



INDIAN INSTITUTE OF TECHNOLOGY MADRAS
Chennai 600 036



Telephone: [044] 2257 9763
E-mail: tender@imail.iitm.ac.in

The Senior Manager (Project Purchase)

Date: 15.11.2023

Open Tender Reference No: EE/DEEP/042/2023/CLEANROOM

GEM NAR ID: GEM/GARPTS/27102023/9D2KX4OVFJQM

Due Date/Time: 05.12.2023 @ 3PM

Dear Sir/Madam,

On behalf of the Indian Institute of Technology Madras, Tenders are invited in two bid system from Class-I local suppliers and Class II local suppliers, for the supply of: “**Clean Room in CSD221**” Conforming to the specifications given in **Annexure -A**.

Tender Documents may be downloaded from Central Public Procurement Portal <https://etenders.gov.in/e procure/app>. Aspiring Bidders who have not enrolled / registered in e-procurement should enroll / register before participating through the website <https://etenders.gov.in/e procure/app>. The portal enrolment is free of cost. Bidders are advised to go through instructions provided at “**Help for contractors**”. [Special Instructions to the Contractors/Bidders for the esubmission of the bids online through this eProcurement Portal”]

Bidders can access tender documents on the website (For searching in the NIC site, kindly go to Tender Search option and type „IIT“. Thereafter, click on “GO” button to view all IIT Madras tenders). Select the appropriate tender and fill them with all relevant information and submit the completed tender document online on the website <https://etenders.gov.in/e procure/app> as per the schedule attached.

1)	Pre-bid Meeting Details	:	20.11.2023 @ 9:30 AM, Before joining this meeting, bidders should send email with details of person who will attend this meeting and their company details along with your queries to aociitm@ee.iitm.ac.in on or before 19.11.2023 @ 05:00 PM. Bidders will be intimated on the time schedule and venue details through email.
2)	Bid Submission	:	22.11.2023 @ 3 PM
3)	ICSR Vendor Registration	:	Vendor registration code. Vendor registration with IC&SR (IITM) is mandatory for bidders to participate in tenders. ** For Vendor Registration & Guidelines, Please follow the website : https://icandsr.iitm.ac.in/vendorportal ; Helpdesk: vendorhelpdesk@icsrpis.iitm.ac.in

No manual bids will be accepted. All tender documents including Technical and Financial bids should be submitted in the E-procurement portal.

Last date for receipt of tender	:	05.12.2023 @ 3PM
Date & time of opening of tender	:	06.12.2023 @ 3PM

3. Instructions to the Bidder:

<u>A)</u>	Searching for tender documents	:	<ul style="list-style-type: none"> • There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, organization name, location, date, value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as organization name, form of contract, location, date, other keywords etc. to search for a tender published on the CPP Portal. • Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective “My Tender” folder. This would enable the CPP Portal to intimate the bidders through SMS / email in case there is any corrigendum issued to the tender document. • The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.
<u>B)</u>	Assistance to bidders	:	<ul style="list-style-type: none"> • Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender. • Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk. The contact number for the helpdesk is [0120-4200462, 0120-4001002, 0120-4001005]
<u>C)</u>	Enrollment Process to Bidders	:	<p><u>REGISTRATION</u></p> <ul style="list-style-type: none"> • Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal URL:https://etenders.gov.in/eprocure/app by clicking on “Online Bidder Enrollment”. Enrollment on the CPP Portal is free of charge. • As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts. • Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal. • Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / TCS / nCode / eMudhra etc.) • Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSCs to others which may lead to misuse. • Bidder then may log in to the site through the secured log-in by entering their user ID / password and the password of the DSC / eToken. • Possession of a Valid Class II/III Digital Signature Certificate

			<p>(DSC) in the form of smart card/e-token in the company's name is a prerequisite for registration and participating in the bid submission activities through https://etenders.gov.in/eprocure/app</p> <ul style="list-style-type: none"> Digital Signature Certificates can be obtained from the authorized certifying agencies, details of which are available in the web site https://etenders.gov.in/eprocure/app under the “Information about DSC”.
<u>D)</u>	Preparation of bids	:	<ul style="list-style-type: none"> Bidder should take into account any corrigendum published on the tender document before submitting their bids. Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid. Bidder, in advance, should prepare the bid documents to be submitted as indicated in the tender document / schedule and generally shall be in PDF / XLS formats as the case may be. Bid documents may be scanned with 100 dpi with black and white option. To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, GSTIN Details, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use “My Documents” area available to them to upload such documents. These documents may be directly submitted from the “My Documents” area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.
<u>E)</u>	Submission of bids	:	<ul style="list-style-type: none"> Bidder should log into the site well in advance for bid submission so that he/she can upload the bid in time i.e. on or before the bid submission date and time. Bidder will be responsible for any delay due to other issues. The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document. Bidder has to select the bid security declaration. Otherwise, the tender will be summarily rejected. A standard BOQ format has been provided with the tender document to be filled by all the bidders. Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. Bidders are required to download the BOQ file, open it and complete the detail with their respective financial quotes and other details (such as name of the bidder). If the BOQ file is found to be modified by the bidder, the bid will be rejected. The server time (which is displayed on the bidders’ dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The

		<p>bidders should follow this time during bid submission.</p> <ul style="list-style-type: none"> • The Tender Inviting Authority (TIA) will not be held responsible for any sort of delay or the difficulties faced during the submission of bids online by the bidders due to local issues. • The uploaded tender documents become readable only after the tender opening by the authorized bid openers. • Upon the successful and timely submission of bids, the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details. • Kindly add scanned PDF of all relevant documents in a single PDF file of compliance sheet. • More information useful for submitting online bids on the CPP Portal may be obtained at: https://etenders.gov.in/eprocure/app. • All tender documents including pre-qualification bid, Technical Bid & Financial Bid should be submitted separately in online CPP portal as per the specified format only. Right is reserved to ignore any tender which fails to comply with the above instructions. No manual bid submission will be entertained.
<u>F)</u>	Marking on Technical Bid	<ul style="list-style-type: none"> • The bidder eligibility criteria, technical specification and supply of item for this tender is given in Annexure A. • The Bidders shall go through the specification and submit the technical bid. • The Technical bid should be submitted in the proforma as per Annexure-B in pdf format only through online (e-tender). No manual submission of bid will be entertained. • The technical bid should have a page-wise heading as “Technical Bid” and page no. in all pages with seal and signature of authorized signatory. The total no. of pages should be mentioned at the last page of the documents. • The technical bid should consist of bidder eligibility criteria details and all technical details along with catalogue/ pamphlet which will give a detailed description of product with technical data sheet so that technical compliance can be verified.
<u>G)</u>	Marking on Price Bid	<ul style="list-style-type: none"> • Financial bid (BoQ) should be submitted in the prescribed proforma format as per Annexure-C in xls format through e-tender only. No manual or other form of submission of Financial Bid will not be entertained

4)	<p>Preparation of Tender: The bidders should submit the bids in two bid system as detailed below.</p> <p>Bid I _ Technical Bid The technical bid should consist of bidder eligibility criteria and technical specification compliance sheet as per Annexure-B.</p> <p>Bid II _ Price Bid The price bid should be submitted in excel format (BoQ) as per the proforma (Annexure C) uploaded in the e-Tender web site. The Quoted price should be for supply and installation of the item and inclusive of all cost and statutory levies at IIT Madras.</p>
5)	<p>Price:</p> <ul style="list-style-type: none"> a) The price should be quoted only in INR net per unit (after breakup) and must include all packing, transit insurance and delivery charges to Department of Electrical Engineering, IITM. b) The rate quoted shall be all inclusive of all taxes and no extra payment will be made other than statutory revisions as per the terms and conditions stipulated in this contract document. c) The percentage of tax & duties should be clearly indicated separately. IIT Madras is eligible for custom duty (5.5%). Relevant certificates will be issued wherever necessary. d) The offer/bids should be submitted through online only in two bid system i.e. Technical Bid and Financial Bid separately.
6)	<p>Tenderer shall submit along with this tender:</p> <ul style="list-style-type: none"> (i) Proof of having ISO or other equivalent certification given by appropriate authorities. (ii) Name and full address of the Banker and their swift code and PAN No. and GSTIN number. (iii) GST registration proof showing registration number, area of registration etc. <p>Note: All of your future correspondences including Invoices should bear the GST No. and Area Code.</p>
7)	<p>Terms of Delivery:</p> <p>Supplier will be fully responsible for the safe carriage, Installation/Commissioning of goods up to the Department of Electrical Engineering, IITM or named place as per PO, Insurance coverage will be in the scope of the supplier.</p> <p>The tenderer should indicate clearly the time required for delivery of the item (subject to the approval of the Executive Committee-IIT-Madras). In case there is any deviation in the delivery schedule, liquidated damages clause will be enforced or penalty for the delayed supply period will be levied.</p> <p>In the event of delay or non-supply of materials/execution of Contract beyond the date of delivery/completion of job. The penalty will be levied @1% per week of delay subject to a max of 10% of the value of purchase order and if the delay is more than accepted time frame by IIT M, the PO would be partially or fully cancelled and liquidated damages will be enforced accordingly.</p>
8)	<p>Period for which the offer will remain open:</p> <p>The Tender shall remain open for acceptance/validity till: 120 days from the date of opening of the tender. However, the day up to which the offer is to remain open being declared closed holiday for the Indian Institute of Technology Madras, the offer shall remain open for acceptance till the next working day.</p>
9)	<p>EMD: NA</p>
10)	<p>Performance Security: -</p> <p>The successful bidder should submit Performance Security for an amount of 5% of the basic invoice value of the contract/supply. The Performance Security may be furnished in the form of an Account Payee DD,FD Receipt in the name of “The Registrar, IIT Madras” from any scheduled commercial bank or Bank Guarantee from any scheduled commercial bank in India. The performance security should be furnished within 14 days from the date of the purchase order.</p>

	<p>Performance Security in the form of Bank Guarantee: - In case the successful bidder wishes to submit Performance Security in the form of Bank Guarantee, the Bank Guarantee should be routed directly to IIT Madras from the Bank.</p> <p>The Bank Guarantee should remain valid for a period of sixty days beyond the date of completion of all contractual obligations of the supplier including the warranty obligations.</p>
11)	For the same tender, either the OEM or the authorized dealer/service provider can only quote. But both of them cannot quote separately for the same tender.
12)	The offers/bids should be sent only for a item/Equipments of latest version that is available in the market and supplied to a number of customers. A list of customers in India with details must accompany the quotations. Quotations for a prototype machine will not be accepted
13)	Original catalogue (not any photocopy) of the quoted model duly signed by the principals must accompany the quotation in the Technical bid.
14)	Compliance or Confirmation report with reference to the specifications and other terms & conditions should also be obtained from the principal/OEM.
15)	<p>Risk Purchase Clause</p> <p>In the 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 other sources on the total risk of the supplier under risk purchase clause.</p>
16)	<p>Payment:</p> <p>(i) No Advance payment will be made. However, 90% Payment against Delivery and 10% after installation are agreed to wherever the installation is involved.</p> <p>(ii) Advance Payment: No advance payment is generally admissible. In case a specific percentage of advance payment is required, the Vendor has to submit a Bank Guarantee from a scheduled commercial bank in India equivalent to the amount of advance payment.</p>
17)	<p>On-site Installation:</p> <p>The equipment/item or Machinery has to be installed or commissioned by the successful bidder within the number of days (as prescribed by PI) from the date of receipt of the item at the site of IIT Madras.</p>
18)	<p>Warranty/Guarantee:</p> <p>The offer should clearly specify the warranty or guarantee period for the machinery/equipment. Any extended warranty offered for the same has to be mentioned separately (For more details please refer our Technical Specifications).</p> <p>** Note: PO which involves installation, warranty/guarantee shall be applicable from date of installation.</p>
19)	<p>Acceptance and Rejection:</p> <p>Failure to comply with any of the instructions stated in this document or offering unsatisfactory explanations for non-compliance will likely to lead to rejection of offers.</p> <p>I.I.T. Madras has the right to accept the whole or any part of the Tender or portion of the quantity offered or reject it in full without assigning any reason.</p>
20)	<p>Debarment from Bidding:</p> <p>In case of breach of Terms & Conditions, Bidder may be suspended from being eligible for bidding in any contract with the IIT Madras up to 2 Years [as per Rule 151(iii) of GFR] from the date of Tender.</p>
21)	<p>Disputes and Jurisdiction:</p> <p>Settlement of Disputes: Any dispute, controversy or claim arising out of or in connection with this PO including any question regarding its existence, validity, breach or termination, shall in the first instance be attempted to be resolved amicably by both the Parties. If attempts for such amicable resolution fails or no decision is reached within 30 days whichever is earlier, then such disputes shall be settled by arbitration in accordance with the Arbitration and Conciliation Act, 1996. Unless the Parties agree on a sole arbitrator, within 30 days from the receipt of a written request by one Party from the other Party to so agree, the arbitral panel shall comprise of three arbitrators. In that event, the supplier will nominate</p>

	<p>one arbitrator and the Project Coordinator of IITM shall nominate an arbitrator. The Dean IC&SR will nominate the Presiding Arbitrator of the arbitral tribunal. The arbitration proceeding shall be carried out in English language. The cost of arbitration and fees of the arbitrator(s) shall be shared equally by the Parties. The seat of arbitration shall be at IC&SR IIT Madras, Chennai.</p> <p>a. The Applicable Law: The Purchase Order shall be construed, interpreted and governed by the Laws of India. Court at Chennai shall have exclusive jurisdiction subject to the arbitration clause.</p> <p>b. Any legal disputes arising out of any breach of contract pertaining to this tender shall be settled in the court of competent jurisdiction located within the city of Chennai in Tamil Nadu.</p>
22)	<p>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, its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.</p> <p>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. 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.</p> <p>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.</p>
23)	<p>Eligibility Criteria:</p> <ul style="list-style-type: none"> ➤ As per the Government of India Order, only “Class - I Local Suppliers” and “Class - II Local Suppliers” <u>can participate in this tender.</u> ➤ <u>Bidder should confirm their acceptance that they comply with the provisions with report to “Guidelines for eligibility of a bidder from a country which shares a land border with India as detailed at Annexure-E. The bidder should submit Certificate for “Bidder from/ Not from Country sharing Land border with India & Registration of Bidder with Competent Authority” as per Order of DoE F.No.6/18/2019-PPD dated 23.07.2020 as mentioned.</u>
24)	<p>Preference to “class I Local Suppliers”: preference will be given to “class 1 local suppliers” (subject to class -I local supplier’s quoted price falling within the margin of purchase preference) as per public procurement (preference to make in India) order 2017 .O.M No P- 45021/2/2017 – pp(BE - 11) dt 04/06/2020 subject to the conditions that the “class 1 Local Supplier” should agree to supply goods / provide service at L1 rate and furnish a certificate with the technical bid document that the goods/service provided by them consists local content equal to or more than 50%.(certificate from Chartered Accountant in case value of contract exceeds Rs 10 crore).</p> <ul style="list-style-type: none"> ➤ ‘Class - I local supplier’ means a supplier or service provider whose goods, services or works offered for procurement consists of local content equal to or more than 50% as defined under the above said order. Declaration to be provided as per Annexure-D per item/service/work. ➤ ‘Class - II local supplier’ means a supplier or service provider whose goods, services or works offered for procurement consists of local content equal to 20% but less than 50% as defined under the above said order. Declaration to be provided as per Annexure-D per item/service/work. ➤ ‘Margin of purchase preference’: - The margin of purchase preference shall be 20%. The Definition of the margin of purchase preference is defined in the Govt. of India Order No: P-45021/12/2017-PP (BE-II) Dt.4th June, 2020) Order 2017. As per the Government of India Order – “Margin of Purchase Preference” means the maximum extent to which the price quoted by a “Class-I local supplier” may be above the L1 for the purpose of purchase preference.

	<p>**Note: Local content percentage to be calculated in accordance with the definition provided at clause 2 of revised public procurement preference to Make in India Policy vide GoI Order no. P-45021/2/2017-PP (B.E.-II) dated 15.06.2017 (subsequently revised vide orders dated 28.05.2018, 29.05.2019 and 04.06.2020) MOCI order No. 45021/2/2017-PP (BE II) Dt.16th September 2020 & P-45021/102/2019-BE-II-Part(1) (E-50310) Dt.4th March 2021</p>
25)	<p>Evaluation of Bids Bid evaluation will take place in two stages. Stage I Technical Bid evaluation All bidders who have fully complied with bidder eligibility criteria I and II and technical evaluation (Annexure A) will only be considered for opening of price bid. Stage II: Price Bid Evaluation The price bid evaluation will be based on price quoted by the bidder. The rate quoted for Clean Room in CSD221 unit will alone be taken up for arrival of Lowest Bid (L1) value.</p>
26)	<p>In accordance to the Rule 173 of GFR,2017 and relevant provisions thereof in Procurement Manuals, 2022, IC&SR, IITM reserves the right to carry out the negotiation process through its purchase/technical committee with L1/H1 (as applicable) vendor to ensure price reasonability before final recommendation to the Competent Authority. The negotiation details, if any, on case to case basis shall be recorded in minutes of meetings suitably for records.</p>
27)	<p>Selection of successful bidder and Award of Order The order will be directly awarded to the technically qualified bidder as per the condition in para 3A of DIPP, MoCI Order No. 45021/2/2017-PP (BE II) dated 16th September 2020.</p>
28)	<p>All information including selection and rejection of technical or financial bids of the prospective bidders will be communicated through e-Tender portal. In terms of Rule 173(iv) of General Financial Rule 2017, the bidder shall be at liberty to question the bidding conditions, bidding process and/or rejection of bids.</p>
29)	<p>The tenderer shall certify that the tender document submitted by him / her are of the same replica of the tender document as published by IIT Madras and no corrections, additions and alterations made to the same. If any deviation found in the same at any stage and date, the bid / contract will be rejected / terminated and actions will be initiated as per the terms and conditions of the contract.</p>
30)	<p>Clarification to the queries and doubts raised by the bidders will be issued as a corrigendum/addendum in the e-tenders portal.</p>
31)	<p>In the e-tender process, participation of bidders after the due date is not possible. The eligible bidders can login to the e-Procurement portal to ascertain the tender status.</p>

ACKNOWLEDGEMENT

It is hereby acknowledged that I/We have gone through all the points listed under “Specification, Guidelines, Terms and Conditions” of tender document. I/We totally understand the terms and conditions and agree to abide by the same.

**SIGNATURE OF TENDERER ALONG WITH SEAL OF
THE COMPANY WITH DATE**

Bidder Eligibility Criteria and Technical Specification for Clean Room in CSD221
Tender No. EE/DEEP/042/2023/CLEANROOM

1.0 Bidder Eligibility Criteria – I (Public Procurement – Preference to Make in India)

1. Only 'Class-I local suppliers' and 'Class-II local suppliers', as defined under DIPP, MoCI Order No. P-45021/2/2017-PP (BE-II) dated 16th September 2020 and other subsequent orders issued therein.

2.0 Bidder Eligibility Criteria – II

1. The bidder/OEM should have supplied at least one or more similar project to IIT-Madras in the last 10 years, PO copies or installation certificates along with model number and contact details of end user need to be submitted as the proof of supply. IIT Madras reserves its right to verify the claims submitted by the bidder and the feedback from the previous customers will be part of technical evaluation.

3.0 Technical Specifications for Clean Room in CSD221

S.No	SPECIFICATION
1	<p>Fan Filter Unit: Fan Filter Unit Dimensions 1200x600x390 mm HEPA Filter x1200x600x80mm, 0.3 Micron Effi-99.997% Quantity – 6 Nos.</p>
2	<p>Air Shower: MS Powder Coated Air shower 1500x1500x2100 mm height with all interlocks before entry into the clean room of class 100,000. Quantity – 1 Nos.</p>
3	<p>Air Curtain: (Optional item) Provision for Air curtains instead of air shower: About 750 mm in length. Should turn ON automatically whenever the door is opened. Shall be fixed in front of a 1L clean room to be fixed at a pre-specified height. Quantity – 1 Nos.</p>
4	<p>Partition Paneling with Puff panel (between clean room and sitting place): Progressive type Double skin modular 50 mm thick Solid wall panel made of 0.5 mm thick Powder coated sheets on both sides with PUF as infill of density 40 ± 2 kg /m³, GI Profiles for reinforcement along the periphery with bottom track, and necessary arrangements, All Joints shall be sealed with cleanroom compatible Neutral Grade Silicone Sealant. All the cut-outs should be covered with suitable channels Quantity – 55 sq. mts</p>
5	<p>Window Modules: Viewing glaze shall be of Double glazed 5mm thick clear toughened glass. Dimensions: 1500x900 Quantity – 7 Nos.</p>
6	<p>Partition Paneling with Puff panel (between robing room and conference room): Progressive type Double skin modular 50 mm thick Solid wall panel made of 0.5 mm thick Powder coated sheets on both sides with PUF as infill of density 40 ± 2 kg /m³, GI Profiles for reinforcement along the periphery with bottom track, and necessary arrangements, All Joints shall be sealed with cleanroom compatible Neutral Grade Silicone Sealant. All the cut-outs should be covered with suitable channels.</p>

	Quantity – 35 sq. mts
7	<p>Clean Room Doors: The Clean Room single doors shall be of GI/MS Powder coated construction of approximate size, flush configuration, swing type, double skin. Door frame powder coat color must match with clean room wall system, with door closer, handles, lock sets with option of one or both side access, view glaze shall be of double glazed 6mm clear toughened.</p> <ul style="list-style-type: none"> • Equipment moving door (as double door) - in total 1800mm Width <ul style="list-style-type: none"> ○ (Each door size) 900mm W x 2100mm H * - 2 (Quantity) • Clean room door for the people movement (Single door) - 1000mm W x 2100mm H <ul style="list-style-type: none"> ○ For Air curtain - We will need 2 doors - 1 to enter the lounge area and another to enter the clean room from lounge area - 2 (Quantity) ○ For Air shower (optional) - Air shower cabin itself will have 2 doors, of which one will be to enter the cleanroom. So we will be needing only 1 door to enter the lounge area from the outer seating space. - 2 (Quantity)
8	<p>ESD Flooring: The cleanroom flooring shall be ESD - PVC 2 mm thick and the electro static dissipative will be homogeneous constructed product sliced from a pressed vinyl block to assure a highly flexible tile of dense construction, dimensionally stable, extremely hard wearing, with a completely non directional pattern.</p> <p>Floor Dimension: 11.9 m x 8.5 m (~ 110 sq m)</p> <p>Copper Strip around the wall 40 x 5 mm thick - 70 Rmt (41 Rmt)</p> <p>Copper Plate 500 x 500 x 5 mm thick - 2 Nos</p> <p>ESD Flooring: 115 sqm -</p> <p>Copper strip: 70 sq mt -</p> <p>Earth pits with Copper plates:</p>
9	<p>Optional item: Earth Pits 600 x 600 x 3000 cu.m width Quantity – 1 Nos.</p>
10	HVAC Electrical DB: Quantity – 1 Nos.
11	Split AC Units: 1.5T, Quantity – 4 Nos.
12	<p>Lighting in clean room: Lights 45 W 600x600, Quantity – 17 Nos</p>
General Terms and Conditions :	
1	Successful bidder should be liaising with Engineering Unit IITM, for the fan filter installation in conjunction with the chilled water central air conditioning installation
2	All items above must be quoted separately - including the optional item.
3	Warranty for the entire scope of work - Design, supply and installation of clean room for minimum of 2 years from the date of successful Installation & Commissioning.

4	AMC for two years should be included - to be quoted separately
5	Work should be completed within six weeks from the date of PO.
6	Local service at Chennai should be available within 24 hours.
7	Exact requirements to be assessed by the bidder during the pre- bid meeting (Prebid queries can be sent to the given e-mail id prior to attending the prebid meeting and thereafter a field visit assessment shall be made by the bidder with consent of Project investigator)

**SIGNATURE OF TENDERER
ALONG WITH SEAL OF THE
COMPANY WITH DATE**

TECHNICAL BID PROFORMA

Tender No. EE/DEEP/042/2023/CLEANROOM

Item Name: Clean Room in CSD221

1.0 Bidder Eligibility Criteria:

I	Bidder Eligibility Criteria-I (Public Procurement – Preference to Make in India)	Class I / Class II	Local Content %	Reference, Page No.
I	Only 'Class-I local suppliers' and 'Class-II local suppliers', as defined under DIPP, MoCI Order No. P-45021/2/2017-PP (BE II) dated 16 th September 2020 and other subsequent orders issued therein.			

2.0 Bidder Eligibility Criteria:

I	Bidder Eligibility Criteria-II (Public Procurement – Preference to Make in India)	Class I / Class II	Local Content %	Reference, Page No.
I	The bidder/OEM should have supplied at least one or more similar project to IIT-Madras in the last 10 years, PO copies or installation certificates along with model number and contact details of end user need to be submitted as the proof of supply. IIT Madras reserves its right to verify the claims submitted by the bidder and the feedback from the previous customers will be part of technical evaluation.			

TECHNICAL SPECIFICATIONS FOR Clean Room in CSD221

S.No	SPECIFICATION	COMPLIED/NOT COMPLIED	CATALOGUE PAGE NO
1	Fan Filter Unit: Fan Filter Unit Dimensions 1200x600x390 mm HEPA Filter x1200x600x80mm, 0.3 Micron Effi-99.997% Quantity – 6 Nos.		
2	Air Shower: MS Powder Coated Air shower 1500x1500x2100 mm height with all interlocks before entry into the clean room of class 100,000. Quantity – 1 Nos.		
3	Air Curtain: (Optional item) Provision for Air curtains instead of air shower: About 750 mm in length. Should turn ON automatically whenever the door is opened. Shall be fixed in front of a 1L clean room to be fixed at a pre-specified height. Quantity – 1 Nos.		
4	Partition Paneling with Puff panel (between clean room and sitting place): Progressive type Double skin modular 50 mm thick Solid wall		

	<p>panel made of 0.5 mm thick Powder coated sheets on both sides with PUF as infill of density 40 ± 2 kg /m³, GI Profiles for reinforcement along the periphery with bottom track, and necessary arrangements, All Joints shall be sealed with cleanroom compatible Neutral Grade Silicone Sealant. All the cut-outs should be covered with suitable channels</p> <p>Quantity – 55 sq. mts</p>		
5	<p>Window Modules: Viewing glaze shall be of Double glazed 5mm thick clear toughened glass. Dimensions: 1500x900</p> <p>Quantity – 7 Nos.</p>		
6	<p>Partition Paneling with Puff panel (between robing room and conference room): Progressive type Double skin modular 50 mm thick Solid wall panel made of 0.5 mm thick Powder coated sheets on both sides with PUF as infill of density 40 ± 2 kg /m³, GI Profiles for reinforcement along the periphery with bottom track, and necessary arrangements, All Joints shall be sealed with cleanroom compatible Neutral Grade Silicone Sealant. All the cut-outs should be covered with suitable channels.</p> <p>Quantity – 35 sq. mts</p>		
7	<p>Clean Room Doors: The Clean Room single doors shall be of GI/MS Powder coated construction of approximate size, flush configuration, swing type, double skin. Door frame powder coat color must match with clean room wall system, with door closer, handles, lock sets with option of one or both side access, view glaze shall be of double glazed 6mm clear toughened.</p> <ul style="list-style-type: none"> • Equipment moving door (as double door) - in total 1800mm Width <ul style="list-style-type: none"> ○ (Each door size) 900mm W x 2100mm H * - 2 (Quantity) • Clean room door for the people movement (Single door) - 1000mm W x 2100mm H <ul style="list-style-type: none"> ○ For Air curtain - We will need 2 doors - 1 to enter the lounge area and another to enter the clean room from lounge area - 2 (Quantity) ○ For Air shower (optional) - Air shower cabin itself will have 2 doors, of which one will be to enter the cleanroom. So we will be needing only 1 door to enter the lounge area from the outer seating space. - 2 (Quantity) 		

8	<p>ESD Flooring: The cleanroom flooring shall be ESD - PVC 2 mm thick and the electro static dissipative will be homogeneous constructed product sliced from a pressed vinyl block to assure a highly flexible tile of dense construction, dimensionally stable, extremely hard wearing, with a completely non directional pattern.</p> <p>Floor Dimension: 11.9 m x 8.5 m (~ 110 sq m)</p> <p>Copper Strip around the wall 40 x 5 mm thick - 70 Rmt (41 Rmt)</p> <p>Copper Plate 500 x 500 x 5 mm thick - 2 Nos</p> <p>ESD Flooring: 115 sqm -</p> <p>Copper strip: 70 sq mt -</p> <p>Earth pits with Copper plates:</p>		
9	<p>Optional item: Earth Pits 600 x 600 x 3000 cu.m width Quantity – 1 Nos.</p>		
10	<p>HVAC Electrical DB: Quantity – 1 Nos.</p>		
11	<p>Split AC Units: 1.5T, Quantity – 4 Nos.</p>		
12	<p>Lighting in clean room: Lights 45 W 600x600, Quantity – 17 Nos</p>		
General Terms and Conditions :			
1	<p>Successful bidder should be liaising with Engineering Unit IITM, for the fan filter installation in conjunction with the chilled water central air conditioning installation</p>		
2	<p>All items above must be quoted separately - including the optional item.</p>		
3	<p>Warranty for the entire scope of work - Design, supply and installation of clean room for minimum of 2 years from the date of successful Installation & Commissioning.</p>		
4	<p>AMC for two years should be included - to be quoted separately</p>		
5	<p>Work should be completed within six weeks from the date of PO.</p>		
6	<p>Local service at Chennai should be available within 24 hours.</p>		

7	Exact requirements to be assessed by the bidder during the pre-bid meeting (Prebid queries can be sent to the given e-mail id prior to attending the prebid meeting and thereafter a field visit assessment shall be made by the bidder with consent of Project investigator)		
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FINANCIAL BID (PROFORMA) - BILL OF QUANTITIES (BOQ)

Item Name: Clean Room in CSD221

It. No	Description of work	Quantity	Units	Basic Rate in INR	GST in Percentage	Total Amount with taxes in INR
1	Fan Filter Unit : Fan Filter Unit Dimensions 1200x600x390 mm HEPA Filter x1200x600x80mm, 0.3 Micron Effi-99.997%	6	Nos			
2	Air Shower : MS Powder Coated Air shower 1500x1500x2100 mm height with all interlocks before entry into the clean room of class 100,000.	1	No			
3	Air Curtain: Provision for Air curtains instead of air shower: About 750 mm in length. Should turn ON automatically whenever the door is opened. Shall be fixed in front of a 1L clean room to be fixed at a pre-specified height (Optional item).	1	No			
4	Partition Paneling with Puff panel (between clean room and sitting place) - Please refer the Technical specification on Annexure A	55	sq. mts			
5	Window Modules : Viewing glaze shall be of Double glazed 5mm thick clear toughened glass. Dimensions: 1500x900	7	Nos			
6	Partition Paneling with Puff panel (between robing room and conference room) - Please refer the Technical specification on Annexure A	35	sq. mts			
7	Clean Room Doors - Total 1800mm Width (Double door) (Each door size) 900mm W x 2100mm H	2	Nos			
8	Clean room door - 1000mm W x 2100mm H (Single door) For Air curtain	2	Nos			
9	Clean room door -1000mm W x 2100mm H (Single door) For Air shower (Optional item)	2	Nos			
10	ESD Flooring Floor Dimension: 11.9 m x 8.5 m	110	sq. mts			
11	ESD Flooring Copper Strip around the wall 40 x 5 mm thick - 70 Rmt	41	Rmt			
12	ESD Flooring Copper Plate 500 x 500 x 5 mm thick	2	Nos			
13	Earth Pits 600 x 600 x 3000 cu.m width (Optional item)	1	Nos			

14	HVAC Electrical DB	1	Nos			
15	Split AC Units: 1.5T	4	Nos			
16	Lighting in clean room: Lights 45 W 600x600	17	Nos			
	Grand Total					

Total Amount Rupees in words _____

FORMAT FOR AFFIDAVIT OF SELF-CERTIFICATION UNDER PREFERENCE TO MAKE IN INDIA – PER ITEM

Tender Reference Number:

Name of the item / Service:

Date: _____

I/We_S/o, D/o, W/o, _ Resident of

Hereby solemnly affirm and declare as under:

That I will agree to abide by the terms and conditions of the Public Procurement (Preference to Make in India) Policy vide GoI Order no. P-45021/2/2017-PP (B.E.-II) dated 15.06.2017 (subsequently revised vide orders dated 28.05.2018, 29.05.2019 and 04.06.2020) MOCI order No. 45021/2/2017-PP (BE II) Dt.16th September 2020 & P- 45021/102/2019-BE-II-Part (1) (E-50310) Dt.4th March 2021 and any subsequent modifications/Amendments, if any and

That the local content for all inputs which constitute the said item/service/work has been verified by me and I am responsible for the correctness of the claims made therein.

Tick (✓) and Fill the Appropriate Category	
<input type="checkbox"/>	I/We _____ [name of the supplier] hereby confirm in respect of quoted items that Local Content is equal to or more than 50% and come under “ Class-I Local Supplier ” category.
<input type="checkbox"/>	I/We _____ [name of the supplier] hereby confirm in respect of quoted items that Local Content is equal to 20% but less than 50% and come under “ Class-II Local Supplier ” category.

The details of the location (s) at which the local value addition is made and the proportionate value of local content in percentage

Address _____ Percentage of Local content: _____%

For and on behalf of (Name of firm/entity)

Authorized signatory (To be duly authorized by the Board of Directors)

<Insert Name, Designation and Contact No.>

[Note: In case of procurement for a value in excess of Rs. 10 Crores, the bidders shall provide this certificate from statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content.]

This letter should be on the letterhead of the quoting firm and should be signed by a competent authority. Nonsubmission of this will lead to Disqualification of bids.

(To be given on the letter head of the bidder)

No. _____

Dated: _____

CERTIFICATE

(Bidders from India)

I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and hereby certify that I am not from such a country.

OR

(whichever is applicable)

(Bidders from Country which shares a land border with India)

I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and hereby certify that I from _____ (Name of Country) and has been registered with the Competent Authority. I also certify that I fulfil all the requirements in this regard and is eligible to be considered. *(Copy/ evidence of valid registration by the Competent Authority is to be attached)*

Place:

Date:

Signature of the Tenderer
Name & Address of the
Tenderer with Office Stamp

OEM CERTIFICATION FORM
(In Original Letter Head of OEM)

Tender No: Dated:

We are Original Equipment Manufacturers (OEM) of..... (Name of the company) Ms..... (Name of the vendor) is one of our Distributors/Dealers/Resellers/Partners (tick one) for the and is participating in the above-mentioned tender by offering our product model.....(Name of the product with model number).

..... is authorized to bid, sell and provide service support warranty for our product as mentioned above.

Name and Signature of the authorized signatory of OEM along with seal of the company with Date



CENTRE FOR INDUSTRIAL CONSULTANCY & SPONSORED RESEARCH (IC&SR)
INDIAN INSTITUTE OF TECHNOLOGY MADRAS
CHENNAI 600 036



ELECTRONIC CLEARING SERVICE (Credit Clearing)/ REAL TIME GROSS SETTLEMENT (RTGS) FACILITY FOR RECEIVING PAYMENTS

A. Details of Account Holder

Name of the Institution	Indian Institute of Technology - Madras
Complete Contact Address	Industrial Consultancy and Sponsored Research Indian Institute of Technology-Madras, IIT- Madras Campus Post Office, Sardar Patel Road, Guindy, CHENNAI - 600 036
Permanent Account Number (PAN)*	AAAAI3615G
GST REGISTRATION NO.	33AAAAI3615G1Z6
Telephone No./ Fax No.	Tel - 044-2257 8356
E- mail ID of the FO/AO/REG/DIR	dricsr@iitm.ac.in

B. Bank Account Details:

Institution Account Name (As per Bank Record)	The Registrar, Indian Institute of Technology - Madras
Account No.	2722101003872
IFSC CODE	CNRB0002722
SWIFT CODE	CNRBINBBIIT
Bank Name (in full)	Canara Bank
Branch Name	IIT-Madras Branch
Complete Branch Address	Canara Bank, IIT-Madras Branch, IIT- Madras Campus Post Office, Sardar Patel Road, Guindy, CHENNAI - 600 036
MICR No.	600015085
Account Type	Savings Account

Certified that the Institute's account is in an RTGS enabled branch.
I hereby declare that the particulars given above are correct and complete.

Date:

Signature of the Competent Authority
of the Institution with seal.

उप कुलसचिव (आई.टी. एवं एस.आर.)
DEPUTY REGISTRAR (IC & SR)
आई.आई.टी. मद्रास, चेन्नै
I.I.T. MADRAS, CHENNAI - 600 036.