



Indian Institute of Technology Jodhpur

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

☎ 0291-2801552 | ✉ office_materials@iitj.ac.in

Website: Department: <https://www.iitj.ac.in/materials-engineering> | IITJ: www.iitj.ac.in

INDIAN INSTITUTE OF TECHNOLOGY JODHPUR

Request For Technical Information and Pro Forma Quotations

For High-end Electrochemical Workstation

1. Introduction

The Indian Institute of Technology Jodhpur (IIT Jodhpur) intends to procure **High-end Electrochemical Workstation** 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: High-end Electrochemical Workstation
- Quantity: 01



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- Broad Functional Requirements (The essential functions or capabilities that the equipment should have, without mentioning a specific make, model, or brand):
The broad functional requirements are indicative and may be revised by the Institute after evaluation of the technical information received from prospective suppliers.

S. No.	Parameter	Requirements
1.	Measurement Techniques	• Standard Electrochemical Measurements • Standard Voltametric Measurements • Galvanostatic Measurements • Corrosion and fuel cell measurements • Rotating Disk and Rotating Ring Disk for OER and HER experiments • Battery Charge Discharge • Chronoamperometry (CA) • Chronocoulometry (CC) • Impedance (EIS) • Spectroelectrochemistry
2.	Battery Charge Discharge	Battery Testing System: A) 5V 10 mA 32 Channel B) 5V 6A- 8 Channel C) 60V 50 A- 8 Channel
3.	Rotating Disk and Rotating Ring Disk for OER and HER experiments with impedance	• Bipotentiostat/Galvanostat with EIS (≥ 4 channels) • Power Supply: 220VAC, 1.4 to 0.7 A, 50 Hz • Output Power: 24 V DC, 5.0 A Power supply (included) • Temperature Range: 10°C to 40°C or wider • Humidity Range: 80 % RH maximum • Measured Current Range ± 1 A, ± 100 mA, ± 10 mA, ± 1 mA, ± 100 μA, ± 10 μA, ± 1 μA, ± 100 nA • Resolution (at each range): 3 % of peak current Power Amplifier (Counter Electrode Amplifier) • Impedance: EIS Capable: Yes Frequency Range: 10 μHz-1MHz Frequency Resolution: $\triangleright < 1$ ppm – 1 MHz-100 mHz $\triangleright < 8$ ppm – 100 mHz-10mHz $\triangleright < 90$ ppm – 10 mHz-1 mHz $\triangleright < 700$ ppm – 1 mHz-100 μHz



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		• Frequency Stability: ± 10 ppm • Modes: Potentiostatic/Galvanostatic
4.	Spectroelectrochemistry	• Spectroelectrochemistry System with Potentiostat / Galvanostat • 75 mm focal length • 2048 pixel CMOS detector • 16 bit A/D microprocessor on optical bench with ethernet interface Detector collection lens for $> 200 \mu\text{m}$ fiber optical cables (quartz 200-1100 nm) or better • 25 μm slit • 300 lines/mm grating, 200-1100 nm usable range with 1.4 nm resolution • UV/Vis/NIR Light Source • Deuterium and halogen dual light source • 200nm to 2500nm, SMA connector
5.	Corrosion and fuel cell measurements	• Rotating Cylinder Cell Kit, Open Top, 15 mm OD RCE, Water Jacket, Drain Valve • Cell material: Borosilicate glass • Cell volume (overall, max): 1 L • Cell water jacket: Yes • Cell diameter: 16 cm • Cell height: 16.8 cm • Cell application: Rotating Cylinder (RCE) • Cell series: RCE • Cell compatibility: RCE cells for corrosion • Cell features: Drain valve, large volume, Open top
6.	PC/Workstation	• High-grade PC having an Intel Core i7 processor or better. • Operating system should be Windows 11 or higher. • Monitor size 27-inch or bigger.
7.	Accessories	• Reference Electrodes, Ag/AgCl and Calomel • Working electrodes (Glassy and Pt) with polishing kit and Electrochemical cell of different volumes 3mL to 100 mL • Corrosion and electrolytic Cell
8.	UPS	• Minimum 1hrs backup
9.	Warranty/AMC	• 3 Year comprehensive warranty from the date of successful installation and commissioning followed by 3 years AMC
10.	Installation, Commissioning & Training	• The installation, commissioning and demonstration of complete system to be carried out by the supplier free of cost. After successful installation and commissioning, on-site operational training for the deputed personnel to be provided for required days at no additional cost.



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11.	Service Facility	The supplier must have sufficient nos. of local service engineers to prompt top notch service.
12.	Spare Availability	10 years from the date of successful installation and commissioning
13.	Delivery	DDP

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 High-end Electrochemical Workstation"

8. Important Dates

Activity	Date
Publication	17 Aug. 2026
Last Date for Submission	25 Aug. 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.



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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.

11. Contact Details:

Name: Dr. Ravi Prakash Srivastava

Designation: Assistant Professor

Department: Materials Engineering

Email: ravip@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