

<p>मौलाना आज़ाद राष्ट्रीय प्रौद्योगिकी संस्थान भोपाल</p> <p>Maulana Azad National Institute of Technology Bhopal</p> <p>(भारत सरकार, शिक्षामंत्रालय के अधीन राष्ट्रीय महत्वका संस्थान)</p> <p>(An Institution of National Importance under MoE, Govt. of India)</p>			
			
<p>सीमित निविदा पूछताछ</p> <p>LIMITED TENDER ENQUIRY</p>			
<p>सामग्री / वस्तुकानाम</p> <p>Name of Goods/Items</p>		<p>Potentiostat/Galvanostat</p>	
Website	www.manit.ac.in	Fax No:	0755-2670562
Email Address:	info@manit.ac.in	Telephone No:	0755-4051000, 0755-4052000

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मौलाना आज़ाद राष्ट्रीय प्रौद्योगिकी संस्थान, भोपाल	
Maulana Azad National Institute of Technology Bhopal	
(भारत सरकार, शिक्षामंत्रालय के अधीनराष्ट्रीय महत्वका संस्थान)	
(An Institution of National Importance under MoE, Govt. of India)	
No. MANIT/MME/2025: 001	दिनांक / Date: 22/08/2025
निविदाआमंत्रण सूचना	
NOTICE INVITING TENDERS	
सामग्री / वस्तुकानाम Name of Goods/Items	Potentiostat/Galvanostat
<p>उपरोक्त सामग्री / वस्तु के लिए निविदाएँ आमंत्रित की जाती हैं। इच्छुक निर्माता/अधिकृतभागीदार/ एंजेन्सियाँ, अधिक जानकारी के लिए संस्थान के वेबसाईट www.manit.ac.in और CPPP वेबसाईट www.eprocure.gov.in/epublish/app पर लाग-इन कर सकती हैं। निविदा दस्तावेज डाउन लोड कर विधिवत रूप से उप-कुलसचिव (भण्डार एवं क्रय) मौलाना आज़ाद राष्ट्रीय प्रौद्योगिकी संस्थान, भोपाल-462003 जमा किया जा सकता है।</p> <p>सम्पूर्ण निविदा मय दस्तावेज प्रस्तुत करने की अंतिम तिथि 15/09/2025 अपरान्ह 12.00 बजे तक है। संस्थान निदेशक, बिना कोई कारण बताए किसी या संपूर्ण निविदा को पूर्ण या आंशिक रूप से स्वीकार या अस्वीकार करने का अधिकार सुरक्षित है।</p>	
	कुलसचिव
<p>Tenders are invited for aforesaid Goods/ Items. Interested Manufacturers/Authorized Partner/Agencies may log on Institute website www.manit.ac.in and CPPP website www.eprocure.gov.in/epublish/app for further details. Tender Document can be downloaded and the duly completed be submitted to the Deputy Registrar(Stores & Purchase) Maulana Azad National Institute of Technology- Bhopal- 462003.</p> <p>Last date of submission of complete tender document is 15/09/2025 _ up to 12.00 hours. The Director of the Institute reserves the right to accept or reject any or the entire tender in full or in part without assigning any reason whatsoever.</p>	
	Registrar

बोलीदाता के लियेनिर्देश/अनुदेश / INSTRUCTIONS TO BIDDERS		
1	Scope of Supplies & Work:	
a	The Goods/ Items shall be supplied as per the Bill of Quantity and Specifications mentioned in ANNEXURE-I . However higher specification of equipment may be considered subject to their cost economics competitiveness.	
b	Bidder should supply illustrated leaflet giving technical details of Goods/ Item and attach the same with the tender to facilitate evaluation.	
c	No option(s) regarding price of Goods/ Items shall be entertained in the price bid. Bidder should quote the price of only one best & appropriate model of Good/Item available with them.	
d	Purchase Preference will be given to “Make in India products” as defined in Purchase Preference with Local Content (PP-LC) Policy. Accordingly, bidders with Local Content less than or equal to 20% will be treated as “Non Local Supplier”. The prescribed LC shall be applicable on the date of Bid opening. The bidder shall submit an undertaking along with the bid stating the bidder meets the mandatory minimum LC requirement and such undertaking shall become a part of the contract. Local content certificate from practicing Cost Accountant or practicing Chartered Accountant giving the percentage of local content shall be acceptable. The local content certificate shall be submitted along with each invoice raised.	
e	Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs). If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% (Selected by Buyer)of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for 25%(selected by Buyer) percentage of total QUANTITY.	
f	Bidder may be asked to supply sample of offered product/item before supply in bulk quantities.	
g	Where ISI certification marked goods are available in market, procurement should generally be limited to goods with those or equivalent marking only. The warranty/AMC required must be specified	
h	After the supply of Goods/ Items& Accessories as mentioned in the ANNEXURE-I , the bidder has to execute its installation at the designated location(s).No extra cost shall be paid for this reason.	
2	Delivery of Supplies & Installation:	
a	The purchaser interested for complete delivery of equipments along with Installation, Testing and Commissioningwithin the period as mentioned at IMPORTANT INFORMATION AT GLANCE sheet.However, the bidder has an option to submit the best delivery with installation time.	
b	The material shall be inspected on receipt at site and bidder shall be responsible for any damage during the transit of Goods/Items.	
c	The insurance cover including insuring the goods against the loss or damage incidental to manufacture or acquisition, transportation, storage and delivery/ installation shall be obtained by bidder in his own name and not in the name of	

		purchases.
3	Warranty & After Sales Services:	
	a	The bidder shall offer on-site comprehensive warranty of equipments as mentioned at IMPORTANT INFORMATION AT GLANCE sheet at the designated location & shall cover each and every part of the equipments including parts having limited life etc. The purchaser is not liable to pay any extra charges on any account during warranty period.
	b	The bidder shall ensure to render after sales services during the warranty period to the satisfaction of purchaser.
4	Eligibility Criteria:	
	a	Bidder should be a Company/Partnership firm/ Proprietary firm/ Agency and operational from at least 03 years (Three) as on close date of tender. Copy of registration shall be attached.
	b	The Bidder/ OEM must have supplied Goods/ Items in last three years to Central/State government/ Quasi-Government organization/ Public listed company in India. Copy of same/similar product/Equipment Purchase Order (PO) Without erasing Consideration Price shall be attached.
	c	Bidder / OEM should have minimum annual turnover (Double value of estimated cost of tender) in last year .CA certification in this regard is to be submitted.
	d	The Earnest Money Deposition slip/ proof of payment.
	e	Bidder should have GST Number & Income PAN both.
	f	OEM Authorization Letter
5	Earnest Money Deposit:	
	The bidder is instructed to submit EMD in the form of DD/FDR/RTGS/NEFT/BG/Bank deposition slip along with bid to prove the transfer of payment to the purchaser's Account as per EMD slab mentioned below:	
	Tender Value	EMD Rate
	Less than 2.50 Lakhs	NIL
	Between 2.50 lakhs to 25.00 Lakhs	2% of TenderValue rounded off in nearest in 100 rupees.
	a	Purchaser's Bank Account details:
		Account Name
		Bank Name
		Bank A/c No.
		Bank IFS Code
		Director MANIT Bhopal State Bank of India 10020150107 SBIN0001608
	b	The EMD will be returned to the unsuccessful bidders soon after placement of order and successful bidder shall get its EMD after supply of material.
	c	The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category. Manufacturers for goods and service providers for services are eligible for exemption from EMD under MSE Category. Traders are excluded from the purview of this policy.
6	Amendment of Tender Document:	
	a	At any time prior to the date submission of bids, the purchaser, may, for any reason, whether at its own initiative or in response to a clarification sought by a prospective bidder, amend bid document by issuing corrigendum. The corrigendum will be notified/ published in e-tendering website www.eprocure.gov.in/epublish/app and Institute website only.
7	Price Bid	
	a	The Prices should be quoted in Indian Rupees only.
	b	Purchaser (being a research Institution) is registered with the Department of

		Scientific & Industrial Research (DSIR) for the purpose of availing custom duty exemption in terms of GoI Notification No. 51/96-Customs dated 23 July 1996. The bidder should quote their prices considering the exemption certificate. If any certification needed by bidder, may be given to avail this benefit.
	c	Bidder shall take into account all costs including unloading at the location of purchaser, cartage etc. for giving delivery of material at site(s) before quoting the rates. In this regard no claim what so ever shall be entertained.
	d	The bidders are advised not to indicate any separate discount. Discount, if any, should be merged with the quoted unit prices.
	e	The price quoted in price bid shall be firm but subject to change in rate of applicable taxes if any.
	f	The Bidder should avoid the use of vague term such as “Extra as applicable”. Such offers shall be treated as non-responsive.
	g	No extra payment shall be paid on account of any discrepancy in nomenclature of items. The bidder shall seek clarifications if any before submitting the tender.
8	Bid Submission:	
		The bidder is instructed to give their offline offer through Single bid system for this tender. The tender must be placed in a properly sealed envelope super-scribed “ <i>Tender for the Supply of Potentiostat/Galvanostat</i> .” with tender inquiry number and its due date addressed to The Director, Maulana Azad National Institute of Technology- Bhopal- 462003 and must reach the office of The Deputy Registrar- Stores & Purchase, Maulana Azad National Institute of Technology, Bhopal on or before as mentioned at IMPORTANT INFORMATION AT GLANCE sheet. The sealed Envelop should be consisting of followings:
	a	Copy of Certificate of Registration of firm, GST Number and Income Tax PAN.
	b	Proof of submission of EMD amount
	c	Copy of Purchase Order (PO) received from government shall be attached.
	d	Certificate mentioning of Turnover for the last year and Bidder / OEM authorization letter.
	e	BOQ Annexure-I and Price Bid Annexure-II duly filled and signed.
9	Evaluation of Bids:	
		The Institute may evaluate all the required Goods/Items in this tender together or independent depending upon nature of items & compatibility and compare the quotations determined to be substantially responsive i.e. which
	a	are properly signed;
	b	Confirm to the eligibility criteria of the vendor; and
	c	Confirm to the terms & conditions, and technical specifications.
	d	In case, required goods/items in this tender are independent and complete in nature. Institute may evaluate independently as far as price is concerned for placing order(s).
10	Validity of Tender:	
	a	The tender shall be valid as mentioned at IMPORTANT INFORMATION AT GLANCE sheet. Terms and financial details submitted in the bid shall be treated as firm during the validity period.
	b	In exceptional circumstances, prior to the expiry of the bid validity period, the purchaser may request bidders to extend the period of validity of their bids. The request and the responses shall be made in writing.

11	Notification of Award:				
	a	Prior to the expiry of the period of bid validity, the purchaser shall notify the successful bidder, in writing, that its bid has been accepted. The notification letter shall specify the sum that the purchaser will pay to the bidder in consideration of the <i>Supply of Goods/ Items</i> with the details of selected location.			
	b	Purchase/ Contract order shall preferably be issued in favour of bidder. Bidder may request in advance for issuance of Purchase/ Contract order in favour of OEM of product. In this case billing and payment shall be made to OEM only.			
12	Performance Security Deposit: The bidder is required to submit Performance Security in the form of DD/FDR/RTGS/NEFT/BG/Bank Deposit after installation of material along with the bill to the Institute as per slab mentioned below:				
	Order/ Contract Value		PSD Rate		PSD Period
	Less than 2.50 Lakhs		NIL		Warranty period plus two month extra
	Between 2.50 lakhs to 25.00 Lakhs		5% of TenderValue rounded off in nearest in 100 rupees.		
	a	Purchaser's Bank Account details:			
		Account Name	Bank Name	Bank A/c No.	Bank IFS Code
		Director MANIT Bhopal	State Bank of India	10020150107	SBIN0001608
	b	In case of breach of contract, performance security shall be forfeited and the bidder shall be blacklisted for such period as decided by the competent authority in addition to cancellation of order.			
	c	Performance Security shall be returned to the bidder without any interest, whatsoever, after completion warranty period as specified in the tender.			
13	Penalty Clause:				
	a	The bidder shall indicate the period within which the ordered quantity will be supplied along with Installation & Commissioning of Goods/ Items. The bidder shall note that in case bidder fails to do so within the period of delivery indicated by the bidder in price bid of this tender, penalty @ 0.50 % on total value of the PO per week of delay would be levied subject to maximum 20 weeks. It means, the bidder shall have the liability of delayed supply to the maximum of 20 weeks after expiry of scheduled delivery date.			
14	Terms of Payment:				
	a	The Payment shall be made within 30 days by purchaser after supply and installation of Goods/ Items.			
15	Jurisdiction:				
	a	In the event of any dispute the legal matter shall be subjected to the jurisdiction of Bhopal court only.			
16	Details of Contact Persons for Query if any				
	Name		Rakesh kumar Singh		Dr .Ramesh Ku. Nayak
	Designation		Junior Assistant		Associate Professor
	Tel No		09893144171		8763724080
	Email				rameshkumarnayak@gmail.com

मौलानाआज़ादराष्ट्रीय प्रौद्योगिकीसंस्थान, भोपाल
Maulana AzadNational Institute of Technology Bhopal

सामग्री की मात्रा एवंविवरण
BILL OF QUANTITY AND SPECIFICATION

S N	Name of Product/ Items	Quantit y	Remark s
	Supply of Potentiostat/Galvanostat <ol style="list-style-type: none"> 1. The Potentiostat must incorporate on-board electronics to perform Electrochemical Impedance Spectroscopy from 10 microHertz to 1megaHertz. 2. The Potentiostat should have an Applied Potential of $\pm 10V$ or better and Compliance Voltage of $\pm 20V$ 3. The Potentiostat must be engineered so one computer can control up to 12Potentiostats channels. 4. The Potentiostat must acquire current and voltage data simultaneously on independent channels and display the measured current and voltage in the software for each data point. 5. The Potentiostat must incorporate eight current ranges from 100milliamps to 10 nanoamps in a decade sequence. 6. The instrument must exhibit aapplied voltage resolution of 150microVolts and a measured current resolution of 30femtoamps. 7. The Potentiostat must be compatible with commercial software to perform a wide variety of Corrosion Techniques , electrochemical experiments such as electrochemical impedance spectroscopy, electrochemical frequency modulation, cyclic voltammetry, pulse voltammetry, potentiostatic, galvanostatic, and DC corrosion, Critical Pitting Temperature, Electrochemical Noise (Basic), Physical Electrochemistry, Electrochemical Impedance Spectroscopy, Solar Cells, Electrochemical Energy, Spectro-electrochemistry and Raman spectro electrochemistry. The system should have the inbuild 	01	

	<p>software which can perform the above said analysis.</p> <ol style="list-style-type: none"> 8. The data acquisition software must be performed by scripts that can be modified for custom experiments. The export data should be compatible with Microsoft excel. 9. The Potentiostat must be portable and have individual software authorizations so it can be moved to any computer that is convenient for the experiment. 10. The Potentiostat must be able to apply up to the maximum current as an AC waveform for Galvanostatic EIS experiments. 11. The Potentiostat must be capable of data oversampling for improved signal-to-noise ratio. 12. Accessories including 1sets of Electrochemical cell, Glassy Carbon WE, Ag/AgCl Reference Electrode, Pt Counter Electrode should be provided and etc. the list is mentioned separately below. 13. Comprehensive Suite of Electrochemical Software including DC Corrosion techniques Physical Electrochemistry Electrochemical Energy Software Pulse Voltammetry Electrochemical Noise • EIS – 10 microHz – 1 MHz • Lead Free (RoHS) • Interface Cell Cable, 1.5 m • USB Cable, 2 m • Universal Dummy Cell • Operator's Manual (On Digital Media) 14. Warranty for 2 Years 15. Required software with full version should be provided by the supplier/manufacturer and installed in the computer/laptop 16. The brochure must attach along with the tender, all the specifications must have written on the brochure and it should satisfy the specification mentioned in the tender. 17. All the specifications need to be shown and varified during the installation and training. 18. Standard samples must be supplied to verify the results mentioned on the standard and calibrations. 19. Accessories/Consumables 		
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Sl No	Name of the Accessories/consumables	Quantity		
1	PTC1-Paint Test Cell (w/o Reference Electrode)	02		
2	Platinum Wire counter Electrode (0.5 MM, 75 MM) Teflon body with Brass Gold Plated Connector connector	03		
3	Five Neck Electrochemical Cell (150 Ml Volume) and purging	03		
4	Ag/AgCl Reference Electrode (6 mm Diameter, 100 mm Hight) Ceramic tip	03		
5	Multiport Corrosion Cell 1 Liter Capacity without Electrode	03		
6	Para Cell or Electrochemical Corrosion Cell (250ml)	03		
7	Glassy Carbon WE	02		
8	Pt Counter Electrode (size as per the requirement of the cell)	03		
9	AC (1.5 ton and 5 star) to make the room temperature 25 °C for better performance the equipment and safety.	01set		
10	Desktop/laptop (1TB SSD storage and 16GB RAM minimum) with reputed brand required as per the compatibility to the equipment and software with power backup of 30Minutes and Laser Printer with scanner having 40 PPM A4 Speed of reputed brand.	01 set		
11	Working table (1) with executive chair (1) of best quality for keeping the equipment and all	01set		

	accessories/consumables.	
20. System Requirement		
SYSTEM		
Description	Quantity/requirement/ specification	
Potentiostat	Yes	
Galvanostat	Yes	
Cell Connections	2, 3, or 4	
Maximum Current	±0.4 A	
Current Ranges	8 (10 nA–100mA)	
Minimum Measured Current Resolution	30fA	
Maximum Applied Potential	±10 V	
Rise Time	<300ns	
CONTROL AMPLIFIER		
Compliance Voltage	±20 V (@ 0.4A)	
Output Current	>±0.4 A	
Potentiostat Bandwidth	1MHz	
EIS MEASUREMENT		
EIS	10 μHz - 1 MHz	
EIS Accuracy	See Accuracy Contour Plot	
AC Amplitude	0.35 Vrms maximum	

		0.2mVrms minimum		
	ELECTROMETER			
	Input Impedance	>100Gohm//8pF		
	Input Current (typical)	<1pA		
	Bandwidth	>4 MHz		
	POTENTIAL			
	Applied Accuracy	±2 mV ±0.2% of setting		
	Applied Resolution	150 µV		
	Measured Resolution	3µV		
	CURRENT			
	Applied Accuracy	±0.2% of current range		
	Applied Resolution	0.015% of current range		
	MEASURED CURRENT			
	Measured Resolution	0.0003% of current range		
	Application including:	Electrochemical Corrosion Battery Testing Fuel Cell Testing Physical Electrochemistry		
	Any consumables/accessories / software required during installation needs to be provided by the supplier/manufacturer/vendor.	Agreed		

	The user will supply only required power supply.			

NB: Drawing/ Design is enclosed herewith.

We confirm with our acceptance to the technical specification as given above.		
Date:		BIDDER'S NAME & SIGNATURE WITH SEAL

				ANNEXURE- II		
FORMAT FOR SUBMISSION OF BID PRICE						
To,						
The Director						
MANIT- Bhopal- 462 003						
Sub:		Tender Document dated 00/00/2024.				
SN	Product Description with make & Model	Discounted unit price	Qty	Qty Price	GST	Total Price
1	2	3	4	5	6	7(5+6)
1						
2						
Total offered Price						
Total (In Words):						
Delivery Period required:						
The followings things are confirmed and undertake by us that:						
a	The price quoted above are inclusive of statutory Levies & Taxes, Duties, Transportation and other charges (Insurance, Loading/ unloading, Packing & Forwarding charges, Installation etc.) at site.					
b	Taxes are subject to change/ revision.					
c	We agree with the terms and conditions specified in “Instructions to Bidders” and if selected, the execution of supplies would be made as per bill of Quantity & Specification.					
Date:		Signature of Authorized Bidder with proper rubber stamp				
		Name:				
		Designation:				
		Mobile No:				