

मौलानाआज़ादराष्ट्रीय प्रौद्योगिकीसंस्थानभोपाल
Maulana Azad National Institute of Technology Bhopal
(भारत सरकार, शिक्षा मंत्रालय के अधीनराष्ट्रीय महत्व का संस्थान)
(An Institution of National Importance under MoE, Govt. of India)



निविदाआमंत्रण सूचना(मालिकाना लेख प्रमाण-पत्र के तहत क्रय)

NOTICE INVITING TENDERS (PAC buying Mode) (e-procurement)

सामग्री/वस्तु का नाम	Supply, Installation, Testing Commissioning of
Name of Goods/Items	Electron Backscattered Diffraction (EBSD) attachment for FESEM

Website: www.manit.ac.in
Email Address: info@manit.ac.in

Fax No: 0755-2670562
Telephone No: 0755-4051000, 0755-4052000

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No. MANIT/CRF/2026/01

दिनांक / Date: 07/08/2026

निविदाआमंत्रण सूचना(मालिकाना लेख प्रमाण-पत्र के तहत क्रय)
NOTICE INVITING TENDERS(PAC buying Mode)

सामग्री / वस्तु का नाम Electron Backscattered Diffraction (EBSD) attachment
Name of Goods/Items for FESEM

उपरोक्तसामग्री / वस्तु के लिए निविदाएँअमंत्रित की जातीहैं।इच्छुकनिर्माता / अधिकृतभागीदार / एंजेन्सियाँ जो के लिए अधिकृतहोंवेसंस्थान कीवेबसाईट www.manit.ac.in और CPPP वेबसाईट www.eprocure.gov.in/epublish/app परअधिक जानकारी के लियेलाग-इनकरसकतेहैं।निविदादस्तावेजडाउनलोडकरविधिवत रूप से उप-कुलसचिव (भण्डार एवं क्रय)मौलानाआज़ादराष्ट्रीय प्रौद्योगिकीसंस्थान, भोपाल- 462003 जमाकियाजासकताहै।

सम्पूर्णनिविदा मय दस्तावेजप्रस्तुतकरने की अंतिमतिथि 28/08/2026अपरान्ह 12.00 बजेतकहै।संस्थाननिदेशक, बिनाकोईकारणबताए किसी या संपूर्णनिविदाकोपूर्ण या आंशिक रूप से स्वीकार या अस्वीकारकरने का अधिकारसुरक्षितहै।

कुलसचिव

Tenders are invited for aforesaid Goods/ Items. Interested Manufacturers/Authorized Partner/Agencies of 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.

Last date of submission of complete tender document is 28/08/2026 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.

Registrar

मौलानाआज़ादराष्ट्रीय प्रौद्योगिकीसंस्थान, भोपाल
Maulana Azad National Institute of Technology Bhopal

एक नजरमेंमहत्वपूर्णजानकारियाँ		
IMPORTANT INFORMATION AT A GLANCE		
निविदाक्रमांक एवंदिनांक Tender No & Date		No. MANIT/ CRF/2026:01 Date: 07/08/2026_____
निविदा का कार्यक्षेत्र/SCOPE OF TENDER		
सामग्री / वस्तु का संक्षिप्तविवरण Brief Description of Goods/Items	संख्या Quantity	टिप्पणी Remarks
Electron Backscattered Diffraction (EBSD) attachment for FESEM	01	संलग्नक- Iपरविस्तृतविवरण Detailed Specification at Annexure-I
निविदा की अनुमानितलागत Estimated cost of Tender	Rs. 1,82,90000.00	
आपूर्ति एवंस्थापना का स्थान Location of Supplies & Installation	Centre Research Facility at Institute	
निविदादस्तावेज की उपलब्धता Availability of Tender Document	www.manit.ac.in www.eprocure.gov.in/epublish/app	
निविदाजमाकरने के अंतिमदिनांक एवं समय Last Date & Time of Submission of Tender	27/08/2026 up to 12:00 hours	
निविदा खुलने की दिनांक एवं समय Date & Time of Opening of Bids	28/08/2026 at 15:00 hours	
निविदावैधता की अवधि Tender Validity period	120 days from the date of opening of the Technical Bid	
वितरण / आपूर्ति की अवधि Delivery/ Supply period	10 to 12 weeks from the date of issue of Supply Order	
वारंटीअवधि Warranty Period	01 Year (s) from the date of successful Installation & Commissioning of equipment/items	
बोलीसुरक्षा / बयानाराशि Bid Security/ EMD	2%	
निष्पादनसुरक्षा राशि Performance Security Amount	5%	

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 Product datasheet 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 Goods/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.
	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 product offered 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	Start-ups as recognized by Department for Promotion of Industry and Internal Trade (DPIIT), claiming EMD exemption and relaxation in turnover as prescribed in the certificate / Start Up scheme of DPIIT.
	g	Bidder may be asked to supply sample of offered product/item before supply in bulk quantities.
	h	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
	i	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 is interested in complete delivery of Goods/items along with Installation, Testing and Commissioning within stipulated time limit as mentioned at IMPORTANT INFORMATION AT GLANCE sheet. However, the bidder has an option to submit the best Delivery/ 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 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 must have supplied same Items in last Four years to Central/State government/ Quasi-Government organization/ Public listed company in India. Copies of Two (02) Purchase Order (PO) Pertaining to the past 04 financial years shall be attached. With price & quantity			
	c	i. Bidder should have minimum annual turnover (50% of value of estimated cost of tender) in last Three year .CA certification of Turnover & Audited P&L Statement in this regard is to be submitted. ii. OEM should have minimum average annual Turnover (Four Times the Value of estimated cost of Tender) in last Three Years. CA Certification & audited P& L statement in this regard is to be submitted. In case of Foreign OEM the Condition of 400% T.O. may be Relaxed.			
	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@2% of the estimated tender value in the form DD/FDR/RTGS/NEFT/BG/Bank deposition slip along with bid to prove the transfer of payment to the purchaser's Account:				
	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 offered 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	Bidder shall take into account all cost 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 whatsoever shall be entertained
	c	The bidders are advised not to indicate any separate discount. Discount, if any, should be merged with the quoted unit prices
	d	The price quoted in price bid shall be firm but subject to change in rate of applicable taxes if any.
	e	The Bidder should avoid the use of vague term such as "Extra as applicable". Such offers shall be treated as non-responsive.
	f	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 two bid system for this tender. The tender must be placed in a properly sealed envelope superscribed "Tender for the supply of Electron Backscattered Diffraction (EBSD) attachment for FESEM" 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 Assistant Registrar- Stores & Purchase, Maulana Azad National Institute of Technology, Bhopal on or before as mentioned at IMPORTANT INFORMATION AT GLANCE sheet. The sealed Envelope 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 3 year and 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 Supply of equipments, installation, testing commissioning.			
	b	Purchaser may issue purchase order in the name of OEM on the request of bidder with a copy to bidder.			
	c	As far as foreign currency quote is concerned, Purchaser may issue Purchase order is dual currency i.e foreign currency and Indian Rupees based on bidder request. This request may be considered to meet local expenditure in Indian Rupees.			
	d	The successful bidder shall, within a week from the date receipt of communication of acceptance of quotes from purchaser shall intimate his acceptance of the order.			
	e	Bidder is required to provide complete pre-installation advice regarding electric power and other equipments along with acceptance of Purchase order so that installation requirement can be fulfill before supply of equipment.			
12	Performance Security Deposit: The bidder is required to submit Performance Security @5% of the contract value in the form of DD/FDR/RTGS/NEFT/BG/Bank Deposit after installation of material along with the bill to the Institute.				
	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 .Ramkishor Anant	
Designation		Junior Assistant		Assistant Professor	
Tel No		09893144171		8791343177	
Email				Ram.met@gmail.com	

ANNEXURE-I			
मौलानाआज़ादराष्ट्रीय प्रौद्योगिकीसंस्थान, भोपाल Maulana AzadNational Institute of Technology Bhopal			
सामग्री की मात्रा एवंविवरण BILL OF QUANTITY AND SPECIFICATION			
SN	Name of Product/ Items : Electron Backscattered Diffraction (EBSD) attachment for FESEM	Quantity	Remarks
1.	The EBSD should be compatible with existing EDS which is installed in our Existing FE-SEM (Make of FESEM: TESCAN, Model: CLARA) and work on the same software platform. The EBSD need to be integrated with the EDS for simultaneous acquisition of structural and crystallographic information. The system should have the following specification: Hardware: • EBSD Camera should be a CMOS-based high speed, high sensitivity, and low noise digital camera system for EBSD application. • Data collection rates up to 2,000 indexed points per second • CMOS sensor • Orientation precision less than 0.1 degrees • Indexing success rate 99% or higher. • Motorized slide with metal bellows vacuum protection. • The position accuracy of EBSD camera is to be 0.1mm or better. • The system should have the assessment of accuracy of Indexing. • The EBSD should be optimized for low i kV data application while working with SEM • Optimized phosphor screen for high speed and high sensitivity collection. • The camera should have imaging detectors to acquire images with atomic, orientation, channelling contrast. • The camera should have hexagonal scanning grid for minimizing grain shape artifacts, and also to provide consistent distance between neighbouring pixels which is Important for local misorientation analysis of deformed materials. EBSD Camera Software: 1.The system software should include the following features: (i) Data Acquisition Software (ii) Phase Reflector File Creation Software (iii) Pole Figure Software (iv) Mapping Software (v) ODF Software (vi) Imaging and Beam Control Software (vii) Stage Control Software	01 No	

	(viii) Phase Identification Software. 2. The software should have software module which can collect data with details over large sample areas. 3. The Software must have a provision to check whether a point has been correctly indexed or not, even it should be able to provide whether multiple solution is available for that point. 4. Should have software module, which will create the queue of desired Region of Interests (ROI) for EBSD analysis and will do the EBSD analysis as per the queue without any manual intervention. 5. Easy simultaneous EDS-EBSD collection during both EBSD pattern and scan collections. 6. Specific Software module must be present in the EBSD software so that the Detector and collection variables must be automatically set based on analytical collection conditions for easy collection of high-quality data. a. Auto Setup Optimization for EBSD detectors based on SEM beam current. b. Smart EBSD step size recommendations based on detector and magnification. 7. Should include libraries/databases which can be accessed and searched with EBSD software, it should search by name, by element, and filter by crystal structure. Post processing software for EBSD data analysis should have the following capabilities: 1) Should provide wide choice of data cleaning algorithms (at least five options). 2) Microstructural parameters, such as average grain size, average misorientation angle, high angle/low angle/CSL boundary fractions should be available directly without any need for secondary processing or replotting of the data. 3) Interactive data recording from the EBSD maps. 4) The software should allow subset or partition creation from the acquired EBSD data and allow to save the partition data. 5) The software should have feature so that the S/N level can be improved by averaging each pixel with its surrounding neighbouring pixels.		
2.	Pre-tilt sample holder: Pre-tilt sample holder must be provided	01 No	
3.	Electro-polisher: An electro polisher to prepare good samples for EBSD analysis with deep freezer and suitable electrolyte.	01 No	

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:				