



# 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: 19/DY.REG/21-22

Date: 16.09.2021

Sealed quotations are invited from bonafide Electrical Contractor, having valid electrical license for building electrification works for **Patch repairing Electrical Work at Computer Lab with Computer Server Room at 4th floor of APCR Bhavan and Nuclear Lab at 4th floor of ASNB Bose Bhavan of Physics Department of IEST, Shibpur, Howrah-711103.**

The quotation will be received in the drop box.

Important Information	
Drop Box at	Office of Deputy Registrar, Stores and Purchase
Start date of tender Submission	16.09.2021
Time	Between 11:00 am and 5:00 pm (on all working days)
Last date of tender submission	29.09.2021 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 satisfactorily completed at least one similar work of value not less than Rs 1,00,000.00.
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 29.09.2021 up to 2:00 pm at the Office of the Deputy Registrar, Stores & Purchase.
14. Date & place for opening of the tender will be notified later by the office of the Superintending Engineer.

S. N. Datta  
Deputy Registrar  
Stores and purchase

Copy forwarded for information and necessary action to:

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

**Name of Tender: - Patch repairing Electrical Work at Computer Lab with Computer Server Room at 4th floor of APCR Bhavan and Nuclear Lab at 4th floor of ASNB Bose Bhavan of Physics Department of IEST, Shibpur, Howrah-71110.**

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 Computer Lab with Computer Server Room at 4th floor of APCR Bhavan and Nuclear Lab at 4th floor of ASNB Bose Bhavan of Physics 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 6-way double door 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 Amps, 415 Volt, Breaking Capacity 10 KA& Characteristics TP MCB-01Nos, b) Out going 6-32 Amps ,240 Volt, Breaking Capacity 10 KA& Characteristics SP MCB-18 Nos.	Set	1		
2	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	20		
3	Cutting Channel of size (40 mm x 40 mm) on masonry wall by Electric operated cutting machine incl. supplying & fixing heavy gauge 19 mm, 3 mm thick Polythene pipe by means of anchoring chemical (Hilti/Sika) and GI 'U' hooks.	R.M	300		
4	Supplying and Drawing 1.1 KV single core stranded 'FR'PVC insulated & unsheathed single core stranded copper wire(Brand approved by EIC) of 2x36/0.3 (2.5 sqmm) + 1x22/0.3 (1.5 sqmm) as ECC in the prelaid polythene pipe and by the prelaid GI fish wire and making necy. connection as required	R.M	300		
5	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	75		
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 prelaid polythene pipe and by the prelaid GI fish wire and making necy. connection as required.	R.M	75		
7	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	4		
8	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	4		
9	Supply and fixing only 20/25A plug top for A.C.Machine(North West) with indicator.	Each	4		
10	Distribution wiring in 1.1 KV single core stranded 'FR'PVC insulated & unsheathed copper wire of 4 x 84/0.3 (6 sqmm) + 2 x 56/0.3 (4 sqmm) ECC (Brand approved by EIC) in 25mm size PVC rigid conduit 'FR' (Precision make) incl. necy. fittings as required	R.M	35		
11	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	R.M	35		
12	Supplying and fixing 32 Amps, 4P, 415 V MCB of Breaking capacity 10kA & C characteristics on din rail of existing DBs and necessary connection	Each	1		
13	S&F 415V,32A,(3P+E+N+FR) Temptra Plug socket (Legrand Make ,Cat No- 607872) & FP MCB (6-32A) with SS Enclosure after cutting wall and mending good the damages.(Legrand)	Each	1		
14	Supply only 1.1 KV grade XLPE Al,Ar Cable of 4 core 10 Sq mm (Glowstar,Polycab)	R.M	35		
15	Supplying and fixing compression type gland complete with brass gland, brass ring & rubber ring for dust & moisture-proof entry of 4 core 10 sqmmXLPE/PVC armoured cables.	Each	2		
16	Finishing the end of 4 core 10 sqmm cable XLPE/PVC armoured cables by crimping method incl. supplying and fixing solderless socket (Dowels make), tapes, anticorrosive paste & jointing materials :	Set	2		
17	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- 9 mtr)	Points	15		
18	On Board Plug.	Points	2		
19	Supplying & Fixing MS fan clam of two piece type for RC ceiling asper 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	7		
20	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	6		
21	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	7		
22	S&F of twin LED lighting fittings (cat No- TMC 501 P/ 2X T-LED 22 make Philips) with 2 x T-LED 20 W lamp (1200mm T-8 LED Tube retrofitted Aluminium body with L-Clamp down rod as to GS.	Set	7		
23	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.	RM	7		

S.L. No.	Description of work	Unit	Qty.	Unit Rate (In Rs)	Amount (In Rs)
24	Supply and fixing 1200 mm sweep A.C Ceiling Fan complete with blade, canopy, frock, rubber bush etc as reqd. (Make Orient P.S.P.O Summer cool)	Nos	7		
25	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	2		
26	Finishing of the PVC insulated wire ends by socketting with pin/ ring type copper sockets and insulated tapes etc., including supplying sockets, tapes.				
26(a)	2.5sqmm cu wire.	Nos.	80		
26(b)	4 sqmm cu wire.	Nos	45		
26(c)	6 sqmm	Nos	10		
27	Dismanteling the existing wiring of Nuclear Lab of Physics Department required.	lot	1		
				<b>TOTAL (In Rs)</b>	

To  
Deputy 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.*