



Notice Inviting Tender

Tender No: **01/AR.REG/22-23**

Date: **11.04.2022**


Sealed quotations are invited from bonafide Electrical Contractor, having valid electrical license for building electrification works for **Patch repairing electrical work at Heat Treatment Laboratory in Foundry Shop and Micro/Nano System Laboratory of Metallurgy and Materials Engineering Department of IEST, Shibpur, Howrah-711103.** The quotation will be received in the drop box.

Important Information	
Drop Box at	Stores and Purchase Section
Start date of tender Submission	11.04.2022
Time	Between 11:00 am and 5:00 pm (on all working days)
Last date of tender submission	20.04.2022 at 02:00 pm
Tender Opening date	To be notified later via mail/phone/SMS by the office of the Superintending Engineer.
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 78,000.00. Or b. Completed two patch repairing electrical works costing not less than the amount equal to Rs 98,000.00 Or c. Completed one patch repairing electrical work costing not less than 1,57,000.00
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 what so ever. 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 **20.04.2022 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 Heat Treatment Laboratory in Foundry Shop and Micro/Nano System Laboratory of Metallurgy and Materials Engineering Department 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 Heat Treatment Laboratory in Foundry Shop and Micro/Nano System Laboratory of Metallurgy and Materials Engineering Department of IEST, Shibpur, Howrah-711103.

S.L. No.	Description of work	Unit	Qty	Unit Rate (In Rs)	Amount (In Rs)
1	Supply only XLPE (1.1 KV grade) Armoured Al/Ar Cable of size 4 core 50 sq mm.(polycab/gloster/ crystal)	R.M	40		
2	Supplying and fixing compression type gland complete with brass gland, brass ring & rubber ring for dust & moisture-proof entry of 4 core 50 sq mm XLPE armoured cables .	Each	2		
3	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 for 4 core 50 sq mm XLPE/PVC armoured cables	Each	2		
4	Laying of cable above 3½ core 50 sqmm and upto 3½ core 90 sqmm on wall/ surface including S & F MS clams with earthing attachment in 2 x 10 SWG GI (Hot Dip) Wire, making hole etc. As necy., mending good damages and painting	R.M	30		
5	Laying of one No. cable above 35 sqmm and upto 185 sqmm in underground trench 460mm wide x 760mm average depth, with brick protection on the top of the cable with 8 (eight) Nos. bricks per Mtr. including filling the space between the bricks and cable and also the trenchwith shifted soil, leveling up and restoring surface duly rammed.	R.M	5		
6	Supplying & fixing 50 mm dia medium gauge GI Pipe (ISI-Medium) Protection with necessary fittings and jointing metarials as required	R.M	5		
7	Laying only Cable above 50 sqmm but not exceeding 400sqmm through existing RCC/ Hume/GI Pipe/open masonry trench for single, 2, 3, 3½ and 4 core	R.M	5		
8	Distribution wiring in 1.1 KV single core stranded 'FR' PVC insulated & unsheathed copper wire (Brand approved by EIC) in 25mm size PVC rigid conduit 'FR' (Precision make) incl. necy. fittings as required for 4 x 84/0.3 (6 sqmm) + 2 x 56/0.3 (4 sqmm) ECC.	R.M	40		
9	Distribution wiring in 1.1 KV single core stranded 'FR' PVC insulated & unsheathed copper wire (Brand approved by EIC) in 20mm size PVC rigid conduit 'FR' (Precision make) incl. necy. fittings as required for 2 x 56/0.3 (4 sqmm) + 1 x 36/0.3 (2.5 sqmm) ECC.	R.M	110		
10	Distribution wiring in 1.1 KV single core stranded 'FR' PVC insulated & unsheathed copper wire (Brand approved by EIC) in 20mm size PVC rigid conduit 'FR' (Precision make) incl. necy. fittings as required for 2 x 84/0.3 (6 sqmm) + 1 x 56/0.3 (4 sqmm) ECC	R.M	20		
11	Supplying and fixing MCB SS enclosure 2 way 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	2		
12	Supplying and fixing MCB SS enclosure 4 way 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	4		
13	Supplying and fixing 32A, 415 V TPN MCB(Legrand) of Breaking capacity 10kA & C characteristics on din rail of existing DBs and necessary connection.	Each	2		
14	Supplying and fixing 6-32 A ,240 V DP MCB (Legrand) of Breaking capacity 10kA & C characteristics on din rail of existing DBs and necessary connection.	Each	7		
15	Supplying & Fixing Industrial Plug & Socket board with 240 V, 32 A, DP & Earth Metal Industrial Plug socket & 20A Industrial top incl.conection.(Make Legrand CAT No-507863)	Each	3		
16	Finishing of the PVC insulated wire ends by socketting with pin/ ring type 2.5sqmm copper sockets and insulated tapes etc., including supplying sockets, tapes.	Set	40		
17	Finishing of the PVC insulated wire ends by socketting with pin/ ring type 4 sqmm copper sockets and insulated tapes etc., including supplying sockets, tapes.	Set	60		
18	Finishing of the PVC insulated wire ends by socketting with pin/ ring type 6 sqmm copper sockets and insulated tapes etc., including supplying sockets, tapes.	Set	35		
19	Earthing with 50 mm dia GI pipe 3.64 mm thick x 3.04 Mts. long and 1x 4 SWG GI (Hot Dip) wire (4 Mts. long), 13 mm dia x 80 mm long GI bolts, double nuts, double washers incl. S & F 15 mm dia GI pipe protection (1 Mts. long) to be filled with bitumen partly under the ground level and partly above ground to an average depth of 3.65 Mts. below the ground (By TATA Medium)	Set	2		

S.L. No.	Description of work	Unit	Qty	Unit Rate (In Rs)	Amount (In Rs)
20	Connecting the equipments body to earth busbar including S&F 20 mm x 3 mm galvanised (Hot Dip) MS flat on wall/floor with GI saddles as required and connection to equipments incl. drilling holes, with bolts, nuts, washers etc.	Mtr	50		
21	Supplying & fixing earth busbar of galvanized (Hot Dip) MS flat 25 mm x 6 mm on wall having clearance of 6 mm from wall including providing drilled holes on the busbar complete with GI bolts, nuts, washers, spacing insulators etc. as required	Mtr	1		
22	Supplying and fixing double door 8-Way Vertical TPN MCB Distribution board for MCCB incomer with IP-42/43 protection, on angle iron frame on wall & mending good the damages to original finish incl. Inter connection with suitable size of copper wire and neutral link & provision for earthing attachment (Legrand) Incommer- 125 Amps, 4 pole MCCB- 01 Nos.(Legrand) Outgoing - (a) 32 Amps, TP MCB- 03 Nos (Legrand) (b) 6-32 Amps SP MCB - 15 Nos.	Set	1		
23	Distribution wiring in 2 x 22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed copper wire (Brand approved by EIC) in 20mm size PVC rigid conduit 'FR' (Precision make), 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 cum JB on wall complete with 2 no. suitable size "Ph & N" copper bar incl. bakelite/Perspex (wall matching color) top cover 3 mm thick and incl. 175mmx100mmx65mm inspection box, making earthing attachment, painting the MS box and mending good the damages to original finish (Average run 8 mtr)	Point	3		
24	On Board	Point	1		
25	&F (2+12) way SPNMCBDB with double door in SS enclosure in conceal 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		
26	Distribution wiring in 1.1 KV single core stranded 'FR' PVC insulated & unsheathed copper wire (Brand approved by EIC) in 20mm size PVC rigid conduit 'FR' (Precision make) incl. necy. fittings as required for 2 x 84/0.3 (6 sqmm) + 1 x 56/0.3 (4 sqmm) ECC	R.M	30		
27	Distribution wiring in 1.1 KV single core stranded 'FR' PVC insulated & unsheathed copper wire (Brand approved by EIC) in 25mm size PVC rigid conduit 'FR' (Precision make) incl. necy. fittings as required for 4 x 84/0.3 (6 sqmm) + 2 x 56/0.3 (4 sqmm) ECC	R.M	35		
28	Distribution wiring in 1.1 KV single core stranded 'FR' PVC insulated & unsheathed copper wire (Brand approved by EIC) in 20mm size PVC rigid conduit 'FR' (Precision make) incl. necy. fittings as required for 2 x 36/0.3 (2.5 sqmm) + 1 x 22/0.3 (1.5 sqmm) ECC	R.M	70		
29	Finishing of the PVC insulated wire ends by socketting with pin/ ring type copper sockets and insulated tapes etc including supplying sockets, tape for 2.5sqmm.	Set	15		
30	Finishing of the PVC insulated wire ends by socketting with pin/ ring type copper sockets and insulated tapes etc., including supplying sockets, tape for 4 sqmm.	Set	15		
31	Finishing of the PVC insulated wire ends by socketting with pin/ ring type copper sockets and insulated tapes etc., including supplying sockets, tape for 6 sqmm.	Set	15		
32	Supply & fixing wall fan (400 mm sweep) complete with blades etc. as required complete (Make-Orient/CG-Wall -47 High Speed)	Nos	1		
33	Supply & fixing Essen tial LED tube 20 W (Cat No-865 t8 IND I-2100 lm).(Make-Philips)	Each	2		
34	Supply fixing of 1200 mm LED Batten. Philips make Cat No- TMC-501P1x TLED 22 W P3241.	Set	2		
35	Supplying & Fixing Industrial Plug & Socket board with 415 V, 32 A, TPN & Earth Metal Industrial Plug socket & 32A Industrial top incl. connection.(Make Legrand)	Each	1		
36	Supplying and fixing 32A,415 V TPN MCB(Legrand) of Breaking capacity 10kA & C characteristics on din rail of existing DBs and necessary connection.	Each	1		
37	Distribution wiring with 2 x 56/0.3 (4 sqmm) + 1 x 36/0.3 (2.5 sqmm) ECC as single core stranded 'FR'PVC insulated & unsheathed copper wire (Brand approved by EIC) in 19mm size polythene pipie with conceal incl. necy. fittings as required.	R.M	35		

S.L. No.	Description of work	Unit	Qty.	Unit Rate (In Rs)	Amount (In Rs)
38	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.	Set	1		
39	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		
40	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	3		
TOTAL (In Rs)					

To
Assistant Registrar
Stores and Purchase
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.