

ACCEPTANCE LETTER No: MINUTES OF CWC HELD ON 11-09-2024

To

PSG CONSTRUCTIONS,
No. 09, 5th STREET, ANNA NAGAR,
PATTABIRAM,
CHENNAI – 600 072

Dear Sirs,

Type of Work: ITEM RATE

Sub : **CONSTRUCTION OF NEW CLASS ROOMS (GF PLUS 1) IN VIJAYANTHA SENIOR SECONDARY SCHOOL AT HVF ESTATE, AVADI**

Ref: (i) Fy Tender No. HVF/TE/VSS SCHOOL/CLASSROOM/PW/2024-25/02, Dt. 04-07-2024 with Tender ID: 2024_AVNL_200246_1.

(ii) Your Bid: 720907 in this tender & Price revision, Confirmations offered vide email & letter dated 23-08-2024 & 11-09-2024.

For and on behalf of the Chairman / VSS School, I hereby convey the acceptance of your tender by the competent financial authority for the above mentioned work for a total value of **Rs. 2,91,05,616 /-** (Rupees Two Crore Ninety One Lakhs Five Thousand Six Hundred and Sixteen Only) and order the services detailed in the schedule enclosed herewith at the item rates quoted by you in Schedule 'A' of the Tender documents as per the terms, conditions and specifications laid therein. List of items, to be issued by factory, is given in Schedule 'B'.

2. The contract is allotted with No. **HVF/CE/VSS SCHOOL/CLASSROOM/PW/03/2024-25., dated 16-09-2024** which will have to be quoted by you in all future correspondence in connection with this contract.

3. In accordance with condition No. 22 of the General Condition of Contract (IAFW-2249), please submit the security deposit of Rs. 4,57,600 /- (Rupees Four Lakhs Fifty Seven Thousand and Six Hundred Only) in favour of "The Chief General Manager, Heavy Vehicles Factory, Avadi" as mentioned in tender condition.

The maturity date of security Deposit shall be minimum 12 months from date of the completion of contract.

4. The contract shall be governed by the terms and conditions as per the contract documents enclosed and general condition of contract MES IAFW 2249. The deviation limit shall be as per the clause No.19.1.1 & 19.1.2 of MES Contract Manual (latest revision).

5. Shri. K.Ravichandran, JWM(SG)/IMS/CE(E) is nominated as Engineer-in-Charge for the subject work. Shri. P. Neelakandan, JWM(SG)/IMS/CE(Fy) and Shri. S.Anandan, Ch-M/IMS/EE(E) are nominated as Site In-charges for the subject work.

6. You are requested to contact the Engineer-in-Charge within 7 days of receipt of this letter for taking over of site and to make time and progress chart. You will also maintain wage-cum-muster roll and all other records as required in Contract Labour Rules and Acts.

7. Please acknowledge receipt of this letter and return two copies duly signed by you in proof of acceptance within seven days from the date of receipt of this communication.



(K. TULASI RAO)

JT. GENERAL MANAGER / IMS
For CHIEF GENERAL MANAGER / HVF

Copy to :

1. Chairman / VSS School, HVF Estate, Avadi
2. Shri. K.Ravichandran, JWM(SG)/IMS/CE(E) - Engineer -In Charge
3. Shri. P. Neelakandan, JWM(SG)/IMS/CE(Fy) - Site -In Charge
4. Shri. S.Anandan, Ch-M/IMS/EE(E) - Site -In Charge
5. Shri.P.G.Harish Kumar, JWM / CEO - Technical Examiner

IN LIEU OF IAFW-1823(REVISED)
CONTRACTORS' ORDER SHEET

Work Order/Deviation Order No:	HVF/CE/VSS SCHOOL/CLASSROOM/PW/03/2024-25., dated 16-09-2024
Acceptance letter No.	MINUTES OF CWC HELD ON 11-09-2024
Contractor's Name	PSG CONSTRUCTIONS
Name of the work	CONSTRUCTION OF NEW CLASS ROOMS (GF PLUS 1) IN VIJAYANTHA SENIOR SECONDARY SCHOOL AT HVF ESTATE, AVADI
CA amount	Rs. 2,91,05,616 /-

PARTICULARS

1. Authority	CWC decision of HVF CWC
2. Brief Description of work to be carried out	As per details in sheet attached and adhering to your firm Bid No. 720907 and Price revision, Confirmations offered vide email and letter dated 23-08-2024 & 11-09-2024 in HVF Tender; HVF/TE/ VSS SCHOOL/ CLASSROOM/PW/2024-25/02, dated 04-07-2024 with Tender ID: 2024_AVNL_200246_1 for all Terms & Conditions therein & rate quoted in Schedule 'A' enclosed with tender documents.
3. Time effect	
a. Date of handing over of the site	18/09/2024
b. Date of commencement of work	18/09/2024
c. Date of Completion as per contract	18/09/2025
d. Date for completion shown in previous Orders	NA
e. Revised date of completion	NA
4. Financial effect (Rs.)	
a. Present order	Rs. 2,91,05,616 /-
b. Contract amount as adjusted by previous orders	NA
c. Contract amount adjusted up to and including this order	NA
5. Expenditure to be booked under code Head No	Vijayantha Senior Secondary School Fund
6. Certified that no special rate is involved	
7. Technical Examiner	Shri.P.G.Harish Kumar, JWM / CEO
8. Approved	Shri. K. Tulasi Rao, Jt.GM / IMS
9. Accepted	PSG CONSTRUCTIONS


(K. TULASI RAO)

JT. GENERAL MANAGER / IMS
For CHIEF GENERAL MANAGER / HVF

Distribution to :--

- 1) PSG CONSTRUCTIONS
- 2) Chairman / VSS School, HVF Estate, Avadi
- 3) Sr. Security Officer
- 4) Shri. K.Ravichandran, JWM(SG)/IMS/CE(E) - Engineer -In Charge
- 5) Shri. P. Neelakandan, JWM(SG)/IMS/CE(Fy) - Site -In Charge
- 6) Shri. S.Anandan, Ch-M/IMS/EE(E) - Site -In Charge
- 7) Shri.P.G.Harish Kumar, JWM / CEO - Technical Examiner
- 8) HeadMistress / VSS School, 9) HOS/Safety, 10) HOS/Internal Audit cell, 11) HOS/Test Audit, 12) ALWC,
- 13) Chief Commissioner of Central Excise, 26/1, Mahatma Gandhi Road, Nungambakkam, Chennai – 600034.
- 14) Dy.Chief Labour Commissioner(c), No:26, III Block, 5thfloor,Shastri Bhavan, Haddows Road, Nungambakkam,Chennai – 600006.

Name of the work:	CONSTRUCTION OF NEW CLASS ROOMS (GF PLUS 1) IN VIJAYANTHA SENIOR SECONDARY SCHOOL AT HVF ESTATE, AVADI
Contract Agreement No:	<u>HVF/CE/VSS SCHOOL/CLASSROOM/PW/03/2024-25., dated 16-09-2024</u>

SCHEDULE – “A”					
Item Code	Item Description	Quantity	Unit	Rate/Unit	Total Cost
1	Earthwork excavation in hard / dense soil in trenches width and depth not exceeding 1.50 m and getting out.	460.00	CuM	600.00	276000.00
2	Earth work excavation in trenches exceeding 1.5m and not exceeding 3.0m in width and depth and getting out in hard / dense soil.	229.00	CuM	900.00	206100.00
3	Material and Labour for sand filling in foundation including watering and consolidation.	155.00	CuM	2495.00	386725.00
4	M & L for P.C.C 1:4:8, D2 type using 40mm graded aggregate in foundation.	160.00	CuM	6300.00	1008000.00
5	Material and Labour for Providing Anti-termite treatment along the external wall below concrete or masonry apron using chemical emulsion @ 2.25 litres per linear meter including drilling and plugging holes etc., in apron complete all as directed by EIC.	180.00	RM	102.00	18360.00
6	Material and Labour for providing Anti-termite treatment of soil under existing floors using emulsion @ one litre per hole, 300mm apart including drilling and plugging 12mm dia holes with cement mortar 1:2 (1 cement: 2 coarse sand) to match the existing floors.	550.00	SqM	242.00	133100.00
7	M & L for R.C.C A1 Type, 1: 1.5: 3 M20, 20mm graded aggregate in foundations, including rafts, footings, column, beam, plinth beams etc., (Concrete work should be use of Ready-Mix Concrete (RMC) of M/s. ULTRA-TEC / M/s. BIRLA / M/s. RAMCO / M/s. ACC / M/s. COROMANDAL / M/s. RMC (or) Suitably Equivalent make as approved by EIC. (minimum cement content shall be 350 kg per cum).	200.00	CuM	8700.00	1740000.00
8	M & L for R.C.C A1 Type, 1: 1.5: 3 M20, 20mm graded aggregate in columns, pillars, piers, posts and struts etc., (Concrete work should be use of Ready-Mix Concrete (RMC) of M/s. ULTRA-TEC / M/s. BIRLA / M/s. RAMCO / M/s. ACC / M/s. COROMANDAL / M/s. RMC (or) Suitably Equivalent make as approved by EIC. (minimum cement content shall be 350 kg per cum).	75.00	CuM	9900.00	742500.00

Item Code	Item Description	Quantity	Unit	Rate/Unit	Total Cost
9	M & L for R.C.C A1 Type, 1: 1.5: 3 M20, 20mm graded aggregate in beams, cantilevers, bressummers, lintels over 1.50m span etc., (Concrete work should be use of Ready Mix Concrete (RMC) of M/s. ULTRA-TEC / M/s. BIRLA / M/s. RAMCO / M/s. ACC / M/s. COROMANDAL / M/s. RMC (or) Suitably Equivalent make as approved by EIC. (minimum cement content shall be 350 kg per cum).	145.00	CuM	9600.00	1392000.00
10	M & L for R.C.C A1 Type, 1: 1.5: 3 M20, 20mm graded aggregate in Slabs supported on walls, beams and columns in floors, roofs, landings, balconies, canopies, deck slabs and in shelves and the like, etc., (Concrete work should be use of Ready Mix Concrete (RMC) of M/s. ULTRA-TEC / M/s. BIRLA / M/s. RAMCO / M/s. ACC / M/s. COROMANDAL / M/s. RMC (or) Suitably Equivalent make as approved by EIC. (minimum cement content shall be 350 kg per cum).	200.00	CuM	8900.00	1780000.00
11	Supply and fixing of mild steel reinforcement deformed or twisted bars including bending, cranking, hooking and tying with mild steel wire not less than 0.90mm dia. Use RINL-VIZAG Steel/SAIL/TATA-TISCON/"BIS"MARKED (or) Suitably Equivalent make as approved by EIC.	62000.00	KG	103.50	6417000.00
12	M & L for form work to side of RCC Member such as columns, pillars, etc., and the finishing shall be of fair finished surface.	850.00	SqM	640.00	544000.00
13	M & L for form work to sides and soffits of floor or roof beam, beam, lintels, cantilevers, shelves, columns, slabs including supports, overhangs etc., and the finishing shall be of fair finished surface.	1200.00	SqM	621.00	745200.00
14	M & L for form work to soffits rough finish flat surfaces of suspended slabs such as roof slabs, floor slabs, landings and similar work not exceeding 200mm thick (Horizontal or sloping) and the finishing shall be of fair finished surface.	1550.00	SqM	640.00	992000.00
15	M & L for Brick work built in CM.1:6 using good quality modular bricks / solid Concrete bricks. Bricks straight or curved on plan exc 6m mean radius.	490.00	CuM	7800.00	3822000.00
16	M & L for half Brick wall built in CM.1:4 using Sub-Class "B" Bricks.	100.00	SqM	800.00	80000.00
17	M & L for plastering in CM 1:4, 15mm thick on fair faces of brick work and concrete surfaces.	3800.00	SqM	330.00	1254000.00
18	M & L for plastering in CM 1:4, 12mm thick on RCC Ceiling.	2200.00	SqM	290.00	638000.00

Item Code	Item Description	Quantity	Unit	Rate/Unit	Total Cost
19	Material and Labour for providing a cement concrete (1:2:4) layer average thickness 40mm using B-0 type concrete and finishing the surface even and smooth without using extra cement.	1200.00	SqM	415.00	498000.00
20	Material and Labour for precast cement concrete 1:2:4, Type BO 12.5mm graded jallies 35 mm thick and set in cement mortar 1:6.	18.00	SqM	890.00	16020.00
21	Excavation of moorum/red bajiri from borrow pits for floors or pavings, Removal of excavated soils lead exc. 1.50 km but n exc. 5 km and depositing where directed. And refilling of soil / loose including spreading, laid in layers n exc. 15 cm thick leveling, watering and well ramming in layers where directed.	295.00	CuM	989.00	291755.00
22	Material and Labour for cement concrete 1:2:4 Type B1 20mm graded aggregate in foundation filling and mass concrete.	75.00	CuM	7900.00	592500.00
23	S & F of PVC 110mm dia Pipes single socketed, in any length with rubber ring joints laid in trenches or in floors.	150.00	RM	320.00	48000.00
24	S & F of PVC 110mm dia Pipes single socketed, in any length with rubber ring joints fixed to walls.	175.00	RM	330.00	57750.00
25	S & F of PVC Bend 110mm dia any radius.	22.00	Each	157.00	3454.00
26	PVC (SWR) reducers 110mm dia any radius.	16.00	Each	170.00	2720.00
27	Material and Labour for forming 12mm thick Expansion joints in 100 mm thick slab filled with pre-formed bituminous filler and top 30mm primed and sealed with sealing compound, Grade 'A.	60.00	Per 10 RM	728.00	43680.00
28	Supply and fixing of II nd class hardwood door frame, wrought framed rebated on the solid rounded or chamfered put together with glue pinned at joints.	1.10	CuM	109200.00	120120.00
29	Supply and fixing of plain, framed, paneled door shutters 40mm thick made out of II nd class hardwood.	40.00	SqM	2900.00	116000.00
30	Supply and fixing of holdfast made out of 25 X 6 mm flat fixed to window frame.	25.00	KG	200.00	5000.00
31	Supply and fixing of 125mm Butt hinges, extruded aluminium alloy with brass hinge pin, anodised and fixed, type B-21.	54.00	Each	320.00	17280.00
32	S & F of Aluminium aldrop bolt 300mm long with hasp, staple (Bolt type) and fixing clips.	18.00	Each	490.00	8820.00
33	S & F of 200mm Aluminum anodized barrel tower bolt.	36.00	Each	101.00	3636.00

Item Code	Item Description	Quantity	Unit	Rate/Unit	Total Cost
34	S & F of 150mm Aluminium anodized bow handle.	36.00	Each	66.00	2376.00
35	Supply and fixing of door stopper 150mm of aluminium alloy body and tongue, anodised, with hard drawn steel spring	18.00	Each	115.00	2070.00
36	M & L for painting to wooden surfaces of any description over 10cm width or girth with two coats of synthetic enamel paint over a coat of primer including preparing new wooden surfaces.	110.00	SqM	160.00	17600.00
37	Material and Labour for two coats of exterior plastic emulsion paint on surfaces of any description over 10cm girth or width, not otherwise described including preparation of new surface with one coat of primer. (ASIAN/NEROLAC/BERGER (or) Suitably Equivalent make as approved by EIC).	2400.00	SqM	160.00	384000.00
38	M & L for OBD two coats on walls after preparing the new painted surfaces with one coat of alkali resistant primer. (ASIAN/NEROLAC/BERGER (or) Suitably Equivalent make as approved by EIC).	2400.00	SqM	120.00	288000.00
39	M & L for white washing two coats on ceiling on newly prepared wall surfaces. (ASIAN/NEROLAC/BERGER (or) Suitably Equivalent make as approved by EIC).	2200.00	SqM	25.00	55000.00
40	Returning / refilling of hard / dense soil including spreading, leveling, watering and well ramming in layers not exceeding 25cm.	690.00	CuM	150.00	103500.00
41	Machine cut cudappah stone slab 20-25mm thick over cement screed base, laid and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete.	30.00	SqM	990.00	29700.00
42	Cutting holes in brick walls built in cement mortar Exc. half brick work but not exc. one brick for inserting hold fasts and making good dismantled portion in cement mortar 1:3 or cement concrete 1:2:4 type B1 as required.	250.00	Each	370.00	92500.00
43	Supply and fixing of Framed work Fe 410/ W (Grade - E-250) as in doors or gates of angle or other section with gusset plates, rails, braces, etc., complete, drilled for fixing of steel sheeting or other covering. Doors, etc. to be prepared for hanging or sliding with and including either hooks and hinges or steel hanging door fittings (exclusive of steel sheeting or other covering, running rails and guides) and hanging; also fastening and fixing complete.	6630.00	KG	135.00	895050.00

Item Code	Item Description	Quantity	Unit	Rate/Unit	Total Cost
44	Providing and fixing factory made uPVC white colour Sliding window Three track made of extruded profiles with wall thickness of 2.3mm ($\pm$ 0.2mm). Window profile with hollow section with multi chamber. Frame (88mm x 52mm), sliding sash (42mm x 67mm). Sliding mesh Sash (42mm x 57mm) Sliding interlock (One vertical length in each shutter) (45.5mm x 28mm), Glazing bead (24.5mm x 16mm) will be mitered cut and fusion welded at all corners, including drilling of holes for fixing hardware and drainage of water etc., making arrangement for fixing of hardware. EPDM gasket, 1.2$\pm$ 0.2mm thick galvanised steel Frame (30mm x 18mm) 2 nos, sliding sash (30mm x 18mm), sliding mesh sash (26mm x 10mm) profile to be inserted in required profile, frame will be fixed to the wall with 8mm x 100mm long fasteners, Hardware [Touch Lock of zinc alloyed (white powder coated), steel roller system. Stainless steel wire cloth 0.36mm nominal dia of wire and average width of aperture 1.40mm and required accessories]. (Note: The unit rate quoted by contractor excludes cost of glass and includes all other connected accessories. Net Opening will be measured for payment purpose). (A) Area not exceeding 2.00 sqm each and as approved and as directed.	141.00	SqM	9200.00	1297200.00
45	M & L for painting to steel surfaces of any description over 10cm width or girth with two coats of synthetic enamel paint over a coat of red oxide/ zinc chrome primer including preparing new surfaces.	175.00	SqM	160.00	28000.00
46	M & L for Non-skid Ceramic coloured tiles 7 to 8 mm thick (square/ rectangular) area of each tile exceeding 0.06 sqm but not exceeding 0.11 sqm, in floors etc., set and jointed in neat cement slurry and pointed in white or coloured cement to match including Screed bedding 1:4, 15mm thick for laying floor finishes.	25.00	SqM	1600.00	40000.00
47	M & L for Glazed Ceramic Coloured tiles of size 300x 200 x 7mm thick on vertical faces, set and jointed in neat cement slurry and pointed out in white or coloured cement to match as required at site on walls including plastering in CM 1:4 10mm thick on existing walls for fixing tiles.	60.00	SqM	1700.00	102000.00

Item Code	Item Description	Quantity	Unit	Rate/Unit	Total Cost
48	S & F of Factory made solid panel PVC Door shutter 30mm thick (style) consisting of frame made out of M.S tubes for top & bottom rails. M.S. Frame shall be covered with heat moulded plain colour PVC 'C' channel having a PVC sheet strip of 20mm width stuck inside with solvent cement for stiles and plain colour PVC sheets for Top rail, lock rail & bottom rail on either side & gap insert for top rail & bottom rail. Paneling of plain colour PVC sheet to be fitted in the M.S. Frame welded / sealed to stiles & rails with suitable PVC sheet beading and jointing together and including fixing to frame with hinges, tower bolt, handle all complete and as directed.	6.00	SqM	2800.00	16800.00
49	Supply and fixing of solid PVC door frame made out of 5mm plain colour PVC sheet reinforced with M.S. square tube, fixing in the opening as per the specification and drawing.	20.00	RM	510.00	10200.00
50	S & F of 125mm Aluminium Butt hinges, extruded aluminium alloy anodised and fixed, type B-21.	12.00	Each	240.00	2880.00
51	S & F of 150mm Extruded aluminium alloy handles, fabricated type, anodised.	8.00	Each	101.00	808.00
52	S & F of 150mm Aluminium anodized barrel tower bolt.	8.00	Each	88.00	704.00
53	S & F of Bib Taps bore dia pipe 15mm, cast copper alloy with crutch or butterfly handle, screwed for iron pipe or for brass ferrule fancy type and chromium plated.	4.00	Each	700.00	2800.00
54	S & F of 20mm Angle/Stop Taps, cast copper alloy with long shank and cup (concealed type).	5.00	Each	505.00	2525.00
55	S & F of Vitreous China IWC Squat pan (Orissa pattern) Size 580 x 440mm white / colour with integral foot rests including lime concrete bed and finishing etc., with 10 lit flushing tank fixing and complete as directed.	2.00	Each	3900.00	7800.00
56	S & F of EWC (Parryware or equivalent) make white / colour including pipes for connection and flush tank capacity 10 litres including all necessary fitting complete in all respect as directed.	2.00	Each	5740.00	11480.00
57	Supply and fixing of Health facet chromium plated ("ESS YES VICTORIAN" Make (or) Suitably Equivalent make as approved by EIC).	2.00	Each	1200.00	2400.00
58	Supply and fixing of vitreous china wash basin 550 x 445 of cascade type of superior glass finish laid on Granite top including 15 mm dia waste chain and plug and porcelain stopper.	4.00	Each	2700.00	10800.00
59	Supply and fixing of towel rake (Jaguar Make (or) Suitably Equivalent make as approved by EIC).	4.00	Each	438.00	1752.00

Item Code	Item Description	Quantity	Unit	Rate/Unit	Total Cost
60	M & L for PVC multi floor trap diameter of outlet in 75mm, with grating including jointing with solvent cement.	3.00	Each	450.00	1350.00
61	M & L for PVC Gully trap 125/110mm of dia, setting and jointing with solvent cement.	4.00	Each	334.00	1336.00
62	S & F of PVC Vent Cowl 110mm dia.	4.00	Each	90.00	360.00
63	S & F of PVC 75mm dia Pipes single socketed, in any length with rubber ring joints laid in trenches or in floors.	22.00	RM	240.00	5280.00
64	S & F of PVC Bend with door 75mm dia any radius.	24.00	Each	180.00	4320.00
65	S & F of Rotational moulded polyethylene water storage tanks 1000 Lit (cylindrical vertical with closed top) hoisted and fixed in position including all fittings such as nipple, ball valve etc., all as specified in SSR Part - I	6.00	Each	10360.00	62160.00
66	S & F of Gun-metal, globe or gate valves 50 mm, with iron wheel head, screwed both ends for iron pipe and fixed.	2.00	Each	655.00	1310.00
67	S & F of Gun-metal, globe or gate valves 32mm , with iron wheel head, screwed both ends for iron pipe and fixed.	2.00	Each	840.00	1680.00
68	S&F for 25mm Ball brass valves, high pressure, with polythene float and flynut complete, screwed for iron pipe or brass ferrule and fixed.	5.00	Each	615.00	3075.00
69	S & F of Unplasticiscd PVC pipes 25mm dia of pressure rating 10 kgf/cm ² laid in trenches.	80.00	RM	82.00	6560.00
70	S & F of Unplasticiscd PVC pipes 32mm dia of pressure rating 10 kgf/cm ² laid in trenches.	75.00	RM	140.00	10500.00
71	Supply and fixing of sheet Glass 5.50mm quality and glazing with oil putty in square exc 0.5Sqm in each pane ground or obscured or tinted on one side and as approved and as directed by EIC.	180.00	SqM	1500.00	270000.00
72	Material and Labour for Point wiring with 1.5 sq.mm PVC insulated sheathed single core cable 1100V grade confirming to IS 694 multi strand copper conductor along with 2mm thick PVC conduit accessories run on wall or roof including M.S. switch box concealed in the wall (made out of 2mm thick sheet) and laminated sun mica sheet 3mm thick cover for housing the switches, regulators and plug socket etc., mount on a wall/roof etc., including 1.5/2.5 sq.mm multistrand copper earth continuity wire. (Make: Orbit/ Kundan/ Finolex/ Polycab or suitably equivalent make). a) One light point or one fan point controlled by one switch with cables 1.5 sq.mm size.	220.00	Point	1100.00	242000.00

Item Code	Item Description	Quantity	Unit	Rate/Unit	Total Cost
73	Material and Labour for Point wiring with 1.5 sq.mm PVC insulated sheathed single core cable 1100V grade confirming to IS 694 multi strand copper conductor along with 2mm thick PVC conduit accessories run on wall or roof including M.S. switch box concealed in the wall (made out of 2mm thick sheet) and laminated sun mica sheet 3mm thick cover for housing the switches, regulators and plug socket etc., mount on a wall/roof etc., including 1.5/2.5 sq.mm multistrand copper earth continuity wire. (Make: Orbit/ Kundan/ Finolex/ Polycab or suitably equivalent make). b) One 3 pin socket outlet 5 amps on the same board with other switches, with cables 1.5 sq.mm size.	60.00	Point	300.00	18000.00
74	Material and Labour for Point wiring with 1.5sqmm PVC insulated sheathed single core cable 1100V grade confirming to IS 694 multi strand copper conductor along with 2mm thick PVC conduit accessories run on wall or roof including M.S. switch box concealed in the wall (made out of 2mm thick sheet) and laminated sun mica sheet 3mm thick cover for housing the switches, regulators and plug socket etc., mount on a wall/roof etc., including 1.5/2.5 sq.mm multistrand copper earth continuity wire. (Make: Orbit/ Kundan/ Finolex/ Polycab or suitably equivalent make). c) One 3 pin socket outlet 5 amps independent, with cables 2.5 sq.mm size.	25.00	Point	1300.00	32500.00
75	Supply, fixing and connecting to the system modular switch, 1 way, 10A, 1 Module (Make: LEGRAND MYRIUS/ Litaski/ Crabtree or Suitably equivalent make).	280.00	Each	160.00	44800.00
76	Supply, fixing and connecting to the system of Modular socket, 6A-2/3 pin combined, 2 Module (Make: LEGRAND MYRIUS/ Litaski/ Crabtree or suitably equivalent make).	60.00	Each	400.00	24000.00
77	Supply, fixing and connecting to the system modular switch one-way 16A, 1 module (Make: LEGRAND MYRIUS/ Litaski/ Crabtree or suitably equivalent make).	24.00	Each	400.00	9600.00
78	Supply, fixing and connecting to the system of Modular socket, 6/16A-2/3 pin combined modular, 2 Module (Make: LEGRAND MYRIUS/ Litaski/ Crabtree or suitably equivalent make).	24.00	Each	610.00	14640.00
79	Material & Labour for ceiling rose, 3 Phase/PVC/ polycarbonate, isolated body (ANCHOR / LEGRAND/ HAVELLS or suitably equivalent make).	214.00	Each	47.00	10058.00

Item Code	Item Description	Quantity	Unit	Rate/Unit	Total Cost
80	Supply & fixing of wiring for circuit/sub main wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/recessed as required. (Make: Orbit/ Kundan/ Finolex/ Polycab or suitably equivalent make). a) 2x2.5 sqmm + 1x2.5 sqmm earth wire.	350.00	RM	230.00	80500.00
81	Supply & fixing of wiring for circuit/sub main wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/recessed as required. (Make: Orbit/ Kundan/ Finolex/ Polycab or suitably equivalent make). b) 4x6.0 sq. mm + 1x6.0 sq. mm earth wire.	170.00	RM	490.00	83300.00
82	Supply & fixing of wiring for circuit/sub main wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/recessed as required. (Make: Orbit/ Kundan/ Finolex/ Polycab or suitably equivalent make). c) 4x16.0 sq. mm +1x16.0 sq. mm earth wire.	25.00	RM	990.00	24750.00
83	Material and Labour for Brick walls cutting chases, pinning in, making good to facing where required and pointing in cement mortar 1:3 to ends and cutting chases for concealed conduit wiring, etc., and making good, cutting exc. 10 cm but not exc. 20 cm grith.	254.00	RM	60.00	15240.00
84	Supply & fixing of modular white cover plate with frame 2 module.	4.00	Each	225.00	900.00
85	Supply & fixing metal flush box for 2 module plate.	4.00	Each	205.00	820.00
86	Supply & fixing of 4 module modular white cover plate with frame.	1.00	Each	300.00	300.00
87	Supply & fixing of metal flush box for 4 module plate.	1.00	Each	255.00	255.00
88	Supply & fixing of 6 module modular white cover plate with frame.	12.00	Each	360.00	4320.00
89	Supply & fixing of metal flush box for 6 module plate.	12.00	Each	330.00	3960.00
90	Supply & fixing of 8 module plate with frame.	1.00	Each	430.00	430.00
91	Supply and fixing ceiling fans complete with blades, down rods, electronic regulator and accessories, 230 V, 1200 mm sweep. Min air delivery 210 CFM with service value 6.00 BEE. Five star rated with brushless direct current motor (BLDC) [Make: Usha/ Crompton/ Atomberg/ Havells/ Orient] or suitably equivalent make.	78.00	Each	3345.00	260910.00

Item Code	Item Description	Quantity	Unit	Rate/Unit	Total Cost
92	Excavating in trenches hard dense soil not exceeding 1.5 m wide and not exceeding 1.5 m in depth for laying cable.	22.00	CuM	600.00	13200.00
93	Material & Labour for sand filling for cushioning on U.G cable.	4.50	CuM	2480.00	11160.00
94	Material & Labour for Bricks (Old size Bricks); common burnt clay building bricks sub class B designation 75 for protection to U.G cable.	0.90	Per 1000 Nos.	7020.00	6318.00
95	Returning, refilling of hard dense soil in the excavated trench after laying of power cable including spreading levelling, watering and well ramming in layers not exc 25 cm.	22.00	CuM	139.00	3058.00
96	Supply, laying or fixing with suitable clamps or passing through pipe, PVC insulated, armoured, heavy duty electric cable with aluminium conductor, 1100 volts grade, cross sectional area 50 sqmm, 3.5 core. (Make: ORBIT/ Polycab/ Finolex/ Havells/ NICCO or suitably equivalent make).	146.00	RM	368.00	53728.00
97	Demolition of cement concrete / Bitumen Road of any description and in any position not otherwise specifically provided for.	1.00	CuM	1800.00	1800.00
98	Material & Labour for cement concrete 1:2:4 Type B1 using 20mm graded aggregate in foundations, filling and mass concrete.	1.00	CuM	8225.00	8225.00
99	Supply, fixing & connecting to the system of Sheet metal enclosures with double door DB's when MCB'S to be used Triple pole & neutral 4 way with 200 Amps rated busbar, 415V (Make: Legrand/Havells or suitably equivalent make).	1.00	Each	3340.00	3340.00
100	Supply, fixing & connecting to the system of Sheet metal enclosures with double door DB's when MCB'S to be used single pole & neutral 8 way with 200 Amps rated busbar, 230V (Make: Legrand/Havells or suitably equivalent make).	4.00	Each	2400.00	9600.00
101	Supply and fixing 415V 10KA 'B' curve miniature circuit breaker (MCB) of following poles and current carrying capacity in the DB complete with connection testing and commissioning. TP (Triple pole) 25 To 63 AMP (Make: Legrand/ Havells/ ABB or suitably equivalent make).	8.00	Each	2140.00	17120.00
102	Supply and fixing 415V 10KA 'B' curve miniature circuit breaker (MCB) of following poles and current carrying capacity in the DB complete with connection testing and commissioning. TPN/FP (Triple pole & Neutral) 40 To 100 AMP (Make: Legrand/ Havells/ ABB or suitably equivalent make).	2.00	Each	2960.00	5920.00

Item Code	Item Description	Quantity	Unit	Rate/Unit	Total Cost
103	Supply and fixing 240V, 10 KA 'B' curve miniature circuit breaker (MCB) of single poles and current carrying capacity 6 to 32 AMP, in the MCB DB Complete with connection testing and commissioning. (Make: Legrand/ Havells/ ABB or suitably equivalent make).	24.00	Each	290.00	6960.00
104	Supply and fixing LED lights fitting 1x 20W, 220V, AC decorative box type with driver, holder including LED tube light connecting up with three core flexible copper conductor cable of suitable size from ceiling rose complete. (Make: PHILIPS/ CG/ Havells/ Wipro or suitably equivalent make).	168.00	Each	1630.00	273840.00
105	Supply & fixing of MCCB 3 pole 415 Volt, fixed type 125 Amps, with breaking capacity 16KA. (Make: LEGRAND/ HAVELLS/ ABB or suitably equivalent make).	1.00	Each	4500.00	4500.00
106	Supply & fixing metal flush box for 8 module plate.	1.00	Each	137.00	137.00
107	Supply & fixing of 12 module plate with frame and metal flush box.	14.00	Each	460.00	6440.00
108	Supply & fixing of 16 module plate with frame and metal flush box.	15.00	Each	510.00	7650.00
109	Supply & fixing of modular type Dummy plate.	25.00	Nos	25.00	625.00
110	Supply & fixing of MCB DB 4 way (DPX160+12) Legrand make as per Legrand 2010 catalogue No.607790 or ABB / Havells or suitably equivalent make).	1.00	Each	9996.00	9996.00
111	Supply, fixing & connecting of the system cable end termination of size 50 sqmm, 3.5 core including with suitable cable gland & lugs.	4.00	Each	330.00	1320.00
112	Supply & fixing of LED street light fitting with pipe and clamps complete, minimum 7000 Lumens, power consumption 72 watts(maximum). (Make: PHILIPS /GE / WIPRO/ CG/ OSRAM / BAJAJ/ HAVELLS/ SYSKA or suitably equivalent make).	2.00	Each	6900.00	13800.00
Gross Total of Items			Rs. 2,91,05,616.00 /-		


 (K. TULASI RAO)
 JT. GENERAL MANAGER / IMS
 For CHIEF GENERAL MANAGER / HVF

TERMS & CONDITIONS:

1 Special Condition: The Material required for the subject work which be brought inside the factory by the contractors, should be noted along with challan / vouchers etc., and a copy of the same are to be given to the engineering office for record and copy to be submitted to the contractors along with the bill while claiming the payment.

2 Payment Clause: The contractor has to pay the minimum daily wages to the skilled/semi-skilled/unskilled labourers engaged in their work as has been specified by the Government, latest rate and displayed in the wages notice Board at factory.

3 Safety Clause: Annexure-B of MES Safety Code, IAFW 2249 must be observed in general. Work Permit shall be obtained for overhead/hazardous work condition. All the safety precautions/measures have to be taken by the contractor. However, a few points of safety measures to be followed for working at height and on the roof are mentioned hereby:

Use of safety belt and helmet of proper quality is mandatory for all workers working on roofs at height of above 5.00 meters and also in the underground areas. Safety belt with life line should be properly tied at some firm support.

(i) In case any difficulty is faced in proper fastening and securing of safety belt, a safety net may be provided below the work spot so that in case of accident fall, there might not be any fatality.

(ii) A crawling ladder or roof walker must be used for movement on Asbestos/CGI roofing.

(iii) Work Permit system should be followed in proper spirit. Contractors shall start the work after obtaining the Work Permit, wherever applicable. Contractor's supervisor and site-in-charge should brief on safety precautions to be observed by the workmen before start of the work. The workers should be clearly explained about the danger of standing or sitting on an apparently stout & new and neat looking asbestos/CGI sheet which is intrinsically weak.

(iv) The contractor shall clear the site after completion of work.

(v) The contractor must employ the labour force duly insured against life risk.

(vi) The contractors shall ensure compliance of all applicable statutory rules and regulations.

4 DEVIATION CLAUSE:

(i) $\pm 25\%$ of value of individual item other than freakishly rate quoted items.

(ii) For freakishly higher or lower rate quoted items it shall be $\pm 5\%$.

(iii) 20% of Work Order value (Contract value maximum Rs.10 lakhs)

10% of Work Order value (Contract value exceeding Rs.10 lakhs)


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