

INDIAN INSTITUTE OF ENGINEERING SCIENCE AND TECHNOLOGY

SHIBPUR, P.O. Botanic Garden (Formerly Bengal Engineering And Science University)

HOWRAH (West Bengal, India)-711103

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Tender No:- 68/DY.REG./19-20

Date:-16.01.2020

Notice Inviting Tender

Sealed quotations are invited from bonafide Electrical Contractor, having valid electrical license for building electrification works for Patch repairing electrical work at proposed Web Cell (Room No- U-822) of 8 -storied buildings, Timer Switch to control the Main Display Board Near Guest House, Professor sitting room of Physics Department, and numerical Lab of Mathematics Department of IEST, Shibpur, Howrah-711103.

The quotation will be received in the Drop Box at the Office of the Registrar (Stores & Purchase section) between 11.00 a.m and 5.00 p.m on all working days latest by 23.01.2020 up to 2 p.m. Opening at the Office of the University Engineer on 24.01.2020 at 1.30 p.m..

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 completed satisfactorily at least one similar work of value not less than Rs 50,000.00
2. Quotation is to be submitted as per attached format given below.
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 the 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 specifications and of Approved Quality (B.I.S.) or by the authorized 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 15 days of supplying/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 /NEFT. no Cash payment will be made under any circumstances.

Dy. Registrar
(Store &Purchase)
IEST, Shibpur

Copy forwarded for information and necessary action to:

1. Institute Website,
2. 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 proposed Web Cell (Room No- U-822) of 8 -storied buildings, Timer Switch to control the Main Display Board Near Guest House, Professor sitting room of Physics Department, and numerical Lab of Mathematics Department..

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.** :
10. Quoted rate:
(Use separate sheet, if required)

Bill of quantities for the work of: Patch repairing electrical work at proposed Web Cell (Room No- U-822) of 8 - storied buildings, Timer Switch to control the Main Display Board Near Guest House, Professor sitting room of Physics Department, and numerical Lab of Mathematics Department.

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 8 mtr.	Points	42	5320.00	
2	On Board.	Points	1		
3	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		
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	Distn. wiring with 2 x 36/0.3 (2.5 sqmm) single core stranded copper conductor PVC insulated and unsheathed copper wire (Brand approved by EIC) in 19mm dia 3 mm thick polythene pipe with 1x22/0.3 (1.5sqmm) PVC insulated and unsheathed coper wire as ECC, complete with all accessories embedded in wall (for 15 A plug point/exhaust fan point)	R.M	130		
6	Supplying and Drawing 1.1 KV single core stranded 'FR' PVC insulated & unsheathed single core stranded copper wire (Brand approved by EIC) of 2x56/0.3 (4 sqmm) + 1x36/0.3 (2.5 sqmm) as ECC in the prelaidd polythene pipe and by the prelaidd GI fish wire and making necy. connection as required.	R.M	30		
7	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	R.M	30		
8	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 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	5		
9	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	2		
10	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		
11	Fixing only 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.	Each	2		
12	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		
13	Finishing of the PVC insulated wire ends by socketting with pin/ ring type copper sockets and insulated tapes etc., including supplying sockets, tapes.				
13(a)	2.5sqmm	Set	30		
13(b)	4 sqmm	Set	10		
14	S&F (2+14) way SPNMCBDB with double door in SS enclosure in conlead 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		
15	Supply and fixing 22 W LED tube light fittings with Lamp (Philips Cat No- TMC 501 P 2XT-LED 22W P3242)	Set	2		

16	Supply & fixing 1200 mm sweep A.C. ceiling fan complete with blades, canopy, fork, rubber bush etc. as required complete (Make Orient P.S.P.O Summer cool).	Nos.	1		
S.L. No.	Description of work	Unit	Qty.	Unit Rate (In Rs)	Amount (In Rs)
17	Dismanteling the existing Electrical Installation of 8th floor room no U-822 with Chair man Chamber as per the direction of Engineer Incharge and store the materials as per proper way.	Lot.	1		
18	Supply and fixing of one no 3 phase controller with sequencial Digital Timer incl S/F of 1 nos 40 A Contractor, 1 no 63A TP MCB ,(3 NO & 3 NC) with ncess connection cu wire as required which fixed in (2+6) way SPN MCB DB concealed in wall as req. Set.	Set	1		
19	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.	6		
20	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	6		
21	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 240x 200x 65mm 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		
22	Extra for supplying additional wire for down rod & painting the rod exceeding 30 cm by 2x1.5 sqmm flexible copper wire.	R.M	25		
23	Fixing only ceiling fan complete with blades, canopy, fork, rubberbush etc. incl. S&F connecting wire for down rod upto 30 cm incl.painting the rod with approved paint and making necessaryconnection as required by 2x1.5 sqmm flexible copper wire.	Each	10		
24	Supply and fixing of essential instant 18W 2100 lm 6500 K (Glass casing) LED Tube Lamp on the existing Tube light Fittings.(Philips T8)	Nos.	11		
25	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. Incommmer 63 A, 415 V TPN MCB (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		
26	Distribution wiring with 2 x 36/0.3 (2.5 sqmm) + 1 x 22/0.3 (1.5 sqmm) ECC as single core stranded FR'PVC insulated & unsheathed copper wire (Brand approved by EIC) in 19 mm size polythene pipe incl. necy. fittings as required.	R.M	40		
27	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 incl. necy. fittings as required.	R.M	140		
28	Finishing the end of 4 core 25 sqmm cable XLPE/PVC armoured cables by crimping method incl. supplying and fixing solderless socket (Dowels make), tapes, anticorrosive paste & jointing materials	Set	2		
29	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 25 sqmm.	Set	2		
30	Laying of cable from 3/3½ core 35 sqmm to 50 sqmm on wall/surface incl. S & F MS saddles with earthing attachment in 2 x 10 SWG GI (Hot Dip) Wire, making holes etc. as necy., mending good damages and painting.	R.M	30		
31	Supply only XLPE (1.1 KV grade) Armoured Al Cable of size 4 core 25 sq mm.	R.M	30		
32	Supplying and fixing MCB 4 Way 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	Set	1		
33	Supplying and fixing 415 V, 63 Amps, MCB of Breaking capacity 10kA & C characteristics on din rail of existing DBs and necessary connection	Nos.	1		
34	Supplying and Drawing 1.1 KV single core stranded FR' PVC insulated & unsheathed single core stranded copper wire (Brand approved by EIC) of 4x126/0.4 (16 sqmm) + 2x80/0.4 (10 sqmm) as ECC in the prelaid polythene pipe and by the prelaid GI fish wire and making necy. connection as required.	R.M	2.5		
35	Finishing of the PVC insulated wire ends by socketting with pin/ring type copper sockets and insulated tapes etc., including supplying sockets, tapes.				
35(a)	2.5sqmm.	Set	20		
35(b)	4 sqmm.	Set	60		
35(c)	10sqmm.	Set	4		

35(d)	16sqmm.	Set	8		
S.L. No.	Description of work	Unit	Qty.	Unit Rate (In Rs)	Amount (In Rs)
36	Supply and fixing of recessed mounted 15 Watt LED panel type Light fittings.Cat No-DCAP015C0901(Magik make)	Set	6		
37	Supply and fixing of recessed mounted 15 Watt LED panel type Light fittings.Cat No-DCAP022C0907(Magik make)	Set	5		
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	2		
39	Distribution wiring in 1.1 KV single core stranded 'FR' PVC insulated & unsheathed copper wire (Brand approved by EIC) 2 x 36/0.3 (2.5 sqmm) + 1 x 22/0.3 (1.5 sqmm) ECC in 20mm size PVC rigid conduit 'FR' (Precision make) incl. necy. fittings as required.	R.M	26		
40	Distribution wiring in 1.1 KV single core stranded 'FR' PVC insulated & unsheathed copper wire (Brand approved by EIC) 2 x 56/0.3 (4 sqmm) + 1 x 36/0.3 (2.5 sqmm) ECC in 20mm size PVC rigid conduit 'FR' (Precision make) incl. necy. fittings as required	R.M	8		
41	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 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	Set	2		
42	Finishing of the PVC insulated wire ends by socketting with pin/ ring type copper sockets and insulated tapes etc., including supplying sockets, tapes.				
42(a)	2.5sqmm.	Set	20		
42(b)	4 sqmm.	Set	8		
TOTAL (In Rs)					

To
Deputy Registrar
Store 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.