



**NOTICE INVITING TENDER FOR ANNUAL MAINTENANCE  
CONTRACT FOR ELECTRICAL WORK AT IIT GOA  
QUOTATIONS INVITED FOR THE YEAR 2020 – 21**

**TENDER NO: -NIT: IIT GOA/C&EMD/2020/ 013  
DATE: - 27/07/2020**

**INDIAN INSTITUTE OF TECHNOLOGY GOA  
GOA COLLEGE OF ENGINEERING CAMPUS  
FARMAGUDI, PONDA  
GOA – 403401**

# **CONTENT**

## **PART A (TECHNICAL BID)**

<b>1. NOTICE INVITING TENDER .....</b>	<b>3</b>
1.1 INTRODUCTION.....	3
1.2 PARTICULARS .....	3
1.3 ELIGIBILITY CRITERIA .....	5
<b>2. INFORMATION TO BIDDERS.....</b>	<b>6</b>
2.1. SCOPE OF WORK .....	6
2.2. GENERAL INSTRUCTIONS .....	6
2.3. SUBMISSION OF TENDER.....	8
2.4. EVALUATION OF BIDS AND AWARD OF WORK .....	8
<b>3. UNDERTAKING BY THE BIDDER .....</b>	<b>10</b>
UNDERTAKING .....	10

## **PART B (FINANCIAL BID)**



## **PART A (TECHNICAL BID)**

### **1. NOTICE INVITING TENDER**

#### **1.1 INTRODUCTION**

Indian Institute of Technology (IIT) Goa, hereinafter called IITG, invites sealed tenders from the eligible licensed electrical contractor of appropriate class (MV) for Annual Maintenance Contract for Electrical Work at IITG. Particulars of the work are as follows.

#### **1.2 PARTICULARS**

1.NIT No	IIT GOA/C&EMD/2020/013 DT. 27-07-2020
2.Name of work	Annual Maintenance & Renovation work - Electrical
3.Location of work	1) Administration building, 2) 640 Capacity Hostel, 3) Offices, 4) Academic Blocks, 5) Classrooms, 6) Laboratories 7) Faculty Cabins 8) D-2/C Quarters 9) Rajmudra & Tarangan Building Flats. Particulars of the work are as follows
4.Estimated Cost (Including GST)	Rs.12,77,390/-Only
5.Earnest Money Deposit	Rs.26,000/-Only
6.Performance Guarantee	Rs.64,000/-Only
7. Security Deposit	Rs.64,000/-Only
8.Period of work	One Year from date of issue of the work order.
9.Tender Fee	Rs.500/- Only
10.Tender Basis and Mode	Two Stage ( Technical Bid & Financial Bid)
11.Mode of Payment to IITGoa (Tender Fee & EMD)	Demand Draft/ Bank Guarantee in favor of IIT Goa Main Account payable at Goa. (Cheque will not be accepted)
12. Date, Time & Venue of Pre bid meeting.	07.09.2020 at 11.00AM, C&EMD Office
13. Closing Date & Time of receiving of bids.	18.09.2020 till 03.00PM, C&EMD Office
14. Date & Time of opening of Technical Bid.	18.09.2020 at 03.30PM, C&EMD office



15. Date & Time of opening of Financial Bid.	Will be intimated to qualified agencies.
16. 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
17. 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. The bidder must be registered in appropriate class of works with Government organization like CPWD/ PWD/ MES or PSUs 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.

1.3.2. The bidder must have done at least 1 (ONE) similar work of value of 80% of the estimated cost or 2 (TWO) similar works for projects each of value 60% of the estimated cost or 3 (THREE) similar work for projects each of value 40% of the estimated cost with Government/ Semi-government/ PSU/ Government Funded Autonomous Organization during last 7 (seven) years preceding last date of the month of tender submission or having experience in execution of similar works

**Note:**

The estimated cost is 12,77,390/- (Rupees Twelve Lakhs Seventy-Seven Thousand Three Hundred and Ninty Only). Similar works shall mean: Building works/ maintenance of Electrical works

1.3.3. 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.

1.3.4. The registrations and licenses should be valid during the execution phase.

1.3.5. Net Worth certificate from a chartered accountant (CA) to be furnished which should not be less than 15% of the estimated cost i.e. Rs. 1,91,610/-

1.3.6. Average annual turnover for the last three years of the bidder as per ITCC or profit & loss statement shall not be less than 50% of the estimated cost (i.e. Rs. 6,38,695/-), not having incurred loss in more than two years, during last 5 years ending 31 Mar 2020.

1.3.7. The agencies should enclose the Xerox copies of the following;  
Performance certificate.

GST Registration.

PAN

EPFO Registration Certificate.

ESIC Registration Certificate.

Registration under CPWD/PWD/MES/PSU/Other.

1.3.8. The contractor should have a valid Electrical contractor license of appropriate class (MV) issued by electrical department of Govt. of Goa to carry out electrical work in the state. The copy of license should be submitted in the technical bid.



## 2. INFORMATION TO BIDDERS

### 2.1. SCOPE OF WORK

- 2.1.1. The IIT Goa invites tender for Annual Maintenance Contract for Electrical Work at IITG.
- 2.1.2. The contractor shall arrange to provide service on Saturdays, Sundays and other holidays in case of emergency as required by the Engineer in Charge, failing which penal recovery shall be made, decision of Engineer in Charge will be final.
- 2.1.3. The complains received by the contractor during normal working hours should be attended to, at the shortest possible time.
- 2.1.4. The contractor shall provide daily report stating the nature of complaints/ work done, to the Engineer in Charge or authorized representative daily in the format.
- 2.1.5. The contractor shall provide & maintain a triplicate book for receiving the job complaint order from Engineer in Charge Daily in the approved format (as given in Annexure A).
- 2.1.6. All the replaced items must be stored in the store room as specified by the Engineer in charge.
- 2.1.7. 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.
- 2.1.8. Police Verification Certificate of all workers shall be obtained by Contractor.
- 2.1.9. Make of each item should be ISI certified.

### 2.2. GENERAL INSTRUCTIONS

- 2.2.1. 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.
- 2.2.2. 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.
- 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. The water should be arranged by the agency.
- 2.2.5. 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.
- 2.2.6. 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.



2.2.7. 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 website. The institute shall not be responsible for any delay / difficulties / inaccessibility of downloading facility for any reason whatsoever.

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

2.2.9. 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 labourcess etc. will be deducted from the bill as per prevailing rules.

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

2.2.11. IITGoa reserves the right to reject any or all of the bids without assigning any reason.

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

2.2.13. 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.

2.2.14. 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 IITGoa for next 05 (Five) years.

2.2.15. Earnest Money Deposit (EMD) of Rs. 26,000/- shall be enclosed with the Technical Bid.

2.2.16. 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 2% of the estimated amount i.e (Rs. 26,000/-) of successful bidder shall be retained and converted into part of Security Deposit. The remaining 3% of the security deposit amount will be deducted from each running account bill till the total amount of security deposit (Rs. 64,000/-) is adjusted.

2.2.17. 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.



### 2.3. 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, 18th Sept'2020 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 "Annual Maintenance Contract- Electrical Works" with the NIT No.IIT GOA/C&EMD/2020/013 DT. 27-07-2020, containing three separate sealed covers, each clearly super scribed as "Tender Fee and EMD", "Technical Bid" and "Financial Bid" respectively, in the following manner:

2.3.4. 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.

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

2.3.6. 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.

(iv) Copy of the electrical contractor's license from state licensing authority, Govt. of Goa.

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, Declaration by Bidder and Financial Bid all duly filled-in, signed by the bidder or his/her authorized signatory and stamped.

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

2.4.1. 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.

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

2.4.3. 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.

2.4.4. 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.

2.4.5. IITGoa 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.

2.4.6. 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.

2.4.7. 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.





2.4.8. The successful bidder shall be issued Letter of Acceptance (LOA) of the bid, and be required to furnish a Performance Guarantee as per General Conditions of Contract (CPWD GCC Manual).

2.4.9. 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.

2.4.10. Date of start of work shall be reckoned from 15<sup>th</sup> day from the date of issue of “Work Order”.



### 3. UNDERTAKING BY THE BIDDER

#### UNDERTAKING

I / We have read and examined the Tender document including terms & conditions, specifications, bill of quantities, drawings and designs, general rules & directions, General Conditions of Contract, Special Conditions of Contract and all relevant other documents, publications and rules referred to in the Conditions of Contract (CPWD GCC) and all other contents in the tender documents for the work including applicable CPWD Specifications.

I / We, hereby tender for execution of the work specified for the Indian Institute of Technology Goa within the time specified and in accordance in all respects with the specifications, designs, drawings and instructions in writing.

We agree to keep the tender open for 120 days from the last date of its submission and not to make any modifications in its terms and conditions. A sum of Rs. \_\_\_\_\_ has been deposited in cash/ demand draft of a scheduled bank as earnest money. If I / we, fail to furnish the prescribed performance guarantee within prescribed period, I / we agree that the said Director, Indian Institute of Technology Goa or his authorized officer shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I / we fail to commence work as specified, I / we agree that the Director, Indian Institute of Technology Goa shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said earnest money and the performance guarantee absolutely, otherwise the said earnest money shall be retained by him towards security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein.

Further, I / We agree that in case of forfeiture of earnest money or both Earnest Money & Performance Guarantee as aforesaid, I / We shall be debarred for participation in the re-tendering process of the work.

I / We hereby declare that I / We shall treat the tender documents and other records connected with the work as secret / confidential documents and shall not communicate information derived there-from to any person other than a person to whom I / We am / are authorized to communicate the same or use the information in any manner prejudicial to the safety of the State.

Seal & Signature of Contractor

Postal Address

Dated

Witness

Address



## **PART B (FINANCIAL BID)**

<b>FINANCIAL BID</b>					
<b>SCHEDULE OF QUANTITIES</b>					
<b>Sr No.</b>	<b>Description of Items</b>	<b>R. M/Nos</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required. Group C	Nos	100		
2	Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.	Nos	20		
3	Wiring for circuit/ submain wiring alongwith 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	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	R.M	300		
5	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	R.M	200		
6	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	R.M	100		
7	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	R.M	50		
8	2 X 10 sq. mm + 1 X 6 sq. mm earth wire	R.M	100		
9	2 X 16 sq. mm + 1 X 6 sq. mm earth wire	R.M	100		
10	4 X 2.5 sq. mm + 2 X 2.5 sq. mm earth wire	R.M	150		
11	4 X 4 sq. mm + 2 X 4 sq. mm earth wire	R.M	75		
12	4 X 6 sq. mm + 2 X 6 sq. mm earth wire	R.M	75		
13	4 X 10 sq. mm + 2 X 6 sq. mm earth wire	R.M	75		
14	4 X 16 sq. mm + 2 X 6 sq. mm earth wire	R.M	75		
15	Rewiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable and 1.5 sq.mm FRLS PVC insulated copper conductor single core cable as earth wire in existing surface/recessed steel/PVC conduit including dismantling as required. Group C	Nos	100		



16	Rewiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable and 1.5 sq.mm FRLS PVC insulated copper conductor single core cable as earth wire in existing surface/ recessed steel/PVC conduit including dismantling as required.	Nos	20		
17	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.				
18	20 mm	R. M	50		
19	25 mm	R. M	50		
20	32 mm	R. M	50		
21	40 mm	R. M	50		
22	50 mm	R. M	50		
23	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				
24	5/6 A switch	Nos	150		
25	2 way 5/6 A switch	Nos	25		
26	15/16 A switch	Nos	50		
27	3 pin 5/6 A socket outlet	Nos	100		
28	6 pin 15/16 A socket outlet	Nos	50		
29	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	Nos	20		
	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	Nos	100		
30	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required.				
31	1 or 2 Module (75mmX75mm)	Nos	50		
32	3 Module (100mmX75mm)	Nos	50		
33	4 Module (125mmX75mm)	Nos	50		
34	6 Module (200mmX75mm)	Nos	75		
35	8 Module (125mmX125mm)	Nos	75		
36	12 Module (200mmX150mm)	Nos	30		
37	Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.				
38	1 or 2 Module	Nos	20		
39	3 Module	Nos	20		
40	4 Module	Nos	20		
41	6 Module	Nos	20		



42	8 Module	Nos	20		
43	12 Module	Nos	20		
44	Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell point (without independent switch etc.) with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed PVC conduit, and earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc. as required. Group C	Nos	100		
45	Dismantling of ceiling fan and painting the same with with one or more coats of spray painting with synthetic enamel paint of approved brand and manufacture to give an even shade, including cleaning of surface with detergent and replacing the damaged rubber reel, nuts and bolts with washers and safety pins, reinstalling the same as required.	Nos	50		
46	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
47	Single pole	Nos	50		
48	Single pole and neutral	Nos	20		
49	Triple pole	Nos	15		
50	Triple pole and neutral	Nos	10		
51	Supplying and fixing following rating, double pole, 240 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
52	40 A	Nos	5		
53	63 A	Nos	5		
54	Supplying and fixing following rating, four pole, 415 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
55	40 A	Nos	5		
56	63 A	Nos	5		
57	100 A	Nos	5		
58	Supplying and fixing DP sheet steel enclosure on surface/ recess along with 25/32 A 240 V "C" curve DP MCB complete with connections, testing and commissioning etc. as required. (without MCB only enclosure)	Nos	20		
59	Supplying and fixing TP sheet steel enclosure on surface/ recess along with 16/25/32 A 415 V "C" curve TP MCB complete with connections, testing and commissioning etc. as required. (without MCB only enclosure).	Nos	20		



60	Supplying and fixing 20 A, 240 V, SPN Industrial type socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 A "C" curve, SP MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	Nos	10		
61	Supplying and fixing 20 A, 415 V, TPN Industrial type socket outlet, with 4 pole and earth, metal enclosed plug top alongwith 20 A "C" curve, TPMCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket outlet and complete with connections, testing and commissioning etc. as required.	Nos	10		
62	Providing and fixing M.V. danger notice plate of 200 mm X 150 mm, made of mild steel, at least 2 mm thick, and vitreous enameled white on both sides, and with inscription in single red colour on front side as required.	Nos	10		
63	Providing and fixing H.T. danger notice plate of 250 mm X 200 mm, made of mild steel, at least 2 mm thick, and vitreous enameled white on both sides, and with inscription in single red colour on front side as required.	Nos	5		
64	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required.	Nos	6		
65	Supplying and laying 25 mm X 5 mm G.I strip at 0.50 metre below ground as strip earth electrode, including connection/ terminating with G.I. nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of G.I. nut bolt & spring washer spaced at 50mm)	R. M	200		
66	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as required.	R. M	300		
67	Providing Skilled labour for additional work other than above (8hrs/day) –ELECTRICIAN	Days	60		
68	Providing Unskilled labourfor additional work other than above (8hrs/day) -Beldar/coolii	Days	60		