



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

**TENDER DOCUMENT FOR INTERNAL ELECTRICAL WORK OF  
BIOLOGY LAB AT IIT GOA, FARMAGUDI, PONDA, GOA**

**NIT: IIT GOA/C&EMD/2021/027 DT.14-09-2021**

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## PART A (TECHNICAL BID)

### 1. NOTICE INVITING TENDER

#### 1.1. INTRODUCTION

Indian Institute of Technology (IIT) Goa, hereinafter called IITGoa, invites sealed tenders from licensed contractors for setting up biology lab in PG block. Particulars of the work are as follows.

#### 1.2 PARTICULARS

1.NIT No	IIT GOA/C&EMD/2021/027 DT.14-09-2021
2.Name of work	Electrical works for setting up Biology Lab in PG Block.
3.Location of work	IIT Goa transit campus at GEC Farmagudi.
4.Estimated Cost ( Including GST)	Rs. 4,54,000/- Only
5.Earnest Money Deposit	EMD not applicable, bidders have to submit signed ' <b>Bid Security Declaration</b> ' on the letter head of the firm as given in Annexure-A.
6.Performance Guarantee	3% of Work order value
7. Security Deposit	5% of the completed amount.
8.Completion time	Thirty (30) days from the 10 <sup>th</sup> day of issue of work order.
9.Tender Basis and Mode	Two Stage ( Technical Bid & Financial Bid)
10.Mode of Payment to IIT Goa (Tender Fee & EMD)	Demand Draft/ Bank Guarantee in favor of IIT Goa Main Account payable at Goa. (Cheque will not be accepted)
11.Date, Time & Venue of Pre bid meeting.	On line meeting dtd. 20 <sup>th</sup> of September'2021 at 11:00am
12. Closing Date & Time of receivingof bids.	28 <sup>th</sup> of September 2021 by 15:00hrs
13. Date & Time of opening of Technical Bid.	28 <sup>th</sup> of September 2021 by 15:30hrs
14. Date & Time of opening of Financial Bid.	Will be intimated later to technically qualified parties only.
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). 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).

### **1.3. ELIGIBILITY CRITERIA**

1.3.1. The bidder must be registered in appropriate class of works with Government organization like CPWD/ PWD/ MES/ PSUs/Reputed private firms or those having experience in similar nature of works awarded by Government / Semi Government Organizations/ Government Funded Autonomous Organization or having experience in execution of similar works in any reputed private firms.

1.3.2. The bidder must have a valid contractor's license issued by the Govt. of Goa for carrying out the electrical work in MV category.

1.3.3. The bidder must have successfully completed at least 1 (ONE) similar work of value equal to or greater than Rs. 3,63,200/- (80% of the estimated cost) or 2 (TWO) similar works, each of value equal to or greater than Rs. 2,72,400/- (60% of the estimated cost) or 3 (THREE) similar works, each of value equal to or greater than Rs. 1,81,600/- (40% of the estimated cost) with Government/ Semi-government/ PSU/ Government Funded Autonomous Organization or reputed Pvt. Organizations during last 7 (seven) years preceding last date of the month of tendersubmission. In case of private works, the same shall be supported by TDS certificate for the work under consideration along with the document of having satisfactorily completed the above work to the satisfaction of Engineer-in -Charge.

Note:

- (i) The estimated cost is Rs. 4,54,000/- (Rupees Four Lakhs Fifty-Four Thousand Only).
- (ii) Similar works shall mean: Supply, Installation, Testing and Commissioning of internal electrical installation work.

1.3.4. The bidder must be registered with appropriate government authority as a bonafide business entity and must have GST registration certificate and Permanent Account Number of income tax.

1.3.5. The registrations and contractor's licenses should be valid during the execution phase.

1.3.6. A Certificate/Undertaking on the letter head of the Company to the effect that the bidder/Manufacturer has not been blacklisted anywhere in India or abroad by any organization. A self-certification to this effect is required to be enclosed as given in Appendix-B.

1.3.7. Average annual turnover for the last three years of the bidder as per ITCC or profit & loss statement shall not be less than the estimated cost (i.e. Rs. 4,54,000/-).

1.3.8. The agencies should enclose the Xerox copies of the following;

- a) Registration of the firm.
- b) GST Registration.
- c) PAN
- d) Valid electrical Contractor's License of Govt. of Goa
- e) Work order copy and completion certificate from the client as per the criteria 1.3.3
- f) TDS Certificate in support of private works as per criteria 1.3.3 along with work order copy and completion certificate.

## **2. INFORMATION TO BIDDERS**

### **2.1. SCOPE OF WORK**

2.1.1. The IIT Goa invites tender for providing power supply and other electrical works according to the schedule for setting up of a Biology Lab in the premises of IIT Goa.

2.1.2. The scope of work shall include supply, installation, testing and commissioning of the items defined in the schedule of quantities and as per the SLD provided by the engineer in-charge and as per the Part-B Financial Bid.

- a. 5 A and 16 A switches and sockets.
- b. 2.5 Sqmm and 4 Sqmm wires for single phase supply.
- c. 10 Sqmm and 16 Sqmm wires for three phase supply.
- d. 5 A to 32 A single pole MCB.
- e. 40 A and 63 A TPN MCB.
- f. 4 way TPN distribution board.
- g. 0.75 to 2.5 tonnage capacity air conditioner and
- h. 2x2 LED fitting.

2.1.3. The contractor shall engage a qualified supervisor for supervising all the works carried out. The minimum qualification should be Diploma.

2.1.4. All the replaced items must be stored in the store room as specified by the Engineer in charge.

2.1.5. No debris shall be left over during the installation works under each item on any day. An area for 'Debris bins' will be identified on the request of contractor for collection of debris generated on day to day basis. The Debris from debris bin shall be cleared as and when required. The contractor must maintain adequate number of wheel barrows all the time for shifting the debris to Debris bin.

2.1.6. Police Verification Certificate of all workers shall be obtained by Contractor.

## 2.2. GENERAL INSTRUCTIONS

2.2.1. Bidding documents are to be obtained electronically through websites: <https://www.iitgoa.ac.in> (Under tender Section).

2.2.2. This bid document shall be read in conjunction with GCC (General Conditions of Contract) laid down in the CPWD manual and the applicable specifications of CPWD, Electrical work Part-1 (internal) -2013.

**2.2.3. 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.

2.2.4. 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 the noteworthy queries received till the date of pre-bid meeting.

2.2.5. Completion certificate issued by Competent Authority will only be considered as credential. If the Completion certificate issued by Competent Authority does not reflect the type of work, then Final bill / Schedule of Quantity of the qualifying works also to be attached along with the Completion certificates. Certificate from private organizations for whom such works have been executed shall also be accepted.

2.2.6. 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), Corrigendum, Clarifications to Pre-bid queries can be downloaded from the website: <https://www.iitgoa.ac.in> (Under tender Section). Corrigendum, if any shall be published only on these websites. The institute shall not be responsible for any delay / difficulties / inaccessibility of downloading facility for any reason whatsoever.

2.2.7. All costs, charges & expenses that may be incurred in connection with the preparation of the bid shall be borne by contracting firm and the Institute accepts no liability whatsoever thereon.

**2.2.8. Rates quoted by the bidders shall be inclusive of labour charges and 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.**

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

2.2.10. IIT Goa reserves the right to reject any or all of the bids without assigning any reason.

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

2.2.13 Material should be deposited at site within 07 days of issue of work order. Materials required for satisfactory completion of work shall be of approved quality, make, grade etc. and confirming to the Indian Standard Specifications (Latest revision) wherever applicable and as approved by the Engineer-in-charge. All material before erection should be shown to the engineer-in-charge for quality check and approval.

2.2.14 The work should be completed within a stipulated time of 30 days from the 10<sup>th</sup> day of issue of the work order.

2.2.15 A penalty of 0.5% per day (of work order amount) will be imposed for delay in depositing the material within the stipulated time as mentioned in Pt. 2.2.13. A penalty of 0.8% per day (of Work order amount) will be imposed for delay in completion of work within the stipulated time as mentioned in Pt. 2.2.14 subject to limit of 10% of the Work order value.

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

2.2.17. Payment shall be made on the basis of actual measurement carried out. Security deposit of 5% of the completed value shall be retained with IIT Goa for a period of one year of defect liability period. If any defect in the work is detected within one year of completion date due to bad workmanship or material supplied by the contractor, the same shall be made good by the contractor free of cost to IIT Goa. In case the contractor fails to rectify the defect promptly, the defect will be rectified and made good by IIT at the risk and cost of the contractor. The amount shall be recovered from the security deposit amount.

2.2.18. 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 IIT Goa for next 05 (Five) years.

2.2.19. Bid security declaration in lieu of Earnest Money Deposit (EMD) is necessary to be furnished as per the attached format Appendix-A. Bidders who do not submit the document will be out rightly rejected.

### **2.3. SUBMISSION OF TENDER**

2.3.1. 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, 28<sup>th</sup> of September 2021 or as per Corrigendum otherwise.

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

2.3.3. Tenders shall be submitted in a sealed Master envelope super scribed "Internal electrical work of biology lab of IITGoa" with the NIT No. IIT GOA/C&EMD/2021/027 DT. 14/09/2021, containing three separate sealed covers, each clearly super scribed as "Bid security declaration", "Technical Bid" and "Financial Bid" respectively, in the following manner:

2.3.4. Envelope-1 will consist of Bid security declaration as per Appendix-A

2.3.5. Tender without submission of Bid security declaration would be summarily rejected.

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

- (i) Covering letter of the technical 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 ref. clause 1.3
- (iv) Undertaking by the bidder as per Appendix-B

2.3.7. 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 and the Financial Bid all duly filled-in, signed by the bidder or his/her authorized signatory and stamped. The name of the person signing the bid documents with his designation in the firm/company must be clearly mentioned.

## **2.4. EVALUATION OF BIDS AND AWARD OF WORK**

2.4.1. The Technical Bid of bidders 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.

2.4.2. Bids shall, first be checked for bid security declaration. Only those bids found to have duly submitted bid security declaration shall be considered for evaluation.

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

2.4.4. Evaluation of Technical Bid: The bids received will then be scrutinized on the basis of 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.

2.4.5. IIT Goa 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 failing which they may be considered as non-responsive and shall be rejected.

2.4.6. **EVALUATION OF Financial Bids:** The Financial Bid should contain the complete bid signed by the authorized representative of the firm and the financial bid duly filled in Indian rupees. Financial Bids opened as above will be checked for arithmetical errors. The work will be finalized on lowest quotation basis.

**2.4.7. The lowest bidder shall be issued work order for carrying out the work, and such bidder is required to furnish a Performance Guarantee within seven working days from the date of issue of work order.**

2.4.8. 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.

2.4.9. Conditional tender will not be accepted.



## PART B (FINANCIAL BID)

Sr. No.	Particular	Units	Qty	Quoted by the firm in Indian Rupees	Quoted by the firm in Indian Rupees
A	B	C	D	E	F =D * E
1	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				
1.1	5/6 A switch	Nos	24		
1.2	3 pin 5/6 A socket outlet	Nos	24		
1.3	15/16 A switch	Nos	28		
1.4	6 pin 15/16 A socket outlet	Nos	28		
2	Supplying and fixing 6 modules, modular box along with modular base & cover plate for modular switches in recess etc. as required.	Nos	24		
3	Supplying and fixing 3 modules, modular box along with modular base & cover plate for modular switches in recess etc. as required.	Nos	4		
4	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
4.1	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	RM	50		
4.2	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	RM	130		
4.3	4 X 10 sq. mm + 2 X 6 sq. mm earth wire	RM	30		
4.4	4 X 16 sq. mm + 2 X 6 sq. mm earth wire	RM	30		
5	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of single pole in the existing MCB DB complete with connections, testing and commissioning etc. as required.	Nos	26		
6	Supplying and fixing following rating, four pole, 415 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
6.1	40 A	Nos	4		
6.2	63 A	Nos	1		
7	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.	Nos	17		

8	Supplying and fixing 4 way (4 + 12), Double door, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)	Nos	3		
9	Supply, installation, testing and commissioning of following capacity high wall split air conditioners including outdoor stand and suitable size of refrigerant piping with insulation, electrical cable and drain pipe and of suitable length all wrapped together as required.				
9.1	0.75-Ton	Nos	1		
9.2	1.0-Ton	Nos	1		
9.3	1.5-Ton (including astronomical timer switch for alternate operation.)	Nos	2		
9.4	2.5-Ton (including astronomical timer switch for alternate operation.)	Nos	2		
11	Supply, installation, testing and commissioning of following 2x2 LED fitting working on 240 VAC, 50 Hz along with all accessories as required.				
11.1	36 Watt, Colour Temperature 6500 degree Kelvin, Min CRI 70.00 and Life 50000 hrs	Nos	8		
<b>Total</b>					

*(To be printed in letter head)*

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**BID SECURITY DECLARATION**

**IN LIEU OF SUBMISSION OF EARNEST MONEY DEPOSIT (EMD)**

**Ref: (1) Our Offer No.....dated.....**  
**(2) Your Tender No. IIT GOA/C&EMD/2021/027 dated 14-09-2021**

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In the event of withdrawing or modifying our offer within the validity or extended validity period, we hereby accept the suspension of our company/firm for a period of two years from the date publication of this tender for future requirement of IIT Goa

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Signature with Date:Name:

Designation:

Official Seal:

**Appendix- 'B'**

*(To be printed in letter head)*

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**CERTIFICATE**

I hereby certify that the above firm (name & address of the firm) neither blacklisted / debarred by any Central/State Government/Public Undertaking/Institute nor is any criminal case registered / pending against the firm or its owner / partners anywhere in India.

I also certify that the above information is true and correct in every respect and in case, at a later date, it is found that any details provided above are incorrect, the tender/ contract given to the firm may be summarily terminated and the firm may be blacklisted.

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Signature with Date:Name:

Designation:

Official Seal: