



राष्ट्रीय प्रौद्योगिकी संस्थान मेघालय
NATIONAL INSTITUTE OF TECHNOLOGY MEGHALAYA
Bijni Complex, Laitumkhrah, Shillong-793003

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Ref: NITMGH/ES/NIQ/CIF-FESEM/2021-22/820

Date: 05.10.2021.

E-NOTICE INVITING QUOTATION (E-NIQ) FOR SUPPLY & INSTALLATION OF “HIGH RESOLUTION FIELD EMISSION SCANNING ELECTRON MICROSCOPE (FESEM) WITH ACCESSORIES” AT THE CENTRAL INSTRUMENTATION FACILITY, NIT MEGHALAYA, SOHRA (CHERRAPUNJEE) CAMPUS

NIT Meghalaya invites online Tenders through **CPP Portal <https://eprocure.gov.in/eprocure/app>** from eligible Bidders for procurement of equipment.

Prescribed Tender document, detailed fees and specifications, bid instructions and Terms & Conditions can be downloaded from the CPP Portal (<https://eprocure.gov.in/eprocure/app>) or from the Institute website (<http://www.nitm.ac.in/>). However, the bidding process (submission and finalization) will be done in online mode at CPP Portal. The bidders may submit their bid only through uploading in the CPP Portal <https://eprocure.gov.in/eprocure/app>

BID INSTRUCTIONS:

01. The offer must be submitted in Two Bid – Two Files/Covers only through uploading in the CPP Portal, before the last date & time for bid submission. Bidders must submit their digitally signed bids. The covers will contain the following documents:
 - i. Cover 1 which consists of technical requirements and general terms & conditions.
 - ii. Cover 2 which consists of the Price Bid (in BoQ Ms-Excel format).

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Ref: NITMGH/ES/NIQ/CIF-FESEM/2021-22/820

Date: 05.10.2021.

LAST DATE OF SUBMISSION: - 10.11.2021 at 1:00 PM.

Technical bids will be opened on 11.11.2021 at 3:30 p.m.

After evaluation of technical bids, financial bids of the successful bidders (technically qualified) will be opened on a later date which will be duly notified.

02. **Submission of Compliance Certificate:** Duly filled and signed Compliance Certificates (as per formats at Annexure-IA & B) are must with the technical bid.
03. **Bid not transferable:** The bid documents are not transferable and the seal and signature of the authorized official of the firms must appear on all the papers and envelopes submitted.
04. The quantity mentioned for each item in the Annexure-III may increase/decrease depending on requirements.
05. **GST Registration Certificate should be closed along with the tender documents.**
06. Relevant catalogue of the items (if any) must be closed.
07. **Interested vendors may interact with Dr. Gitish Kishor Dutta, Associate Professor, Chemistry Department, NIT Meghalaya @ 9485177036 email id: gitish.dutta@nitm.ac.in or Dr. Atanu Singha Roy, Chairman, CIF Committee, NIT Meghalaya for any queries @ 9402102387 and email ID asroy86@nitm.ac.in**
08. For e-way bill the successful vendor has to apply online via <https://ewaybill.nic.in/ewb.html>.

NIO TERMS & CONDITIONS:

01. **Rates:** Rates quoted in the Price Bid should be on DOOR DELIVERY at NIT MEGHALAYA, SOHRA (CHERRAPUNJEE) CAMPUS basis
as per details below to be quoted in the BoQ:-

Group:	Item Sl. No.	Item name	
Sl. No.	Particulars		Rate
I	Basic Price (per unit)		
	Discount if any		
	Total		
	GST (pl. breakup CGST/SGST/IGST)		
	Total (per unit)		
	Grand total for the item		
II	Transportation charges up to NIT Meghalaya, at the Central Instrumentation facility, Sohra (Cherrapunjee) campus basis (if applicable)		
III	Transit Insurance covering all risk up to 10 days after delivery (if applicable)		
	Grand total on door delivery at NIT Meghalaya, Central Instrumentation facility, Sohra (Cherrapunjee) campus basis (if applicable)		

Note: Vague terms like “packing, forwarding, transportation etc. extra” without mentioning the specific amount will not be accepted. Such offers shall be treated as incomplete and rejected.

02. **Quotations have to be submitted in Indian Rupees (INR) only.** If goods are to be imported, the quotations shall include all charges for customs clearance, clearing agent fees, landing port handling charges, insurance etc. and onward transportation of the goods from the port/airport of landing for door delivery upto NIT Meghalaya, the Central Instrumentation facility, Sohra (Cherrapunjee) campus.

NIT Meghalaya has a valid registration with the Department of Scientific and Industrial Research (DSIR), Ministry of Science & Technology, Government of India for availing Customs/Central Excise Duty exemption. NIT Meghalaya will provide all necessary certificates, authorizations and documents required for clearing the consignment and for onward transportation upto NIT Meghalaya, the Central Instrumentation facility, Sohra (Cherrapunjee) campus.

03. All documents submitted should be digitally signed by the bidder.
04. Bidder must unconditionally accept all terms and conditions stipulated in the tender document and all pages of the bid including all enclosures should be numbered and must be duly filled in and digitally signed by the bidder or his authorized representative.
05. The bidder must also upload a digitally signed copy of the **Tender Acceptance Letter** in the format given at Annexure-IV.
06. **Validity of Quotation: Quoted rates must be valid for 180 days from the date of quotation.**
07. **Warranty: The quoted equipment and components** must be warranted for a minimum of **five (05) years from the date of successful installation and training.**
08. **Literature must:** All the quotations must be supported by the printed technical data sheet/ literature and the specifications mentioned in the quotation must be reflected/ supported by such printed technical datasheet/ literature. **The model no. and specifications quoted should invariably be highlighted in the**

datasheets/literature for easy reference.

09. **Details of supply of similar items to Institutes of National Importance/universities/organizations etc. (preferably those located in the Northeastern region) must be provided along with the technical bids.**
10. **Presentation:** Technically qualified bidders may be called upon to give full presentation of the quoted equipment at NIT Meghalaya campus before opening of Price bid as a support of their Technical Quotations and for any clarifications.
11. **Equipment breakdown:** Any Equipment breakdown must be attended to within 72 hours during the warranty period of the equipment free of cost.
12. **Training:** Free training is to be provided to NIT Meghalaya personnel on the operation, installation, training, maintenance and troubleshooting of the supplied items.
13. **The vendor should provide an operator for operating the Instrument for 1 (one) year from the date of installation. However, the cost of manpower for operation of the equipment will not be considered for deciding lowest (L1) bidder.**
14. **After Sales Service:** Vendor should clearly state the available nearest after sales service facilities in the Northeastern/eastern region, without which the offer will be rejected.
15. **Dealership Certificate:** The bidder/tenderer should be either a manufacturer or authorized agent of the foreign/Indian manufacturer. Dealers or Agents quoting on behalf of Manufacturer must enclose valid dealership certificate.
16. **EMD: -** As per OM No. F9/4/2020-PPD issued by the Department of Expenditure, Ministry of Finance, Government of India dated 12.11.2020 vendors are exempted from submission of EMD/Bid Security. However, in lieu of Bid Security, the vendor must submit a “Bid Security Declaration” accepting that if they withdraw or modify their bids during period of validity etc., they will be suspended for the time specified in the tender documents.
17. **Performance Bank Guarantee (PBG):** The successful bidder shall furnish an unconditional PBG (as per format at Annexure II) for 3% of the Purchase Order value from a Nationalized/Scheduled Bank of India, before release of the payment. Else 3% of the billed amount will be deducted as security deposit. Where the PBG is obtained by a foreign bank, it shall be endorsed by a Nationalized/Scheduled Indian bank and shall be governed by Indian Laws and be subject to the jurisdiction of courts at Shillong. The PBG shall guarantee that,
 - The Vendor guarantees satisfactory operation of the Equipment & components against poor workmanship, bad quality of materials used, faulty designs and poor performance.
 - The Vendor shall, at his own cost, rectify the defects/replace the items supplied, for defects identified during the period of guarantee/warranty.The PBG shall remain valid for period of sixty days beyond the date of completion of all contractual obligations of the supplier including warranty obligations.
18. **The vendor should have Income Tax account (PAN), GST Registration Certificate.**
19. **The item(s) will be used only for research purpose of the Institute and not for any commercial use. Hence, vendors may quote concessional rate of IGST @ 5%. Relevant documents shall be provided by the Institute.**
20. **Training should be provided by the bidder till the satisfaction of the users on free of cost.**
21. **The bidder should mention about the utilities required for the setup.**
22. **Upon receipt of the order, the successful bidder must submit the site readiness document with the drawings for enabling NIT to get the site ready for the Centre to function.**
23. **Delivery:**
 - a. Time Limit: *Maximum within 180 (One Hundred & Eighty) days from the date of issue of purchase order.*
 - b. Safe Delivery: **All aspects of safe delivery shall be the exclusive responsibility of the vendor.** At the destination site, the package will be opened only in the presence of NIT user/representative and

vendor's representative. The intact condition of the package and the seal/indicators for not being tampered with, shall form the basis for certifying the receipt in good condition.

- c. Insurance: The supplier is to establish 'All Risk Transit Insurance' coverage till door delivery at NIT Meghalaya, Bijni Complex, Shillong.
 - d. Part Delivery: As far as possible no part delivery shall be entertained. However, in extreme cases, acceptance of part delivery shall be a prerogative of the Institute.
 - e. Penalty for delay in delivery: The date of delivery should be strictly adhered to otherwise the Director, NIT Meghalaya reserves the right not to accept delivery in part or full. The Director, NIT Meghalaya also reserves the right to impose penalty, as deemed fit, for delay in delivery of the equipment, including imposition of Liquidated Damages (LD). The decision of the Director shall be final and binding to all.
24. **Genuine Pricing:** Vendor is to ensure that quoted price for the particular item is not more than the price quoted to any other customer in India, particularly to IITs/NITs and other Government Organization. Copy of the latest price list for the quoted item, applicable in India, must be enclosed with the offer.
25. **Conditional tenders not acceptable:** All the terms and conditions mentioned herein must be strictly adhered to by all the vendors. Conditional tenders shall not be accepted on any ground and shall be rejected straightway. Conditions mentioned in the tender bids submitted by vendors will not be binding on NIT Meghalaya.
26. **Late and delayed tender:** Late and delayed tender will not be considered.
27. **Payment: 80% payment within 30 (thirty) days from date of Successful delivery& Balance 20% after successful installation, training and acceptance.** The 80% payment shall be released on confirmation of the receipt of the complete set of equipment in good condition as per the Purchase Order and after its certification by the concerned officials of the Institute.
28. Payment will be made through PFMS. Bidders are required to furnish complete and correct bank details on their letterhead along with the technical bid. A scanned copy of a cancelled cheque may also be attached for verification of IFSC code.
29. **Enquiry during the course of evaluation not allowed:** After opening the Technical Bid, no enquiry from the bidder(s) shall be entertained during the course of evaluation of the tender till final decision is conveyed to the successful bidder(s). However, the Purchase Committee or its authorized representative may make enquiries/seek clarification from the bidders. In such a case, the bidder must extend full co-operation. The bidders may also be asked to arrange demonstration of the offered items, in a short period of notice.
30. At any time prior to the date of submission of bid, NIT Meghalaya may, for any reason, either of its own or in response to a clarification from a prospective bidder, modify the bidding documents by an amendment / corrigendum. **Any such amendment / corrigendum will be duly notified through the Institute's website only and CPP Portal.** Prospective bidders are advised to check the Institute's website every now and then for any amendment / corrigendum. In order to provide reasonable time to take the amendment into account in preparing the bid, NIT Meghalaya shall extend the date and time for submission of bids.
31. The acceptance of the quotation will rest solely with the Director, NIT Meghalaya, who in the interest of the Institute is not bound to accept the lowest quotation and reserves the right to himself to reject or partially accept any or all the quotations received without assigning any reasons.
32. **Force Majeure:**
- If the performance of the obligation of either party is rendered commercially impossible by any of the events hereafter mentioned that party shall be under no obligation to perform the agreement under order after giving notice of 15 days from the date of such an event in writing to the other party, and the events referred to are as follows:
- (a) Any law, statute or ordinance, order action or regulations of the Government of India,

- (b) Any kind of natural disaster, and
- (c) Strikes, acts of the Public enemy, war, insurrections, riots, lockouts, sabotage.

33. **Termination for default:** Default is said to have occurred

- (a) If the equipment or any of its component is found having poor workmanship, faulty designs, poor performance and bad quality of materials used.
- (b) If the supplier fails to deliver any or all the services within the time period(s) specified in the purchase order or any extension thereof granted by NIT Meghalaya.
- (c) If the supplier fails to perform any other obligation(s) under the contract.

Under the above circumstances NIT Meghalaya may terminate the contract / purchase order in whole or in part and forfeit the EMD/PBG as applicable. In addition to above, NIT Meghalaya may at its discretion also take the following actions: NIT Meghalaya may procure, upon such terms and in such manner, as it deems appropriate, goods similar to the undelivered items/products and the defaulting supplier shall be liable to compensate NIT Meghalaya for any extra expenditure involved towards goods and services obtained.

34. **Applicable Law:**

- a. The contract shall be governed by the laws and procedures established by Govt. of India and subject to exclusive jurisdiction of Competent Court and Forum in Shillong /India only.
- b. Any dispute arising out of this purchase shall be referred to the Director, NIT Meghalaya, and if either of the parties here to is dissatisfied with the decision, the dispute shall be referred to the decision of an Arbitrator, who should be acceptable to both the parties, to be appointed by the Director of the Institute. The decision of such Arbitrator shall be final and binding on both the parties.

Sd/-
Registrar

Encl.: ANNEXURE-I, ANNEXURE-II, ANNEXURE-III, ANNEXURE-IV.

ANNEXURE-I

**A. COMPLIANCE CERTIFICATE FOR NIQ TERMS
AND CONDITIONS (To be enclosed in the
technical bid)**

Sl. No.	NIQ Terms and Conditions		Yes/No
01	Rate quoted as per instruction		
02	AMC rate after warranty provided		
03	Validity of quoted rate for 180 days agreed		
04	“Bid Security Declaration” accepting that if they withdraw or modify their bids during period of validity etc., they will be suspended for the time specified in the tender documents.		
05	PBG term agreed		
06	Payment term agreed		
07	Delivery terms agreed		
08	Warranty period agreed		
09	Extended AMC (warranty) period year wise for three years with rates provided.	i. 1st year	
		ii. 2nd year	
		iii. 3rd year	
10	Literature: Printed provided		
11	Dealership/distributorship certificate (in case of dealers/agents) provided		
12	Details of supply to other Institutes of National Importance provided		
13	Equipment breaks down clause agreed		
14	After Sales Service: address of nearest after Sales Service Centre in the Northeastern/Eastern region provided		
15	Manufacturer certificate provided		
16	Applicable law terms agreed		
17	All other terms and conditions mentioned in the NIQ (Technical & Financial) agreed		

Signature with Seal:.....

Vendor: M/s.....

Annexure-I

B. COMPLIANCE CERTIFICATE FOR SPECIFICATIONS
(One for each item, must be closed in the Technical bid)

Item Sl. No.		Item Name:	
Quoted Product:	Make:	Model No:	
Specifications as per Annexure-III		Quoted Item Specifications*	Complied/ Deviation
Parameter	Specification		

Signature with Seal:.....

Vendor: M/S.....

*** Vendor must quote the parameter specification of the quoted product in this column and not just copy the specification from the tender call document. Failure to do so will lead to rejection of the tender.**

ANNEXURE-II

PERFORMANCE BANK GUARANTEE

To:
The Director,
National Institute of Technology Meghalaya
Bijni Complex, Laitumkhrah, Shillong-793
003 Meghalaya

WHEREAS(Name of Supplier)
Herein after called "the Supplier" has undertaken, in pursuance of Contract No.....dated,.....20....to
supply..... (Description of Goods and Services) herein after called
"the order".

AND WHEREAS it has been stipulated by you in the said order that the Supplier shall furnish you with a
Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with the
Supplier's performance obligations in accordance with the order.

AND WHEREAS we have agreed to give the Supplier a Guarantee:
THEREFORE WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Supplier,
up to a total of (Amount of the Guarantee in Words and
Figures) and we undertake to pay you, upon your first written demand declaring the Supplier to be in default
under the order and without cavil or argument, any sum or sums within the limit of.....
(Amount of Guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your
demand or the sum specified therein.

This guarantee is valid until the.....day of.....20.....

Signature and Seal of Guarantors

.....

.....

.....

Date.....20....

Address:.....

.....

.....

All correspondence with reference to this guarantee shall be made at the following

Address: The Director,
National Institute of Technology Meghalaya
Bijni Complex, Laitumkhrah, Shillong-793 003, Meghalaya

ANNEXURE-III

DETAILED TECHNICAL SPECIFICATIONS

Technical Specifications for High Resolution Field Emission Scanning Electron Microscope (FESEM) with Accessories

The high-resolution field emission scanning electron microscope (FESEM) which is suitable for analyzing samples in the form of metallic / non-metallic, crystals, thin films, polymers, metal oxides, geological, various biological, biomaterials etc. of micro to nano scale dimensions, which will be either coated/uncoated while imaging. The FESEM should be equipped with **Energy Dispersive Spectroscopy system** as an attachment for investigating chemical composition and the system should be compatible for future upgradation with other accessories as per below specifications. The offered FESEM should be fully computer controlled, fully automatic system with all the required hardware, software, accessories, standards and other consumables required for installation, commissioning, calibration of the unit at your site. The FESEM with Accessories must have the following technical specifications which should be **supported by the original technical brochure** and official website of the manufacturers.

Resolution	<ul style="list-style-type: none">• 0.7 nm or better @15 kV in Hi-Vac mode• 1.0 nm or better @ 1 kV in Hi-Vac mode• 1.2 nm or better @ 15 kV in VP/Low-Vac mode• STEM detector (with resolution 0.7 nm or better @ 30 kV) The definition of resolution and the method used to determine the resolution should be clearly specified and resolution should be shown at the site of installation with standard samples.
Electron Gun	High Stability Field Emission Schottky Emitter
Operating Modes	In both High Vacuum (HV) and Low Vacuum (LV) / Variable Pressure (VP) modes
Magnification	30x (or less) to 10,00,000x or better. The user should be able to enter the desired magnification values through software.
Acceleration Voltage	The Accelerating Voltage Lower Limit should be 0.2 kV or less and Higher Limit 30 kV or more. All the accelerating voltage settings must be software controlled through PC and should be adjusted to any value as per application requirements.
Specimen Chamber	Chamber should have (at least 100 mm inner diameter for accommodating large specimens& multiple accessories comfortably) at least 7 accessory ports. The analytical working distance should be compatible with the chamber. It should have Infrared Chamber Scope (IRCCD) for real time view.

Stage	<p>5-axis, Eucentric Motorized stage and the stage should be controlled by both software & joystick controller in all axes. The stage movements should be:</p> <ul style="list-style-type: none"> • X=110 mm or more; Y= 110 mm or more; Z=50 mm or more; • Tilt = - 3° to + 70° or better; R=360° - continuous.
Electron Optics	<ul style="list-style-type: none"> • Should have Beam Deceleration/Beam Booster Technology/Gentle Beam Technology or equivalent for high resolution imaging at low kV. • Should have lens design of combination of Electromagnetic & Electrostatic lenses technology or Super Hybrid Lens design or equivalent lens design technology to cover the high-resolution imaging of all kinds of samples. • The system should be able to achieve high resolution imaging of magnetic materials, like ferromagnetic steel, quantum dots etc. even with shorter working distances (≤ 3 mm). • During the stage tilt operation, blurred image corrections should be controllable with proper adjustment.
Probe Current	At least 4 pA or lower to 100nA or higher.
Detectors	<ul style="list-style-type: none"> • Chamber mounted Secondary Electron Detector (ET-SED) • Chamber mounted Back Scattered Electron Detector (BSED) • In-Lens/In-column Secondary Electron Detector • Separate In-Lens/ In-column Back Scattered Secondary Electron Detector • Chamber mounted Secondary Electron Detector for working in VP / LV mode • Separate Cathodoluminescence Detector for imaging purpose • Mixing of different signals must be possible at any ratio
User Interface	Keyboard, Mouse, Control Panel with multifunction for the control and adjustment of frequently used SEM parameters, Manual Joystick control for stage axis should be supplied.
Display& Image processor	<ul style="list-style-type: none"> • High definition display system to view live images of different detectors simultaneously • Software should be capable of automatic generation of report in MS-Office. MS-office to be provided. • Image acquisition system should be compatible with Windows 10 or recent operating system version of windows. • Operating conditions need to be stored. • The system should be capable of collecting & store live image with higher resolution (preferably 6000 x 4000 pixels or more). • Automatic and manual control of a large number of functions including Auto emitter system run-up, auto brightness, auto contrast, auto stigmator, auto focus, Auto Alignment etc.
Vacuum System	<ul style="list-style-type: none"> • The vacuum system should be operated with computer controlled, pneumatic operated valves with full safe protection for mains, high voltage and vacuum failures. • Should be working in both High and Low Vacuum / Variable Pressure modes. • Low vacuum (VP) should go at least 50 Pa or more or equivalent type as per the requirements. • Suitable vacuum system having ion Getter Pump (IGP), Turbo Molecular Pump (TMP) and Oil free Rotary Pump (RP) for attaining required vacuum levels in Electron Gun/Column and Specimen Chamber and for hassle-free operations. A turbo

	<p>molecular pump backed by a two-stage dry (oil-free) rotary pump for the specimen chamber.</p> <ul style="list-style-type: none"> • Isolation valves for specimen chamber and high vacuum system during sample loading. Automatic venting with dry nitrogen. • Seamless transition between the vacuum modes. • Faster vacuum recovery after breaking for specimen exchange.
Computer	<p>Compatible windows based latest configuration computer/workstation (1TB or more hard disk, 8GB or more RAM, front panel USB ports, CD/DVD recorder) with all its peripheral devices and add-on cards required for FESEM operation.</p> <p>Additional input slots for future usage.</p> <p>Most recent OS is preferred (i.e. Windows 10 or higher version).</p>
Software	<p>Pre-loaded original licensed software having all regular and advanced measurement functions based on latest Windows OS with Customizable GUI.</p> <p>Software should be reloaded or upgraded whenever required at free of cost during warranty period.</p> <p>The system should be able to capture live images stored at different resolution.</p> <p>Offline software with key for analysis should be provided.</p>
Essential Accessories (must provide)	<ul style="list-style-type: none"> • Good quality Water Chiller – air-cooled, to be supplied with the main system. • Compressor- to be supplied with the main system • Infrared colour CCD Camera for viewing inside the specimen chamber • Control Panel with integrated key board for adjustment of various frequently used SEM parameters • Interface between SEM and EDS for smooth integration. • Joystick for controlling the complete stage movements manually in all axes • Gold Sputter Coater (FESEM quality) with suitable vacuum pump & one additional Gold target. • At least 20 nos. of double-sided conductive Carbon Tape. • Specimen stab: 50 nos (atleast) • Multiple specimen holders: 5 nos. • Specimen Preparation tools kit • Plasma Cleaner • Peltier Colling Stage (-20°C to +50°C or better) • Pneumatically retractable STEM detector (with resolution 0.7 nm or better @ 30 kV) with sample holder. • Critical point dryer (CPD). • UPS 10 KVA or more with 1 hour's back-up
Standard Samples	<p>Standard samples for resolution & magnification calibrations</p>

Energy Dispersive Spectroscopy	<p>Advanced Liquid Nitrogen (LN₂) free SDD type Energy Dispersive Spectroscopy system with suitable window for low energy X-ray transmittivity and must be compatible with the FESEM system:</p> <ol style="list-style-type: none"> Liquid Nitrogen free with integrated Peltier cooling system Typical energy resolution of 127 eV, measured at Mn Kα. The EDS should detect energy of element starting from Be (4) to U (92) or higher atomic numbers. Detector area 30 mm² or higher. Detector window should be made by robust material and with honeycomb grid structure supporting grid, to increase X-ray transmissivity and increase light element sensitivity EDS must be plasma cleaner compatible and Low vacuum operation compatible Vacuum encapsulated module: better low energy sensitivity, lower power draw A software package for fast and accurate elemental analysis with an easy-to-use user interface for EDS data collection and analysis, software functions like point ID, mapping, Line Scan, Multi point analysis and reporting option must be provided. EDS detector must be plasma cleaner compatible.
Future Upgradation	The complete system should be flexible enough to be upgraded on site with various hardware accessories, various detectors / accessories, heating/cooling/Cryo stage, EBSD, WDS, etc. as well as various software at any point of time in future. The supplier shall supply the compatible software for FESEM and EDS whenever they are upgraded at free of cost.
Warranty	5 years from the date of successful installation and commissioning. FEG Source to be provided at free of cost during the warranty period as required.
Installation, Commissioning & Training	<p>The installation, commissioning, and demonstration of complete system to be carried out by the supplier at free of cost.</p> <p>After successful installation and commissioning, on-site operational training for the deputed personnel to be provided for required days at no additional cost.</p> <p>The vendor should provide the consolidated salary package of an operator for operating the instrument for 1 (one) year from the date of installation.</p>
Service Facility	<p>The supplier must have sufficient nos. of service engineers in India as well as in the nearby region to provide prompt service. <i>The vendor should have demo lab with a similar instrument or better and must analyze the samples free of cost during instrument breakdown under warranty period, so that research works should not stop.</i></p> <p>System should be supplied with all necessary tools for emitter change including baking heater, Vacuum recording device etc.</p> <p>Service response time must be within 72 hours (working hours).</p>
Other Criteria	The manufacturers must have at least 10-15 nos. of FESEM installation in India in last 5 years. Necessary documentary proof should be enclosed
Pre-Installation requirement	<p>Pre-installation details, such as, room, floor plan, size, electrical requirements and EM & vibration levels etc. should be sent immediately after the placement of the order and the installation site should be measured physically to check its suitability by the vendor. A copy of that needs to be enclosed along with the tender bid.</p> <p>Necessary environmental requirements, i.e. temperature, humidity etc. during the operation (and unused hours) of FESEM & EDS should be specified clearly.</p>
AMC	After warranty period, the AMC should be quoted separately for 3 years.

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ANNEXURE-IV

TENDER ACCEPTANCE LETTER
(To be given on Company Letter Head)

Ref. No.

Date:

To,

The Registrar
National Institute of Technology Meghalaya
Bijni Complex, Laitumkhrah
Shillong 793003, Meghalaya

Sub: Acceptance of Terms & Conditions of Tender.

Tender Reference No.: NITMGH/..... dated2021

Name of Tender:-

Sir,

1. I / We have downloaded / obtained the tender document(s) for the above-mentioned Tender from the website of NIT Meghalaya, Shillong as per your advertisement, given in the CPP Portal and the above mentioned website.
2. I / We hereby certify that I / we have read the entire terms and conditions of the tender documents from Page No.....to (including all annexure(s), schedule(s),etc.,),which form part of the contract agreement and I / we shall abide hereby by the terms / conditions / clauses contained therein.
3. The corrigendum(s), if any, issued from time to time by NIT Meghalaya, Shillong, have also been taken into consideration, while submitting this acceptance letter.
4. I / We hereby unconditionally accept the tender conditions of above-mentioned tender document(s) /corrigendum(s)in its totality/ entirety.
5. I/WedoherebydeclarethatourFirmhasnotbeenblacklisted/debarredbyanyGovt.Department/Publicsectorundertaking.
6. I / We certify that all information furnished by our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then NIT Meghalaya, Shillong shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.

Yours Faithfully,

(Signature of the Bidder, with Official Seal)
