

**INDIAN INSTITUTE OF ENGINEERING SCIENCE AND TECHNOLOGY**  
**SHIBPUR, P.O. Botanic Garden (Formerly Bengal Engineering And Science University)**  
**HOWRAH (West Bengal, India)-711103**

**Advt. No WEB/IPM/IEST/17-18/59. Date:-06.02.2018**

Sealed quotations are invited from bonafide Electrical Contractor's , who posses valid electrical license for building electrification works for Electrical Installation work at Seminar Room and M.E Class room of Mining Engineering Department at 2nd floor, Main Building of Indian Institute of Engineering Science Technology, Shibpur, Howrah. Sealed quotation should be dropped in the drop box at the Office of the University Engineer between 11.00 a.m to 1.00 p.m on 20.02.2018. Opening of the bid will be on 20.02.2018 at 1.30 p.m.

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Infrastructure Planning and Management.

Copy To: 1.To be displayed on the Institute Website  
2. All Notice Board

*Indian Institute of Engineering Science and Technology, Shibpur,  
Howrah-711 103*

**Name of Tender:** *Electrical Installation work at Seminar Room and M.E Class room of Mining Engineering Department at 2nd floor of Main Building of Indian Institute of Engineering Science and Technology, Shibpur, Howrah-711103.*

1. Name of the Firm :  
(in block letter)
2. Office Address :
3. Phone No. :
4. Whether Partnership / Proprietorship Firm :
5. Name of Partner(s) / Proprietor(s):
6. PAN No. :
7. Trade Licence No. :
8. Electrical Licence :
9. **GST No.** :
  
9. Demand Draft of Rs.4000/- for EMD : Number :  
  
Bank : \_\_\_\_\_ Branch \_\_\_\_\_
  
10. Quoted rate:  
(Use separate sheet, if required)

**Bill of quantities for the work of:** *Electrical Installation work at Seminar Room and M.E Class room of Mining Engineering Department at 2nd floor of Main Building of Indian Institute of Engineering Science and Technology, Shibpur, Howrah-711103.*

S.L. No.	Description of work	Unit	Qty.	Unit Rate (In Rs)	Amount (In Rs)
1	Distribution wiring in 1.1 KV grade 2x22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire (Brand approved by EIC) partly in 20mm size PVC rigid conduit 'FR' (Precision make) [for ceiling portion only] and in 19mm bore, 3mm thick polythene pipe [for horizontal & vertical run embedded in wall], with 1x22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire for ECC, to light/fan/call bell points with Piano Key type switch fixed on MS CRC sheet metal (16 SWG) switch board on wall complete with 2 no. "Ph & N" copper bar incl. bakelite/ Perspex top cover 3 mm thick and incl. 175x100x65mm inspection box, making earthing attachment, painting the MS box and mending good the damages to original finish. [only PVC Rigid Conduit on ceiling and remaining portion concealed].Average Run 11 Mtr.	No of Points.	10		
2	Supply & Fixing 240 V, 20A, plug socket with separate 20 A Piano key type switch (Brand approved by EIC) on sheet metal switch board embedded in wall incl. S & F 150x100x65mm MS (16SWG) switch board and bakelite/perspex top cover of 3mm thick by Brass screws after making housing for switch by cutting bakelite/perspex cover and making necessary connections as required	Each	2		
3	Supply & Fixing 240 V, 3 nos. 6A, & 1 no. 20A plug socket with separate 3 nos. 6 A & 1 no. 20A Piano key type switch, indicator & 20A switch type SP MCB (Brand approved by EIC) on sheet metal switch board embedded in wall incl. S & F 240x200x65mm MS (16SWG) switch board and bakelite/perspex top cover of 3mm thick by Brass screws after making housing for switch by cutting bakelite/perspex cover and making necessary connections as required	Each	1		
4	Supply & Fixing 240 V, 25 A, Modular type starter (Brand approved by EIC) with 25A Modular switch type DP MCB (CCurve) and 4 Module GI Modular type switch board with 4 Module top cover plate flushed in wall incl. S&F switch board and cover plate and making necy. connections with PVC Cu wire and earth continuity wire etc.	Each	1		
5	Cutting channel of 40 mm x 40 mm size on masonry wall incl.S&F heavy gauge polythene pipe dia as stated below, bymeans of iron hooks and supplying and drawing 18 SWG GIWire as fish wire incl. mending good damages to building works of 19 mm dia 3 mm thick polythene pipe without earth continuity wire	R.M	70		
6	Supplying and Drawing 1.1 KV single core stranded 'FR' PVC insulated & unsheathed single core stranded copper wire(Brand approved by EIC) of the 2x56/0.3 (4 sqmm) + 1x36/0.3 (2.5 sqmm) as ECC in the prelaidpolythene pipe and by the prelaid GI fish wire and makingnecy. connection as required.	R.M	70		
7	Supplying and Drawing 1.1 KV single core stranded 'FR' PVC insulated & unsheathed single core stranded copper wire(Brand approved by EIC) of the 2x36/0.3 (2.5 sqmm) + 1x22/0.3 (1.5 sqmm) as ECC in the prelaidpolythene pipe and by the prelaid GI fish wire and makingnecy. connection as required.	R.M	400		
8	Supplying and Drawing 1.1 KV single core stranded 'FR' PVC insulated & unsheathed single core stranded copper wire (Brand approved by EIC) of the following sizes in the prelaid polythene pipe and by theprelaid GI fish wire and making necy. connection as required for 3 x 22/0.3 (1.5 sqmm)	R.M	100		
9	Cutting channel of 31 mm x 31 mm size on masonry wall incl. S&F heavy gauge polythene pipe dia of 13 mm dia 3 mm thick polythene pipe without earth continuity wire, by means of iron hooks and supplying and drawing 18 SWG GI Wire fish wire incl. mending good damages to building works	R.M	500		
10	S&F of full glow 2" x 2" high efficiency LED light fittings with all accessories incl ,(Philips make-RC38BLEDD) recessed in false ceiling by suitable hanging arrangement from ceiling and necessary connection as per direction of EIC.	Set.	7		
11	S & F of LED fittings in recessed mounting on false ceiling with necessary accessories and connection as per direction of EIC. (Cat No- Philips DN194B LED15S-6500PSUWH).	Set.	5		
12	S&F of twin LED lighting fittings (Cat no-TMC 501/2XT-LED22) with 2xT-LED 20 W lamp (Master LED tube 1200 mm 20W 840T8 I,Philips Make) with L-Clamp down road as to GS.	Nos.	4		
13	Extra for suspension exceeding 25 cm with S&F additional 2 no. 20 mm dia EI conduit (14 SWG) supports & necy. PVC insulated wire and painting etc. as required by 2x24/0.20 mm (1.5sqmm.) flexible copper wire of 1.10 mt. length.	R.M	4		
14	Finishing of the PVC insulated wire ends by socketting with pin/ ring type copper sockets and insulated tapes etc., including supplying sockets, tapes of 2.5sqmm	Set	50		
15	Supplying & Fixing MS fan clam of two piece type for RC ceiling as per approved specification, fabricated from 40 mm x 9 mm MS flat including making good damages to building roof with satisfactory finishing and painting – (As per Drawing no. 475 of PWD Specification Book – May 1991)	Each	2		
16	Supply & fixing of 1050 mm sweep A.C Ceiling fan complete with blade,canopy,frock, rubber bush, etc as required (Make Orient PSPO Summer cool)	Nos.	4		
17	Supply & Fixing Socket type fan regulator (Step type) (Brand approved by EIC) on existing sheet metal switch board with bakelite/perspex top cover by screw after making housing for regulator knob by cutting bakelite/perspex top cover incl. making necy. connections etc.	Nos.	4		
18	Supplying & Fixing GI Modular Switch Board of 12 Module complete with three no. suitable size Copper bar with holes (for Ph, N & E) fixed on bakelite/Hard Rubber insulator over the MS welded chairs incl. top cover flushed in wall for housing the board after cutting the brick wall incl. making earthing attachment, painting and mending good damages to building works.	Set.	2		

S.L. No.	Description of work	Unit	Qty.	Unit Rate (In Rs)	Amount (In Rs)
19	Supplying & Fixing GI Modular Switch Board of 8 Module complete with three no. suitable size Copper bar with holes (for Ph, N & E) fixed on bakelite/Hard Rubber insulator over the MS welded chairs incl. top cover flushed in wall for housing the board after cutting the brick wall incl. making earthing attachment, painting and mending good damages to building works.	Set.	2		
20	Supplying & Fixing GI Modular Switch Board of 6 Module complete with three no. suitable size Copper bar with holes (for Ph, N & E) fixed on bakelite/Hard Rubber insulator over the MS welded chairs incl. top cover flushed in wall for housing the board after cutting the brick wall incl. making earthing attachment, painting and mending good damages to building works.	Set.	4		
21	Supplying & Fixing GI Modular Switch Board of 4 Module complete with three no. suitable size Copper bar with holes (for Ph, N & E) fixed on bakelite/Hard Rubber insulator over the MS welded chairs incl. top cover flushed in wall for housing the board after cutting the brick wall incl. making earthing attachment, painting and mending good damages to building works.	Set.	2		
22	Supply & Fixing 240 V, 6 A Modular type switch (Brand approved by EIC) on existing GI Modular type switch board having top cover plate and making necessary connections as required	Each.	22		
23	Supply & Fixing 240 V 16 A Piano key type switch (Brand approved by EIC) on GI Modular type switch board having top cover plate and making necessary connections as required	Each.	5		
24	Supply & Fixing 240 V, 6A, 5 pin Modular type plug socket (Brand approved by EIC), without switch & plug top, on existing GI Modular type switch board with top cover plate and making necy. connections with PVC Cu wire and earth continuity wire etc.	Each	12		
25	Supply & Fixing 240 V, 16 A, 3 pin Modular type plug socket (Brand approved by EIC), without plug top and switch, on existing GI Modular type switch board with top cover plate and making necy. connections with PVC Cu wire and earth continuity wire etc.	Each	5		
26	S&F fan down rod in 3/4" (20mm) incl S/F 2 X 1.5 sq mm PVC flex cu wire & down rod painting etc ,as required as per instruction by E.I.C .PWD Estimate No-76/BECof 17-18	R.M	4		
27	Dismanteling the existing Electrical Installation as per the direction of Engineer Incharge and store the materials as per proper way.	Lot	1		
<b>TOTAL (In Rs)</b>					

To  
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Infrastructure Planning and Management  
IEST'S, Howrah-711103

I/WE agree to execute the work in accordance to requirement at the above quoted items rates for a total price of Rs-----  
----- (Rupees )

Authorized Signature:----- Dated:- Address:-

Name & Title of Signatory:

Name of the bidder and Seal:

**Notes:** 1) Quantities mentioned in the B.O.Q are as per estimate. Actual quantities may vary according to the requirement at site; payment will be made on pro-rata basis on actual executed quantity.

2) The bidder is advised to visit the site of work at his own expense and obtain all information that may be necessary for preparing the quotation. The Bidder enclosed attested copy of Trade License/GST No/Pan Card/ P Tax certificate and completion certificate of similar work and other document etc with the application.

## **Terms & Conditions:-**

1. To qualify for award of the contract the bidder should have valid electrical license for building electrification works and should have satisfactory completed at least one similar work of value not less than Rs 1,50,000.00
2. Quotation are to be submitted as per above mentioned format.
3. All rates quoted should be inclusive of all taxes, levies & duties. The rates should be quoted both in figures and words. Request for inclusion of any tax/levy at later stage will not be entertained.
4. Transportation, Packing, Forwarding and Insurance Charges if any to be charged should be specifically indicated.
5. The Institute reserves the right to accept or reject all or any of the tenders without assigning any reason whatsoever. The decision of the Institute shall be final in case of any dispute.
6. The work should be completed within 15 days of issuing of order.
7. A DD of Rs. 4000/- as EMD in favor of “Registrar, IEST, Shibpur” payable at Kolkata has to be submitted by the vendor/ supplier, without which quotation will be summarily cancelled. The EMD of the unsuccessful vendors will be refunded. The EMD of the successful vendor will be converted as performance security shall be valid until a “Period of Maintenance” for the work i.e 12 (twelve) months from the date of taking over possession. During the period of maintenance, the contractor will be responsible for rectifying any defects in construction free of cost to the Employer.
7. Materials & accessories supplied/used should be as per specification and of Approved Quality (B.I.S.) or by the authorised officer of I.I.E.S.T,Shibpur.
8. The work should be completed within stipulated period as indicated in the work-order. A Liquidated damages @ 0.5% per week, subject to maximum of 2% of the value of work-order, beyond which the Employer may cancel the Contract.
9. Bills in Triplicate should be presented for payment within 15days of supply/completion of work.
10. The Order no. is to be noted on both challan & Bill.
11. All bills are to be accompanied by order copies and challans as received.
12. Payment will be made within 60 days of Submission of proper bills, challans etc. by A/c payee cheque, no Cash payment will be made under any circumstances.
13. Date of submission of quotation is **20.02.2018 upto 1.00 p.m at the Office of the University Engineer.**
14. **Opening on 20.02.2018 at 1.30 pm at the office of the University Engineer.**

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