

Phone : 2350-5687
2354-3853
Fax : (033) 2350-5687



Rammohan College

(Formerly City College W Dept.)
102/1, Raja Rammohan Sarani, Kolkata - 700 009
E-mail : rmc.tic85b@yahoo.in
Accredited B++ Grade by NAAC

Ref.

Date 12/04/21 201

NOTICE

QUOTATIONS ARE INVITED FOR ELECTRICAL INSTALLATION WORK AT NEW SCIENCE BUILDING OF RAMMOHAN COLLEGE, 85A RAJA RAMMOHAN SARANI, KOLKATA 09.

THE SPECIFICATIONS OF THE WORK IS ATTACHED HEREWITH. QUOTATIONS ARE INVITED FROM REPUTATED AGENCIES/COCERN WITHIN SEVEN DAYS THROUGH COLLEGE MAIL.

COLLEGE MAIL: rmc.tic85b@yahoo.in

Santi Ranjan Dey
BURSAR

SPECIFICATION

Name of Work: Electrical Installation work at New Science Building of Rammohan College, 85A, Raja Rammohan Sarani, Kolkata- 9----- Electrical Installation work of lift.

Sl. No.	Description of items	Qty.	Rate(Rs)	Unit	Amount(Rs)
1	S & Drawing of 4 core 35 sq mm PVC/A cable incl. supply & laying of 2 nos 10 SWG GI wire on wall by MS saddle. (Make-- KEI/Gloster/Havells)	52		Mtrs	
2	Supplying and fixing 415V, 63A TPN SFU (Make-L & T) with sheet steel enclosure on angle iron frame on wall with nuts bolts etc incl. S & F 3 nos. DIN type HRC fuse as per rating.	1		No	each
3	S & F of double door 4-way VTPN MCB DB with IP-42/43 protection on angle iron frame on wall & mending good the damages to original finish incl. interconnection with suitable size cu wire and neutral link & provision for earthing attachment (Legrand /L & T)	1		no	each
4	Supplying and fixing double door sheet steel (16SWG), powder coated cable end box for HTPN DB enclosure on angle iron frame on wall & mending good the damages to original finish (Make-Legrand/L & T) as to GS.	1		no	each
5	S & F (12+2) way Double door SPN MCB DB with IP-42/43 protection on angle iron frame on wall & mending good the damages to original finish incl. interconnection with suitable size cu wire and neutral link & provision for earthing attachment (Legrand /L & T) incl. S & F 4 way barrier type terminal bar inside the box.	1		no	each
6	S & F 240/415V MCB (Legrand /L & T) of breaking capacity 10kA & 'C' characteristics on din rail of existing DB incl. necy connections.				
a	63A FP MCB	1		no	each
b	32A TP MCB	3		nos	each
c	40A DP MCB	1		no	each
d	10A DP MCB	1		no	each
e	6-32A SP MCB	12		nos	each
7	Distribution wiring by 2x2.5+1x1.5 sq mm FR PVC insulated cu.wire (Finolex/KEI/Polycab) through 20 mm dia PVC rigid conduit (Precision-M) to light/fan/ exhaust fan pts. with piano key type switch (Anchor) on MS box incl. 3 mm thick b.k top cover and 3 nos cu bar as per GS. (Avg. run - 9 mtr.)	8		pts	pt
8	do -do- to 5 pin flush type 6A plug socket and 6A piano key type switch on MS CRC sheet metal box---do--do-- (on board)	1		nos	each
9	Distribution wiring by PVC cu wire through 20 mm dia PVC rigid conduit (Precision-M) incl. necessary fittings as reqd.				
a	2x6+1x4 sq mm	45		Mtrs.	Mtr.
b	2x2.5+1x1.5 sq mm	55		Mtrs.	Mtr.
c	2x1.5+1x1.5 sq mm	150		Mtrs.	Mtr.
10	S & F 10Watt LED IP-65 Bulkhead light fittings (Make-Crompton/Philips/Havells) on wall incl. necy. accessories.	7		nos	each
11	S & F 1 no. 5A plug & 1 no. 5A switch (Anchor) on MS box with 3 mm thick b.k top cover incl. S & F MS box of size 150 x 100 x 65 mm (16 SWG) for sep. 5A plug.	8		nos	each
12	S & F 240V 1no 20A plug socket with 1 no 20A piano key type switch (Anchor) on wall incl. S & F MS box of size 200 x 150 x 65 mm (16 SWG) with 3 mm thick b.k top cover incl. making necy. connections.	2		nos	each
13	S & F 300mm (12") dia AC Exhaust fan (Heavy Duty) after cutting holes in the wall & mending good the damages by smooth cement finish incl. S & F louver shutter & making necy. Connections as required (Make-Crompton/EPC/Usha)	1		no	each

Sl. No.	Description of items	Qty.		Rate(Rs)	Unit	Amount(Rs)	
14	S & F 230V grade 400 mm (16") wall mounting bracket fan on wooden board on wall incl. S & F of 11"x5"x3/4" wooden board, nuts & bolts as reqd. (Make- Crompton /Usha/Orient)	2	nos		each		
15	S & F compression type gland complete with brass gland, brass ring for 4 core 35 sq mm PVC/A cable.	4	set		set		
16	Finishing the ends of the following cables & Cu wire by solderless socket, Tapes, anti corrosive paste, etc.						
a	For 4 core 35 sq mm PVC/A cable	4	sets		set		
b	For 2x6+1x4-sq mm cu wire	2	sets		set		
c	For 2x2.5+1x1.5 sq mm cu wire	4	sets		set		
17	S & F 4'ft long Single LED tube light fittings complete with all accessories (Crompton make cat no. IGP 231 LT8-16/ Philips) incl. S & F 1 no 20W LED tube with inbuilt driver by 'L' type MS clamp, MS fastner, nuts & bolts etc. as per GS.	4	nos		each		
18	S & F (Hot Dip) strips 25mm x 6 mm thick for vertical run on wall for equipments earthing of lift with GI saddles spaced not exceeding 500mm apart incl. mending good the damages to building work.	150	Mtrs.		Mtr.		
19	S & F 25 mm dia medium gauge GI pipe (ISI Medium) protection with necy. Fittings & jointing materials.	6	Mtrs.		Mtr.		
20	Earthing with 50 mm dia GI pipe 3.64 mm thick x 3.04 Mts. long and 1 x 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 level driven to an average depth of 3.65 Mts. below the ground level & restoring surface duly rammed (For Morrur Soil ISI-Medium GI pipe) as to GS.	2	Sets		set		
21	Excavation of soft soil for installation of earth electrode and filling incl ramming the same properly.	10	c.mtr		c.mtr		
22	S & F earth busbar of galvanized (Hot Dip) MS flat 40mm x 6 mm on wall having clearance of 6 mm from wall incl. providing drilled holes on the busbar complete with GI bolts, nuts, washers, spacing insulators etc. as reqd (each 0.5 mtr)	2	nos		each		
23	Extra for treatment of soil by using salt & charcoal or coke for pipe earthing as per direction of EIC.	2	item		each		
24	Extra for providing masonry enclosure on the top of the earth electrode of overall size 86.36 cm x 86.36 cm x 46 cm deep complete with cemented brick work of 25 cm width duly plastered with cement mortar CI hinged inspection cover of size 35.56 x35.56 cm with locking arrangement GI reducer incl. drilling holes on the GI pipe.	2	nos		each		
25	Making soldered joints between GI strips and other metallic objects incl. supply of jointing materials with 2 nos 8 mm dia and 3/4 th length nut bolt of same materials with contact grease and painting with 2 coats of bituminous paint.	40	nos		each		
		Sub-Total Amount					
		Add GST @ 12%					
		Total Amount					
		SAY					