

**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 26681503, 033 26684561

Fax: 033 26682916

Tender No:- 04/DY.REG./20-21

Date:-17.07.2020

Notice Inviting Tender

Sealed quotations are invited from bonafide Electrical Contractor, having valid electrical license for building electrification works for Renovation of Electrical Installation at Server Room (1st floor of Main Buildings) of Electrical Engineering 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 27.07.2020 up to 2 p.m. Opening at the Office of the University Engineer on 28.07.2020 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: Renovation of Electrical Installation at Server Room (1st floor of Main Buildings) of Electrical 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 Licence No. :
8. Electrical Licence :
9. **GST No.** :
10. Quoted rate:
(Use separate sheet, if required)

Bill of quantities for the work of: Renovation of Electrical Installation at Server Room (1st floor of Main Buildings) of Electrical Engineering Department of IEST, Shibpur, Howrah-711103.

S.L. No.	Description of work	Unit	Qty.	Unit Rate (In Rs)	Amount (In Rs)
1	Supplying and fixing 4 way double door Vertical TPN MCB Distribution board ,Enclosure (607913) 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. Incomer 40Amps TPN MCB-01 Nos. Outgoing feeder- 6-32 Amps TPN MCB-01 Nos and SP MCB-9 nos. all component are Legrand make.	Set.	1		
2	Supplying and fixing double-door (2+12) way SPN MCB Distribution Board (Legrand) 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. Incomer 40 Amps, DP MCB-01 Nos. Out going feeder- 6-32 Amps SP MCB 12 nos	Each	2		
3	Supplying and fixing 40 Amps, 415 V,FP MCB(Legrand) of Breaking capacity 10kA & C characteristics on din rail of existing DBs and necessary connection with supplying and fixing 4 way MCB SS enclosure (Legrand) 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		
4	Supplying and fixing 40 Amps, 415 V, DP MCB(Legrand) of Breaking capacity 10kA & C characteristics on din rail of existing DBs and necessary connection with supplying and fixing 4 way MCB SS enclosure (Legrand) 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		
5	Distribution wiring in I.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 sq mm) 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)	Point s	6		
6	Supply & Fixing 240 V, 4 nos. 20A plug socket with separate 4 nos. 20A Piano key type switch, indicator & 16A kit-kat flush type fuse (approved make) on sheet metal switch board embedded in wall incl. S & F 300x200x65mm 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	4		
7	Supply & Fixing 240 V, 4 nos. 6A, plug socket with separate 4 nos. 6 A Piano key type switch, indicator & 16A 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	12		
8	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	3		
9	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 ontinuity wire etc.	Each	3		
10	Supplying and Laying of 2 x2.5 sq mm + 1x2.5 sq mm cu wire through 19 mm bore polythene pipe concealad in walla sto GS (Comp)	RM	220		
11	Supplying and Laying of 2 x 4 sq mm + 1x2.5 sq mm cu wire through 25 mm bore polythene pipe concealad in walla sto GS (A.C).	RM	70		
12	Supplying and Laying of 3x84/0.3 (6 sq mm) + 2x56/0.3 (4 sqmm) as ECC through 25 mm bore polythene pipe concealad in walla sto GS (Industrial Socket).	RM	25		
13	Supplying and Laying of 2x84/0.3 (6 sq mm) + 1x56/0.3 (4 sq mm) as ECC through 25 mm bore polythene pipe concealad in walla sto GS (Industrial Socket).	RM	25		
14	Cutting channel of 40 mm x 40 mm size on masonry wall incl. S&F heavy gauge polythene pipe dia 19 mm dia 3 mm thick polythene pipe without earth continuity wire, by means of iron hooks and supplying and drawing 18 SWG GI Wire as fish wire incl. mending good damages to building works	RM	150		
15	Supplying & Fixing sheet metal inspection box (16 SWG) of 100 mm x 100 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	12		
16	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		
17	Supply & Fixing 240 V, 20 A Piano key type switch (Brand approved by EIC) on sheet metal switch board incl. S & F 100x100x65mm 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		
18	Supply and fixing of fully diffused recessed mounted 2' x 2' LED luminaire (Philips cat No- RC380BLED365-6500 G4 L60 W60 PSU OD) with LED lamp, L-Clamp,chair etc as required.	Set	5		

S.L. No.	Description of work	Unit	Qty.	Unit Rate (In Rs)	Amount (In Rs)
19	Laying of cable upto 3/4 core 25 sqmm on wall/surface incl. S & F MS saddles with earthing attachment in 10 SWG GI (Hot Dip) Wire, making holes etc. as necy. mending good damages and painting.	RM	40		
20	Supply only 1.1 KV Gr 4 core x 25 sq mm XLPE/PVC/A Ar Cable with necy earthing attachment with 2 nos 10 SWG GI wire embeded in wall incl mending good the damages as to GS.	RM	40		
21	Supplying and fixing compression type gland complete with brass gland, brass ring & rubber ring for dust & moisture-proof entry of XLPE/PVC armoured cables with end finishing for 4 core 25 sqmm.	Nos	2		
22	Finishing the end of 4 core 25 sq mm XLPE/PVC armoured cables by crimping method incl. supplying and fixing solderless socket (Dowels make), tapes, anticorrosive paste & jointing materials	Set	2		
23	Finishing of the PVC insulated wire ends by socketting with pin/ring type copper sockets and insulated tapes etc., including supplying sockets, tapes.				
23a	2.5sqmm cu wire.	Nos	50		
23b	4 sqmm cu wire.	Nos	50		
23c	6 sqmm cu wire.	Nos	40		
24	Supply and fixing of two no A.C controller with sequncial Digital Timer incl S/F of 2 nos 40 A Contractor, 1 no 25A DP Isolator ,(1 NO & 1 NC) with necess connection cu wire as required which fixed in (2+8) way SPN MCB DB concealed in wall as req.All component are Legrand.	Set	1		
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.