

ACCEPTANCE LETTER No: MINUTES OF AVNL WWA MEETING HELD ON 07-06-2024

To

VIJAYALAKSHMI ENTERPRISES,
33, VINAYAKAR KOIL STREET, MITTANAMALLI,
KANDIGAI, AVADI, IAF,
CHENNAI - 600055

Dear Sirs,

Type of Work: ITEM RATE

Sub : **CONSTRUCTION OF AVNL WWA OFFICE IN FRONT OF IOLAV, AVNL ESTATE, AVADI**

Ref: (i) Fy Tender No. HVF/TE/WWA/AVNL/2024-25/01, dated 30-04-2024 with Tender ID: 2024_AVNL_194439_1
(ii) Your Bid: 701338 in this tender & Price reduction offered vide email dt 04-06-2024.

For and on behalf of AVNL, WWA, AVADI, I hereby convey the acceptance of your tender by the competent financial authority for the above mentioned work for a total value of Rs. 1,02,79,513 /- (Rupees One Crore Two Lakhs Seventy Nine Thousand Five Hundred and Thirteen 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, is given in Schedule 'B'.

2. The contract is allotted with No. **HVF/CE/WWA/AVNL/PW/01/2024-25., dated 14-06-2024** 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. 2,22,300 /- (Rupees Two Lakhs Twenty Two Thousand and Three Hundred Only) in favour of "The Chairperson, AVNL, WWA, 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.G.Ananda Kumar, WM / IMS is nominated as Engineer-in-Charge. (1) Shri.K.Ravichandran, JWM(SG) / IMS(E) and (2) Shri. S. Anandan, Ch-M/IMS/EE(E) are nominated as Site In-charges for the subject work respectively.

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 :

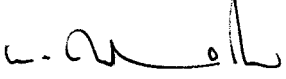
1. CHAIRPERSON AVNL WWA, Avadi, Chennai - 600054
2. Shri.G.Ananda Kumar, WM / IMS - Engineer -In Charge
3. Shri.K.Ravichandran, JWM(SG) / IMS(E) - Site -In Charge
4. Shri. S. Anandan, Ch-M/IMS/EE(E) - Site -In Charge
5. Shri. Pranjit Bhagabati, DGM / IMS - Technical Examiner

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

Work Order/Deviation Order No	HVF/CE/WWA/AVNL/PW/01/2024-25., dated 14-06-2024
Acceptance letter No.	MINUTES OF AVNL WWA MEETING HELD ON 07-06-2024
Contractor's Name	VIJAYALAKSHMI ENTERPRISES
Name of the work	CONSTRUCTION OF AVNL WWA OFFICE IN FRONT OF IOLAV, AVNL ESTATE, AVADI
CA amount	Rs. 1,02,79,513 /-

PARTICULARS

1. Authority	Decision of AVNL WWA MEETING
2. Brief Description of work to be carried out	As per details in sheet attached and adhering to your firm Bid No. 701338 in this tender & Price reduction offered vide email dated 04-06-2024 in HVF/TE/WWA/AVNL/2024-25/01, dt 30-04-2024, 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	24/06/2024
b. Date of commencement of work	24/06/2024
c. Date of Completion as per contract	19/02/2025
d. Date for completion shown in previous Orders	NA
e. Revised date of completion	NA
4. Financial effect (Rs.)	
a. Present order	Rs. 1,02,79,513 /-
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	AVNL WWA
6. Certified that no special rate is involved	
7. Technical Examiner	Shri. Pranjit Bhagabati, DGM / IMS
8. Approved	Shri. K. Tulasi Rao, Jt.GM / IMS
9. Accepted	VIJAYALAKSHMI ENTERPRISES


(K. TULASI RAO)

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

Distribution to :--

- 1) VIJAYALAKSHMI ENTERPRISES
- 2) CHAIRPERSON AVNL WWA, Avadi, Chennai – 600054
- 3) CO-CHAIRPERSON AVNL WWA, Avadi, Chennai – 600054
- 4) SECRETARY AVNL WWA, Avadi, Chennai – 600054
- 5) Sr. Security Officer
- 6) Shri.G.Ananda Kumar, WM / IMS - Engineer -In Charge
- 7) Shri.K.Ravichandran, JWM(SG) / IMS(E) - Site -In Charge,
- 8) Shri. S. Anandan, Ch-M/IMS/EE(E) - Site -In Charge
- 9) Shri. Pranjit Bhagabati, DGM / IMS - Technical Examiner
- 10) HOS/Safety, 11) HOS/Internal Audit cell, 12) HOS/Test Audit, 13) ALWC,
- 14) Chief Commissioner of Central Excise, 26/1, Mahatma Gandhi Road, Nungambakkam, Chennai – 600034.
- 15) Dy.Chief Labour Commissioner(c), No:26, III Block, 5th floor, Shastri Bhavan, Haddows Road, Nungambakkam, Chennai – 600006.

Name of the work: **CONSTRUCTION OF AVNL WWA OFFICE IN FRONT OF IOLAV, AVNL ESTATE, AVADI**

Contract Agreement No: **HVF/CE/WWA/AVNL/PW/01/2024-25., dated 14-06-2024**

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.	230.00	CuM	725.00	166750.00
2	Earth work excavation in trenches exceeding 1.50 m and not exceeding 3.0 m in width and depth and getting out in hard/dense soil.	30.00	CuM	825.00	24750.00
3	Material and labour for sand filling in foundation including watering and consolidation.	60.00	CuM	2100.00	126000.00
4	M & L for P.C.C 1:4:8, D2 type using 40mm graded aggregate in foundation.	60.00	CuM	6900.00	414000.00
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.	90.00	RM	99.00	8910.00
6	M&L 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.	375.00	SqM	240.00	90000.00
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, roof slab etc., complete all as directed by EIC.	50.00	CuM	8500.00	425000.00
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 complete all directed by EIC.	17.00	CuM	9400.00	159800.00
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., complete all as directed by EIC.	30.00	CuM	9100.00	273000.00
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., complete all as directed by EIC.	50.00	CuM	8500.00	425000.00

Item Code	Item Description	Quantity	Unit	Rate/Unit	Total Cost
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.	14700.00	Kg	97.00	1425900.00
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.	175.00	SqM	750.00	131250.00
13	M & L for form work to flat surfaces 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.	450.00	SqM	599.00	269550.00
14	M & L for form work to soffits rough finish 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.	360.00	SqM	625.00	225000.00
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.	125.00	CuM	7400.00	925000.00
16	Material & Labour for half Brick wall built in CM.1:4 using Sub-Class "B" Bricks.	50.00	SqM	800.00	40000.00
17	M & L for plastering in CM 1:4, 15mm thick on fair faces of brick work and concrete surfaces.	1200.00	SqM	315.00	378000.00
18	M & L for plastering in CM 1:4, 12mm thick on RCC Ceiling.	350.00	SqM	295.00	103250.00
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.	280.00	SqM	425.00	119000.00
20	Material and labour for precast cement concrete, Type BO (1:2:4) jallies 35 mm thick and set in cement mortar 1:6.	22.00	SqM	850.00	18700.00
21	Excavation of moorum/red bajiri from borrow pits for floors or pavings. Removal of excavated soils lead exceeding 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.	170.00	CuM	1350.00	229500.00
22	Material and labour for cement concrete 1:2:4 Type B1 20mm graded aggregate in foundation filling and mass concrete.	22.00	CuM	7500.00	165000.00

Item Code	Item Description	Quantity	Unit	Rate/Unit	Total Cost
23	S & F of PVC 110mm dia Pipes single socketed, in any length with rubber ring joints laid in trenches or in floors.	40.00	RM	238.00	9520.00
24	S & F of PVC 110mm dia Pipes single socketed, in any length with rubber ring joints fixed to walls.	120.00	RM	244.00	29280.00
25	S & F of PVC Bend 110mm dia any radius.	22.00	Each	130.00	2860.00
26	PVC (SWR) reducers 110mm dia any radius.	16.00	Each	145.00	2320.00
27	S & F of 1 st class hard wood door frame, wrought framed rebated on the solid rounded or chamfered put together with glue pined at joints.	0.50	CuM	195000.00	97500.00
28	S & F of plain, framed, paneled door shutters 40mm thick made out of 1 st class hard wood.	22.00	SqM	5300.00	116600.00
29	Supply and fixing of holdfast made out of 25 X 6 mm flat fixed to window frame.	20.00	Kg	195.00	3900.00
30	Supply and Fixing of Brass Butt hinges type B-12 of 125mm length.	32.00	Each	265.00	8480.00
31	Supply and Fixing of brass barrel tower bolts with barrel of extruded section and rolled or cast bolts and fixed 200mm long.	12.00	Each	345.00	4140.00
32	Supply and Fixing of Extruded Brass Handles fabricated type polished of 150mm length	20.00	Each	275.00	5500.00
33	Supply and Fixing of Brass 4 levers Mortice lock vertical type of Size 100mm	4.00	Each	800.00	3200.00
34	Supply and Fixing of Brass door stopper 150mm length.	18.00	Each	285.00	5130.00
35	Supply and fixing of Door closure hydraulically regulated designation No.3 universal or hard drawn type of Aluminum extruded body.	8.00	Each	1550.00	12400.00
36	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 painted surface with one coat of primer of priming paints on plaster coat 143.2(ASIAN / NEROLAC / BERGER) or Suitably Equivalent make as approved by EIC.	700.00	SqM	145.00	101500.00
37	M&L for applying 3mm thick wall care putty on wall (Make shall be of JK white putty or Birla white wall care putty) or Suitably Equivalent make as approved by EIC.	650.00	SqM	95.00	61750.00
38	M&L for applying two coats of plastic emulsion on internal wall surfaces including preparation of old wall surfaces complete all as directed. (Make: Asian / Berger) or Suitably Equivalent make as approved by EIC.	650.00	SqM	135.00	87750.00

Item Code	Item Description	Quantity	Unit	Rate/Unit	Total Cost
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.	350.00	SqM	27.00	9450.00
40	Returning / refilling of soil / loose including spreading, leveling, watering and well ramming in layers not exceeding 25cm.	230.00	CuM	150.00	34500.00
41	Cutting holes in brick walls built in cement mortar Exc. half brick 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.	32.00	Each	375.00	12000.00
42	S & F of Framed work Fe-415W (Gde-E-250) Quality "A" 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.	650.00	Kg	135.00	87750.00
43	Providing and fixing factory made uPVC white colour Sliding window Three track made of extruded profiles with wall thickness of 2.3mm (± 0.2 mm). 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 shutters) (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) 2nos, 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.	20.00	SqM	12500.00	250000.00

Item Code	Item Description	Quantity	Unit	Rate/Unit	Total Cost
44	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.	20.00	SqM	130.00	2600.00
45	Supply and fixing of Sheet glass ordinary quality 5.50mm thick and glazing with oil putty in square not exceeding 0.5 sq.m in each pane.	18.00	SqM	999.00	17982.00
46	S & F of 15mm Bib Taps, cast copper alloy with crutch or butterfly handle, screwed for iron pipe or for brass ferrule fancy type and chromium plated.	7.00	Each	700.00	4900.00
47	S & F of 20mm Stop Valves, Cast Copper alloy, screwed down, high pressure, with crutch or butterfly handle, screwed both ends for iron pipe or for unions and fixed.	18.00	Each	500.00	9000.00
48	Providing and fixing in position Toilet Wall mounted Coupled Closet, including soft seat cover, concealed flush tank etc. (Make : JAGUAR / KOHLER / DURAVIT) or Suitably Equivalent make as approved by EIC.	4.00	Each	40000.00	160000.00
49	Diverter with hand shower and rain shower of 200mm dia.	4.00	Each	20000.00	80000.00
50	Providing and fixing Counter sunk wash basins, waste coupling. Cost incl. of providing and fixing of bottle traps, angle valve, Teflon tape etc. complete as directed by the architects. (Make: GUAR / KOHLER / DURAVIT) or Suitably Equivalent make as approved by EIC.	3.00	Each	10800.00	32400.00
51	Supply and fixing of Angle Cock (15mm) with pipe (Jaguar make) or Suitably Equivalent make as approved by EIC.	18.00	Each	1500.00	27000.00
52	Supply and fixing of PVC connections 15mm size with PTMT nuts of length 450mm.	8.00	Each	150.00	1200.00
53	Supply and fixing of Health facet chromium plated (ESS YES VICTORIAN" Make) or Suitably Equivalent make as approved by EIC.	4.00	Each	999.00	3996.00
54	Supply and fixing of towel rake (Jaguar Make) or Suitably Equivalent make as approved by EIC.	4.00	Each	3540.00	14160.00
55	Supply and fixing of towel Ring of Make (Jaguar Make). or Suitably Equivalent make as approved by EIC.	1.00	Each	1365.00	1365.00
56	Supply and Fixing of Soap dish fixed with chromium plate brass screws and wooden/plastic cleats (Make parryware / Jaguar) or Suitably Equivalent make as approved by EIC.	4.00	Number	1090.00	4360.00

Item Code	Item Description	Quantity	Unit	Rate/Unit	Total Cost
57	S & F of Looking Mirror of any size as required at site selected quality glass, mount on 6mm thick AC building board or commercial plywood and fixed to wooden plugs with chromium plated brass.	5.00	SqM	1300.00	6500.00
58	M & L for Vitrified Ceramic tiles light / dark Shade double charged 10 mm thick in Floors (square/ rectangular) polished, area of each tiles exceeding 0.42 sqm but not exceeding 1.00 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 as approved and directed by EIC.	320.00	SqM	1990.00	636800.00
59	Supply and Fixing of Colored Non-Skid ceramic tiles not less than 7mm thick (Square /rectangular) area of each tile exceeding 0.18 sqm but not exceeding 0.38 sqm in floors etc., set and jointed in neat cement slurry and pointed in white or coloured cement to match and screed bed or bedding layer in CM1:3, 20 mm thick for laying floor finishes.	40.00	SqM	1725.00	69000.00
60	M & L for Vitrified Ceramic tiles Dark Shade 10 mm thick in Floors (square/ rectangular) polished, area of each tiles exceeding 0.42 sqm but not exceeding 1.00 sqm, in wall surfaces 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.	75.00	SqM	1990.00	149250.00
61	M & L for PVC multi floor trap diameter of outlet in 75mm, with grating including jointing with solvent cement.	5.00	Each	400.00	2000.00
62	M & L for PVC Gully trap 125/110mm of dia, setting and jointing with solvent cement.	4.00	Each	300.00	1200.00
63	S & F of PVC Vent Cowl 110mm dia.	2.00	Each	125.00	250.00
64	S & F of PVC 75mm dia Pipes single socketed, in any length with rubber ring joints laid in trenches or in floors.	25.00	RM	185.00	4625.00
65	S & F of PVC Bend with door 75mm dia any radius.	6.00	Each	145.00	870.00
66	S & F of Rotational moulded polyethylene water storage tanks 1000Lit (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	3.00	Each	9000.00	27000.00

Item Code	Item Description	Quantity	Unit	Rate/Unit	Total Cost
67	S & F of Stop Valves, Cast Copper alloy, screwed down, high pressure, with crutch or butterfly handle, screwed both ends for iron pipe or for unions and fixed, fancy type, chromium plated with long shank and cup (Concealed type).	3.00	Each	999.00	2997.00
68	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
69	M & L for 25mm Ball brass valves, high pressure, with polythene float and flynut complete, screwed for iron pipe or brass ferrule and fixed	4.00	Each	550.00	2200.00
70	S & F of Unplasticised PVC pipes 25mm dia of pressure rating 10 kgf/cm ² laid in trenches	50.00	RM	90.00	4500.00
71	S & F of Unplasticised PVC pipes 32mm dia of pressure rating 10 kgf/cm ² laid in trenches	45.00	RM	125.00	5625.00
72	Cutting chases in Brick walls, pinning in. making good to facings where required and pointing in cement mortar 1:3 to ends or edges of landings, steps, cills, sunshades, shelves, lintels, etc.; and cutting chases for concealed water tubing or concealed conduit wiring, etc., and making good, cutting not exc 10 cm girth.	60.00	RM	57.00	3420.00
73	Supply and Fixing of Stainless steel sink with draining board, made out of 1.00mm thick sheet for kitchen or laboratory with plug, washers waste pipe, cast iron cantilever brackets, connecting union overall size 915mmx460mm with bowl size 410mm x 330mm x 160mm complete all as directed by EIC.	1.00	Each	5500.00	5500.00
74	Supply and fixing of Cement concrete Tiles 20cmx20cmx20mm thick with grey cement and pigment machine pressed with screed bed or bedding layer in CM 1:3, 15mm thick and pointed in neat cement slurry in floors and cut polished.	240.00	SqM	1500.00	360000.00
75	Material and labour for cement concrete 1:2:4 Type B1 20mm graded aggregate in foundation filling and mass concrete.	30.00	CuM	7450.00	223500.00
76	Supply and Fabrication of Steel work in tubular trusses including special shaped washer etc. complete using ERW or induction butt welded tubes conforming to I.S.1161- 1979 grade St.-240	2200.00	Kg	145.00	319000.00
77	Supply and Fixing of pre-painted galvalume aluminium zinc coating GI based corrugated steel sheet 0.50mm (TCT) thick of any colour having tensile strength of 550Mpa as in roof covering /cladding to wall fixed with self-tapping screws as specified.	125.00	SqM	850.00	106250.00

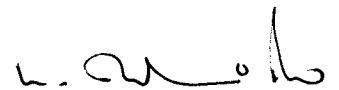
Item Code	Item Description	Quantity	Unit	Rate/Unit	Total Cost
78	M&L Painting on steel surfaces of any description, with 2 coats of synthetic enamel paint and one coat of primer Red Oxide) and preparation of new surfaces etc., as directed.	45.00	SqM	135.00	6075.00
79	Material and labour for Point wiring with FRLS 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 3mm 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 16SWG bare/ 1 sqmm multistrand copper earth continuity wire. (Make: Finolex / Orbit / Kundan / Havells / Polycab) or Suitably Equivalent make as approved by EIC. a) One light point controlled by one switch light/fan.	80.00	Point	1100.00	88000.00
80	Material and labour for Point wiring with FRLS 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 3mm 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 16SWG bare/ 1 sqmm multistrand copper earth continuity wire. (Make: Finolex / Orbit / Kundan / Havells / Polycab) or Suitably Equivalent make as approved by EIC. b) One 3 pin plug socket with switches flush type 5A on same board with 2.5sqmm cable.	56.00	Point	300.00	16800.00
81	Material and labour for Point wiring with FRLS 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 3mm 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 16SWG bare/ 1 sqmm multistrand copper earth continuity wire. (Make: Finolex / Orbit / Kundan / Havells / Polycab) or Suitably Equivalent make as approved by EIC. c) One 3 pin plug socket with switches flush type 6A on independent board with 2.5sqmm cable.	15.00	Point	1200.00	18000.00

Item Code	Item Description	Quantity	Unit	Rate/Unit	Total Cost
82	Supply, fixing and connecting to the system modular type switches 6A single pole one way (Make: LEGRAND MYRIUS / Litaski / Crabtree) or Suitably Equivalent make as approved by EIC.	134.00	Each	250.00	33500.00
83	Supply, fixing and connecting to the system of socket, 6A-2/3 pin combined modular type 2 module (Make: LEGRAND MYRIUS / Litaski / Crabtree) or Suitably Equivalent make as approved by EIC.	54.00	Each	335.00	18090.00
84	Supply, fixing and connecting to the system modular type switch one way 16A, 1 module (Make: LEGRAND MYRIUS/ Litaski / Crabtree) or Suitably Equivalent make as approved by EIC.	16.00	Each	350.00	5600.00
85	Supply, fixing and connecting to the system of socket, 6/16A-2/3 pin combined modular type 2 module (Make: LEGRAND MYRIUS / Litaski / Crabtree) or Suitably Equivalent make as approved by EIC.	30.00	Each	535.00	16050.00
86	Material & Labour for ceiling rose, 3 Phase/PVC/ polycarbonate, isolated body (Make: ANCHOR / LEGRAND / HAVELLS) or Suitably Equivalent make as approved by EIC.	14.00	Each	65.00	910.00
87	Supply & fixing of modular white cover plate with frame 2 module	28.00	Each	200.00	5600.00
88	Supply & fixing metal flush box for 2 module plate	28.00	Each	180.00	5040.00
89	Supply & fixing of 4 module modular white cover plate with frame	4.00	Each	265.00	1060.00
90	Supply & fixing of metal flush box for 4 module plate	4.00	Each	215.00	860.00
91	Supply & fixing of 6 module modular white cover plate with frame	6.00	Each	325.00	1950.00
92	Supply & fixing of metal flush box for 6 module plate	6.00	Each	300.00	1800.00
93	Supply & fixing of 8 module plate with frame	6.00	Each	400.00	2400.00
94	Supply & fixing of galvanised steel tubes, medium grade 150mm dia	18.00	RM	1000.00	18000.00
95	Supply & fixing of galvanised steel tubes, medium grade 40mm dia	6.00	RM	358.00	2148.00
96	Supply & fixing of galvanised steel tubes, medium grade 32mm dia	24.00	RM	312.00	7488.00

Item Code	Item Description	Quantity	Unit	Rate/Unit	Total Cost
97	Material & Labour for wiring with two runs of PVC insulated sheathed single core copper cable upto 1100 volts grade confirming to IS 694 multistrand with copper conductor along with PVC conduit and conduit accessories run on wall / roof one run of copper cable as earth wire. (Make: Finolux / Havells / Polycab / Kundan / Orbit) or Suitably Equivalent make as approved by EIC. a) 2x2.5 sq.mm+1x2.5 sq.mm earth wire	370.00	RM	215.00	79550.00
98	Material & Labour for wiring with two runs of PVC insulated sheathed single core copper cable upto 1100 volts grade confirming to IS 694 multistrand with copper conductor along with PVC conduit and conduit accessories run on wall/roof one run of copper cable as earth wire. (Make: Finolux / Havells / Polycab / Kundan / Orbit) or Suitably Equivalent make as approved by EIC. b) 2x4.0 sq. mm +1x4.0 sq. mm earth wire	320.00	RM	250.00	80000.00
99	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.	320.00	RM	55.00	17600.00
100	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).IS 374-2019 (Make: Crompton - Energion Riviera/ Atomberg - Renesa Alpha/ Havells - Efficiencia Neo /Orient - Hectre 500 / Luker - Eco 30 Neo / Luminous - Triana) or Suitably Equivalent make as approved by EIC.	12.00	Each	3300.00	39600.00
101	Supply and fixing LED light fitting mirror type with high output diffuser 2 feet, 10 watt 220 V AC decorative type with driver holder and LED lamp including connecting up with three core flexible copper conductor cable of suitable size complete.	4.00	Each	1250.00	5000.00
102	Supply and fixing of exhaust fan, steel body AC single Phase. 230V of size 300mm sweep with, blades, and frame and louvers.	4.00	Each	3500.00	14000.00
103	Supply and fixing round shape 15 watt 220 volts AC recessed type with high efficiency PMMA diffuser soft glare free light complete with drivers, holders, LED lamp suitable for roof ceiling including connecting up with three core flexible copper conductor cable of suitable size complete.	16.00	Each	1200.00	19200.00

Item Code	Item Description	Quantity	Unit	Rate/Unit	Total Cost
104	Supply and fixing LED luminaire 600 mm x 600 mm, 35/36 watt, 220 V AC recessed type with high efficiency PMMA diffuser soft glare free light complete with driver, holders & LED lamp suitable for roof ceiling including connecting up with driver three core flexible copper conductor cases of suitable size complete.	14.00	Each	4000.00	56000.00
105	Demolition of cement concrete of any description and in any position	3.00	Cum	1500.00	4500.00
106	Material and Labour for cement concrete 1:2:4 Type B1 using 20mm graded aggregate in foundations, filling and mass concrete.	3.00	Cum	7250.00	21750.00
107	Excavating in trenches hard dense soil not exceeding 1.5 m wide and not exceeding 1.5 m in depth for laying cable.	45.00	Cum	715.00	32175.00
108	Material & Labour for sand filling for cushioning on U.G cable	9.00	Cum	2000.00	18000.00
109	Material & Labour for Bricks; common burnt clay building bricks sub class B designation 75, Old size bricks for protection to U.G cable	1.80	Nos in 1000	6500.00	11700.00
110	Returning, refilling in the excavated trench after laying of power cable including spreading levelling, watering and well ramming in layers not exc 25 cm.	45.00	Cum	145.00	6525.00
111	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 35 sqmm, 3.5 core. (Make: Finolux / Havells / Polycab / orbit) or Suitably Equivalent make as approved by EIC.	200.00	R.M	250.00	50000.00
112	Supply and fixing LED street light fitting 70 Watt 230 V AC outdoor type with high pressure die cast aluminum housing and heat resistant complete with driver, lamp bracket with impact and corrosion resistant including thermal management in multiple optics complete with IP 65/66 protection complete. (Make: PHILIPS /GE/ WIPRO /CG/ OSRAM / BAJAJ/ HAVELLS/ SYSKA) or Suitably Equivalent make as approved by EIC.	12.00	Each	6000.00	72000.00
113	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: ABB / Legrand / Havells / Hager) or Suitably Equivalent make as approved by EIC.	24.00	Each	315.00	7560.00
114	Supply & fixing of MCCB 3 pole 415 Volt, fixed type 125 Amps, with breaking capacity 16KA. (Make: Legrand / Havells / ABB) or Suitably Equivalent make as approved by EIC.	1.00	Each	4500.00	4500.00

Item Code	Item Description	Quantity	Unit	Rate/Unit	Total Cost
115	Supply and fixing of LED ceiling/Recessed mounting fitting complete with suitable LED lamp and accessories, Wattage 24 to 30 watts and minimum system output 1800 lumens. (Make: PHILIPS / Bajaj /CG /Havells / Wipro) or Suitably Equivalent make as approved by EIC.	24.00	Each	3000.00	72000.00
116	Supply & fixing of MCBDB 4 way (DPX160+24) (Legrand make as per Legrand 2022 catalogue No.507747/ ABB/ Havells) or Suitably Equivalent make as approved by EIC.	1.00	Each	18650.00	18650.00
117	Supply & fixing metal flush box for 8 module plate	6.00	Each	152.00	912.00
118	Supply & fixing of 12 module plate with frame and metal flush box	16.00	Each	550.00	8800.00
119	Supply & fixing of 16 module plate with frame and metal flush box	4.00	Each	540.00	2160.00
120	Supply & fixing of modular type Dummy plate	30.00	Nos	25.00	750.00
121	Supply, fixing and connecting to the system modular type switch one-way 20A, Single pole 2 module. (Make: LEGRAND MYRIUS/ Litaski / Crabtree) or Suitably Equivalent make as approved by EIC.	14.00	Each	335.00	4690.00
122	Supply, fixing & connecting of the system cable end termination of size 50 sqmm 3.5 core including with suitable cable gland & lugs.	2.00	Set	1250	2500.00
Gross Total of Items		Rs. 1,02,79,513 /-			



(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 by the contractors, should be noted along with challan / vouchers etc., and a copy of the same are to be given to the Civil engineering section 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)



(K. TULASI RAO)

JT. GENERAL MANAGER / IMS

For CHIEF GENERAL MANAGER / HVF