential functions or capabilities that the equipment should have, without mentioning a specific make, model, or brand):

Sr. No.	Parameter	Minimum Technical Specification
1	Instrument Type	Piezoelectric Measurement System
2	Application	Measurement of piezoelectric coefficients of Bulk: ceramics, single crystals, polymers, composites, and related piezoelectric materials Thin films: Thin films of around 50 to 70 nm on insulating substrates
3	Measurement Parameters	d33, g33, capacitance, $\tan \delta$
4	d33 Measurement Range	0-10,000 pC/N or better
5	Resolution	≤ 0.01 pC/N
6	Test Frequency	Adjustable from 30-300 Hz or wider
7	Frequency Resolution	1 Hz or better
8	Oscillating Force	User adjustable between 0.05-0.50 N or better
9	Static Clamping Force	Approximately 10 N
10	Digital Force Display	Real-time force monitoring preferred
11	Capacitance Measurement	10 pF-0.1 μ F or wider
12	Capacitance Accuracy	<100 pF: $\pm 2\% \pm 0.1$ pF or better >100 pF: $\pm 2\% \pm 1$ pF or better



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13	Dielectric Loss ($\tan \delta$)	0 - 0.2 or better
14	Tan δ Accuracy	$\pm 2\% \pm 0.0001$ or better
15	Sample Types	Bulk: ceramics, single crystals, polymers, plates, composites, and related piezoelectric materials Thin films: Thin films of around 50 to 70 nm on insulating substrates
16	Sample size	Bulk: Thin Films: Thickness- 40 nm to 100 nm or better range Size- 3mmx3mm to 2cmx2cm range or better
17	Standard Measurement Head	d33 measurement head
18	Sample Polarity	Automatic polarity indication
19	Calibration	Factory calibrated with a calibration certificate and reference samples
20	Calibration Verification	User verification using the supplied reference samples
21	Software with external PC	Windows-compatible software for complete instrument control, data acquisition, plotting, storage and analysis
22	Installation	Complete installation, commissioning, and on-site training
23	Warranty	Minimum 3 years comprehensive onsite warranty
24	Compliance	CE/ISO certification (where applicable)
25	Documentation	Detailed operating manual, SOP for operation, calibration certificate, software license, and service manual



(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:

- 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.



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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
_____"

8. Important Dates

Activity	Date
Publication	7-08-2026
Last Date for Submission	14-08-2026
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.
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.



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11. Contact Details

Name: Dr. Dushyant Kumar

Designation: Assistant Professor

Department: Physics

Email: dushyantkumar@iitj.ac.in



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:
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).



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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: _____

Designation: _____

Company Seal & Signature