



**INDIAN INSTITUTE OF TECHNOLOGY GOA  
GEC CAMPUS, FARMAGUDI, PONDA, GOA,  
403401**

**TENDER DOCUMENT FOR FABRICATION OF MODULAR CLEAN  
ROOM FOR CENTRE OF EXCELLENCE LABS SITUATED IN  
ACADEMIC BLOCK B OF IIT GOA**

**NIT: C&EMD/CoE/IITGOA/2019/002 DT. 26-06-2019**

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## PART A (TECHNICAL BID)

### 1. NOTICE INVITING TENDER

#### 1.1. INTRODUCTION

Indian Institute of Technology (IIT) Goa, invites sealed tenders from the eligible contractors for fabrication of modular clean rooms in Centre of Excellence labs situated in Academic B of IIT Goa. Particulars of the work are as follows.

#### 1.2 PARTICULARS

1.NIT No	C&EMD/CoE/IIT GOA/2019/002 dt 26-06-2019
2.Name of work	Fabrication of Modular Clean Rooms
3.Location of work	Centre Of Excellence lab situated in Academic Block B of IITG
4.Earnest Money Deposit	Rs.29,367/- Only
7.Time of Period	2 months from date of issue of work order.
8.Tender Fee	Rs.500/- Only
9.Tender Basis and Mode	Two Stage (Technical Bid & Financial Bid)
10.Mode of Payment to IITG (Tender Fee & EMD)	Demand Draft/ Bank Guarantee in favour of IIT Goa Main Account payable at Goa. (Cheques will not be accepted)
11.Date, Time & Venue of Pre bid meeting.	17-07-2019 at 11.00 hrs at C&EMD Office, IIT Goa
12. Closing Date & Time of receiving of bids.	21-07-2019 at 15.00 hrs
13. Date & Time of opening of Technical Bid.	21-07-2019 at 15.30 hrs at C&EMD Office, IIT Goa
14. Date & Time of opening of Financial Bid.	Will be intimated to qualified agencies.
15. Address of tender issue, submission and opening	Tender documents will be available on the site as stated: <a href="https://www.iitgoa.ac.in">https://www.iitgoa.ac.in</a> (Under tender Section) & CPP Portal. Tender submission & opening place: C& EMD OFFICE, IIT GOA
16. Website for full and updated information.	<a href="https://www.iitgoa.ac.in">https://www.iitgoa.ac.in</a> (Under tender Section) & CPP Portal.

### 1.3. ELIGIBILITY CRITERIA

1.3.1. Quotations will be considered only from original clean room material manufacturers (OCRMM) or from their authorized representatives. If quoting on behalf of OCRMM, the bidder should provide valid certificate of authorization from the OCRMM, without which the offer will be rejected. Authorization certificate must be issued prior to the date of the tender and must be valid on due date of the tender.

1.3.2. The bidder/OEM should have adequate production facilities and capacity to manufacture the tendered items. The bidder shall provide at least two references of past similar supplies to Indian customers preferably government/PSU within last five years with complete contact details. The user reserves the right to obtain feedback of the clean room facility supplied by the bidder or it's OEM from the user.

## 2. INFORMATION TO BIDDERS

### 2.1. GENERAL INSTRUCTIONS

2.1.1. Bidding documents are to be obtained electronically through websites: <https://www.iitgoa.ac.in> (Under tender Section) & CPP Portal. The tender fee in the prescribed mode must accompany the tender documents issued electronically at the time of submission.

2.1.2. The bidder shall visit and inspect the site and obtain all information on his own responsibility and at own cost, which may be necessary for the purpose of quoting and submitting the tender. No excuse or ignorance as to site conditions and local information shall be accepted after awarding of the contract. Access to the site will be granted by the Engineer-in-charge on all working days within working hours.

2.1.3. All clarifications about the tender shall be sought by bidder on or before pre-bid meeting. The bidders may make suggestions which shall be considered during the Pre Bid Meeting. No queries shall be entertained after notification of replies to noteworthy queries received till the date of pre-bid meeting.

2.1.4. The bidding document (consisting of the schedule of quantities of various types of items to be executed, the set of terms and conditions of the contract and other documents / drawings, if any), Corrigenda, Clarifications to Pre-bid queries can be downloaded from the website: <https://www.iitgoa.ac.in> (Under tender Section) Corrigenda, if any shall be published only on these website. The institute shall not be responsible for any delay / difficulties / inaccessibility of downloading facility for any reason whatsoever.

2.1.5. All costs, charges & expenses that may be incurred in connection with the preparation of the tender shall be borne by agency and the Institute accepts no liability whatsoever therefore.

2.1.6. Rates quoted by the bidders shall be inclusive of GST (Goods and Services Tax - Central, State and Interstate) and all applicable taxes. Income Tax and all other statutory deductions like labour cess etc. will be deducted from the bill as per prevailing rules.

2.1.7. Exemption to IITG against any tax/ duty/ fee/ surcharge/ charge/ cost, if any, found applicable or sought later from IITG after award shall be passed on to IITG by the contractor without dispute.

2.1.8. IITG reserves the right to reject any or all of the bids without assigning any reason.

2.1.9. Bid Validity: Bid shall remain valid for 120 days from the date of submission.

2.1.10. Firm Price: Bidder's quoted Rates/Prices for executing the activities under the Contract shall remain firm till the period of one year & shall not attract any escalation under any circumstances whatsoever.

2.1.11. If any information furnished by the bidder is found as false / fabricated, then his bid will be rejected and treated as cancelled. Even if such manipulation is detected at any stage after signing of the contract, it would lead to termination of the contract besides forfeiture of Earnest Money Deposit and liabilities towards prosecution. In such cases the bidder will be debarred from participation in future tendering process in IITG for next 05 (Five) years.

2.1.12. Earnest Money Deposit (EMD) of requisite amount and that in prescribed mode or proof of payment thereof shall be enclosed with the Technical Bid explained in following section.

2.1.13. Refund / Conversion of Earnest Money Deposit: The Earnest Money received shall be refunded to the unsuccessful bidders without any interest upon executing the Contract Agreement by successful bidder. The Earnest Money Deposit of successful bidder shall be retained and converted into part of Security Deposit.

2.1.14. Forfeiture of Earnest Money Deposit: Earnest Money Deposit will be forfeited in any of the following cases:

- (i) The bidder withdraws / modifies his tender during the period of Bid Validity.
- (ii) The bidder, in case of tie between lowest bids, refuses to submit revised offer.
- (iii) The bidder does not accept the correction of arithmetical errors of his tender.
- (iv) The bidder does not submit the performance guarantee within specified time after issue of work order.
- (v) Fails to commence the work after issue of work order within the specified time.

2.1.15. i) The bid should include detailed design and specifications of the major items of the clean room.

ii) The fabrication shall be carried out strictly as per approved fabrication drawing.

iii) Before proceeding for fabrication, the supplier shall submit actual fabrication plan, minor deviation (if any), methodology etc. approval by IIT Goa. The fabrication must be started only after obtaining approval from IIT Goa.

iv) In case of any doubt / required minor deviation in specification, the written permission should be obtained from IIT Goa.

v) On completion of modular clean room fabrication, the supplier shall thoroughly clean all the equipment, inspect and check the entire installation for correctness and completeness and furnish a detailed report of all components of the installation to user.

## 2.2. SUBMISSION OF TENDER

2.2.1. The sealed tenders shall be received at the C&EMD Office, IIT Goa, Goa College of Engineering Campus, Farmagudi, Ponda Goa-403401 up to 15:00hrs, 21<sup>st</sup> July 2019 or as per Corrigenda otherwise.

2.2.2. Tenders received after the due date and time shall not be considered.

2.2.3. Tenders shall be submitted in a sealed Master envelope super scribed "FABRICATION OF MODULAR CLEAN ROOMS with the NIT No. C& EMD/CoE/IITGOA/2019/002 dt 21-07-2019, containing three separate sealed covers, each clearly super scribed as "Tender Fee and EMD", "Technical Bid" and "Financial Bid" respectively, in the following manner:

2.2.4. Envelope-1 (Tender FEE & EMD) will consist of:

i) Tender Fee for ₹ 500/- (Non-refundable), in the prescribed mode or proof of payment thereof. ii) Earnest Money Deposit of requisite amount, in the prescribed mode or proof of payment thereof.

2.2.5. Tender without payment of Earnest Money Deposit would be summarily rejected.

2.2.6. Envelope-2 (Technical Bid) will consist of:

(i) Covering letter of the offer signed by firm's authorized signatory.

(ii) Documents establishing the identity and authenticity of the bidder/ bidding firm

(iii) Self-certified copies of all the documents in support of eligibility of bidder.

2.2.7. Envelope-3 (Financial Bid) will consist of the complete tender document, each page duly signed and stamped by the bidder as acceptance of the conditions, Declaration by Bidder and Financial Bid all duly filled-in, signed by the bidder or his/her authorized signatory and stamped.

### 2.3. EVALUATION OF BIDS AND AWARD OF WORK

2.3.1. The Technical Bid of bidder will be opened on the specified date and time of opening at the C & EMD Office, IIT GOA, GEC Campus, Farmagudi, Ponda Goa in the presence of willing bidders or their authorized representatives.

2.3.2. Date, time and place of opening of Financial Bid will be informed after evaluation of Technical Bid to the Technically Qualified Bidders.

2.3.3. Bids shall, first be checked for payment of Tender Fee and Earnest Money Deposit. Only those bids found to have duly paid/ submitted Tender Fee and Earnest Money Deposit shall be considered for evaluation.

2.3.4. Evaluation of Technical Bid: The bids received will then be assessed on the eligibility criteria mentioned at para 1.3 of Notice Inviting Tender. Bids found not meeting the eligibility criteria shall be considered non-responsive and shall be rejected summarily.

2.3.5. IITG retains the right to revert back to individual bidders with further clarifications / queries on the Technical Bid. The bidder has to respond to the queries within the specified time mentioned in the covering letter.

2.3.6. On the date & time specified for opening of Financial Bid or the Revised Financial Bids as the case may be will be opened on specified date and time.

2.3.7. EVALUATION OF Financial Bids: The Financial Bid should contain the complete bid document with duly filled in Schedule of Financial Quote. Financial Bids opened as above will be checked for arithmetical errors.

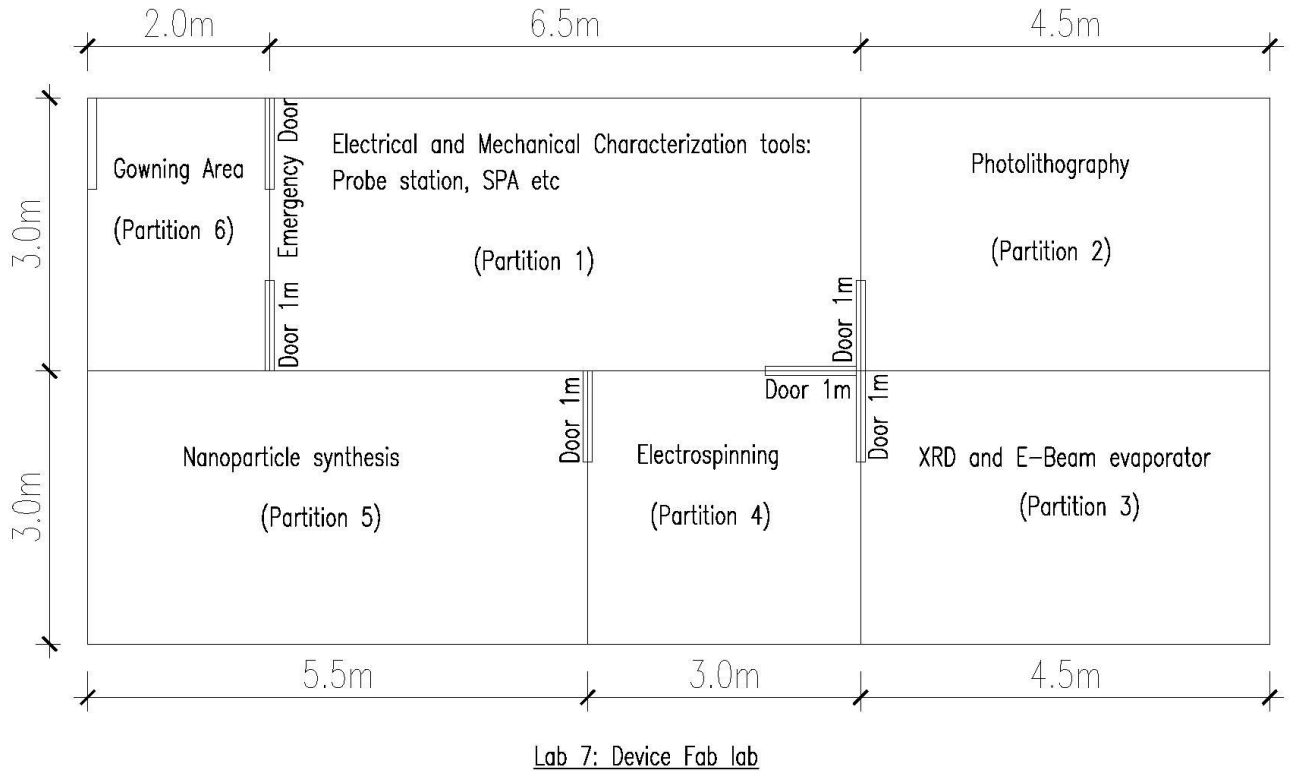
2.3.8. Agreement (Contract) consisting of complete tender document including conditions, bill of quantities, technical proposal and specialized services, drawings, if any, and acceptance thereof together with any correspondence leading thereto, shall be drawn and signed with the awardee after issue of Work Order.

2.3.9. Date of start of work shall be reckoned from 15th day from the date of issue of "Work Order".

## 2.4. PLACE OF INSTALLATION & MATERIAL SPECIFICATIONS

2.4.1 Site details and place of installation: The Clean room has to be installed in an already buildup rooms (2 Rooms) of Size 13.00m (L) x 6.00m (W) x 3.6m (H).

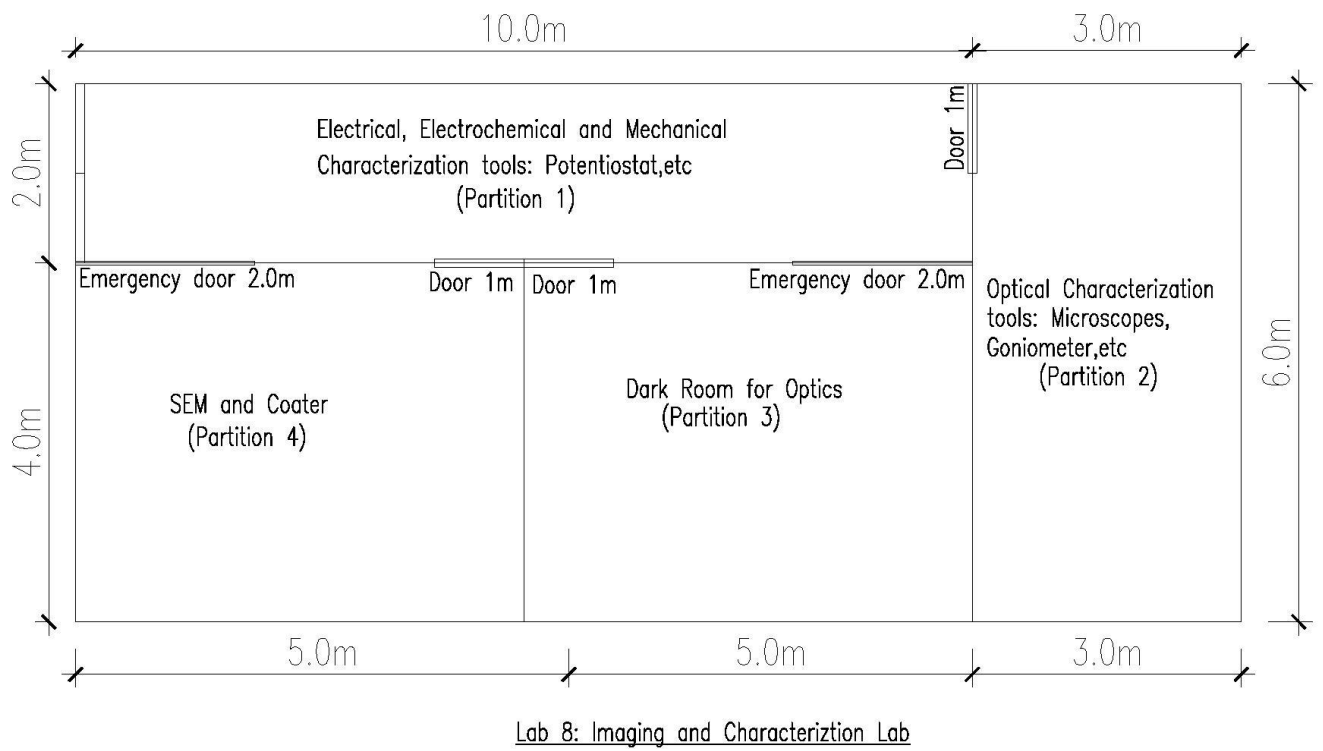
### Schematic layout of the clean rooms:



**Figure 1:** Schematic layout of clean room (Lab 7)

The size of the room is 13.00m (L) x 6.00m (W) x 3.6m (H). And the total area of the room is 78sqm.





**Figure 2:** Schematic layout of clean room (Lab 8)

The size of the room is 13.00m (L) x 6.00m (W) x 3.6m (H). And the total area of the room is 78sqm

**Material Specifications for Modular Clean Room:**

1. Internal covings (R 65mm minimum): Aluminium powder coated
2. Outer flashing (Girth-220mm minimum): 0.60mm (minimum) powder coated
3. "C" flashing (Girth-152mm minimum) : 0.60mm (minimum) powder coated
4. "Door" flashing (Girth-132mm minimum) : 0.80mm (minimum) powder coated
5. Coving corner-3D: Aluminium powder coated

## FINANCIAL BID

Sr.No	Description	Unit	Quantity	Rate	Amount
1	<b>Sandwich Puf Wall Panel</b> Sandwich Puf Wall / Ceiling Panel, 50mm thickness wall, top and bottom: 0.5mm	M2	490		
2	<b>Clean Door</b> Clean room swing door Size: 1000*2100	M2	9		
3	<b>Clean Door</b> Clean room swing door Size: 2000*2100	M2	1		
4	<b>Covings</b> Covings-Internal Coving aluminium powder coated r65	M2	295		
5	<b>Covings</b> Covings-3d	RM	40		
6	<b>Accessories</b> Outer Flashing/c flashing / door	RM	395		
7	Fixing of Panels	M2	1215		
8	Fixing Fixing of door	M2	10		

Note:

- i) All rates should be inclusive of GST. (5% GST with exemption certificate).
- ii) No advance payment will be made.