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Accredited B++Grade by NAAC


Ref.

Date ..22/12/21..... 201

TENDER NOTICE

Quotations are invited in sealed envelope (strictly) within 15 days from the date of publication of this notice from Reputed and Experienced Companies. Details of work schedule is attached herewith as **Annexure I, II and III**. The following documents are required along with quotation.

1. GST Certificate.
2. License of Electrical Work.


Bursar
Rammohan College
Kolkata - 700009

Sl no	Item Part		
1	Annex 1-Main line connection with all Earthing		
2	Annex 2-Wiring of Laboratory room ,Beside all rooms ,corridor with Toilet at Ground floor		
3	Annex 3-Wiring at kitchen		

Annex 1-Main line connection with all Earthing

sl no	Desciption o item	Qty	unit
1	Supplying and fixing 63A Sheet steel Main Switches on angle iron frame on wall.Havells, 415V TPN with fuse on L&N	1.0	piece
2	Supplying and fixing 2+18 way double-door SPN 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.	2.0	piece
3	Supply & Fixing FP enclosure concealed in wall & mending good the damages to original finish incl. earthing attachment comprising with the following: a) 40A FP MCB (legrand/Seimens/Havells).(10KA & C characteristics) - 1 nos	1.0	set
4	Supplying and fixing double door Horizontal 4 Way TPN MCB Distribution board (Legrand/Seimens) 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 comprising with the following items a) 63A FP Isolator - 1nos.	1.0	set
5	Wiring with 1.1 KV grade single core PVC insulated stranded Copper wire in EI conduit/GI conduit and painting.		
6	3x6 sqmm wire in 19 mm conduit incl. S&F 2x10 SWG GI ECC	48.0	m
7	Supplying and fixing polythene pipe complete with fittings as necy. under ceiling/beam. bound with 22 SWG GI binding wire incl. supplying and drawing 1x18 SWG GI Wire as fish wire inside the pipes and fittings and providing 50 mm dia disc of MS sheet (20 SWG) having colour paint at one face fastened at the load point end of the polythene pipe with fish wire (synchronizing with roof/beam casting work of building construction)19mm dia 3mm thick Polythene Pipe	30.0	RM
8	Excavation of soil for installation of Earth Electrode and filling & ramming.(b) For Morrum Soil	15.0	cum

1	Distn. wiring in 22/0.3 (1.5 sqmm) single core stranded 'FR' PVC insulated & unsheathed single core stranded copper wire (Brand approved by EIC) in 19 mm bore, 3 mm thick polythen pipe complete with all accessories embedded in wall to light/fan/call bell points with Modular type switch (Brand approved by EIC) with 3no. suitable size "Ph. N & E" copper bar fixed on Modular GI switch board with top cover plate flushed in wall incl. mending good damages to original finish 2x22/0.3 (Ph. & N) and 1x22/0.3 as ECC a) average run 7 mtr	10.0	point
2	Supplying and fixing polythene pipe complete with fittings as necy. under ceiling/beam, bound with 22 SWG GI binding wire incl. supplying and drawing 1x18 SWG GI Wire as fish wire inside the pipes and fittings and providing 50 mm dia disc of MS sheet (20 SWG) having colour paint at one face fastened at the load point end of the polythene pipe with fish wire (synchronizing with roof/beam casting work of building construction) 19mm dia 3mm thick Polythene Pipe	20.0	RM
3	Supply of 4' 20W single Essential LED Tube light fittings with LED Batten (Crompton/ PHILIPS / Havells).	4.0	set
4	Supply of 4' 2x 20W single Essential LED Tube light fittings with LED Batten (Crompton / PHILIPS / Havells).	6.0	set
5	Fixing only single/twin florescent light fitting complete with all accessories Directly on wall/ceiling with HW block and suitable size MS fastener, Ceiling plate, nipples etc. as required	10.0	set
6	Supply of 1200mm 48" Sweep Ceiling Fan(Orient newbreeze/Usha-Striker/Crompton)	6.0	set
7	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.	6.0	set
8	Supply of 30cm ,12" 1420 RPM heavy duty exhaust fan (EPC/Crompton)	1.0	set
9	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 following diameter: a)30cm 12"	1.0	each
10	Supply & fixing SPN MCB DB (2+8) WAY (Make all Legrand/Seimens) with S.S. Enclosure concealed in wall after cutting wall & mending good the damages & earthing attachment comprising with the following: a) 40 A DP MCB isolator - 1 No. b) 6 to 32 A range SPMCB -8 Nos.(10KA & C characteristics)	1.0	set

5	Supplying and fixing MCB 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. 2 Way	36.0	piece
6	4 way	30.0	piece
7	Supplying and fixing 25A , 240/415 V MCB Isolator on din rail of existing DBs and necessary connection. Seimens	12.0	piece
11	Supplying & Fixing GI 2 Modular Switch Board 16 A modular type switch of the following 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	12.0	set
12	Supply & Fixing 240 V 16/20 A Piano key type switch (Brand approved by EIC) on existing sheet metal switch board having bakelite/perspex top cover by screws after making housing for switch by cutting bakelite/perspex cover and making necessary connections as required	22.0	piece
13	Supply & Fixing 240V, Modular Socket (2 Module) type fan regulator (Step type) (Brand approved by EIC) on existing Modular GI switch board with top cover plate incl. making necy. connections etc.	10.0	each
14	Finishing of the PVC insulated wire ends by socketting with pin/ring type copper sockets and insulated tapes etc., including supplying sockets, tapes. a) 6 sqmm	36.0	set
15	Supply of 19mm dia GI conduit 1.6mm thick	20.0	mtr.
16	Supply & Fixing 240 V, 16 A, 3 pin Modular type Power plug socket (Cabtree) with 16A switch without plug top on 4 Module GI Modular type switch board with top cover plate flushed in wall incl. S&F switch board and cover plate and making necy. connections	5.0	each
17	Supply of 4' 20W single Essential LED Tube light fittings with LED Batten (Crompton/ PHILIPS / Havells).	5.0	set
18	Supply of 4' 2x 20W single Essential LED Tube light fittings with LED Batten (Crompton / PHILIPS / Havells).	12.0	set
19	Fixing only single/twin florescent light fitting complete with all accessories Directly on wall/ceiling with HW block and suitable size MS fastener, Ceiling plate, nipples etc. as required	17.0	set
20	Supply of 1200mm 48" Sweep Ceiling Fan(Orient newbreeze/Usha-Striker/Crompton)	8.0	set
21	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.	8.0	set

Annex 3-Wiring at kitchen

sl no	Desciption o item	Qty	unit
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9	(d) Earthing with 65 mm dia GI pipe (TATA-Medium)x 3.0 Mts. long and 1 No. 50 mm x 6 mm galvanized (Hot Dip) steel strip (4 Mts. long), 20 mm dia x 125 mm long galvanized bolt, double nuts, double washers including finishing both ends by making holes etc. and S & F 65 mm dia GI pipe (ISI-Medium) protection (3 Mts. long) to be filled with bitumen partly under the ground level and partly above ground level to an average depth of 3.65 Mts	2.0	set
10	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 (below Ground level) complete with cemented brick work(1:6) of 25 cm width duly plastered with cement mortar (inside) CI hinged inspection cover of size 36.56 cm x 35.56 cm with locking arrangement, GI reducer including drilling of 46 nos. 12 mm dia holes on the GI pipe	2.0	item
11	Extra for treatment of soil by using salt & charcoal or coke for plate electrode	2.0	item
12	Supplying & fixing earth busbar of galvanized (Hot Dip) MS flat 25 mm x 6 mm on wall having clearance of 6 mm from wall including providing drilled holes on the busbar complete with GI bolts, nuts, washers, spacing insulators etc. as required	8.0	mtr
13	(e) Connecting the equipments body to earth busbar incl. S & F 50 mm x 6 mm Galvanized (Hot Dip) MS flat on wall/floor with GI saddle as required and connection to equipments with incl. drilling holes, bolts, nuts, washers etc.	8.0	mtr
14	Supply & Fixing of ceiling rose, PVC Branded approve by EIC	12.0	piece

**Annex 2-Wiring of Laboratory room ,Beside all rooms
,corridor with Toilet at Ground floor**

sl no	Desciption o item	Qty	unit
1	Distribution wiring in 2x2.5 sqmm single core PVC insulated stranded Copper wire in 19 mm EI conduit/GI conduit from separate way of BDB to 3 Pin 15 A plug point with 1x14 SWG GI ECC (wiring only)	230.0	m
2	Distribution wiring in 2x4 sqmm single core PVC insulated stranded Copper wire in 19 mm EI conduit/GI conduit from separate way of BDB to 3 Pin 15 A plug point with 1x14 SWG GI earth continuity wire (wiring only)	280.0	m
3	Supplying and fixing polythene pipe complete with fittings as necy. under ceiling/beam, bound with 22 SWG GI binding wire incl. supplying and drawing 1x18 SWG GI Wire as fish wire inside the pipes and fittings and providing 50 mm dia disc of MS sheet (20 SWG) having colour paint at one face fastened at the load point end of the polythene pipe with fish wire (synchronizing with roof/beam casting work of building construction)19mm dia 3mm thick Polythene Pipe	40.0	RM
4	Supplying & Fixing Industrial Plug & Socket board with 240 V, 20A, SPN & Earth Metal Industrial Plug socket & 20A Industrial top incl. S&F 20 A SP MCB breaking capacity 10kA (C- Curve) in SS enclosure, fixed on wall and necessary conection.	12.0	piece