



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

**TENDER DOCUMENT ELECTRICAL ANNUAL MAINTENANCE  
CONTRACT AT IIT GOA, FARMAGUDI, PONDA, GOA**

**NIT: IIT GOA/C&EMD/2021/029 dtd.24-12-2021**



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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 electrical annual maintenance and repair works of 1) Administration building 2) Offices & Faculty Cabins 3) Academic Blocks 4) Classrooms 5) Laboratories 6) PG Block 7) Workshop 8) Medical Dispensary 9) D-2/C Quarters 10) Central Library 11) Raj Mudra & Tarangan Building Flats 11) 640 capacity hostel premises.

#### 1.2 Particulars

1.NIT No	IIT GOA/C&EMD/2021/029 dtd.24-12-2021
2.Name of work	Electrical Annual Maintenance Contract.
3.Location of work	1) Administration building 2) Offices & Faculty Cabins 3) Academic Blocks 4) Classrooms 5) Laboratories 6) PG Block 7) Workshop 8) Medical Dispensary 9) D-2/C Quarters 10) Central Library 11) Raj Mudra & Tarangan Building Flats 11) 640 capacity hostel premises.
4.Estimated Cost ( Including GST)	Rs. 14,21,000/- 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	One Year from the day of issue of work order.
9.Tender Basis and Mode	Two Stage ( Technical Bid & Financial Bid)
10.Date, Time & Venue of Pre bid meeting.	On line meeting dtd. 31 <sup>st</sup> of December'2021 at 11:00am
11. Closing Date & Time of receiving of bids.	07 <sup>th</sup> of January 2022 by 15:00hrs



12. Date & Time of opening of Technical Bid.	07 <sup>th</sup> of January 2022 by 15:30hrs
13. Date & Time of opening of Financial Bid.	Will be intimated later to technically qualified parties only.
14. Address of tender issue, submission and opening	Tender documents will be available on the site as stated: <a href="https://iitgoa.ac.in/tenders/">https://iitgoa.ac.in/tenders/</a> . Tender submission & opening place: C& EMD OFFICE, IIT GOA
15. Website for full and updated information.	<a href="https://iitgoa.ac.in/tenders/">https://iitgoa.ac.in/tenders/</a>

Sd/-  
Registrar, IIT Goa



### **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. 11,36,800/- (80% of the estimated cost) or 2 (TWO) similar works, each of value equal to or greater than Rs. 8,52,600/- (60% of the estimated cost) or 3 (THREE) similar works, each of value equal to or greater than Rs. 5,68,400/- (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 tender submission. 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. 14,21,000/- (Rupees Fourteen Lakhs Twenty-One Thousand Only).
- ii. Similar works shall mean: Supply, Installation, Testing and Commissioning of wires, cables, switchgears, rewinding of fans etc.

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 certified by the chartered accountant(CA) shall not be less than the estimated cost (i.e. Rs. 14,21,000/-).

1.3.8. The agencies should enclose the self-certified copies of the following;



- a) Registration of the firm.
- b) GST Registration.
- c) PAN
- d) Valid electrical Contractor's License issued by Govt. of Goa
- e) As per the criteria 1.3.3 the bidder should submit work completion certificate from the client in CPWD format, mentioning the name of work, name of contractor, agreement/W.O. number, date of start of work, date of completion as per work order, date of actual completion. Reason for delay if any, penalty levied, completed value of work, remark on quality/behaviour/sincerity signed by person not below the rank of Executive Engineer.
- f) TDS Certificate in support of private works as per criteria 1.3.3 along with work order copy and completion certificate
- g) Company/Contractors organisation profile as per Appendix - C
- h) EPFO/ESIC Registration certificate
- i) Average Annual turnover for the last three years duly certified by CA.
- j) Certificate of undertaking as given in Appendix - B



## 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 informed by the Engineer in Charge through email, failing which penal recovery shall be made, decision of Engineer in Charge will be final.

2.1.3 The complains/jobs received by the contractor(through email) during normal working hours should be attended to, at the shortest possible time.

2.1.4 Tentative quantity of the items required for attending the said complaint/job will be informed through email by Engineer-in-charge. Once the complaint/job is attended actual measurement shall be updated on the trailing mail and payment shall be made based on measurement.

2.1.5 All the replaced/used items must be stored in the store room of IIT Goa as specified by the Engineer in charge.

2.1.6 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.

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

2.1.8 Appropriate size of PVC conduits along with bends, coupler, staples/saddles/screws (at an equal distance of 400 mm, same shall be followed for laying armoured cable) must be used for installation of item no. 1 given in Part-B Financial Bid Schedule of Quantities.

2.1.9 Maximum numbers of conductors in each conduit shall not exceed the permissible limit as given in the table below (conforming to IS 694:1990)

Nominal cross sectional area of conductor in sq.mm	20mm		25mm		32mm		38mm		51mm		64mm	
	S	B	S	B	S	B	S	B	S	B	S	B
1	2	3	4	5	6	7	8	9	10	11	12	13



1.50	5	4	10	8	18	12	-	-	-	-	-	-
2.50	5	3	8	6	12	10	-	-	-	-	-	-
4	3	2	6	5	10	8	-	-	-	-	-	-
6	2	-	5	4	8	7	-	-	-	-	-	-
10	2	-	4	3	6	5	8	6	-	-	-	-
16	-	-	2	2	3	3	6	5	10	7	12	8

Note:

- The above table shows the maximum capacity of conduits for a simultaneous drawing in of cables.
- The columns headed 'S' apply to runs of conduits which have distance not exceeding 4.25 m between draw in boxes and which do not deflect from the straight by an angle of more than 15 degrees. The columns headed 'B' apply to runs of conduit, which deflect from the straight by an angle of more than 15 degrees.
- Conduit sizes are the nominal external diameters.

2.1.10 For carrying out earth pit work (excluding excavation) as described in item no. 15 and 16 given in Part-B Financial Bid Schedule of Quantities diagram given in Appendix - D should be referred.

2.1.11 All the work should be carried out as per CPWD specification, Electrical Work Part - I (Internal) 2013.





## 2.2. GENERAL INSTRUCTIONS

2.2.1. Bidding documents are to be obtained electronically through websites: <https://iitgoa.ac.in/tenders/>.

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 technical specifications of CPWD, Electrical work Part-1 (internal) -2013 and Maintenance Manual 2019.

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 (on [estate@iitgoa.ac.in](mailto:estate@iitgoa.ac.in)). 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 client as per 1.3.8(e) 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 reputed private organizations for whom such works have been executed shall also be accepted. Supported by TDS certificate.

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. **The bidder shall provide email id/ phone number/ fax number etc. for purpose of communication during the bidding process and for raising complaints/issuing jobs during the period of AMC.**

2.2.8. 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.



**2.2.9. 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.**

2.2.10. 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.

2.2.11. IIT Goa 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 The complaint/job should be attended within a stipulated time of 72 hrs from the day of issue of the mail.

**2.2.14. A penalty of Rs. 500 per day will be imposed for delay in completion of work beyond the stipulated time as mentioned in Pt. 2.2.13 subject to limit of Rs. 2,500/- (i.e. max delay of 5 days) after which IIT Goa (if desired so) will carry out the work by the risk and cost of the contractor apart from the penalty and the respective amount will be recovered from the bill.**

2.2.15. Firm Price: Bidder's quoted Rates/Prices for executing the activities under the Contract shall remain firm till the completion of the period of AMC (i.e. One year from the date of issue of work order) or for the extended period of time if any thereto & shall not attract any escalation under any circumstances whatsoever.

2.2.16. Payment shall be made as and when requested by the qualified bidder in the form of running bill and 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/Pending bill of any other work being executed in IIT Goa by the contractor as the case may be.

2.2.17. 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 and the contractor shall be liable towards prosecution. In such cases the bidder will be debarred from participation in future tendering process in IIT Goa for next 02 (Two) years.



2.2.18. 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, 07<sup>th</sup> of January 2022 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 "Electrical Annual Maintenance Contract" with the NIT No. IIT GOA/C&EMD/2021/029 DT. 24/12/2021, 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. 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.

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

2.4.5. 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 AMC 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.

2.4.10. Date of start of contract shall be reckoned from the 7<sup>th</sup> day of the date of issue of "Work Order".



**PARTB(FINANCIALBID)**

Schedule of Quantities					
Sr No.	Particular	Units	Qty	Rate	Amount
1	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.				
1.1	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	R.M	200		
1.2	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	R.M	300		
1.3	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	R.M	200		
1.4	2 X 6 sq. mm + 1 X 6 sq. mm earth wire	R.M	100		
1.5	4 X 2.5 sq. mm + 2 X 2.5 sq. mm earth wire	R.M	100		
1.6	4 X 4 sq. mm + 2 X 4 sq. mm earth wire	R.M	100		
1.7	4 X 6 sq. mm + 2 X 6 sq. mm earth wire	R.M	100		
1.8	4 X 10 sq. mm + 2 X 6 sq. mm earth wire	R.M	50		
1.9	4 X 16 sq. mm + 2 X 6 sq. mm earth wire	R.M	50		
2	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required.				
2.1	1 X 1.5 sq. mm	R.M	100		
2.2	1 X 2.5 sq. mm	R.M	100		
2.3	1 X 4 sq. mm	R.M	50		
2.4	1 X 6 sq. mm	R.M	50		
2.5	1 X 10 sq. mm	R.M	25		
2.6	1 X 16 sq. mm	R.M	25		
3	Supplying, Laying and fixing of FRLS PVC insulated, PVC sheathed, G.I. wire braided (flexible armouring) 4 core copper cable of following size on wall surface along with suitable size saddles (at a equi distance of 400 mm) and other accessories as required				
3.1	4 Core 4 sq.mm	R.M	30		
3.2	4 Core 6 sq.mm	R.M	30		
3.3	4 Core 10 sq.mm	R.M	30		
3.4	4 Core 16 sq.mm	R.M	30		
4	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.				
4.1	5/6 A switch	Each	50		
4.2	2 way 5/6 A switch	Each	50		
4.3	15/16 A switch	Each	60		
4.4	3 pin 5/6 A socket outlet	Each	75		



4.5	6 pin 15/16 A socket outlet	Each	80		
5	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.	Each	25		
6	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	Each	100		
7	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.	Each	100		
8	Supplying and fixing following size/ modules, modular box along with modular base & cover plate for modular switches on surface etc. as required.				
8.1	1 or 2 Module (75mmX75mm)	Each	20		
8.2	3 Module (100mmX75mm)	Each	25		
8.3	4 Module (125mmX75mm)	Each	20		
8.4	6 Module (200mmX75mm)	Each	50		
8.5	8 Module (125mmX125mm)	Each	50		
8.6	12 Module (200mmX150mm)	Each	30		
8.7	18 Module (200mmX225mm)	Each	10		
9	Supplying and fixing following Modular base & cover plate on existing modular metal/PVC boxes etc. as required.				
9.1	1 or 2 Module	Each	10		
9.2	3 Module	Each	10		
9.3	4 Module	Each	10		
9.4	6 Module	Each	10		
9.5	8 Module	Each	10		
9.6	12 Module	Each	10		
10	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 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)				
10.1	6 way , Double door	Each	5		
10.2	8 way , Double door	Each	5		
11	Supplying and fixing following way, 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)				
11.1	4 way (4 + 12), Double door	Each	5		
11.2	6 way (4 + 18), Double door	Each	5		



11.3	8 way (4 + 24), Double door	Each	5		
12	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer) as required . (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required.)				
12.1	4 way (4 + 12), Double door	Each	2		
12.2	8 way (4 + 24), Double door	Each	2		
12.3	12 way (4 + 36), Double door	Each	2		
13	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.				
13.1	Single pole	Each	50		
13.2	Single pole and neutral	Each	20		
13.3	Triple pole	Each	10		
13.4	Triple pole and neutral	Each	10		
14	Supplying and fixing following rating, 415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of three poles and neutral (TPN) type in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
14.1	40 A	Each	10		
14.2	63 A	Each	10		
14.3	100 A	Each	5		
15	Earthing (excluding excavation but including soft soil 3 cubic metre) with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 20 mm dia, 2.7 metre long along with funnel, medium class etc. with charcoal/ coke (100 kgs) and salt (5 kgs) as required.	Each	6		
16	Earthing (excluding excavation but including soft soil 3 cubic metre) with copper earth plate 600 mm X 600 mm X 3 mm thick (10.5 kgs) including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 20 mm dia, 2.7 metre long along with funnel, medium class etc. with charcoal/ coke (100 kgs) and salt (5 kgs) as required.	Each	6		
17	Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required.	R.M	100		



18	Providing and fixing 4.00 mm dia copper wire on surface (using G.I. Hooks made of 8 SWG GI wire/ GI clip) or in recess for loop earthing as required.	R.M	100		
19	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	R.M	100		
20	Providing and fixing 6 SWG dia G.I. wire on surface (using G.I. Hooks made of 8 SWG GI wire/ GI clip) or in recess for loop earthing as required.	R.M	100		
21	Supplying and fixing DP sheet steel enclosure on surface/ recess complete with connections, testing and commissioning etc. as required.	Each	10		
22	Supplying and fixing TPN sheet steel enclosure on surface/ recess complete with connections, testing and commissioning etc. as required.	Each	10		
23	Supplying and fixing 20 A, 240 V, SPN Industrial type socket outlet, with 2 pole and earth, metal enclosed plug top along with 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.	Each	5		
24	Supplying and fixing 20 A, 415 V, TPN Industrial type socket outlet, with 4 pole and earth, metal enclosed plug top along with 20 A "C" curve, TPMCB, 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.	Each	5		
25	Supplying and fixing 30 A, 415 V, TPN Industrial type socket outlet, with 4 pole and earth, metal enclosed plug top along with 30 A "C" curve, TPMCB, 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.	Each	5		
26	Supplying, installation, testing & commissioning of 20 W 4' LED batten having lumen output not less than 2000 lumen with HET diffuser complete with driver and of 6500K and minimum CRI 70 suitable for operation on input voltage range of 150V to 270V with 2.5KV surge protection, power factor shall be greater than 0.9 and total THD of less than 10% complete with all accessories etc. directly on wall i/c connection etc. as reqd.	Each	100		
27	Re-winding with enamelled copper wire of existing ceiling/exhaust fan.	Each	50		
28	Replacement of bearing of existing ceiling/exhaust fan	Each	50		





29	Providing Skilled labour for additional work other than above (8hrs/day) -ELECTRICIAN	Days	30		
30	Providing Unskilled labour for additional work other than above (8hrs/day) -Beldar/cooli	Days	30		
<b>Total</b>					



**Appendix- 'A'**

*(To be printed in letter head)*

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**BID SECURITY DECLARATION**

**IN LIEU OF SUBMISSION OF EARNEST MONEYDEPOSIT (EMD)**

**Ref: (1) Our Offer No.....dated.....**  
**(2) Your Tender No. IIT GOA/C&EMD/2021/029 dated 24-12-2021**

In the event of withdrawing or modifying our offer within the validity or extended validity period, we here by 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 any wherein 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 in correct, 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:

OfficialSeal:



**Appendix – C**

*(To be printed in letter head)*

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**General Business Information**

1. Business name:
2. Head office address:
3. Phone number:
4. Email address:
5. Company status:
6. Contact details of person in-charge (His/Her name, phone, email address):

**Business Information**

1. Date of Incorporation:
2. Main product/services:

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Signature with

Date:

Name:

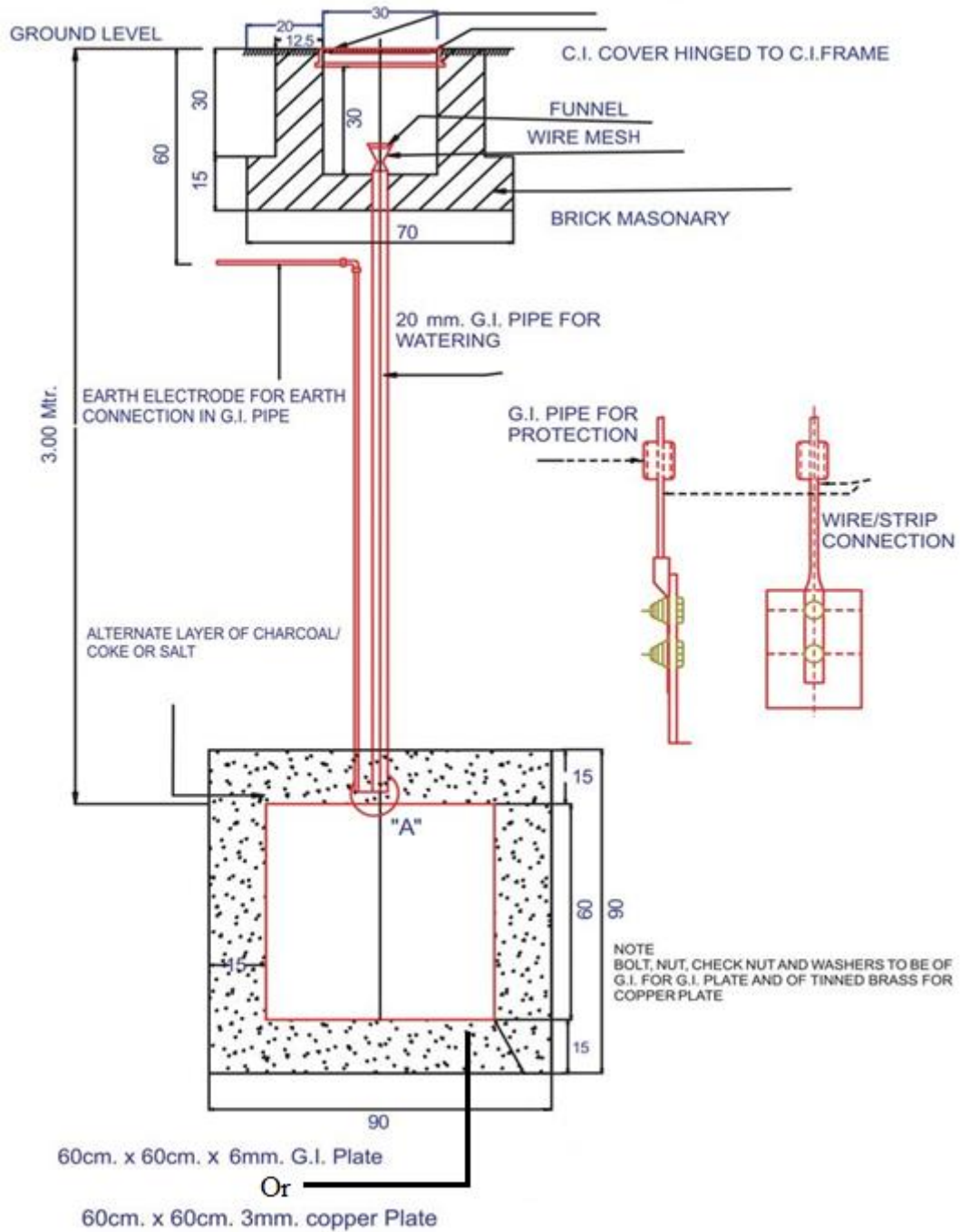
Designation:

Official Seal:



**Appendix – D**

**Schematic Drawing of Earth pit to be referred for item no. 15 & 16 in Part- B Financial Bid**





**APPENDIX-E**

**List of Approved Makes**

1. Unless otherwise specified, the brand/make of the material as specified in the item nomenclature or in the particular specifications or in the list of approved materials attached in the tender, shall be used in the work.
2. The Contractor shall obtain prior approval from the Engineer-in-Charge before placing order for any specific Brand/ Make of material.
3. Whenever the specified brand of material is not available then, the Engineer-in-Charge may approve any material equivalent to that specified, subject to a definite proof being offered by the Contractor for its equivalence and its non- availability to his satisfaction.

<b>Sr. No. as given in Part-B Financial Bid</b>	<b>Particulars</b>	<b>Make/Brands</b>
1, 2 & 3	Circuit/submain wiring, single core wire, armoured cable	Polycab / Finolex / KEI / Anchor
4, 5, 6, 7, 8 & 9	Switch, socket outlet, fan regulator, blanking plate, modular box, surface plate and base plate	Legrand/ L & T / Anchor / Greatwhite
10, 11, 12, 13 & 14	Vertical and horizontal distribution board, MCB's	Legrand / L & T / Anchor / Schneider
21 & 22	MCB enclosure	Legrand / L & T / Anchor / Schneider
23, 24 & 25	Industrial Sockets	Legrand / L & T / Anchor / Schneider
26	20 W batten	Bajaj / GreatWhite / Surya / Panasonic / Philips



**APPENDIX-F**

**PERFORMANCE GUARANTEE**

In consideration of the Indian Institute of Technology Goa (IIT Goa) having offered to accept the terms and conditions of the proposed agreement between..... and.....(hereinafter called “the said Contractor(s)”) for the works.....(hereinafter called the said agreement”) having agreed for production of an irrevocable Bank Guarantee for Rs.....(Rupees.....only) as a security/ guarantee from the contractor(s) for compliance of his obligations in accordance with the terms and conditions in the said agreement.

1. We,.....(hereinafter referred to as “the Bank”) hereby undertake to pay Indian Institute of Technology Goa an amount not exceeding Rs.....(Rupees.....Only) on demand by IIT Goa.
2. We,.....(indicate the name of the Bank) do hereby undertake to pay the amounts due and payable under this guarantee without any demure merely on a demand from IIT Goa stating that the amount claimed as required to meet the recoveries due or likely to be due from the said contractor(s). Any such demand made on the bank shall be conclusive as regards the amount due and payable by the bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs.....(Rupees.....Only)
3. We, the said bank further undertake to pay IIT Goa any money so demanded notwithstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding pending before any court or Tribunal relating thereto, our liability under this present being absolute and unequivocal. The payment so made by us under this bond shall be a valid discharge of our liability for payment and the Contractor(s) shall have no claim against us for making such payment.
4. We,.....(indicate the name of bank) further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to be enforceable till all dues of IIT Goa under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or till Engineer-In-Charge on behalf of IIT Goa certified that the terms and conditions of the said agreement have been fully and properly carried out by the said Contractor(s) and accordingly discharges this guarantee.
5. We,.....(indicate the name of the bank) further agree with IIT Goa that IIT Goa shall have the fullest liberty without any consent and without effecting any manner our obligation hereunder to vary any terms and conditions of the said agreement or to extend time of performance by the said Contractor(s) from time to time or to postpone from any time or from time to time any of the powers exercisable by IIT Goa against the said contractor(s) and to forbear or enforce any of the terms & conditions relating to the said agreement and shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Contractor(s) or for any forbearance, act of omission on part of IIT Goa or any indulgence by IIT Goa to the said Contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for provision, have effect of so relieving us.
6. This guarantee will not be discharged due to change in the constitution of the Bank or the Contractor(s).
7. We,.....(indicate the name of Bank) lastly undertake not to revoke the guarantee except with the previous consent of IIT Goa in writing.

This guarantee shall be valid up to.....unless extended on demand by IIT Goa. Notwithstanding

anything mentioned above, our liability against the guarantee is restricted to

Rs.....(Rupees.....) and unless a claim in writing is lodged with us within six months of the

date of expiry or the extended date of expiry of this guarantee all our liabilities under this guarantee shall stand

discharged. Dated the .....day of ..... for..... (indicate the name of the Bank)