

Arulmigu Gowmariamman Thirukoil, Veerapandi

Name of Work : Internal and External Electrification work of Newly Construction of Marriage Hall Building at Veerapandi Village belongs to Arulmigu Gowmariamman Thirukoil, Veerapandi, Theni Taluk & District.

SI No	Qty	Description	Unit	Rate		Amount
				In Figures	In Words	
INTERNAL AND EXTERNAL ELECTRIFICATION						
1	80	Pts	Wiring with 2x1.5 sqmm (22/0.3) PVC insulated SC unsheathed Cu.Conductor of 1100V grade in suitable PVC rigid pipe concealed in wall and ceiling with PVC accessoires in flush with wall with 3mm thick hylum sheet cover with TW switch box and 5A F.T. switch with continious earth wire connction of 14SWG TC wire for making good of the concealed portion with suitable colour for PVC concealed light / Fan Point (For electronic regulator)	Pts		
2	91	Pts	Wiring with 2x1.5 sqmm (22/0.3) PVC insulated SC unsheathed Cu.Conductor of 1100V grade in suitable PVC rigidpipe concealed in wall and ceiling with PVC accessoires in flush with wall with 3mm thick hylum sheet cover with TW switch box and 5A F.T. switch and making good of the concealed portion with suitable colour for PVC concealed light /Fan point (for electronic regulator)(5 Points Per Coil)	Pts		
3	4	Pts	Wiring with 2x1.5sqmm (22/0.3) PVC insulated SC unsheathed Cu.Conductor of 1100 V grade in suitable PVC rigid pipe concealed in wall and ceiling with PVC accessories, in flush with wall, with 3mm tick hylum sheet cover with TW switch box and 5 A FT switch and and making good of the concealed portion with suitable colour for concealed PVC light (6 points per coil) for rooms like bath, toilet & pumproom, etc).	Pts		

Number of Correction

Contractor

Number of Over Writtings

Executive Officer

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SI No	Qty		Description	Unit	Rate		Amount
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4	6	Pts	Wiring with 3 x 1.5sqmm(22/0.3) PVC insulated SC unsheathed Cu.Conductor of 1100V grade in suitable PVC rigid pipe concealed in wall and ceiling with PVC accessories in flush with wall with 3mm thick hylem sheet covered TWswitch box and 5A F.T. switch (Two way) and making good of the concealed portion with suitable colour for concealed staircase light point	Pt			
5	22	No's.	Supply and fixing of single box type 4'20 W LED fitting with TW round blocks on wall or ceiling with PVC unsheathed Copper leads from terminals to the fitting.	Each			
6	32	No's.	Supply and fixing of single box type 4'40 W LED with conduit pipe suspension from the ceiling with PVC unsheathed Copper leads from terminals to the fitting.	Each			
7	9	No's.	Supply and fixing of ORBIT LED SURFACE CEILING LIGHT (SQUARE) 12W FITTING on Ceiling with connetion	Each			
8	2	No's.	Supply and fixing of LED WT Bulk head fitting PRBH - 15W with connection	Each			
9	11	No's.	Supply and fixing of 2x2 LED Flat Pannel Fitting Havel 2x2 PLS-42W-LED-857S with TW round blocks on wall or ceilling with PVC unsheathed Copper leadss from terminals to the fitting	Each			

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10	32	No's.	Supply and fixing of Havells LED Low Bay 50W Fitting with MS Clamp Set with Bolt and Nut and to be suspended with SS Chain 32 mm width with End Hooks with PVC unsheathead Copper leads from terminals to the fitting.	Each			
11	4	No's.	Supply and fixing of Havells JETAALBA - FLOOD LIGHT -70W LED Fitting with Necessary Wall Grouting clamps with Fixing bolts on ceiling with PVC unsheathed Copper leads from terminals to the fitting.	Each			
12	13	No's.	Supply and fixing of Havells VILUMINA S-L30W-LED 757-PASYBOPC street light fitting with 32mm dia GI pipe (Class 'B') with 1 No. 32mm GI bend complete on the existing post wall with PVC unsheathed copper leads MS clamps and aluminium painting	Each			
13	4	No's.	Supply and fixing of 1200 mm (48") sweep AC ceiling fan complete with stepped electronic 300W regulator, with 300 mm down rod on existing clamp	Each			
14	2	No's.	Supply and fixing of 1200 mm (48") sweep AC ceiling fan complete with stepped electronic 300W regulator, with 1 metre down rod on existing clamp	Each			
15	42	No's.	Supply and fixing of 1400 mm (56") sweep AC ceiling fan complete with stepped electronic 300W regulator, with 1 metre down rod on existing clamp	Each			

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SI No	Qty		Description	Unit	Rate		Amount
					In Figures	In Words	
16	2	No's.	Supply and fixing of 300 mm (12") sweep light duty AC exhaust fan complete without provision of hole in the wall	Each			
17	6	No's.	Supply and fixing of 375 mm (15") sweep heavy duty AC exhaust fan complete without provision of hole in the wall	Each			
18	2	No's.	Supply and fixing of louvers shutters arrangements for 300 mm (12") sweep (light duty) AC exhaust fan.	Each			
19	6	No's.	Supply and fixing of louvers shutters arrangements for 375 mm (15") sweep (light duty) AC exhaust fan.	Each			
20	13	No's.	Supply and fixing of 450MM 18" Almonard Walla Fan on wall with connection.	Each			
21	50	No's.	Supply and fixing of 5Amps (3 Pin and 2 Pin) combined flush type wall socket with 5A flush type switch concealed in suitable MS box in flush with wall and concealed with 3mm thick hylem sheet	Each			
22	9	No's.	Supply and fixing of 5A / 15A 3 Pin combined flush type wall socket 15A flesh type switch concealed in suitable MS Box in flush with wall wand covered with 3mm thick hylem sheet	Each			

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SI No	Qty		Description	Unit	Rate		Amount
					In Figures	In Words	
23	4	No's.	Supply and Fixing of 25A MCB protected Socket in MS Enclosure Concealed in wall with connection	Each			
24	8	No's.	Supply and fixing of 3 Nos. 5Amps (3 Pin and 2 Pin) combined flush type wall socket with control switches concealed in suitable TW Box in flush with wall and covered with 3mm thick hylem sheet with earth connection (for computer plug socket)	Each			
25	600	Mts	Supply and run of 2 of 1.5 sqmm (22/0.3) PVC insulated SC unsheathed Cu.Conductor of 1100V grade in suitable PVC rigidpipe concealed in wall and ceiling with PVC accessoires in flush with wall and ceiling with continuous earth wire connection of 14 SWG TC wire and making good of the concealed portion with suitable colour	Mt			
26	300	Mts	Supply and run of 2 of 4 sqmm (56/0.3) PVC insulated SC unsheathed Cu.Conductor of 1100V grade in suitable PVC rigidpipe concealed in wall and ceiling with PVC accessoires in flush with wall and ceiling with continuous earth wire connection of 14 SWG TC wire and making good of the concealed portion with suitable colour	Mt			

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SI No	Qty		Description	Unit	Rate		Amount
					In Figures	In Words	
27	100	Mts	Supply and run of 4 of 10 sqmm (140/0.3) PVC insulated SC unsheathed Cu.Conductor of 1100V grade in suitable PVC rigidpipe concealed in wall and ceiling with PVC accessoires in flush with wall and ceiling with continious earth wire connection of 14 SWG TC wire and making good of the concealed portion with suitable colour	Mt			
28	25	Mts	Supply and run of 4 of 16 sqmm (101/0.45) PVC insulated SC unsheathed Cu.Conductor of 1100V grade in suitable PVC rigidpipe concealed in wall and ceiling with PVC accessoires in flush with wall and ceiling with continious earth wire connection of 14 SWG TC wire and making good of the concealed portion with suitable colour	Mt			
29	20	Mts	Supply and laying of 4 x 10 sqmm PVC LTUG aluminium armounred cable in a trench to be excavated at a depth of 0.75 meter putting 0.15 meter layer of sand and covering the cable completly with bricks and sand and refilling the earth to make good.	Mt			
30	10	Mts	Supply and laying of 4 x 10 sqmm PVC LTUG aluminium armounred cable on post or on wall with MS clamps	Mt			

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SI No	Qty		Description	Unit	Rate		Amount
					In Figures	In Words	
31	2	No's.	Supply and fixing of brass cable gland for 4 x 10 sq.mm PVC LTUG aluminium aromoured cable with earth connection	Mt			
32	1	No	Supply and fixing of 32A TPN metal clad switch on suitable angle iron frame work with MS cable entry boxes with PWD earthing.(Motor)	Each			
33	6	Nos	Supply and fixing of 12 way single pole and neutral MCB sheet steel enclosure Distribution board with 1 No 32 Amps DPMCB as incoming and 8 Nos 6Amps to 32 Amps SPMCB outgoing on suitable angle iron frame work with earth connection only. The MCB DB and MCB's should be with ISI mark (Like Legrand/Hager make).	Each			
34	2	Nos	Supply and fixing of vertical type 4 way triple pole neutral MCB distribution board with Metal/Acrylic Door cover with IP42 Protection, with 63A 30mA Snsitivity RCCB and 1 No TP MCB and 9 nos 6A to 32A SP MCB as Outgoing on wall with angle iron frame work with earth connection only. The MCB DB and MCB's should be with ISI mark (like legrand make)	Each			

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SI No	Qty		Description	Unit	Rate		Amount
					In Figures	In Words	
35	1	No	Supply and fixing of vertical type 4 way triple pole neutral MCB distribution board with Metal/Acrylic Door cover with IP42 Protection, with 100 A 34 Pole MCB isolater as incoming and 4 Nos 63A TP MCB as outgoing on wall with Angle iron frame work with earth connection only. The MCB DB and MCB's should be with ISI mark (like legrand make)	Each			
36	1	No	Supply and fixing of vertical type 4 way triple pole neutral MCB distribution board with Metal/Acrylic Door cover with IP42 Protection, with 63A 4 Pole MCB Isolater as incoming with and 3 Nos 32A TP MCB and 3 Nos 6A to 32A SP MCB as outgoing on wall with Angle iron frame work with earth connection only. The MCB DB and MCB's should be with ISI mark (Motor Load)	Each			
37	1	No	Supply and fixing of Havells 100A on -Load Change over switch IHCNFE0100 with enclosure and one No Havells 100A Switch disconnector Fuse panel mounted cubical Type IHKDTW4100 on suitable angle iron frame work with cable Entry boxes with earth connection.	Each			
38	40	Mts	Supply and laying of 3 1/2 x50sqmm PVC LTUG aluminium armoured cable in a trench to be excavated at a depth of 0.75 meter putting 0.15 meter layer of sand and covering the cable completely with bricks and sand and refilling the earth to make good.	Mt			

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SI No	Qty		Description	Unit	Rate		Amount
					In Figures	In Words	
39	15	Mts	Supply and clamping of 31/2 x 50 sq.mm PVC LTUG armoured cable on post or wall with MS clamps	Mt			
40	4	Nos	Supply and fixing of 31/2 x 50 sq.mm PVC LTUG armoured cable with earth connection.	Each			
41	5	Mts	Supply and clamping of 31/2 x 50 sq.mm PVC LTUG armoured cable through 65mm GI pipe on post or on wall with MS clamps.	Mt			
42	4	Nos	Supply and providing cable end terminaton of 3-1/2 x 50 sq.mm PVC LTUG aluminium armoured cable with necessary aluminium cable sockets by crimping etc with electrical connection complete	Each			
43	4	Nos	Earthing as per the ISI specification with an earth electrode of 2.1mt class 'B' GI pipe of dia not less than 40mm, with copper earth plate of size 125mm x 50mm x 6mm, with necessary funneling arrangements with necessary masonry work and with 38mm RCC cover slab for the brick masonry .	Each			

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SI No	Qty		Description	Unit	Rate		Amount
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44	1	No	Supply and fixing of 3 Phase 100A aerial fuse unit for 3 Nos 100A fuse units (500V) on suitable MS sheet covered with 6mm thick hylem sheet on suitable angle iron work the tapping pole with necessary clamps.	Each			
45	30	Mts	Supply and run 25mm x 3mm tinned copper flat with necessary clamps/supports on wall / floor/ ground for earth connection.	Mt			
46	1	No	Supply and fixing of 3 Compartment Panel (made up of 16 SWG Sheet) with Lock and keys with view Glass arrangements for obtaining the EB supply having Bus bar Chamber with 25mm x 3mm copper flat for in/out Cable connection and 3 Nos 100A Fuse unit with 1 No 100A Netural link with the provision for fixing the EB meter and cable entry boxes with necessary connection.	Each			
47	1	No	Supply and fixing of 8 way single pole and neutral MCB sheet steel enclosure Distribution board with 1 No 32 Amps FP MCB Isolator as incoming and 4 Nos 6 Amps to 32 Amps SPMCBs outgoing on suitable angle iron frame work with earth connection only. The MCB DB and MCB's should be with ISI mark (Like Legrand/Hager make) (Street light control).	Each			

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SI No	Qty		Description	Unit	Rate		Amount
					In Figures	In Words	
48	30	Mts	Supply and run of 4 of 4 sq.mm (56/0.3) PVC insulated SC unsheathed Cu Conductor of 1100 V grade in suitable PVC rigid pipe concealed in wall and ceiling with continuous earth wire connection by 14 SWG TC wire and making good of the concealed portion with suitable colour	Each			
49	12	Nos	Supply and fixing of 6 metre length single Bracket Pole with Base plate (250x250x6mm) 76.10mm OD x 3.65mm thick x 6000mm Length with concreting and construction of masonry pedestal with MS box of 30cm x 20cm x 10cm with angle iron frame work with door and lock and key arrangements with supply and fixing 48W LED street light fitting with LED and supply and fixing of 1No. 16A fuse unit (500V) and 5A SP switch inside the MS Box with PVC unsheathed leads and painting of suitable colour.	Each			
50	26	Nos	Supply and fixing of brass cable gland for 2 x 10 sq.mm PVC LTUG aluminium armoured cable with earth connection	Mt			

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SI No	Qty		Description	Unit	Rate		Amount
					In Figures	In Words	
51	250	Mts	Supply and laying of 2 x 10 sq.mm PVC armoured LTUG cable in a trench to be excavated at a depth of 0.75 metre putting 0.15 mt. Layer of M.Sand and covering the cable completely with bricks and M.Sand and refilling the earth to make good.	Mt			
52	50	Mts	Supply and clamping of 2 x 10 sq.mm PVC LTUG armoured cable through 65mm GI pipe on post or on wall with MS clamps.	Mt			
53	50	Mts	Supply and clamping of 2 x 10 sq.mm PVC LTUG armoured cable through suitable 32 mm GI pipe on post or on wall with MS clamps.	Mt			

Number of Correction

Contractor			Number of Over Writings		Executive Officer Arulmigu Gowmariamman Thirukoil, Veerapandi		
54	1	Set	Supply, erection, testing and commissioning of 45 KVA Diesel Silent Generator set, 0.8 PF 3 ph, 415V, 50 Hz as detailed below.	Set			

SI No	Qty		Description	Unit	Rate		Amount
					In Figures	In Words	
			<p>A.Engine: Water cooled Diesel Engine type suitable for generating application with a shaft output of uitable capacity of 60 BHP at 1500 RPM under NTP conditions. As per the BSS 5414 / ISO 3046. The Engine shall comprise the following standard fittings (Kirloskar / Cummins / Equivalent)</p> <p>B. Alternator: Capacity for 45 KVA / 36K, 0.8 PF self excited, self regulated degin to run at 1500 RPM under NTP condition confirming to BS 5000 / IS 13364 (part II) 1992 to be coupled directly to the Diesel Engine and Test Certificate. (Kirloskar / Cummins / Equivalent)</p> <p>C.Battery: 1 No 12V 88/100 AH Battery Make (EXIDE / AMCO / AMARON)</p> <p>D. Acoustic Enclosure : Supply of acoustic Enclosure for 45 KVA Diesel Generator Set. The Acoustic enclosure is made of 1.6 / 2 mm thick CRCA sheets in munsel Green shade and a Structural Sheet metal base frame Painted in Black. The walls of the enclosure are insulated with fire retardant foam so as to comply with the 75 DBA at mtr sound levels specified by Ministry of enforcement.</p>				

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SI No	Qty		Description	Unit	Rate		Amount
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			<p>The enclosure should be complete with</p> <ol style="list-style-type: none"> 1. Arrangement for power cable for connection. 2. Residential exhaust silencer, with flexible base arrangements. 3. Suction louvers. 4. Discharge Louvers. 5. Open able and lockable doors on both sides with air tight Neoprene rubber gasket. 6. Interior lighting arrangements. 7. Lifting arrangements. <p>E. Erection, Testing and Commissioning of the genset comprising the following:</p> <ol style="list-style-type: none"> 1. Providing suitable concrete foundation with plain cement concrete 1:2:4 with sand cushion all around the foundation suitable for mould engine and alternator with acoustic enclosure. 2. Erection of generator set complete with acoustic enclosure, fuel tank, engine control panel, standard control panel, base frame complete on the above foundation and lifting arrangements. 3. First charging of lub oil and first charging of Battery. 				
55	3	Mts	Supply and installation of exhaust piping of sufficient length with suitable MS pipes so as to extend outside the generator room with necessary thermal insulation.	Mt			

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56	1	Job	Supply of lubricating oil and first charging of starting battery and supply of 80lts diesel to run the genset for minimum of 8 hours.	JOB			
57	2	Nos	Supply, erection, testing and commissioning of 1.5 Ton (4500 K.Cal/Hr) ABS Plastic split type Air conditioner confirming to is : 1391(part 2) 1992 Amdt No.1 to 2 fitted with Rotary compressor operating Refrigerant R.22/ Non CFC suitable for wall mounting for operating on 230 volts, 50 HZ single phase AC supply with star rating of 3 as per BEE specification and capable of performing the functions of 1) Cooling 2) De humidifying 3) Air circulating 4) filtering. The installation works for the above split type AC units includes the followings. Mounting/fitting in door and out door units at the respective locations. 1. Laying Refrigerant pipe line of required length connecting both units after drilling hole/holes in the wall if required. Thickness of copper tubing shall not be less than 0.7mm. 2. Insulating the suction pipe with expanded polyethylene foam 5 mm tubing. 3. Laying 15mm dia Flexible PVC drain pipe to throw out. The condensate water being formed within Indoor unit. 4. Leakage testing the entire system with outdoor unit stand. 5. Charging Refrigerant gas in the unit. 6. Suitable electric wiring to be provided with 2.5 sqmm. PVC insulated copper wire between indoor and out door units up to 6 meters length and up to Switch within 3 meters of location of in door Unit. (Carrier/voltas) (DGS & D Rates)	Each			

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SI No	Qty		Description	Unit	Rate		Amount
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58	2	Nos	Renewal by supply and installation of 4.0 KVA Electronic Automatic voltage stabilizer V-Guard Make with input voltage Range of 170 volt to 270 volt and output voltage range 200 volts to 240 volts with High and low voltage cut off and 3 minutes time delay relay with demonstration	Each			
59	2	Nos	Supply and fixing 1000w automatic electric water heater of 25 liters capacity suitable for 230V 50 c/s AC supply on suitable MS clamps with 3 core flx wire, but without plumbing work.	Each			
60	2	Nos	Supply and fixing 5A / 15A 3 pin combined flush type wall socket with 15A flush type switch concealed in suitable MS box in flush with wall and covered with 3mm thick hylem sheet	Each			

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