



Dr B R AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY

G T Road By Pass, Jalandhar-144008, Punjab (India)

EPABX-0181-2690301 & 453 website: www.nitj.ac.in email: registrar@nitj.ac.in

tender Notice No. NITJ/PUR/20/25/tender no. 82/2025

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Deputy Registrar

Dr. B. R Ambedkar NIT Jalandhar

Email: arpurchase@nitj.ac.in , drpurchase@nitj.ac.in



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**THIS DOCUMENT IS FOR REFERENCE ONLY. ONLY TENDERS WILL BE
ACCEPTED**

tender Notice No. NITJ/PUR/20/25/tender no. 82/2025

National Institute of Technology, Jalandhar invites tender to **Purchase of BET Surface Area Analyzer required for Institute Instrumentation Centre of the Institute** as per detail available at Annexure-I along with the Tender Fee & EMD as per details given below:

I	Downloading & Submission of Online tender/bids	Start Date: 08.11.2025 at 03:00 PM
II	Last date of submission of online bids	End Date: 08.12.2025 up to 03:00 PM
III	Physical submission of Tender Fee and EMD	End Date: 09.12.2025 up to 03:00 PM
IV	Opening of Technical bid	09.12.2025 at 03:00 PM

Detailed Terms and Conditions are available in the tender document. The bid document can be downloaded from the www.nitj.ac.in.

The complete tender document is available for reference purposes on the Institute website www.nitj.ac.in and [CPP Portal](#).

NOTE: This is a Global Tender. According to the special provisions of MoE in reference to order no. F.No.33-3 /2022 -TS.III dated 07.07.2025, the above item is of scientific category required for research purposes. Hence, the Make In India Guidelines are not applicable to this tender.

Registrar



Ref. No. tender Notice No. NITJ/PUR/20/25/tender no. 82/2025

Details of Equipment, Tender Fee & EMD are as under:

Sr. No.	Item/Equipment	Qty.	Tender Fee	EMD
1.	Bet Surface Area Analyzer	01	Rs. 500/-	Rs. 2,40,000/-

Note: The quantity of required equipment/item may vary as per requirement.

***Exemption of Tender fee & EMD will only be given to MSE/NSIC registered bidders.**



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Important Note

1. All corrigenda, addenda, amendments and clarifications regarding this tender document will be uploaded on the website www.nitj.ac.in and CPP Portal and not in the newspaper; Bidders shall keep themselves updated with all such developments.
 2. In case, the last date of receipt/opening of bids falls on holiday, the bids shall be receipt/opened on the next working day at same time.
 3. In case, the last date of submission of EMD & Tender fee falls on holiday, the EMD & Tender fee shall be submitted on the next working day at same time.
 4. Tenderer who have downloaded the tender document form from the institute website, shall submit a declaration along with tender document that I/We have downloaded the Tender Form from the institute website www.nitj.ac.in and I/we have not tempered /modified the tender form in any manner. In case, if the same is found to be tempered/modified in any manner, I/we understand that my/our tender will be summarily rejected and I/we are liable to be banned from doing business with institute.
 5. **Tender fee of Rs.500/- (Non- refundable) in the form of DD in favour of Director, D R B R Ambedkar NIT, Jalandhar.**
 6. **EMD (refundable) in the form of DD in favour of Security- A/c, DR B R Ambedkar NIT, Jalandhar.**
 7. **Both EMD and Tender fee are be submitted as per dates mentioned in schedule, failing which bids will not considered.**
- ❖ **All the bidders are required to submit the Tender Fee and EMD as per requirement of tender document failing which bids received straightway rejected and bid will be treated invalid.**
 - ❖ **Note: If the bidder inadvertently or otherwise upload the quoted rates in the technical bid, the bid will be straightway rejected and treated invalid.**
 - ❖ **If the bidder is exempted for payment of Tender Fee and EMD as NSIC/MSE registered bidders, then bidder is required to submit NSIC/MSE exemption certificate for same. The Certificate must be valid as on last date of submission of bid.**

Tenderer must submit a scanned copy (duly signed and stamped) regarding terms & conditions as per our tender documents along-with make/model, specifications, bill of quantity as per required equipment in the technical bid for examine the bid as per our institute tender documents. It is noted that no rate should be depicted in the letter head.



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Instructions to Tenderer

1. Tender Can be submitted in both physical and online mode. It is necessary for the Indian bidders to quote Online. Offline bids from Indian bidders will not be considered and stand rejected. Bidder outside India can submit their bids offline in sealed envelope. The both Technical and Financial bids should be in different sealed envelopes.

Note: All the Annexure of the tender document should be filled manual with signature and stamp before submission.

2. Bids are to be submitted online and opened online as per time given failing which no tender will be considered.
3. Bids will be opened online as per time given schedule.
4. **Before submission of online bids, bidders must ensure that scanned copies of all the necessary/relevant documents have been uploaded with the bid which should be duly signed and stamped. The duly signed and stamped copies of Terms & Conditions of the tender, reply of the Questionnaire of Plant & Machinery and other documents of the Tender & Annexures must be uploaded, failing which their bids may be rejected.**
5. NIT JALANDHAR, will not be responsible for any delay in online submission of bids due to any reason whatsoever.
6. **Bidders should also upload the scanned copies of Tender fees/EMD/Exemption Certificate as specified in the tender documents along with online technical documents. EMD in the form of a Demand Draft in favour of the Security – A/c, Dr B R Ambedkar NIT, payable at Jalandhar (refundable separate) and Tender Fee in the form of a Demand Draft in favour of the Director, Dr B R Ambedkar NIT, payable at Jalandhar (Non- refundable separate) should also be submitted in physical form to the following address as per the scheduled time given for physical submission of EMD and Tender fee. The Envelope should be super- scribed as EMD and Tender Fee for Tender for Supply Bet Surface Area Analyzer required for Institute Instrumentation Centre of the Institute and sent to the following address: -**

Kind Attention- Deputy Registrar (Purchase Section)

Director,

Dr B R Ambedkar National Institute of Technology,

G T Road Amritsar By Pass, Jalandhar-144008, Punjab (India).

Note: The details of EMD specified in the tender document should be same as submitted online (scanned copies). Otherwise tender will be rejected summarily.

7. The conditional bids shall not be considered and will be out rightly rejected.

Read and Accepted

(Signature & Stamp of Tenderer)



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The Financial Bid through tendering process shall be opened of only those bidders, who will qualify in the technical bid and approved by the Purchase Committee/Technical Experts. The date, time & place of opening of the financial bid(s) will be intimated in due course of time.

10. At any time prior to the deadline for submission of bid, the institute may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective tenderer(s), modify the tender document by issuance of an amendment.
11. The amendment will be uploaded on Institute website and CPP Portal only. In order to provide reasonable time to prospective tenderer(s), for preparing their bid as per amendment, the institute may, at its discretion extend the deadline for the submission of tender.
12. **The supplier must upload the original manuals/catalogue and Make/Model of the Equipment /Item. Otherwise bid is liable to be rejected.**
13. The Institute is not liable to pay any interest on EMD. Earnest money deposit shall be forfeited, if the tenderer, withdraws its bid during the period of tender validity. The Earnest money deposit of the tenderer, whose tender has been accepted, will be returned on the submission of **performance security @ 3% of the total value of the offer. The performance security will be kept till the warranty period + 02 months more of the Equipment /Item. The warranty period will start from the date of satisfactory installation of the Equipment /Item duly given by the concerned department.** Earnest money deposit of the successful tenderer shall be forfeited, if it refuses or neglects to execute the contract or fails to furnish the required performance security within the time frame as specified by the institute. The EMD(s) of other Bidder(s) whose offer are found according to required specifications/ lowest will be released after finalization of Technical Bids/ Lowest Bid/Purchase.
14. The Format of Performance Bank Guarantee bond or Performance Bank Guarantee issued by the bank as per the format given in **Annexure “B” & “C”.**
15. Delivery time is the essence of the contract and must be met with.
16. Nearest specifications/better specifications can be considered. In case of deviation, complete justification should be furnished with proper documents.
17. The Director may accept a tender in part or whole of the quantity offered, reject any tender without assigning any reasons and may not accept the lowest bidder. Further in case of any doubt/dispute, the decision of the Director of the Institute shall be final.
18. The offer shall be kept valid for minimum 120 days.

Read and Accepted.

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19.
 - a) Either the agent/ dealer on behalf of the Principal/OEM or Principal/OEM itself can bid but both cannot bid simultaneously for the same item/product in the same tender.
 - b) If an agent/ dealer submits bid on behalf of the Principal/OEM, the same agent /dealer shall not submit a bid on behalf of another Principal/OEM in the same tender for the same item/product.
 - c) All offers other than those from the Principal/OEM should be supported by an authority letter from the manufacturer authorizing the dealer /supplier to tender on their behalf as per **Annexure-D**. In case of manufacturer, a certificate or a copy thereof to the effect that the bidder is a manufacturer of the Equipment /Item must be accompanied with the technical bid.
20. The supplier will be responsible till the entire stores contracted for, arrive in good condition at destination.
21. The tenderer should not have been debarred and/ or blacklisted by any Central Government/ or any State Government Department(s) . This must be supported by an affidavit as per format given in **Annexure-“E”**.
22. If any information furnished by the bidder is, at any stage found to be incorrect/false/fabricated, the Institute shall have the absolute right to forfeit the EMD, warranty/performance guarantees or/and security deposits, in addition to cancellation of contract, and in accordance with law, such other actions may be taken like black-listing of the bidder, etc.

Read and Accepted.

(Signature & Stamp of Tenderer)



TENDER EVALUATION

Institute will evaluate all the proposals to determine whether these are complete in all respects as specified in the tender document. Evaluation of the proposals shall be done in two stages as:

(a) Stage – I (Technical Evaluation):

- (i) Institute shall evaluate the technical bid(s) to determine the following like the bid qualifies the essential eligibility criteria or not, the tenderer has submitted the EMD & Tender fee or not, any computational errors have been made or not, all the documents have been properly filled or otherwise, all the documents have been submitted/ uploaded with technical bid or not, the specifications, Make/Model, Catalogue of quoted Equipment /Item are as per requirement tender specifications or not, Authorization of Dealer / Distributor/ Exclusive Agent certificate from manufacturer is in order or not, Sales & service policy of equipment / item during warranty period and after warranty period will also be seen, location of their authorized service center will also be seen for evaluation etc.

After evaluation of technical bid(s), a list of the qualifying tenderer (s)/ bidder s) shall be made. Short-listed tenderer(s) will be informed of the date, time and place of opening of financial bid(s) and they may attend or depute their authorized representative/s to attend the schedule of opening of financial bid(s) on the scheduled date and time, if they wish to do so. The representative(s) should have a letter of authority to attend the price bid(s) opening event.

Read and Accepted

(Signature & Stamp of Tenderer)



PART – II (e-FINANCIAL BID):

- a) Bidders should offer the rates as per the format of BOQ as available on the CPP Portal. **A detailed bill of material/quantity is also to be provided along with the price breakup of each item as per the requirement of the tendered specification of the equipment in the online price bid at [CPP Portal](#).**

❖ **Note: The quoted amount as filled in the Annexure(s) of online financial bid and detailed bill of material/quantity provided with price break up of each item in the online financial bid should be tallied and both must be same, otherwise bid will be treated invalid.**

- b) Conversion to Single Currency: To facilitate evaluation and comparison, the Institute will convert all the bid prices expressed in the amounts in various currencies to the Indian Rupees as per the TT selling rates of RBI on the date of opening of technical bids.
- c) Custom, GST, or any other taxes, Education Cess, and other charges must be mentioned in the price bid. The financial evaluation/comparison will be made after including all the above-mentioned charges/taxes.

Read and Accepted.

(Signature & Stamp of Tenderer)



ARBITRATION:

In case of any dispute or difference arising out in connection with the tender conditions/job order/Contract, the Institute and the Seller/Service Provider will address the dispute/difference for a mutual resolution and failing which, the matter shall be referred for arbitration to a sole Arbitrator to be appointed by the Institute.

The Arbitration shall be held in accordance with the provisions of the Arbitration and Conciliation Act, 1996 and the venue of arbitration shall be at Jalandhar only. The decision of the Arbitrator shall be final and binding on both the parties.

JURISDICTION:

The courts at Jalandhar alone will have the jurisdiction to trial any matter, dispute or reference between parties arising out of this tender / contract. It is specifically agreed that no court outside and other than Jalandhar Court shall have jurisdiction in the matter.

Read and Accepted.

(Signature & Stamp of Tenderer)



(TERMS AND CONDITIONS (FOR THE SUPPLY OF GOODS, EQUIPMENT /ITEM)

1. Rate should be quoted F.O.R NIT Jalandhar .
2. Where the Equipment / Machinery/ Instrument are composed of several sub units/components, the rate should be quoted for each subunit/component separately. NIT Jalandhar reserves the right to increase or decrease the number of sub units/components and number of Equipment / Machinery/ Instrument according to its requirements.
3. The institute being government educational institute is having Excise and Custom duty exemption in terms of government notification No. 51/96-customs Dt. 23-7-1996 and No. 10/97-central excise Dt. 1-3- 1997 as amended from time to time, therefore taxes be quoted accordingly and this must be depicted in Price Bid clearly.
4. GST or any other chargeable duty where applicable must be specifically mentioned, failing which no tax or duty will be allowed at subsequent stage.
5. All items shall be indicated both in words as well as in figures. If there is difference between amount quoted in words and figures, amount quoted in words shall prevail.
6. **Payment:**
 - (a) 100% payment will be made against physical delivery, inspection, installation, training of the Equipment/Machinery/Instrument etc. in the institute, receipt of satisfactory working report of the Equipment / Machinery/Instrument etc. and receipt of Performance Bank Guarantee @ 3%.
7. **Warranty: Rates should be quoted with comprehensive warranty.** Besides this, policy regarding after sale service on the expiry of warranty period of Equipment / Machinery/Instrument etc. may be explained. The bidders should attach duly signed and stamped certificate of **warranty** as per **Annexure-F** with the technical bid.
8. **Training: In house training (where applicable) after the installation and commissioning of Equipment / Machinery/Instrument etc. shall be provided by the supplier.**
9. **Delivery:** Delivery date will be mentioned in the supply order. The time and date of delivery or dispatch stipulated in a supply order shall be deemed to be the essence of the supply order and if the supplier fails to deliver or dispatch any consignment within the period prescribed for such delivery, the delayed consignment will be accepted subject to penalty as laid down in the supply order, which will be recovered from the pending payments.

Read and Accepted.

(Signature & Stamp of Tenderer)



1. No recovery of penalty will be made, if the delayed supplies are acceptable by extending the delivery period by the Director with our any LD charges.
2. Director will allow extension on the request of the supplier by recording in writing that in exceptional circumstances the supply was beyond the control of the supplier and there was no loss to the institute.
3. Penalty on account of delay, Director NIT, Jalandhar reserves the right to impose 0.5% (Half) per cent penalty per week on account of delay in supply, if delivery received after expiry of the original delivery period. The total penalty will not exceed 10% of the value of the delayed goods.

10. Installation: Supplier has to install the Equipment / Machinery/ Instrument within two to three weeks from the receipt of the Equipment / Machinery/Instrument etc. in NIT Jalandhar.

11. Spares and Accessories, wherever required should be quoted separately and clearly, even if these are not asked for.

12. Site Preparation: The supplier shall inform NIT Jalandhar about the site preparation, if any, needed for the installation, immediately after receipt of the supply order. Supplier must provide complete details regarding space and all infrastructural requirements needed for the Equipment / Machinery/Instrument etc which NIT Jalandhar should arrange before the arrival of Equipment / Machinery/Instrument etc to ensure its early installation and smooth operation thereafter. The supplier may offer his advice and render assistance to NIT Jalandhar in the preparation of the site and other pre installation requirements.

13. The total scope of work includes the supply, installation, satisfactory commissioning and testing of the Equipment / Machinery/Instrument etc by the supplier, training at NIT Jalandhar, method development and validation for parameters as mentioned in specifications at **Annexure-A**. The supplier will complete installation & Commissioning of Machine within two to three weeks from the date of receipt of Equipment / Machinery/Instrument etc. of NITJ.

14. Details about the service center for the quoted Equipment / Machinery/Instrument etc. in India may be mentioned.

Read and Accepted

(Signature & Stamp of Tenderer)



Acceptance

We _____ read and accept the instructions to the tenderer, terms & conditions and all other documents as mentioned in the tender and shall comply with them strictly.

Name of Bidder _____

Signature

Address _____

Seal of firm:

Date:



Questionnaires A & B

QUESTIONNAIRE FOR PLANT & MACHINERY

Note: Please submit the reply in detail and also enclose the necessary documents with proof where required as per Questionnaire. These documents must be submitted in the technical bid document.

Please state that you have submitted your quotations as per procedure mentioned below:-

- Bids consisting of technical details bringing out clearly in a separate sheet, the deviation in the specifications if any from that of tender enquiry specifications along with commercial terms and tender form.
1. Please attach list duly signed by you, for such spare parts and tools which are absolutely essential for proper maintenance and operation of machine for a period of two years giving full particulars of spare and tool with a price of each spare parts and tools separately.
 2. Please confirm that you have adequate servicing and spare parts facilities in India in respect of Equipment /Item tendered by you or that you should arrange to provide such facilities simultaneously.
 3. Please indicate that you guaranteed that before going out of production of spare parts, you will give adequate advance notice to the purchaser so that the institute may order his requirements of spares in one lot ,if he so desire.
 4. Please indicate that you guaranteed that if you go out of production of spare parts, then you will make available prints, drawings of the spare parts and specifications of the material at no cost if and when required in connection with Equipment /Item to enable the purchaser to fabricate or procure spare parts from other sources.
 5. Please confirm that you undertake to enter into a rate contract with the purchaser to supply spare parts on an agreed basis for an agreed period.
 6. Status:-
 - a) Indicate whether you are ISU or SSI
 - b) Are you registered with Government e-Marketing (GeM) for the item quoted? If so indicate whether there is any monetary limit or registration.
 - c) If you are a small scale unit registered with NSIC under single point registration scheme whether there is monetary limit.
 7. a) If you are registered either with NSIC or with Government e-Marketing (GeM), please State whether you are registered with Directorate of industries of the state government concerned.
 - b) If so, confirm whether you have attached a copy of the certificate, issued by Director of industries.
 8. Please indicate:-
Name & Full Address of your Banker
 9. Please indicate whether you agree to submit advance samples if called upon to do so within the specified period of 21 days.



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10. Business name and constitution of firm:-

- i) The Indian company Act.1956
- ii) Indian partnership Act.1932
- iii) Any act, if not, who are the owner/partners (please give full name and address)

11. Whether the tendering firm is / are:-

- i) Manufacturers authorized agents
- ii) Holders stock of the stores tendered for
- iii) **NBI manufacturer's agents please enclose with tender the copy of manufacturer's authorization.**

12. Please state whether the inspection clause is acceptable to you

13. Here state specifically:-

- i) Whether the price quoted by you is to the best of your knowledge and belief is not more than the price usually charged by you on stores of the same natures, class of description to any private purchase either foreign or as well as government purchaser. If not state the reason thereof if any also indicates the margin of Difference.
- ii) In respect of indigenous items for which there is a controlled price fixed by law, the price quoted shall not be higher than that the controlled price and rates available on DGS&D/ Government e-Marketing (GeM) contract. The reason thereof should be stated.

14. State whether business dealing with you has been banned by Ministry /Department of supply or any other Govt. Department.

15. Please confirm that you have read all the instruction carefully and have complied with accordingly.

(Signature of Tenderer)

(_____)

1. Full Name & Address of the person signing

(_____)

2. Whether signing as proprietor /partners



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PERFORMA FOR PERFORMANCE STATEMENT

(For the Period of last 3 years)

tender Notice No. NITJ/PUR/20/25/tender no. 82/2025						
Sr. No.	Order (full placed address of purchaser)	Order No. & dated	Description And Qty. of Stores Ordered	Value of Order	Date of Completion of delivery	Has the Equipment/Item been satisfactory commissioned



Specifications: -

Annexure-2

Specifications

BET Surface Area Analyzer

Sl No	Feature	Specifications
1	Analyzer	A high-end sophisticated software-controlled automatic BET surface area analyzer. The instrument should be automatic and capable of performing physisorption of various gases and along with features to measure the adsorption/ desorption isotherms, surface area, the pore size distribution of Microporous, Mesopores and Macroporous materials (activated carbons, biochar, catalyst supports (alumina, silica, carbon), frameworks, metal foams, metal organic, metal powders, etc.) It should have powder protect mode to avoid sample elutriation. It should have 3-valve evacuation system with proportional, coarse, and fine vacuum valves, virtually eliminates risk of sample elutriation without requiring special evacuation parameters for different sample types.
2	Measurement Principle	Volumetric gas adsorption technique.
3	Analyzer Capability	Gas sorption isotherm, BET specific surface area, BET automatic analysis, Langmuir specific surface area, BJH, DH, method, t-plot, Adsorption rate measurement, differential adsorption isotherm, NLDFT/GCMC models, etc. System should have capability to use up to 3 gases concurrently, one probe gas on each port
4	Adsorptive Gases	Should be compatible with N ₂ , Ar, Kr, CO ₂ , CH ₄ , H ₂ and any other non-corrosive gases and also with vapor sorption capability.
5	Port for Saturation vapor pressure	System should have two dedicated port with its own pressure sensor to measure saturation vapor pressure, the material should be glass to experience the same thermal conditions as that of the sample cell.
6	Gas inlet ports	6 or more gas inlet connections with automatic port selection through software.
7	Sampling Stations	The system should have three or more sample analysis ports for Micropore sample analysis
8	Measurement range	<ul style="list-style-type: none">• Surface area: 0.01 m²/g and above• Pore Diameter Range: 0.35- 500 nm or better.• Low pressure isotherm starting from P/P₀ = 10⁻⁸ to 0.99 better with (N₂ @77K, Ar @87K).
9	Pressure Transducers	<ul style="list-style-type: none">• 1000 Torr or better, 10 Torr or better, 1 Torr or better, compatible for different pore size materials
10	High Vacuum system	Instrument shall have an internal turbo-molecular drag pump with a manufacturer's specification of 3.75 x 10 ⁻¹⁰ Torr (5x10 ⁻¹⁰ mbar) or better and dry diaphragm pump system to achieve a pressure at the analysis port of 2x10 ⁻⁵ Torr (2.67x10 ⁻⁵ mbar) or better
11	Void volume correction.	cryogen free space control using isothermal jacket
13	Sample Pretreatment	The Instrument must have 6 or more degassing stations with access to turbo vacuum <ul style="list-style-type: none">• Degassing temperatures up to 450 °C.• The system must ensure completion of degassing.• The system must have Flow & vacuum, degassing• Degassing system must be connected to the turbo pump for better degas for samples.

Handwritten signatures and initials

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		<ul style="list-style-type: none"> Suitable quartz tubes for samples must be provided.
14	Cryo cooling	Dewar vessel of capacity: 3L or more, with liquid nitrogen holding time: 70 hours or more, virtually unlimited with refill during analysis
	Analysis capability	System should have capability to analyze a sample with 3 separate probe gases simultaneously, one on each port within a single run
15	Analysis manifold temperature	Analysis manifold temperature - Range: 45 °C - Stability: ±0.05 °C. Sample temperature measurement should be taken directly from a thermocouple inside the sample cell.
16	Software for instrument control	<p>The control software should control and monitor all the operating parameters during degassing as well as analysis.</p> <ul style="list-style-type: none"> The software should display instrument status, and real time isotherm parallel for all the samples during measurement. Default templates with measurement parameters should be available along with the flexibility to set the parameters as per user requirement. Software should have provision to alter measurement parameters during sample measurement. System check program for analyzer status and diagnostics should be available. Instrument schematic with valve controls should be displayed and should be easily accessible The software should display the gas Adsorption, desorption isotherm for the sample measurements Facility to monitor the progress of measurement in real time should be available
17	Software for Analysis / measurement	<p>Software should be capable of calculating specific surface area by Langmuir and BET equations.</p> <ul style="list-style-type: none"> Software should have the provision to measure the pore volume, pore area for mesoporous samples based on BJH, DH, method. Software should have the provision to calculate the Pore specific surface area based on Adsorption/Desorption t plot, as plot, MP method should be available for the evaluation of Microporous samples. Different standard t curve data (at least five standard curves) should be available for data evaluation. Software should be capable of parallel plotting the values during measurement. Features like, isotherm overlay, BET plot overlay, differential isotherm should be available. Option to print isotherm, various plot should be available. Facility to speed up the measurement with optimum amount of gas dosing based on adsorption isotherm data from previous sample measurement should be available <p>The analysis software for measured data should be provided. The software should have the data handling features like user defined report generation, data/ figures export to spread sheets and offline data processing etc.</p> <ul style="list-style-type: none"> Software for Adsorption rate measurement, differential adsorption isotherm, NLDFT /GCMC models, should be included. <p>Instrument software should include 20+ built-in analysis profiles aligned with ASTM, DIN, or ISO.</p> <p>Regular up-gradation of software</p>
19	Essential Accessories	<ul style="list-style-type: none"> Surface area reference material should be supplied 2 nos, one for micropore and one for surface area 10L Cryo Can should be supplied for liquid nitrogen transfer One set of manual and service manual (both hard and soft copy in English) should be supplied with the equipment.



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		<ul style="list-style-type: none">● Gas cylinders for nitrogen, helium, zero air.● Recirculating Dewar Kit- Recirculating Dewar and items required to interface a temperature controller with the equipment. Includes jacketed Dewar with support for CO₂ analysis, and a sample cell for vapor analysis.● The system should be equipped with safety features such as an over-temperature protection sensor.
20	Training	The manufacturer/supplier of instrument should provide three days onsite training in both hardware and software to the laboratory personnel in the installation, operation, and maintenance of the instruments.
21	Warranty	36 months from the date of completion of the installation & commissioning of the system.
22	Computer & UPS	A suitable branded computer with i7 configuration, 1 TB SSD, windows 10 or higher, WIFI for system control & data acquisition with at least 1 year warranty. Online 5 KVA UPS or as required by the complete system to be included with 60 min battery back up, maintenance-free batteries, and with at least 2 years warranty.
23	Gas Regulators & Cylinders	99.999% Nitrogen, Helium & Zero air 47ltr Capacity filled Gas Cylinder along with Double stage SS regulators & all tubing's & connectors, nuts, ferrules should be supplied.
24	Pre-installation Requirements	Complete technical details of pre-installation requirements should be furnished along with the bid. Vendors are required to quote all other installation accessories, and services required for successful installation and smooth operation of the equipment.
25	Upgradeability	The system should be fully upgradeable to Vapor sorption option
26	Table	Anti-vibration table for the instrument-01
27	Installation	Installation and on-site training (minimum three training courses) by trained person free of cost. The vendor is responsible for the complete and successful installation of the system at the institute. All accessories must be supplied so that the instrument can be plugged in power socket and ready to use.
28	Power Supply	Should meet Indian Power standards.
29	Nitrogen Generator	A nitrogen generator with 99.999% Nitrogen purity and of desired pressure required for the operating the BET surface area analyzer must be quoted separately as optional.

 

FORMAT FOR PERFORMANCE BOND/GUARANTEE

(Undertaking from the supplier on a Non-Judicial Stamp Paper of requisite duly attested by Notary)

In consideration for “The Registrar, National Institute of Technology Jalandhar (hereinafter called NIT Jalandhar) having agreed to release the payment of net value as per terms and conditions of a concluded Order No. _____ dated _____ (hereinafter called ‘the order’) for supply of _____ (here in after called ‘the Equipment /Item)to us Messrs. _____ (hereinafter called ‘the supplier’) on submission of a Performance Bond to the satisfaction of NIT Jalandhar for the due performance of the said order.

We, Messer’s _____ hereby submit the FDR/TDR No. _____ issued by _____ (Name of Bank) for _____ pledged in favour of Registrar, NIT Jalandhar as performance guarantee amount and hereby irrevocably, unconditionally and absolutely undertake against any loss or damage caused or suffered by NIT Jalandhar by reason of any failure of the supplier to perform or omission or negligence to perform any part of its obligations to the satisfaction of NIT Jalandhar in terms of the order.

We, the supplier, do hereby authorize Registrar, NIT Jalandhar to forfeit this Performance Guarantee amount / undertake to pay the amount due and payable under this guarantee without any demur merely on a demand from the NIT Jalandhar stating that the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by the NIT Jalandhar by reason of any breach by us of any of the terms and conditions contained in the said order or by reason of our failure or omission or negligence to perform the said order or any part thereof. We, the Supplier, undertake to pay to NIT Jalandhar any amount so demanded by NIT Jalandhar, notwithstanding:

- a) Any dispute or difference between NIT Jalandhar and supplier or any other person or between the supplier or any person or any suit or proceeding pending before any court or tribunal or arbitrator relating thereto; or
- b) The invalidity, irregularity or unenforceability of the order; or
- c) Any other circumstances which might otherwise constitute discharge of this guarantee, including any act of omission or commission on the part of NIT Jalandhar to enforce the obligations by the supplier or any other person for any reason whatsoever.

We, the Supplier, further agree that the performance Bond/ Guarantee herein contained shall be continued one and remain in full force and effect during the period that would be taken for the performance of the said order and that it shall continue to be enforceable till all the dues of the NIT Jalandhar under or by virtue of the said order have been fully paid and its claims satisfied or discharged or till the office of the Registrar, NIT Jalandhar certifies that terms and conditions of the said order have been fully and promptly carried out by us and accordingly discharges this Performance Bond/ Guarantee.

We, the Supplier, further agree with NIT Jalandhar, that NIT Jalandhar shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said order or to extend time of performance by the said supplier from time to time or to postpone for any time or from time to time and of the powers exercisable by the NIT Jalandhar against the said supplier and forbear or enforce any of the terms and conditions relating to the order and we shall not be relieved from our liability by reason of any such variation or extension being granted to us or for any forbearance, act or omission on the part of NIT Jalandhar or any indulgence by NIT Jalandhar to us or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

This Performance Bond/Guarantee will not be discharged due to the change in the constitution of the supplier. We, the Supplier, undertake not to revoke this Performance Bond / Guarantee except with the prior consent of NIT Jalandhar in writing.

The disputes relating to this Bank Performance Bond / Guarantee shall be resolved as per the terms and conditions of the order.



FORMAT FOR PERFORMANCE BOND (BANK GUARANTEE)

In consideration for the Registrar, National Institute of Technology Jalandhar, (*hereinafter called NIT Jalandhar*) having agreed to release the payment of net value as per terms and conditions of a concluded Order No. _____ dated _____ (*hereinafter called ‘the order’*) for supply of _____ (*hereinafter called ‘the Equipment /Item’*) to Messrs _____ (*hereinafter called ‘the supplier’*) on submission of a Bank Guarantee to the satisfaction of NIT Jalandhar for the due performance of the said order.

We, _____ (*hereinafter called ‘the Bank’*) at the request of the supplier do, as a primary obliger and not merely as surety, hereby irrevocably, unconditionally and absolutely undertake against any loss or damage caused or suffered by NIT Jalandhar by reason of any failure of the supplier to perform or omission or negligence to perform any part of its obligations to the satisfaction of NIT Jalandhar in terms of the order.

We, the Bank do hereby undertake to pay the amount due and payable under this guarantee without any demur merely on a demand from NIT Jalandhar stating that the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by NIT Jalandhar by reason of any breach by the said supplier of any of the terms and conditions contained in a said order or any part thereof. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the bank under this guarantee, which shall not be considered as satisfied by any intermediate payment or satisfaction of any part of or obligation hereunder. However, our liability under this guarantee shall be restricted to an amount not exceeding _____.

We, the Bank, undertake to pay to NIT Jalandhar any amount so demanded by NIT Jalandhar, notwithstanding a). Any dispute and difference between NIT Jalandhar and supplier or any other person or between the supplier or any person or any suit or proceeding pending before any court or tribunal or arbitrator relating thereto or

- a). The invalidity, irregularity or unenforceability of the order or
- b). Any other circumstances which might otherwise constitute discharge of this guarantee, including any act of omission or commission on the part of NIT Jalandhar to enforce the obligations by the supplier or any other person for any reason whatsoever.

We, the Bank, further agree that the guarantee herein contained shall continue and remain in full force and effect during the period that would be taken for the performance of the said order and that it shall continue to be enforceable till all the dues of NIT Jalandhar under or by virtue of the said order have been fully paid and its claims satisfied or discharged or till the office of the Registrar, NIT Jalandhar confirms that the terms and conditions of the said order have been fully and promptly carried out by the said supplier and accordingly discharge this guarantee.

We, the Bank, hereby agree and undertake that any claim which the bank may have against the supplier shall be subject to and subordinate to the prior payment and performance in full of all the obligations of the bank hereunder and the bank will not, without prior written consent of NIT Jalandhar, exercise any legal rights or remedies of any kind in respect of any such payment or performance so long as the obligations of the bank hereunder remain owing and outstanding, regardless of the insolvency, liquidation or bankruptcy of the supplier or otherwise. We, the Bank, will not counter claim or set off against its liabilities to NIT Jalandhar hereunder any sum outstanding to the credit of NIT Jalandhar with it.

We, the Bank, further agree with NIT Jalandhar, that NIT Jalandhar shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said order or to extend time of performance by the said supplier from time to time or to postpone for any time or from time to time and of the powers exercisable by the NIT Jalandhar against the said supplier and forbear or enforce any of the terms and conditions relating to the order and we shall not be relieved from our liability by reason of any such variation or extension being granted to the said supplier or for any forbearance, act or omission on the part of NIT Jalandhar or any indulgence by NIT Jalandhar to the said supplier or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

This guarantee will not be discharged due to the change in constitution of the Bank or the supplier.

We, the Bank, lastly undertake not to revoke this Guarantee during its currency except with the prior consent of NIT Jalandhar in writing.

The disputes relating to this Bank Guarantee shall be resolved as per the terms and conditions of the order.



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Annexure “D”

FORMAT FOR MANUFACTURER’S AUTHORIZATION FORM

To,
The Registrar
Dr B. R Ambedkar National Institute of Technology
Jalandhar

Sub. : tender for “_____”.

Dear Sir,

We, _____, who are established and reputed manufacturers of _____, having factory/office at _____, hereby authorize M/s _____ [name & address of agents/distributors] to bid, negotiate and conclude the order with you for the above goods manufactured by us.

We shall remain responsible for the tender/Agreement negotiated by M/s _____, jointly and severally.

We hereby extend our full guarantee and warranty as per the terms and conditions of tender for the goods offered for supply against this invitation for bid by the above supplier.

****specify in detail manufacturer’s responsibilities the services to be rendered by***

M/s _____ are as under:

- i) _____
- ii) _____

[Specify the services to be rendered by the agent/distributor] In case duties of the agent/distributor are changed or agent/ distributor is changed it shall be obligatory on us to automatically transfer all the duties and obligations to the new Indian Agent failing which we will ipso-facto become liable for all acts of commission or omission on the part of new Indian Agent/ distributor.

Yours faithfully,

[Name & Signature] For and on behalf of M/s. _____ [Name of manufacturer]

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Annexure “E”

DECLARATION REGARDING BLACKLISTING / DEBARRING FOR TAKING PART IN TENDER

Self Attested

I / We _____ (Tenderer) hereby declare that the firm / agency namely M/s. _____ has not been blacklisted or debarred in the past by Union / State Government or organization from taking part in Government tenders in India.

Or

I / We _____ (Tenderer) hereby declare that the Firm / agency namely M/s. _____ was blacklisted or debarred by Union / State Government or any Organization from taking part in Government tenders for a period of _____ years w.e.f. _____ to _____. The period is over on _____ and now the firm/company is entitled to take part in Government tenders.

In case the above information found false I / we are fully aware that the tender/ contract will be rejected / cancelled by Director, NIT Jalandhar, and EMD / SD shall be forfeited.

DEPONENT

Attested:

(Stamp of Company with authorized sign)

Name _____

Address _____



CERTIFICATE OF WARRANTY

- i) I/We certify that the warranty shall be for a period of _____ years for _____ and starting from the date of satisfactory installation, commissioning and handing over of the Equipment /Item and of the works conducted therewith covered under the supply order in working order. During the **warranty period, I/we shall provide free “after sale service” and the replacement of any part(s) of the** Equipment /Item or rectification of defects of work of the Equipment /Item will be free of cost. The replacement of the parts shall be arranged by us, at our own cost and responsibility. We undertake that the above warranty shall begin only from the date of satisfactory and faultless functioning of the Equipment /Item for 60 days at NIT Jalandhar premises. The benefit of change in dates of the warranty period shall be in the interest of the use/your organization.
- ii). During the warranty period, we shall provide at least _____ **preventive maintenance visits.**
- iii). Uptime Guarantee: During the warranty period, we will be responsible to maintain the Equipment /Item in good working conditions for a period 350 days (i.e. 95% uptime) in a block of 365 days.
- a). All complaints will be attended by us within 2 working days of receipt of the complaint in our office.
- b). In case there is delay of more than 2 days in attending to a complaint from our side then you can count the number of days in excess of the permissible response time in the downtime. The above said response time of 2 days for attending to a complaint by us will not be counted in the downtime.
- c). **Penalty:** We shall pay a penalty equivalent to **0.5 % of the FOB/CIF** value of the Equipment /Item for every week or part thereof delay in rectifying the defect.
- Note: The right to accept the reason (s) for delay and consider reduction or wave off the penalty for the same shall be at the sole discretion of Director, NIT Jalandhar**
- iv). We certify that the Equipment /Item being/ quoted is the latest model and that spares for the Equipment /Item will be available for a period of at least _____ years and we also guarantee that we will keep the organization informed of any update of the Equipment /Item over a period of ____ years.
- v). We guarantee that in case we fail to carry out the maintenance within the stipulated period, NIT Jalandhar reserves the right to get the maintenance work carried out at our risk, cost and responsibility after informing us. All the expenses including excess payment for repairs/maintenance shall be adjusted against the Performance Bank Guarantee. In case the expenses exceed the amount of Performance Bank Guarantee, the same shall be recoverable from us with/without interest in accordance with the circumstances.
- vi). We shall try to repair the Equipment /Item at NIT Jalandhar premises itself. However, the Equipment /Item will be taken to our site on our own expenses in case it is not possible to repair the same at NIT Jalandhar. We shall take the entire responsibility for the safe custody and transportation of the Equipment /Item taken out for repairs till the Equipment /Item is rehabilitated to the NIT Jalandhar after repair Any loss of Equipment /Item or its accessories under its charge on account of theft, fire or any other reasons shall be at our sole risk and responsibility which will be compensated to NIT Jalandhar for such losses at the FOB/CIF value for the damaged/lost Equipment /Item part, including accessories.
- vii. We undertake to perform calibration after every major repair/breakdown/taking the Equipment /Item for repair out of NIT Jalandhar premises.
- viii. In case of extended warrantee, we undertake to carry out annual calibration of the Equipment /Item.
- ix. We guarantee that we will supply spare parts if and when required on agreed basis for an agreed price. The agreed basis could be an agreed discount on the published catalogue price.
- x. We guarantee to the effect that before going out of production of spare parts, we will give adequate advance notice to you so that you may undertake to procure the balance of the life time requirements of spare parts.
- xi. We guarantee the entire unit against defects of manufacture, workmanship and poor quality of components.

Signature & Seal of the Manufacturer/Tenderer



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Annexure-G

Refer to No. F.7/10/2021-PPD (1) Dated: 23/02/2023

Department of Expenditure

Ministry of Finance

Government of India

(TO BE FURNISHED ON BIDDER'S LETTER HEAD)

Date:

To

Sub: Acceptance of Terms & Conditions of Tender

Tender Reference No. _____

Name of Tender: _____

Dear Sir,

“I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I certify that this bidder is not from a country or, if from such a country, has been registered with the Competent Authority, I hereby certify that this bidder fulfills all requirement in this regard and is eligible to be considered. (Where applicable, evidence of valid registration by the Competent Authority shall be attached.)”

Yours faithfully,

(Signature & Name of the Authorized Signatory with Company Seal)