



# INDIAN INSTITUTE OF ENGINEERING SCIENCE AND TECHNOLOGY

Shibpur, P.O. Botanic Garden (Formerly Bengal Engineering and Science University)

HOWRAH (West Bengal, India)-711103

Phone: 033 26684561

## Notice Inviting Tender

Tender No: **24/AR.REG/22-23**

Date: **07.07.2022**

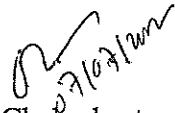
Sealed quotations are invited from bonafide Electrical Contractor, having valid electrical license for building electrification works for Patch repairing electrical work at Arch Department, Hostel No-10, Pandya Hall, M.N.Dastur Building and Quarter B-246 in the campus of IEST, Shibpur, Howrah-711103. The quotation will be received in the drop box.

<b>Important Information</b>	
Drop Box at	Stores and Purchase Section
Start date of tender Submission	08.07.2022
Time	Between 11:00 am and 5:00 pm (on all working days)
Last date of tender submission	18.07.2022 at 02:00 pm
Tender Opening date	<b>To be notified later via mail/phone/SMS by the office of the Superintending Engineer.</b>
Tender Opening place	

REGISTRAR

### 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 three patch repairing electrical works costing not less than the amount equal to Rs 85,000.00. Or b. Completed two patch repairing electrical works costing not less than the amount equal to Rs 1,00,000.00 Or c. Completed one patch repairing electrical work costing not less than 1,60,000.00
2. Quotation are to be submitted as per above mentioned format.
3. All rates quoted should be inclusive of all taxes, levies & duties and Labor Welfare Cess, 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. Materials & accessories supplied/used should be as per specification and of Approved Quality (B.I.S.) or by the authorised officer of IEST, 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 10% 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 **18.07.2022 up to 2:00 pm at the Stores & Purchase Section.**
14. **Date & place for opening of the tender will be notified later by the office of the Superintending Engineer.**

  
D. Chakrabarty  
Assistant Registrar  
Stores and purchase

Copy forwarded for information and necessary action to:

1. Institute Website
2. All Notice Board
3. Suptd. Engineer, IEST, Shibpur

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

**Name of Tender:-** *Patch repairing electrical work at Arch Department, Hostel No-10, Pandya Hall, M.N.Dastur Building and Quarter B-246 in the campus of IEST, 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 License No. :
8. Electrical License :
9. **GST No.** :
10. Quoted rate:  
(Use separate sheet, if required) :

**Bill of quantities for the work of: Patch repairing electrical work at Arch Department, Hostel No-10, Pandya Hall, M.N.Dastur Building and Quarter B-246 in the campus of IEST, Shibpur, Howrah-711103.**

S.L. No.	Description of work	Unit	Qty.	Unit Rate (In Rs)	Amount (In Rs)
1	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 with indicator & 16A kit-kat flush type fuse (Brand approved by EIC) on sheet metal switch board embedded in wall incl. S & F 240 x200 x65mm 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	24		
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	1		
3	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.	Each	3		
4	Supply & Fixing 240 V, 6A, plug socket with separate 6 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	10		
5	Distribution wiring in 1.1 KV single core stranded 'FR' PVC insulated & unsheathed copper wire 2 x 36/0.3 (2.5 sqmm) + 1 x 22/0.3 (1.5 sqmm) ECC (Brand approved by EIC) in 20mm size PVC rigid conduit 'FR' (Precision make) incl. necy. fittings as required	R.M	110		
6	S&F (2+14) way SPNMCBDB with double door in SS enclosure in concealed in wall with 63A DP MCB Isolator, and 6-32 A SP MCB 14 nos as reqd as to GS (Make Legrand Cat No- 6077-12)	Set	1		
7	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 8 mtr.	Points	19		
8	On Board Plug.	Points	1		
9	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	3		
10	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 cu wire.	Set	50		
11	Supply and fixing of 1200 mm sweep A.C ceiling fan complete with blades, canopy, fork, rubber bush etc. incl. S&F connecting wire for down rod upto 30 cm incl. painting the rod with approved paint and making necessary connection as required by 2x1.5 sqmm flexible copper wire.(Orient PSPO summer cool)	Each	3		
12	Supply & fixing Essential LED tube 20 W (Cat No-865 T8 IND I-2100 lm).(Make-Philips)	Each	9		
13	Supply fixing of 1200 mm LED Batten. Philips make.(Cat No- TMC-50IPIx TLED 22 W P3241)	Set	9		
14	Dismantling the existing Electrical Wiring Of room No-412 of Hostel No-10.	Lot	1		
15	Supplying & fixing sheet metal (16 SWG) Iron Clad Busbar chambers on angle iron frame on wall, incl. earthing attachment and painting as required – ( As per Drawing no. 470 of PWD Specification Book – May 1991) for 4 bars, 415 V, 200 A , Dimension of Al. bars [85mm long] 4 x 50x5mm , Dimension of Sheet Metal Box 500x150mm.	Set	1		
16	Supplying and fixing compression type gland complete with brass gland, brass ring & rubber ring for dust & moisture-proof entry of XLPE/PVC armoured cables of Size for 3½ core upto 70 sqmm	Each	1		
17	Finishing the end of following XLPE/PVC armoured cables by crimping method incl. supplying and fixing solderless socket (Dowels make), tapes, anticorrosive paste & jointing materials of cable size 3½ core 70 sqmm.	Set	1		
18	Supplying and fixing compression type gland complete with brass gland, brass ring & rubber ring for dust & moisture-proof entry of XLPE/PVC armoured cables of Size for 3½ core upto 35 sqmm	Each	1		
19	Finishing the end of following XLPE/PVC armoured cables by crimping method incl. supplying and fixing solderless socket (Dowels make), tapes, anticorrosive paste & jointing materials of cable size 3½ core 35 sqmm.	Set	1		
20	S&F (2+14) way SPNMCBDB with double door in SS enclosure in concealed in wall with 63A DP MCB Isolator, and 6-32 A SP MCB 14 nos as reqd as to GS (Make Legrand Cat No- 6077-12)	Set	1		
21	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 the prelaid GI fish wire and making necy. connection as required 2x84/0.3 (6 sqmm) + 1x56/0.3 (4 sqmm) as ECC	R.M	25		
22	Cutting Channel of size (43 mm x 43 mm) on masonry wall by Electric operated cutting machine incl. supplying & fixing heavy gauge 25 mm, 3 mm thick Polythene pipe by means of anchoring chemical (Hilti/Sika) and GI 'U' hooks of 8 SWG incl. supplying and drawing 18 SWG GI wire as Fish wire and mending good damages to original finish by using own tools and tackles for 25 mm dia 3 mm thick polythene pipe without earth continuity wire.	R.M	25		
23	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 8 mtr.	Points	17		

S.L. No.	Description of work	Unit	Qty.	Unit Rate (In Rs)	Amount (In Rs)
24	On Board Plug.	Points	1		
25	Supply & Fixing 240 V, 6A, plug socket with separate 6 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	12		
26	Supply and fixing of 1200 mm sweep A.C ceiling fan complete with blades, canopy, fork, rubber bush etc. incl. S&F connecting wire for down rod upto 30 cm incl. painting the rod with approved paint and making necessary connection as required by 2x1.5 sqmm flexible copper wire.(Orient PSPO summer cool)	Each	5		
27	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.	Each	5		
28	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	3		
29	Supplying & Fixing iron beam fan clamp of two piece type, as per approved specification, fabricated from 40 mm x 9 mm MS sheet flat suitable for beam having flange upto 150 mm wide – (As per Drawing no. 476 of PWD Specification Book – May 1991)	Each	2		
30	Supply only 300 mm sweep 900 RPM Heavy Duty Exhaust Fan (Orient)	Nos	1		
31	Supply & Fixing angular batten holder (Anchor) on 75mm dia PVC round block / round bakelite on wall/ceiling.	Each	2		
32	Fixing only exhaust fan after making hole in wall and making good damages and smooth cement finish etc. as practicable as possible and providing necy. length of PVC insulated wire and making connection for exhaust of following diameter of 30 cm (12")	Each	1		
33	Fixing only louver shutter/cowl on wall with necy. bolts & nuts (6 mm dia x 62 mm long) for 30 cm (12") Exhaust fan	Each	1		
34	Supply & fixing Essential LED tube 20 W (Cat No-865 T8 IND I-2100 lm).(Make-Philips)	Each	9		
35	Supply fixing of 1200 mm LED Batten. Philips make. (Cat No- TMC-501P1x TLED 22 W P3241)	Set	9		
36	Distribution wiring in 1.1 KV single core stranded 'FR' PVC insulated & unsheathed copper wire 2 x 36/0.3 (2.5 sqmm) + 1 x 22/0.3 (1.5 sqmm) ECC (Brand approved by EIC) in 20mm size PVC rigid conduit 'FR' (Precision make) incl. necy. fittings as required	R.M	110		
37	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 the prelaid GI fish wire and making necy. connection as required for 3x126/0.4 (16 sqmm) + 2x80/0.4 (10 sqmm) as ECC	R.M	35		
38	Supplying and fixing PVC Rigid Conduit 'FR' [Precision Make] on wall, ceiling with saddles and other accessories as required and mending good damages to building works of 25mm size.	R.M	35		
39	Supplying and fixing 4 Way MCB SS enclosure with IP-20/30 protection, powder coated provision for two/four pole MCB, concealed in wall after cutting the wall & mending good the damages to original finish incl. painting, connection & provision for earthing attachment	Each	1		
40	Supplying and fixing 415 V,63 A FP MCB (Legrand) of Breaking capacity 10kA & C characteristics on din rail of existing DBs and necessary connection.	Each	1		
41	Finishing of the PVC insulated 16sqmm cu wire ends by socketting with pin/ ring type copper sockets and insulated tapes etc., including supplying sockets, tapes.	Set	8		
42	Cutting Channel of size (43 mm x 43 mm) on masonry wall by Electric operated cutting machine incl. supplying & fixing heavy gauge 25 mm, 3 mm thick Polythene pipe by means of anchoring chemical (Hilti/Sika) and GI 'U' hooks of 8 SWG incl. supplying and drawing 18 SWG GI wire as Fish wire and mending good damages to original finish by using own tools and tackles of 25 mm dia 3 mm thick polythene pipe without earth continuity wire.	R.M	27		
43	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 the prelaid GI fish wire and making necy. connection as required for 2x56/0.3 (4 sqmm) + 1x36/0.3 (2.5 sqmm) as ECC	R.M	27		
44	Supply & Fixing 240 V, 25 A, 3 pin Modular type plug socket (Brand approved by EIC), without plug top and switch with 2 Module GI Modular type switch board with top cover plate flushed in wall and making necy. connections with PVC Cu wire and earth continuity wire etc.	Each	1		
45	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		
46	Supply & Fixing 240 V,25 A, 3 pin Modular type plug top with indicator (Brand approved by EIC) & necy. Connections.	Each	1		
47	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		
48	Finishing of the PVC insulated wire ends by socketting with pin/ ring type copper sockets and insulated tapes etc., including supplying sockets, tapes of 4 sqmm.	Set	50		
49	Finishing of the PVC insulated wire ends by socketting with pin/ ring type copper sockets and insulated tapes etc., including supplying sockets, tapes of 6 sqmm.	Set	25		
<b>TOTAL (In Rs)</b>					

To  
The Assistant Registrar  
Stores and Purchase  
IIEST'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.*