



Notice Inviting Tender

Tender No: 06/AR.REG/22-23

Date: 25.04.2022

Scaled quotations are invited from bonafide Electrical Contractor, having valid electrical license for building electrification works for Patch repairing electrical work at Hostel No-8, 9, Department of Mechatronics and Robotics and Joining Lab 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 | 26.04.2022 |
| Time | Between 11:00 am and 5:00 pm (on all working days) |
| Last date of tender submission | 09.05.2022 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 75,000.00. Or b. Completed two patch repairing electrical works costing not less than the amount equal to Rs 93,000.00 Or c. Completed one patch repairing electrical work costing not less than 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 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 **09.05.2022 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 Hostel No-8 , 9, Department of Mechatronics and Robotics and Joining Lab 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 Hostel No-8 , 9, Department of Mechatronics and Robotics and Joining Lab 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 | 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 30 cm (12") | Each | 8 | | |
| 2 | Supply & Fixing louver shutter on wall with necy. bolts & nuts (6 mm dia x 62 mm long) For Al of 30 cm Exhaust fan (12") | Each | 8 | | |
| 3 | Supply only of heavy duty 1420 rpm 300 mm sweep Exhaust Fan. (EPC make/ Equivalent) | Nos | 8 | | |
| 4 | Supply only 1.1 KV grade Al Armoured Cable of 2 core 10 Sq mm.(Glostar/Polycab/KEI) | R.M | 200 | | |
| 5 | Supplying and fixing compression type gland complete with brass gland, brass ring & rubber ring for dust & moisture-proof entry of XLPE/PVC armoured cables for 2 core 10 sq mm. | Each | 16 | | |
| 6 | 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 2 core 10 sqmm cable | Set | 16 | | |
| 7 | Supplying & Fixing GI waterproof type looping cable box size 200x 150x 100 mm deep having 4 mm thick comprising of one 250 V 15 A kit-kat fuse unit, one NL on porcelain insulator, one compression type brass cable gland for upto 2- core 16 sqmm PVC/A cable and having lined with rubber gasketed GI top cover with brass machine screws etc., earthing terminal with lug, on steel tubular pole near base, including S&F 40x6 mm thick, MS clamps with bolts, nuts etc. including painting with anticorrosive | Set | 8 | | |
| 8 | Supplying & Fixing sheet metal inspection box (16 SWG) of the 200 mm x 150 mm x 65 mm flushed in wall by housing the same after cutting brick wall incl. making earthing attachment, painting and mending good damages to building works | Each | 1 | | |
| 9 | Supply & Fixing bakelite / perspex top cover on existing switch board by Brass screws after making housing for switch by cutting bakelite / perspex cover and making necessary connections as required of 200 mm x 150 mm x 65 mm | Each | 1 | | |
| 10 | Fixing only starters (for motor control) on flat iron frame on wall .Direct on Line starter for motor (upto 5 HP) | Each | 1 | | |
| 11 | Supply only Direct on Line starter for motor (L&T) for control the 3 nos LED fittings on angle iron frame. Cat No-CS90319KOAD | Set | 1 | | |
| 12 | Fixing outdoor type fluorescent/SV/MV light fitting on pole including S&F 40 mm dia x 1.68 mts. long GI Pipe (ISI-Medium) bracket with 40 mmx10 mm thick, MS clamp etc. and providing wiring with 2x1/1.40 PVC insulated and sheathed wire (single core) from loop box at the base of pole to light fitting through pole & bracket (without control switch) including making connections & painting. | Set | 4 | | |
| 13 | 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. 175x 100 x65mm 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]. | Points | 3 | | |
| 14 | 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 | | |
| 15 | 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 | | |
| 16 | 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 | | |
| 17 | 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 | 4.5 | | |
| 18 | Supplying and fixing double door 6-Way, Horizontal TPN MCB Distribution board with IP-42/43 protection, concealed in wall after cutting the wall & mending good the damages to original finish incl. Inter connection with suitable size of copper wire and neutral link & provision for earthing attachment. a. Incommer 63 A, 415 V 4 pole Isolator (Legrand) of Breaking capacity 10kA . b . outgoing feeder (6-32) Amps SP MCB (Legrand) of Breaking capacity 10 KA & C characteristics- 18 nos.(Make-Legrand) | Set | 1 | | |
| 19 | Supply only XLPE (1.1 KV grade) Armoured Al/Ar Cable of size 4 core 25 sq mm.(polycab/ gloster/ crystal) | R.M | 35 | | |
| 20 | Supplying and fixing compression type gland complete with brass gland, brass ring & rubber ring for dust & moisture-proof entry of 4 core 25 sq mm XLPE/PVC armoured cables . | Each | 2 | | |
| 21 | 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 25 sq mm XLPE/PVC armoured cables . | Each | 2 | | |
| 22 | 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 | 35 | | |
| 23 | 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 | 70 | | |

| | | | | | |
|----------------------|--|------|------|-------------------|----------------|
| 24 | 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 | 90 | | |
| S.L. No. | Description of work | Unit | Qty. | Unit Rate (In Rs) | Amount (In Rs) |
| 25 | 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 | | |
| 26 | 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 | | |
| 27 | Supplying and fixing 25 A ,240 V DP MCB (Legrand) of Breaking capacity 10kA & C characteristics on din rail of existing DBs and necessary connection. | Each | 2 | | |
| 28 | 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 | 20 | | |
| 29 | 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 | 40 | | |
| 30 | 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 | | |
| 31 | Supplying & Fixing Industrial Plug & Socket board with 415 V, 32 A, TPN & Earth Metal Industrial Plug socket & 32A Industrial top ncl. connection. (Make Legrand) | Each | 2 | | |
| 32 | Supply & Fixing 240 V, 2 nos. 6A, & 2 nos. 20A plug socket with separate 2 nos. 6 A & 2 nos. 20A Piano key type switch, indicator & 16A kit-kat flush type fuse (Brand approved by EIC) on sheet | Each | 4 | | |
| 33 | Supplying and fixing PVC Rigid Conduit of 20 mm size 'FR' [Precision Make] on wall, ceiling with saddles and other accessories as required and mending good damages to building works. | R.M | 50 | | |
| 34 | Supplying and fixing PVC Rigid Conduit of 25 mm size 'FR' [Precision Make] on wall, ceiling with saddles and other accessories as required and mending good damages to building works. | R.M | 25 | | |
| 35 | Supplying & Fixing sheet metal inspection box (16 SWG) of the following sizes flushed in wall by housing the same after cutting brick wall incl. making earthing attachment, painting and mending good damages to building works for size of 200 mm x 150 mm x 65 mm | Each | 4 | | |
| 36 | Supply & Fixing bakelite / perspex top cover on existing switch board by Brass screws after making housing for switch by cutting bakelite / perspex cover and making necessary connections as required of size 200 mm x 150 mm x 65 mm. | Each | 4 | | |
| 37 | Supplying & Fixing GI Modular Switch Board of 2 Module sizes complete with top cover plate 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 | 6 | | |
| TOTAL (In Rs) | | | | | |

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.