



Indian Institute of Technology Jodhpur

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

☎ 0291-280 1505 | ✉ barun@iitj.ac.in

Website: Department: www.iitj.ac.in/mechanical-engineering | IITJ: www.iitj.ac.in

INDIAN INSTITUTE OF TECHNOLOGY JODHPUR

Request For Technical Information and Pro Forma Quotations

For Procurement of UNIVERSAL VIBRATION APPARATUS

1. Introduction

The Indian Institute of Technology Jodhpur (IIT Jodhpur) intends to procure **UNIVERSAL VIBRATION APPARATUS** 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: **UNIVERSAL VIBRATION APPARATUS**
- Broad Functional Requirements:

The Universal Vibration Apparatus shall be a modular, configurable, and research-grade experimental platform designed to support education, and advanced research in vibration engineering, structural dynamics, and machine condition monitoring. It shall provide a



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single, integrated platform for conducting a wide range of vibration experiments and dynamic testing without the need for multiple dedicated laboratory setups.

The system shall enable the investigation of free and forced vibrations, modal analysis, structural dynamics, vibration measurement, signal analysis, vibration control, and machine diagnostics for a variety of engineering components and structures. Its modular architecture shall allow rapid reconfiguration of experimental setups, integration of interchangeable sensors and accessories, and seamless expansion to accommodate future research requirements and emerging technologies. The apparatus shall support accurate data acquisition, real-time monitoring, advanced signal processing, and experimental validation of analytical and numerical models. It shall be suitable for undergraduate and postgraduate laboratories, doctoral research, interdisciplinary research, and industrial applications, providing a future-ready platform that bridges theoretical concepts with practical experimentation while remaining adaptable to evolving engineering challenges.

List of Deliverables:

The supplier shall provide a complete, fully integrated, and ready-to-operate Universal Vibration Apparatus, including all hardware, software, accessories, installation, training, and documentation necessary to perform the specified experiments and research activities. The scope of supply shall include, but not be limited to, the following:

S. No.	Item Description
1	Universal modular experimental frame with vibration isolation, precision levelling, and quick reconfiguration fixtures
2	Universal measurement and instrumentation system supporting acceleration, force, displacement, strain, velocity, proximity, rotational speed, temperature, and sound measurements
3	High-speed synchronized multi-channel Data Acquisition (DAQ) system with signal conditioning, communication interfaces, and real-time data acquisition capability
4	Complete set of vibration sensors and transducers, including accelerometers, force sensors, displacement/proximity sensors, strain measurement accessories, tachometer/encoder, cables, and mounting hardware
5	Perpetual licensed software for data acquisition, signal processing, FFT, FRF, modal analysis, structural dynamics, machine condition monitoring, and report generation



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6	Computer workstation with monitor, keyboard, mouse, UPS, and all required software pre-installed
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(The above requirements are indicative only and are subject to revision, modification, addition, deletion, or refinement, as may be considered necessary during the procurement process.)

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.



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- 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 UNIVERSAL VIBRATION APPARATUS"

10. Important Dates

Activity	Date
Publication	20.07.2026
Last Date for Submission	30.07.2026
Technical Presentation (if required)	To be informed
Clarification Meeting (if required)	To be informed

11. 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 a **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.



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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.

12. Contact Details

Name: Dr. Barun Pratiher

Designation: Associate Professor

Department: Department of Mechanical Engineering, IIT Jodhpur

Email: barun@iitj.ac.in



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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