



INSTITUTE OF NANO SCIENCE AND TECHNOLOGY, MOHALI

(An autonomous Research Institute of Department of Science and Technology,

Government of India)

Knowledge City, Sector 81, Mohali – 140306, PUNJAB

Phone No: 0172 – 2297000

Website: www.inst.ac.in

F. No. INST/12(207)/2021-Pur

Date: 08.11.2021

To

NOTICE INVITING E-TENDER

Online tenders are invited on behalf of the Director, INST Mohali in TWO BID SYSTEM for the Supply and installation of “**Lab Furniture**” as per technical specification and details given below and BOQ list from the original manufacturer/supplier at CPPP i. e. <https://eprocure.gov.in/eprocure/app>. Tender documents may please be downloaded from the E-procurement portal website <https://eprocure.gov.in/eprocure/app> & Institute website www.inst.ac.in.

Sd/-

Chief Finance and Administrative Officer

NOTE: This is a domestic Tender according to the DPIIT Order dated 15/07/2017 and subsequent amendments to the order for Public Procurement Preference & PROVISION FOR LOCAL SUPPLIERS TOWARDS PREFERENCE TO MAKE IN INDIA. The bidder required to declare on the letter head the percentage of Local content for the quoted instrument and submit with the Technical Bid. Bidder should also give details of the location(s) at which the local value addition is made.



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INSTRUCTIONS

- The Quotation Should be addressed to the Director INST, Mohali.
- The Quantity mentioned in this inquiry shall be deemed to be only approximate and will not in any manner be binding on the Institute.
- Firms will quote separately for each article as per BOQ.
- The rates offered should be FOR Mohali in case of firms situated outside Chandigarh and free delivery at the Institute premises in case of local firms.
- GST: The Institute is not exempted from the payment of GST. The rate (i.e., percentage of taxes applicable should be clearly indicated, wherever chargeable.
- In case of Ex-godown terms the amount of packaging forwarding freight etc. should clearly be indicated by percentage or lump sum amount. Current rate of GST must be mentioned. The institute is exempted from Customs and Excise Duty.
- The delivery period should be specifically stated. Ex-Stock and earlier delivery may be preferred.
- The firms are requested to give detailed description and specifications together with the detailed drawings, printed leaflets and literature of the Article quoted.
- The name of the manufacturers and country of manufacture should also invariably be stated. In the absence of these particulars the quotation is liable for rejection.
- Quotation should have minimum validity of 120 days from the date of opening.
- The rates quoted should be for each item separately otherwise your quotation is liable to be ignored.
- Director has the right to reject to the quotations and to split up the requirements or change any or all the above conditions without assigning any reason.



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NOTICE INVITING TENDER

INST invites online tender from the reputed manufacturers or their authorized dealers so as to reach this office on or before scheduled date and time for the instrument, as per specifications given in the Annexure attached to the Tender form. All offers should be made in English and should be written in both figures and words. Tender forms can be downloaded from the website (www.inst.ac.in) of the Institute.

The bidders are requested to read the tender document carefully and ensure compliance with all specifications/instructions herein. Non-compliance with specifications/instructions in this document may disqualify the bidders from the tender exercise. The Director, INST reserves the right to select the item (in single or multiple units) or to reject any quotation wholly or partly without assigning any reason. Incomplete tenders, amendments and additions to tender after opening or late tenders are liable to be ignored and rejected.

EQUIPMENTS LIST

S. No.	Item Description	Qty	Tender Fee	EMD
1	Lab Furniture	2 no. Labs	Rs. 590/- (Non- refundable)	BID Security Declaration as per form attached

Critical Date Sections

Sr. No.	Description	Date	Time
1	Tender Publishing Date and time	8 th November, 2021	12:00PM
2	Tender Document download start Date & Time	8 th November, 2021	2:00PM
3	Bid Submission start Date & Time	8 th November, 2021	3:00PM
4	Bid Submission End date and Time	1 st December, 2021	2:00PM
5	Tender opening Date and Time	2 nd December, 2021	3:00PM

Note: Non-receipt of BID Security Declaration as per annexure-3 and Tender Fee will lead to rejection of tender.

Instructions to bidders for submission of Bids

1. The e-tenders are being invited for Supply and installation of “Lab Furniture” through e-procurement. All the instructions of e-procurement is applicable. Tender must be submitted through e-procurement website only. The bid received in physical mode shall not be considered at all. Detailed information regarding the items, application / tender



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forms, EMD details, specifications, terms and conditions can be downloaded from the following websites www.inst.ac.in or <https://eprocure.gov.in/eprocure/app>

- II. The interested bidders shall submit their tender(s) both Technical bid and financial bid through online mode in <https://eprocure.gov.in/eprocure/app>. The bidders shall upload all the documents as per NIT for Bidders.
- III. Any corrigendum to this tender will be notified through the aforesaid websites only. INST reserves the right to accept or reject any or all the bids without assigning any reason at any stage.
- IV. The Bidder is expected to examine all instructions, eligibility criteria/pre-qualification criteria, forms, terms and conditions in the tender document. Failure to furnish complete information as required with reference to the tender document shall result in rejection of the bid.
- V. Bidders have to submit a valid EMD declaration (Annexure) in the Technical bid in place of EMD. Bids received without EMD declaration will not be considered and summarily rejected.
- VI. Any attempt to negotiate directly or indirectly on the part of the Bidder with authority competent to finally accept the Tender or influence the acceptance of the tender by any means will result his tender excluded from consideration.
- VII. Conditional tender, illegible and ambiguous tender, partially filled tender, incomplete tender and tender without enclosing required documents will be summarily rejected.
- VIII. This office reserves the right to accept or reject any bid without assigning any reason at any time prior to award of contract, without thereby incurring any liability to the affected bidder or bidders or any obligations to inform the affected bidder or bidders of the grounds for this Office's action.
- IX. Tenderers are requested that, before quoting their rates or filling tender, the tender form may please be read out thoroughly (line by line), otherwise the Competent Authority of this office will not be held responsible for any error/oversight of his own.
- X. Clarification regarding any ambiguity in eligibility criteria may be sought through e-mail at purchase@inst.ac.in
- XI. Concessional GST is applicable for all the items purchased for Research labs vide Ministry of Finance, notification no. 45/22017 dated 14.11.2017 and 47/2017 dated 14.11.2017.
- XII. Bidder/s quoting in currency other than Indian Rupee (INR) should explicitly mention the currency in which tender quoted wherever applicable in Technical Bid along the tender documents.
- XIII. The online Price BOQ is in INR format. If bidder want to quote other than INR please specify the quoted currency in the technical bid/part and fill the amount in same BOQ.
- XIV. Please bifurcate the price on shipping terms i, e, Ex-works -> FCA/FOB -> CIP/CIF in price BOQ and specify the same in technical bid without price.



- XV. THE INSTITUTE IS EXEMPTED FROM EXCISE AND CUSTOM DUTY under notification no- TU/V/RG-CDE (119 4)/2018 DT.07/09/2018.

TERMS AND CONDITIONS

Important Conditions of the tender to be abide by the tenderer

1. **Due date:** The tender has to be submitted before the due date. The offers received after the due date and time will not be considered.
2. **Opening of the tender:** The offer/bid will be opened by a committee duly constituted for this purpose.
3. **Acceptance/Rejection of bids:** The INST reserves the right to reject any or all offers without assigning any reason.
4. **Tender Fee/EMD:** Tender fee/EMD is to be obtained from the bidders except those who are registered with the Central Purchase Organisation, National Small Industries Corporation (NSIC) or the concerned Ministry or Department. The tenderer should submit Tender Fee/EMD amount as per tender ref. no. through NEFT/RTGS in INST Account. Account Details are as follows:
 - a. Name of Beneficiary: Institute of Nano Science and Technology (INST)
 - b. Account No. **2452201001102**
 - c. Name of Bank: **Canara Bank, Sector 34, Chandigarh**
 - d. IFS Code: **CNRB0002452**
 - e. MICR Code: **160015003**
 - f. Swift Code: **CNRBINBBFFC**

The details of transaction for EMD/tender fee viz. Name of bidder firm, Tender Description, Transaction ID/No. of Transfer, Transaction date, Amount of Transaction, Name of Bank, Address of Bank shall be furnished by the tenderer on their letterhead separately along with their tender.

5. **Performance Security:** The supplier shall be required to submit the performance security in the form of irrevocable bank guarantee issued by any Indian Nationalized Bank for an amount which is equal to the 3% of Purchase value at the time of the installation of the equipment covering warranty period of the equipment and should be kept valid for a period of 60 days beyond the date of completion of warranty period.
6. **REASONABILITY OF PRICES :**

Please quote best minimum prices applicable for a premier Research Institution, **leaving no scope for any further negotiations on prices.** The quoting party should give a certificate to the effect that the quoted prices are the minimum and they have not quoted the same item on lesser rates than those being offered to INST to any other customer nor they will do so till the validity of offer or execution of the purchase order, whichever is later. We request you to fill the price reasonability certificate format in the enclosed file (Annexure "1")

The party must give details of identical or similar equipment, if any, supplied to any CSIR labs/DBT Institutes during last three years along with the final price paid and Performance certificate from them.
7. **Force Majeure:** The Supplier shall not be liable for forfeiture of its performance security, liquidated damages or termination for default, if and to the extent that, it's delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.
 - For purposes of this Clause, "Force Majeure" means an event beyond the control of the Supplier and not involving the Supplier's fault or negligence and not foreseeable.



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Such events may include, but are not limited to, acts of the Purchaser either in its sovereign or contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.

- If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such conditions and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.
8. **Risk Purchase Clause:** In event of failure of supply of the item/equipment within the stipulated delivery schedule, the purchaser has all the right to purchase the item/equipment from the other source on the total risk of the supplier under risk purchase clause.
 9. **Packing Instructions:** Each package will be marked on three sides with proper paint/indelible ink, the following:
 - i. Item Nomenclature
 - ii. Order/Contract No.
 - iii. Country of Origin of Goods
 - iv. Supplier's Name and Address
 - v. Consignee details
 - vi. Packing list reference number
 - vii.
 10. **Delivery of Goods:**

Delivery should be given at **Institute of Nano Science and Technology, Knowledge City, Sector 81, Adjacent to IISER, Mohali - 140306, Punjab** within a maximum of one month's time from the date of placement of purchase order.
 11. **Delayed delivery:** If the delivery is not made within the due date for any reason, INST will have the right to impose penalty @ 0.5% per week and the maximum deduction is 10% of the contract value / price.
 12. **Prices:** The price should be quoted in net per unit (after breakup) and must include all packing and delivery charges. The offer/bid should be exclusive of taxes and duties, which will be paid by the purchaser as applicable. However the percentage of taxes & duties shall be clearly indicated. The price should be quoted without custom duty and excise duty, since INST is exempted from payment of Excise Duty and is eligible for concessional rate of custom duty. Necessary certificate will be issued on demand. **(Please refer Annexure – 2 for the price to be quoted).**
 13. **Notices:** For the purpose of all notices, the following shall be the address of the Purchaser and Supplier.
 - i. **Purchaser:** The Director,
Institute of Nano Science and Technology,
Knowledge City, Sector 81, Adjacent to IISER, Mohali – 140306, Punjab
 - ii. **Supplier:** (To be filled in by the supplier)
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.....
.....
 14. **Resolution of Disputes:** The dispute resolution mechanism to be applied pursuant shall be as follows:
 - i. In case of Dispute or difference arising between the Purchaser and the supplier relating to any matter arising out of or connected with this contract, such disputes or difference shall be settled in accordance with the Indian Arbitration & Conciliation Act, 1996, the rules there under and any statutory modifications or re-enactments thereof shall apply to the arbitration proceedings.



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The dispute shall be referred to the Director, Institute of Nano Science and Technology (INST) Mohali and if he is unable or unwilling to act, to some other person appointed by him willing to act as such Arbitrator. The award of the arbitrator so appointed shall be final, conclusive and binding on all parties to this order.

15. **Applicable Law:** The place of jurisdiction would be Mohali (Punjab) INDIA.

16. **Right to Use Defective Goods**

If after delivery, acceptance and installation and within the guarantee and warranty period, the operation or use of the goods proves to be unsatisfactory, the Purchaser shall have the right to continue to operate or use such goods until rectifications of defects, errors or omissions by repair or by partial or complete replacement is made without interfering with the Purchaser's operation.

17. **Training**

The Supplier is required to train the designated Purchaser's technical and end user personnel to enable them to effectively operate the total equipment.

18. **Installation & Demonstration**

The supplier is required to do the installation and demonstration of the equipment within one month of the arrival of materials at the INST site of installation, otherwise the penalty clause will be the same as per the supply of materials.

19. **Warranty:** Minimum Three Years Warranty shall have to be provided by the firm. The Warranty should be comprehensive on site.

Note: If the OEM warranty is for 12 Months, additional extended warranty of 24 months should be quoted separately with or without price.

20. **Taxes and Duties**

Suppliers shall be entirely responsible for all taxes, duties, license fees, octroi, road permits, etc., incurred until delivery of the contracted Goods to the Purchaser. However, GST in respect of the transaction between the Purchaser and the Supplier shall be payable extra, if so stipulated in the order.

21. **Payment:** 100% payment shall be made by the Purchaser after delivery, inspection, successful installation, commissioning and acceptance of the equipment at INST in good condition and to the entire satisfaction of the Purchaser and on production of unconditional performance bank guarantee as specified in Clause 8 of tender terms and conditions.

22. **User list:** Brochure detailing technical specifications and performance, list of industrial and educational establishments where the items enquired have been supplied must be provided.

23. **Manuals and Drawings**

- Before the goods and equipments are taken over by the Purchaser, the Supplier shall supply operation and maintenance manuals. These shall be in such details as will enable the Purchaser to operate, maintain, adjust and repair all parts of the works as stated in the specifications.
- The Manuals shall be in the ruling language (English) in such form and numbers as stated in the contract.
- Unless and otherwise agreed, the goods equipment shall not be considered to be completed for the purposes of taking over until such manuals and drawing have been supplied to the Purchaser.

24. **Site Preparation:** The supplier shall inform to the Institute about the site preparation, if any, needed for the installation of equipment, immediately after the receipt of the purchase order. The supplier must provide complete details regarding space and all the other infrastructural requirements needed for the equipment, which the Institute should arrange before the arrival of the equipment to ensure its timely installation and smooth operation thereafter.



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The supplier shall visit the Institute and see the site where the equipment is to be installed and may offer his advice and render assistance to the Institute in the preparation of the site and other pre-installation requirements.

25. **Acknowledgement:** It is hereby acknowledged that we have gone through all the conditions mentioned above and we agree to abide by them.

SIGNATURE OF TENDERER

ALONG WITH SEAL OF THE COMPANY WITH DATE



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BID PARTICULARS

1. Name of the Supplier :
2. Address of the Supplier :
3. Availability of demonstration of equipment : Yes / No
4. Tender cost enclosed: : Yes/No if yes
5. Online EMD submission information enclosed : Yes / No if Yes

Transaction ID/No. of Transfer_____

Transaction date: _____

Amount of Transaction_____

Name of Bank_____

Address of Bank_____

6. Name and address of the Officer/contact person to whom all references shall be made regarding this tender enquiry

Name:

Address:

Ph:

Fax:

Mobile:

Email:

Web:



Compliance statement for the tender specifications

Tender Ref No.: **INST/12(207)/2021-Pur**

S.No.	Check list of documents/Undertakings	Yes/No	Remarks (give explanation if the answer is No)
1.	Is EMD details attached/Bid Security declaration as per annexure-3? (if applicable)		
2.	Is the bidder original equipment manufacturer (OEM)/authorised dealer?		
3.	If authorised dealer, recent dated certificate to this effect from OEM, attached or not?		
4.	Undertaking from OEM regarding technical support & extended warranty period		
5.	Validity of 120 days or not?		
6.	Price Reasonability Certificate enclosed as per format??		
7.	Undertaking from bidder regarding acceptance of tender terms & conditions		
8.	Whether list of reputed users (along with telephone numbers of contact persons) for the past three years specific to the instrument attached?		
9.	Does the instrument comply with all the specifications detailed? Attach a separate sheet showing compliance with the specifications and explanations thereto if the equipment varies from the requested specifications.		
10.	Whether free Installation, Commissioning and Application Training offered?		
11.	Whether comprehensive onsite warranty offered?		
12.	Whether Annual maintenance after expiry of comprehensive onsite warranty quoted separately?		
13.	Whether free of cost shifting of instrument from transit campus to main campus offered?		



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Annexure – 1

PRICE REASONABILITY CERTIFICATE

This is to certify that we have offered the maximum possible discount to you in our Quotation No. _____ dated _____ .

We would like to certify that the quoted price are the minimum and we have not quoted the same item on lesser rates than those being offered to INST to any other customer nor we will do so till the validity of offer or execution of purchase order, whichever is later.

Seal and Signature of the tenderer



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Annexure 2

Local Content Certificate (To be submitted in Technical bid envelop)

This is to certify that the %age of Local content for the quoted tendered item is_____.

Seal and signature of the tenderer

Note:

1. As per revised Public Procurement order 2017 D.O. No. P – 45021/2/2017-PP(BE-II) dated June 4, 2020 Local content means Amount of value added in India which shall be total value of the item procured (excluding net domestic indirect taxes) minus the value of imported content in the item(including all customs duties)as a proportion of the total value, in percent.



Annexure - 3

BID SECURITY DECLARATION (On Company Letter Head)

To
The Director,
INST Mohali

We, the undersigned, declare that:

We understand that, according to your conditions, bids must be supported by a Bid-Securing Declaration.

We accept that we will automatically be suspended from being eligible for bidding in any contract with the INST for the period of time of **3 years**, if we are in breach of our obligation(s) under the bid conditions, because we:

- (a) have withdrawn our Bid during the period of bid validity specified in the Letter of Bid; or
- (b) having been notified of the acceptance of our Bid by the INST during the period of bid validity, (i) fail or refuse to execute the Contract, if required, or (ii) fail or refuse to furnish the Performance Security, in accordance with tender terms and condition.

We understand this Bid-Securing Declaration shall expire if we are not the successful Bidder, upon the earlier of (i) our receipt of your notification to us of the name of the successful Bidder; or (ii) twenty-eight days after the expiration of our Bid.

For: Name of Company

Authorised Signatory

[Note: In case of a Joint Venture, the Bid-Securing Declaration must be in the name of all partners to the Joint Venture that submits the bid.]



QUALIFICATION REQUIREMENTS

- 1 The Bidder should be a manufacturer or their dealer specifically authorised by the manufacturer to quote on their behalf for this tender as per manufacturer authorisation form, if any, who must have designed, manufactured, tested and supplied the Lab Furniture similar to the type specified in the “Technical Specification”.
- 2 A list of 10 installations in India (Particularly Govt of India R&D organisations), provide the name-wise list of Institute/Laboratory with date and value of supply.
- 3 The bidder should have supplied at least one similar (wet lab furniture) supplies to an extent of Rs. 20 Lakh or more value or two works of Rs 15 Lakh each for similar (wet lab furniture) supplies or three work of Rs 10 Lakh each for similar (wet lab furniture) supplies to any public funded R&D Institution/organisation such as Central Govt./PSUs/Autonomous bodies/National R&D laboratories/Academic Institutes of higher learning/education (like doctoral & postdoctoral) conducting wet lab research in the past five years. The details should be incorporated in the performance statement form along with documentary evidences.
- 4 If required, the bidder may be asked and should be willing to arrange demonstration of the Lab Furniture offered, free of charge at on a mutually agreeable place and date prior to opening of priced bids to ascertain their conformity with tendered specifications.
- 5 Details of service support facilities that would be provided after the warranty period should be submitted in the Service Support Details Form.
- 6 Adequate and specialized expertise should be available following the execution of the contract to ensure that the support services are responsive and on call.
- 7 The Bidder will assume total responsibility for maintenance during the warranty period and provide necessary maintenance services for five years after end of warranty period if required.
- 8 Bidders who meet the criteria given above are subject to be disqualified, if they have made untrue or false representation in the forms, statements and attachments submitted in proof of the qualification requirements or have a record of poor performance, not properly completing the contract, inordinate delays in completion or financial failure, etc.
- 9 The manufacturing firm should be ISO/ ASHRAE 110-2016/EN 14175 certificate /SEFA Certified.
- 10 Submission of Tender fee of Rs. 590/- and Bid Security Declaration as per annexure attached. If not submitted alongwith technical bid the incomplete bids may be cancelled.



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LABORATORY FURNITURE & ACCESORIES

- ❖ The entire laboratory furniture should be tested as per SEFA standards.
- ❖ The laboratory furniture should be modular construction & design made of mainly Skin Passed / Zero Spangle G.I. (Galvanized Iron) duly coated with at least 50-60 micron Epoxy Powder coated in panel form and in CKD (Completely Knocked Down) construction so it can be erected at site as per attached layout. The design should have provision for reconfiguration for change in layout using simple tooling and should provide independent access to the utilities installed, electrical panel & instrumentation panel.
- ❖ All GI sheet components (TATA Steel / SAIL / Jindal Make) should be fabricated by precision shearing, levelling, notching, piercing, machines to achieve consolidated dimensions within close tolerances under the strict quality checks and assembled with the aid of fixtures. Exposed welding marks should be polished smooth to improve aesthetic. Corner intersections of vertical and horizontal members should in the same plane with bolted joints and should be suitably aligned.



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SCOPE OF VENDOR AND PURCHASER

FOLLOWING SCOPE SHALL BE UNDER VENDOR'S SCOPE

- The scope of work includes Design, Supply, Installation & Commissioning of Laboratory Furniture, Fume Hood, electrical accessories and GDS.
- The scope includes supply & installation of under bench cabinets including worktop, raceway, sink, water tap, peg board, eyewash, Leg Space, Cable Manager, Filler Panels, Close Panels, etc, complete in all respect, which are completely parts of Laboratory furniture
- The scope also includes internal wiring of Electrical Switch & Sockets located at the triangular raceway provided above the worktop of Laboratory Furniture and the same should be connected to the DB nearest to the position of the item.
- Vendor should quote the price basis up to FOR door delivery of INST, Mohali inclusive of Packing Charges, Loading Charges, Freight Charges, Unloading & Internal Shifting Charges, Installation Charges and Commissioning Charges up-to the installation area
- Removal of all the debris and dirt accumulated during the installation of Laboratory Furniture, Fume Hood etc.

FOLLOWING SCOPE SHALL BE UNDER PURCHASER'S SCOPE

- Provision of safe storage area for Fume Hood, Lab Furniture, Ducting etc.
- Clear passage to bring Fume Hood fully assembled in the Lab:(Ideal 1000 mm/40 inch min.)
- Clear false ceiling height: (for fume hood Ideal 2800 mm/110 inch min.)
- Clear ceiling height: (for ducting Ideal 3000 mm/118 inch min.)
- Provision of Electrical supply to the respective Wall Table, Island Table, Fume Hood.
- Provision for Electrical points - 230 V, 50 Hz, single phase AC with necessary ELCB, near the junction box at top of the hood shall be under purchaser's scope



VENDORS / BIDDERS ELIGIBILITY CRITERIA

Vendors / Bidders of appropriate class of those who have carried out similar work in Govt., Semi Govt. Institutes/PSUs who are eligible as per the minimum requirements defined below:

1. **COMPANY PROFILE:** The vendors/ bidders should be registered as per the Company norms in India having a place of business in India. Clear supportive documents in this regard should be uploaded. Vendor / Bidder must upload the scanned copy of PAN Card , Trade Licence (If applicable) , Incorporation Certificate , Factory Licence , Income Tax Return of the last 3 (Three) Financial Years. GST Registration Certificate and Certificate of Registration with EPF and ESI.

2. This being a prestigious Project, we invite the Vendors / Bidders who should be registered in India and manufacturing plant should be 100% subsidiary in India of parent Company if any.

3. **INFRASTRUCTURE :** The Vendor / Bidder or its parent company should have a well – established (their own) in – house manufacturing unit for the steel Laboratory Furniture and Fume Hoods, quality management system as per International Standards providing the products and services on the continuous basis at least for the last 10 years.

The Vendors/ Bidders or its parent company should possess the current / valid approval for such items manufacturing facility by a statutory certifying authority, like Factory Inspector etc.

4. The Vendors / Bidders should have some permanent establishment at North India and proof of the existing authorized representative / agent at Chandigarh / Mohali with documentary evidence.

5. **CERTIFICATIONS :** OEMs (Vendors/Bidders) should have valid i) ISO – 9001: 2015 ; ISO – 14001:2015 ; OHSAS 18001:2007 certification / certified company; ii) should submit third party Test certificate of “BIFMA HCF 8.1” by approved agency ; IGBC CERTIFICATE in technical bid and iii) should also have valid SEFA Membership for minimum 9 (Nine) consecutive years and valid ASHRAE Membership certificate for Fume Hoods.

6. **WORK EXPERIENCE:** The Vendors / Bidders should have work experience as per following parameters. Supportive documents like copy of P.O., completion certificate etc. should be uploaded in this regard.

a) One similar completed work costing not less than Rs. 20 Lakh or two similar completed work costing not less than Rs. 15 Lakh each or three similar completed work costing not less than 10 Lakh each in last 5 (Five) years for Centrally Funded Technical Institutes (CFTI) which includes IITs , IISERs, IIMs, NITs, IIITs, NITTTRs, IISc, IEST, CSIR Institutes , Central Universities and /or DAE Institutes (NISER , TIFR) and alike where they have completed the similar works including Fume Hoods , Laboratory Furniture and related accessories in air- conditioned Laboratories.

7. **FINANCIAL TURNOVER :** Vendors / Bidders should have had an average annual financial turnover of Rs. 5 Crores (Five Crores) in last 3 (three) years i.e. 2018 -19 ; 2019 – 20; 2020-21



ending 31st March ,2021 .The Group turnover of any other business other than Fume Hoods, Exhaust Systems , Gas distribution Systems (GDS), Electrical work and Laboratory Furniture cannot be included. Latest audited financial statement with CA certificate to this effect may be submitted.

8. Vendor / Bidder should submit valid certificate of SEFA 8 and SEFA 10. Vendors / Bidders should submit third party Test Certificate of SEFA 8M (2016) by SEFA as well as SEFA 10 – 2016 by SEFA approved Laboratory for Laboratory Furniture and third party certificates of ASHRAE 110-2016 for Laboratory Fume Hoods. Detailed documentary evidence for the same must be included in the technical bid.

9. Vendors/ Bidders should have in – house test facility for SEFA 8M and ASHRAE 110 in their own factory. Documentary evidence of the same should be submitted in the technical bid.

The product shall be tested in the Manufacturer’s own test facility for it’s evaluation as per ASHRAE 110-2016/EN 14175 certificate.

10. **SOLVENCY CERTIFICATE:** Considering the size of the Project , the Vendors / Bidders should have solvency of minimum of Rs. 25 Lakhs . The Vendor / Bidder shall produce the Solvency certificate for Rs. 25 Lakh from the Nationalized / Scheduled Bank not older than three months from the last date of submission of tender.

11. The Vendors / Bidders should not have incurred any loss during the last 3 (three) years as of 31st March, 2021. Profit after Tax should be positive for the above mentioned period.

12. **SERVICE :** The vendor/Bidder is required to furnish the list of in – house SERVICE TEAM who would have executed at least 2 (two) AMC of sizeable value.

The Vender / Bidder must furnish an undertaking that they will attend physically a service call or any emergency call within 24 hours.

The vendors / Bidders shall be selected on the basis of the above mentioned eligibility criteria provided in the technical bid. Price bids of the successful vendors / bidders who have qualified in the Technical bid, will only be opened.

Besides the above Vendors / Bidders eligibility criteria, there should be following activities:

- i) Sample / Mock up of Laboratory Furniture & Fume Hood
- ii) Factory visit to Technically selected vendors before opening of Price Bid.
- iii) Visit to a place of Installation.

Any other items (BOQ) which have not mentioned above in the tender for the proper functioning of Lab furniture (which includes Cables, Electrical Items, other consumable items, civil work etc.) should be quoted separately.



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Website: www.inst.ac.in

Specifications for one lab (Furniture required for two labs):

ISLAND Bench (IB - C) Size: L 4305 mm x W 1500 mm x H 900 mm	1.00	Nos.
- C-Frame Structure in 60 x 30 x 2 mm thk hollow pipe construction	4.31	Rmt.
- Work top in 18 ± 1 mm thick Black Granite construction	6.46	Sqm.
- 500 mm wide storage module with one drawer one shutters	2.00	Nos.
- 750 mm wide storage module with one drawer two shutters	10.00	Nos.
- Double sided triple tier reagent rack with electrical raceway	4.31	Rmt.
- 6/16 Amp electrical sockets and 16 Amp one way switch	16.00	Nos.
- Filler Panel in G.I. Construction	2.00	Nos.
Wall Bench (WB - H) Size: L 1825 mm x W 750 mm x H 900 mm	1.00	Nos.
- C-Frame Structure in 60 x 30 x 2 mm thk hollow pipe construction	1.83	Rmt.
- Work top in 18 ± 1 mm thick Black Granite construction	1.37	Sqm.
- 900 mm wide storage module with two shutters	2.00	Nos.
- Single piece molded PP sink (L 600 x W 450 x D 315)	1.00	Nos.
- Worktop mounted one way water tap with swan neck spout	1.00	Nos.
- Peg Board in Phenolic resin construction with 20 Nos. PP Pegs	1.00	Nos.
- Worktop mounted, hand held type, double outlet eye wash with SS braided flexible hose	1.00	Nos.
- Filler Panel in G.I. Construction	2.00	Nos.

Wall Bench (WB - F) Size: L 1200 mm x W 750 mm x H 750 mm	2.00	Nos.
- C-Frame Structure in 60 x 30 x 2 mm thk hollow pipe construction	1.20	Rmt.
- Work top in 18 ± 1 mm thick BWP Construction with lamination	0.90	Sqm.
- 600 mm wide storage module with two drawer	1.00	Nos.
- Leg space and Cable Manager	1.00	Nos.
- Worktop mounted electrical raceway in GI powder coated construction	1.20	Rmt.
- 6/16 Amp electrical sockets and 16 Amp one way switch	2.00	Nos.
- Data Socket	1.00	Nos.
- Filler Panel in G.I. Construction	2.00	Nos.
Over Head Storage Cabinet Size: L 570mm x W 350 mm x H 600 mm	2.00	Nos.
- Wall mounted cabinets in G.I. construction with epoxy powder coated		
one no. adjustable self with double skin Glass doors and Locks		



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H Frame Moveable table Size: L 1271 mm x W 1067 mm x H 750 mm	6.00	Nos.
- H-Frame Structure in 60 x 30 x 2 mm thk hollow pipe construction with castor wheel	1.27	Rmt.
- Work top in 18 ± 1 mm thick Black Granite construction	1.36	Sqm.
Electrical Raceway	1.00	Lot
- Worktop mounted electrical raceway in GI powder coated construction	7.32	Rmt.
- 6/16 Amp electrical sockets and 16 Amp one way switch	12.00	Nos.
- Data Socket	6.00	Nos.
- 240 V 32 Amp Industrial Socket with Plug top and MCB single phase	2.00	Nos.
- 440 V 32 Amp Industrial Socket with Plug top and MCB three phase	2.00	Nos.

Wall Bench (WB - G) Size: L 1500 mm x W 750 mm x H 900 mm	1.00	Nos.
- C-Frame Structure in 60 x 30 x 2 mm thk hollow pipe construction	1.50	Rmt.
- Work top in 18 ± 1 mm thick Black Granite construction	1.13	Sqm.
- 750 mm wide storage module with one drawer two shutter	2.00	Nos.
- Worktop mounted electrical raceway in GI powder coated construction	1.50	Rmt.
- 6/16 Amp electrical sockets and 16 Amp one way switch	2.00	Nos.
- Data Socket	1.00	Nos.
- 32 Amp Industrial Socket with Plug top and MCB	1.00	Nos.
- Filler Panel in G.I. Construction	2.00	Nos.
Over Head Storage Cabinet Size: L 710mm x W 350 mm x H 600 mm	2.00	Nos.
- Wall mounted cabinets in G.I. construction with epoxy powder coated		
one no. adjustable self with double skin Glass doors and Locks		

Wall Bench (WB - H) Size: L 1825 mm x W 750 mm x H 900 mm	1.00	Nos.
- C-Frame Structure in 60 x 30 x 2 mm thk hollow pipe construction	1.83	Rmt.
- Work top in 18 ± 1 mm thick Black Granite construction	1.37	Sqm.
- 900 mm wide storage module with two shutters	2.00	Nos.
- Single piece molded PP sink (L 600 x W 450 x D 315)	1.00	Nos.
- Worktop mounted one way water tap with swan neck spout	1.00	Nos.



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- Peg Board in Phenolic resin construction with 20 Nos. PP Pegs	1.00	Nos.
- Worktop mounted, hand held type, double outlet eye wash with SS braided flexible hose	1.00	Nos.
- Filler Panel in G.I. Construction	2.00	Nos.

Raw water Valve fitting	1.00	lot
- One way Raw water Valve	1.00	Nos.
- Service Pendant	1.00	Nos.

Electrical Raceway	1.00	Lot
- Worktop mounted electrical raceway in GI powder coated construction	7.32	Rmt.
- 6/16 Amp electrical sockets and 16 Amp one way switch	12.00	Nos.
	0	
- Data Socket	6.00	Nos.
- 240 V 32 Amp Industrial Socket with Plug top and MCB single phase	2.00	Nos.
- 440 V 32 Amp Industrial Socket with Plug top and MCB three phase	2.00	Nos.

Low Constant Volume (Type A) Bench Fume Hood with Vacuum and Flame proof cabinet (Size: L 1800 x D 915 x H 2300 mm) (For AC Lab)	1.00	Nos.
Consisting of following : (As specified in Annexure)		
Fume Hood Superstructure		
Fume Hood Worktop		
Service Valves		
Electrical Fittings		
Controls		
Fume Hood Understructure		
Fume Hood Under-Cabinet		
Accessories		
Exhaust Fan (315 mm Dia) - one fan for 1 Nos. Fume Hood	1.00	Nos.
- Single piece molded UV treated chemical resistant SISW direct driven centrifugal fan in PP construction with suitable stand in		



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MS powder coated construction, CFM 600 to 700
- Corrosive resistant PP Impeller with extra strength, high efficiency,
properties which produces lower noise and power consumption.
- Drive - 1.5 HP, 2840 RPM, 415V, 50Hz., TEFC Class B insulation
induction motor with IP55 enclosure, in Non- FLP const.
- 16A, 3Ph MCB for Fan - Legrand or eq. Make
- DOL Starter for Motor.

Annexure (6 Foot)		
Technical Specification of Fume Hood with Vacuum and cabinets for storing Flammables		
Type of Hood:	Low Const. Volume type Bench Fume Hood	
Overall Dimension:	Width 1800 x Depth 915 x Height 2300mm	
Inner Dimension:	Width 1600 x Depth 645 x Height 1200mm	
1	Fume Hood Superstructure as per the drawing provided consisting of Structure frame in 2.0 mm thick GI construction Inner lining, rear baffles and top baffles in 6 mm thick. Phenolic resin construction - Outer panels in 1.2 mm thick GI construction. Aerodynamic Shape front posts, in GI construction - Flip-on type Airfoil in 1.6 mm thick SS construction Streamlined shaped exhaust duct collar in PP const. Combination type, frameless design sash in toughened glass const. with full length sash handle in anodized Al const. Sash movement mechanism with counter weight. Twin LED tube type light with fittings Working height to inner ceiling of the fume hood should be 1250 mm (See details in Fume hood annexure)	1
2	Fume Hood Worktop In telephone black natural granite construction, having raised rails on all four sides, with 1 No. oval shaped cup sink, in PP const., on left rear side.	1
3	Service Valves Having body in forged brass const., extended spindle in Aluminum construction, color coded knobs in plastic const. angular shaped serrated nozzles, in epoxy coated forged brass const. 1.5mt. long flexible tubing with end fittings for following services: Services Tube Construction Compressed Air - PU-4 Vacuum - SS braided Teflon Hose Nitrogen - PU-4 Potable Water - Nylon braided PVC Hose	1 1 1 1



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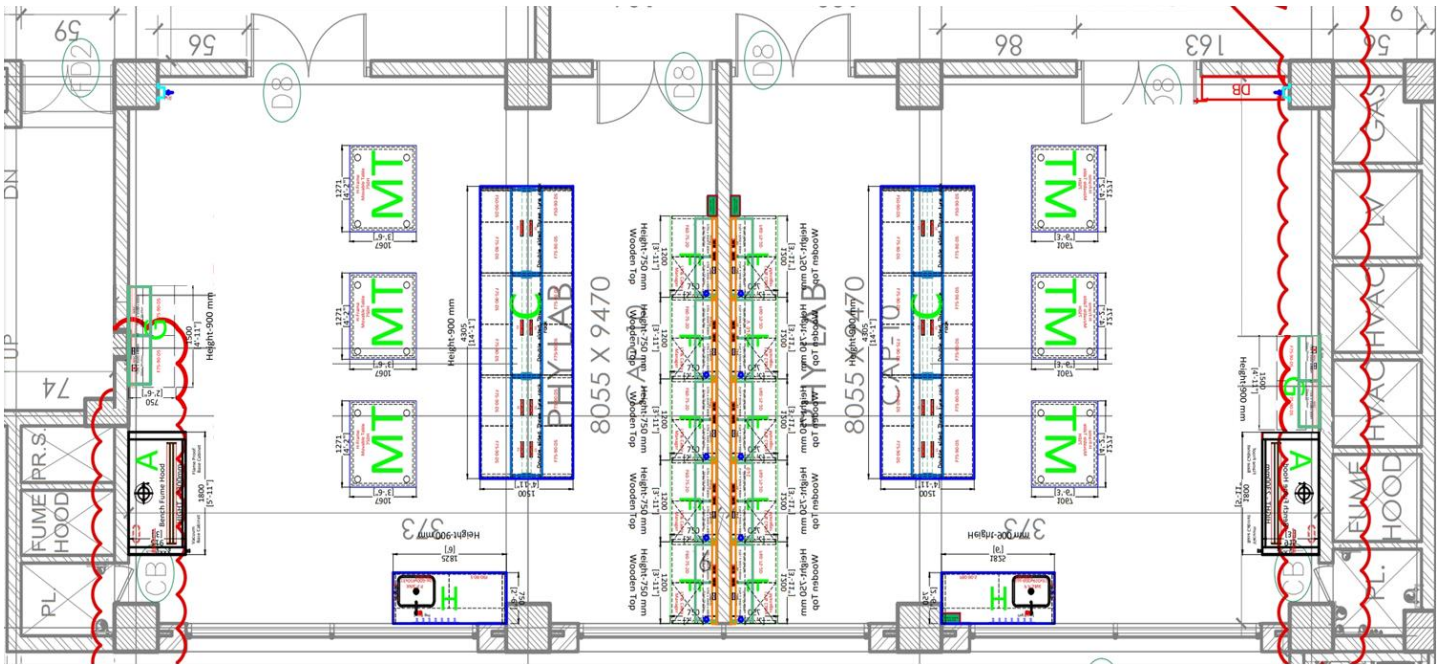
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4	Electrical Services with internal wiring (all in non-FLP const.) - Controller for Blower & light (Touch Pad) - 16A, 2 Pole MCB - Legrand or eq. Make - 5/15A 3-pin Socket with switch/ MCB - Legrand or eq. Make	1 1 4
5	Controls Air velocity Monitor with low air alarm, Model AFA/1000 TEL - UK Make or Equivalent	1
6	Fume Hood Understructure Fabricated out of heavy gauge rectangular shape hollow pipes in MS construction, duly finished with corrosion resistant specialty coatings.	1
7	Fume Hood Under-Cabinet Detachable design general purpose cabinets fabricated out of GI sheet, consisting of, - Special arrangement for air ventilation inside the cabinet - Twin doors in double wall const. - Flushed type recessed handle. - Heavy duty knuckle-barrler special design door hinges. - 1 No. adjustable shelf. - Recessed base frame in heavy duty GI const. - FRP Lining inside the chemical storage cabinet - PP Tray for chemical storage - Twin castors for easy removal of the cabinet. - Sliding Tray for Mounting vaccum pump in one cabinet only SAFETYBOX FOR FLAMMABLES SAFETYBOX AC900/50 CM dim. mm 900 x 510 x 600/620 h CERTIFIED BY TUV, FIRE RESISTANCE TYPE 90 - 90 MIN IN COMPLIANCE WITH EN 14470-1, EN 16121, EN 16122 FOR THE STORAGE OF 25 LITERS OF LIQUID AND SOLID FLAMMABLEPRODUCTS Underbench cabinet 2 doors and bottom basin with drilled sheet, automatic door's closing system	1
1		
8	Accessories	1
a	300 mm dia. Duct damper in PP const. complete with pre drilled flanges on both sides, manual operation handle and extended spindle, suitable for motorized drive.	1
b	Scaffold Grill (1630 x 750mm) in Vertical rod design, fabricated out of 12.0 mm dia., Epoxy rods, having 150mm pitch between two rods.	1 set
c	Ceiling Enclosure Panels in GI const; duly powder coated	

Commercial Offer for PP / FRP Ducting (Round Shape)		
A	Supply & Installation of exhaust ducting in PP/ FRP (Round Shape) construction (3mm + 2mm) complete with necessary bends, reducers, T-connections, supports, flanges, gaskets, nutbolts etc.	1 Sq. Mtr
Note:	- Amount for ducting work shall be payable as per actual measurement	

Lab Layout



Description

- 1- A – Fume hood – A x 1 unit
- 2- H – Sink Table – H x 1 unit
- 3- Island Table - C x 1 unit
- 4- F – Sitting Table - F x 5 unit
- 5- MT – Movable table - MT x 3 unit
- 6- G – Wall bench - G x 1 unit