

ACCEPTANCE LETTER NO: Minutes of CWC – II held on 14-02-2024

To
M/s. PSG Constructions
No. 9, 5th Street,
Anna Nagar, Pattabiram,
Chennai – 600 072

Dear Sirs,

Type of work: Item Rate

Sub: SPECIAL REPAIRS TO WALLS, FLOORS, ROOF, TOILET AND CONSTRUCTION OF
REST ROOM AT OHA SHOP IN OLD FACILITY AT HVF AVADI

Ref i) Fy Tender No. HVF/TE/13025/CEO/2023-24/56., Dt.16.11.2023.

ii) Your Bid No. 648563 in this tender and confirmation & price reduction offered vide your
Letter Dt.02-02-2024 ,09-02-2024.

1. For and on behalf of the President of India, I hereby convey the acceptance of your tender by the competent financial authority for the above mentioned work for a total value of Rs. 2,23,88,913.75 (Rupees Two Crore Twenty Three Lakhs Eighty Eight Thousand Nine Hundred Thirteen and Seventy Five Paise 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/28/2023-24/Cap., Dt.01-03-2024 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.3,73,700.00 (Rupees Three Lakh Seventy Three Thousand Seven Hundred Only) in favour of "The Chief General Manager, Heavy Vehicle 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 agreement 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.AnandaKumar, WM/IMS is nominated as Engineer-In-Charge and Shri. P.Neelakandan, JWM / IMS/CE(Fy) and Shri. Amarjit Kumar, JWM / IMS/CE(Fy) 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, EO & GS

For CHIEF GENERAL MANAGER / HVF

For And On Behalf Of THE PRESIDENT OF INDIA

Copy to:

1. GM/HR & F&A, HVF, Avadi
2. Shri. G.Ananda Kumar, WM / IMS, Engineer-In-Charge
3. Shri. P.Neelakandan, JWM / IMS/CE(Fy), Site-In-Charge (I)
4. Shri. Amarjit kumar, JWM / IMS/CE(Fy), Site-In-Charge (II)
5. Shri. R.Rajendran, DGM / OHMS, Technical Examiner

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

Work Order/Deviation Order No.	HVF/CE/28/2023-24/Cap., Dt.01-03-2024
Acceptance letter No.	Minutes of CWC-II held on 14-02-2024
Contractor's Name	PSG Constructions
Name of the work	SPECIAL REPAIRS TO WALLS, FLOORS, ROOF, TOILET AND CONSTRUCTION OF REST ROOM AT OHA SHOP IN OLD FACILITY AT HVF AVADI
CA amount	Rs.2,23,88,913.75

PARTICULARS

1.	Authority	CWC Decision No. Fy.Level CWC-II
2.	Brief Description of work to be carried out	As per details in sheet attached and adhering to your firm Bid No. 648563 in this tender and confirmation & price reduction offered vide your Letter Dt.02-02-2024, 09-02-2024 in HVF/TE/13025/CEO/2023-24/56., Dt.16.11.2023 for all terms & conditions therein & rates quoted in Schedule 'A' enclosed with tender documents.
3.	Time effect	
a	Date of handing over of the site	04/03/2024
b	Date of commencement of work	04/03/2024
c	Date of completion as per contract	04/03/2025
d	Date of completion shown in previous Orders	NA
e	Revised date of completion	NA
4.	Financial effect (Rs.)	
a	Present order	Rs.2,23,88,913.75
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.	920/34 (Capital Grant)
6.	Certified that no special rate is involved	
7.	Technical Examiner	Shri. R.Rajendran, DGM / OHMS
8.	Approved	Shri. Tulasi Rao, JT.GM / IMS, EO & GS
9.	Accepted	PSG CONSTRUCTIONS

(K. TULASI RAO)

JT. GENERAL MANAGER / IMS, EO & GS
For CHIEF GENERAL MANAGER / HVF
For And On Behalf Of THE PRESIDENT OF INDIA

Distribution to :-

1. PSG CONSTRUCTIONS
2. GM/HR & F&A, HVF Avadi
3. Sr. Security Officer
4. Shri. G.Ananda Kumar, WM / IMS., Engineer-In-Charge
5. Shri., P.Neelakandan, JWM / IMS/CE(Fy), Site-In-Charge (I)
6. Shri. Amarjit kumar, JWM / IMS/CE(Fy), Site-In-Charge (II)
7. Shri. R.Rajendran, DGM / OHMS, Technical Examiner
8. HOS/Safety, 9.HOS/ Internal Audit cell, 10. HOS/Test Audit, 11. ALWC.
12. The Chief Commisioner of Central Excise, 26/1. Mahatma Gandhi Road, Nungambakkam, Chennai – 600 034.
13. The Dy. Chief Labour Commissioner (C), No. 26, III Block, 5th Floor, Shastri Bhawan, Haddows Road, Nungambakkam, Chennai – 600 006.

SCHEDULE - "A"					
Item Code	Item Description	Quantity	Unit	Rate/Unit	Amount
1	Grubbing up tree trunk including cutting of trunk portion protruding over ground, digging out roots, filling holes and leveling off ground, stacking of serviceable material and removing of unserviceable material to a distance not exceeding 50 m and clearing site, girth of tree exceeding 100 cm and not exceeding 150 cm.	2.00	Each	2500.00	5000.00
2	Taking down door and window frame with shutter exceeding 1.50 SQM but not exceeding 4.0 SQM and removing to CE Stores.	39.00	Each	200.00	7800.00
3	Demolition of brick work built in cement mortar and removal of demolished debris to a lead exceeding 1.5Km but not exceeding 5Km and depositing where directed	38.50	m3	900.00	34650.00
4	Material and Labour for forming jambs using CM 1:4 to opening including cutting, toothing and also facing, jointing and pointing to match existing work complete.	25.00	m2	900.00	22500.00
5	Earth work excavation in trenches not exceeding 1.5m in width and depth and getting out in hard/dense soil.	208.00	m3	450.00	93600.00
6	Earth work excavation in trenches for each additional 1.5 m or part thereof in depth beyond the first 1.5 m and getting out in hard/dense soil.	58.00	m3	600.00	34800.00
7	Material and Labour for Anti-Termite treatment treating the bottom and sides of excavation at the rate of 5 litres of emulsion per square metre of surface area.	265.00	m2	275.00	72875.00
8	Material and Labour for Anti-Termite treatment treating the top surface of filled earth at the rate of 5 litres of emulsion per square metre surface.	210.00	m2	275.00	57750.00
9	Supply and laying of sand filling under floors or in foundation including watering and consolidation	96.00	m3	2750.00	264000.00
10	Material and labour for hard core of Broken stone or boulders of gauge not exceeding 63 mm deposited, spread and levelled in layers not exceeding, 15 cm thick watered and rammed to a true surface	34.00	m3	2750.00	93500.00
11	Material & Labour for PCC 1:4:8 type D2 using 40mm graded aggregate for foundation	154.00	m3	5900.00	908600.00
12	Supply and fixing of Steel reinforcement TMT Bars 10mm dia and over cut to length, bent to shape required including tying the rods with 0.9mm dia annealed wire.	9420.00	KG	104.00	979680.00
13	Supply and fixing of Steel reinforcement TMT Bars 5mm dia and over up to 10mm cut to length, bent to shape required including tying the rods with 0.9mm dia annealed wire in stirrups, spacers and binder.	2530.00	KG	105.00	265650.00
14	Material and Labour for R.C.C Design Mix M 20 grade concrete using 20mm graded aggregate for foundation including rafts, footings, foundation beams, plinth beams, bases for column etc.	94.30	m3	8900.00	839270.00
15	Material and Labour for R.C.C Design Mix M 20 grade concrete using 20mm graded aggregate for beams, cantilevers, lintels over 1.50m span.	25.00	m3	9100.00	227500.00
16	Material and Labour for R.C.C Design Mix M 20 grade concrete using 20mm graded aggregate for Columns.	12.00	m3	9200.00	110400.00
17	Material and Labour for R.C.C Design Mix M 20 grade concrete using 20mm graded aggregate for Slabs.	31.00	m3	9300.00	288300.00
18	Material and Labour for formwork to the sides of the foundation and the finishing shall be of a fair finished surface.	450.00	m2	540.00	243000.00
19	Material and Labour for formwork to the sides of the beams and the finishing shall be of a fair finished surface.	220.00	m2	590.00	129800.00
20	Material and Labour for formwork to the sides of the Columns and the finishing shall be of a fair finished surface.	176.00	m2	590.00	103840.00

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Item Code	Item Description	Quantity	Unit	Rate/Unit	Amount
21	Material and Labour for formwork to the sides and soffits of the slab and the finishing shall be of a fair finished surface.	280.00	m2	590.00	165200.00
22	Returning refilling in layers not exceeding 15 cm thick including watering and consolidation in hard / dense soil.	154.00	m3	120.00	18480.00
23	Supply and filling of moorum / red bajiri filling in floors in layers not exceeding 15 cm thick spread levelled and rammed including watering complete	106.00	m3	1400.00	148400.00
24	Material and labour for Brick work with sub class B bricks in CM 1:6.	100.00	m3	7800.00	780000.00
25	Material and Labour for Brick work with sub class B bricks straight or curved on plan to any radius in half brick thick walls built in CM 1:6	70.00	m2	820.00	57400.00
26	Material and Labour for plastering with CM1:4,15mm thick.	1065.00	m2	330.00	351450.00
27	Material and labour for plastering in C.M. 1:3 for 12mm thick on ceiling surfaces.	396.00	m2	280.00	110880.00
28	Material and labour for plastering in C.M 1:3 20mm thick on the top of roof incorporating a water proof compound.	305.00	m2	340.00	103700.00
29	Supply only integral water proofing compound.	50.00	KG	75.00	3750.00
30	Material and labour for P.C.C.1:2:4 Type B-I, M - 15 grade using 20mm graded aggregate.	5.50	m3	8900.00	48950.00
31	S & F of Brass Butt hinges type B-11 125mm length.	66.00	Each	150.00	9900.00
32	Material and Labour for fixing Aluminium Aldrop bolt 300 mm length	25.00	Each	360.00	9000.00
33	S & F of Aluminium handle 150mm length.	48.00	Each	90.00	4320.00
34	S&F of Aluminium tower bolts, with barrel of extruded section and rolled or cast bolts and fixed 150 mm long.	50.00	Each	90.00	4500.00
35	Material and labour for painting two coats of synthetic enamel paint over a coat of pink primer paint including preparation of new wooden surfaces.	180.00	m2	140.00	25200.00
36	Supply and Fixing of anodised aluminium windows and ventilator shutters, fixed type without sash bar, aluminium section weighing 0.55 kg / m including necessary joining cleat, glazing clips, rubber packing, anodised aluminium snap beading, screws etc., complete all as specified	30.00	m2	2800.00	84000.00
37	Supply and fixing of framed work as in window grill of angle or other section with hold fast etc., complete grouting for brickwork	350.00	KG	900.00	315000.00
38	S & F of Anodised aluminium Louver type ventilator shutters, fixed type without sash bar, aluminium section weighing 0.55 kg/m including necessary joining cleats, glazing clips, rubber packing, anodised aluminium snap beading, screws etc. complete all as specified	5.00	m2	600.00	3000.00
39	Supply and Fixing of 4.80 mm thick plain glass to the Aluminium works including rubber beading for holding it tight position.	68.00	m2	820.00	55760.00
40	Supply and Fixing of solar control film 50 micron thick reflective type sticked to glass panes.	12.00	m2	1200.00	14400.00
41	Material and labour for white washing two coats on ceiling including preparation of new ceiling surfaces.	325.00	m2	25.00	8125.00
42	Material and Labour for white washing two coats on walls including preparation of old plastered surfaces.	50.31	m2	25.00	1257.75
43	EXTERIOR EMULSION: M&L for painting two coats of exterior emulsion (Make APEX ULTIMA of ASIAN PAINTS / WEATHER COAT ANTI-DUST of BERGER /EXCEL MICA MARBLE STRETCH & SHEEN of NEROLAC) including one coat of priming paint applies after preparation of the old existing treatment.	400.00	m2	150.00	60000.00

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Item Code	Item Description	Quantity	Unit	Rate/Unit	Amount
44	PLASTIC EMULSION: M&L for rendering plastic emulsion/interior emulsion over fair finished plaster/concrete surface over 10 cm width or girth two coat on decorated wall and including preparation of old surfaces. Make : Asian / Berger / Nerolac.	500.00	m2	140.00	70000.00
45	Supply and Fixing of Rain water pipe PVC (SWR) pipes of 110mm dia single socketed in any length with rubber ring joints fixed to walls	190.00	m	390.00	74100.00
46	Supply and Fixing of Rain water pipe PVC (SWR) bends of 110mm dia	10.00	Each	190.00	1900.00
47	Removal of earth to a lead exceeding 250m but not exceeding 500m and depositing where directed including, spreading & leveling.	215.00	m3	450.00	96750.00
48	Material and labour for flooring in P.C.C 1:2:4 B.O. Type using 12.5 mm graded aggregate for 40 mm thick	225.00	m2	450.00	101250.00
49	Providing precast slabs for drains in cement mortar 1:6 using Type B1 1:2:4 (20mm graded aggregate)	18.00	m3	1400.00	25200.00
50	Supply and Fixing on Glazed ceramic tiles, 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 of mortar 1:4 15 mm thick for laying floor finishes	150.00	m2	1400.00	210000.00
51	Supply and Fixing of Non Skid coloured ceramic tiles in floors not less than 7mm thick 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 of mortar 1:4, 15mm thick for laying floor finishes.	250.00	m2	1400.00	350000.00
52	Supply and Fixing of glazed ceramic tiles in walls set and jointed in neat cement slurry and pointed in white or coloured cement to match and screed bed or bedding layer of mortar 1:4 15mm thick for laying floor finishes add to above work on vertical surfaces such as skirting , dados and risers to step etc.,	630.00	m2	1400.00	882000.00
53	Material & Labour for painting of steel surfaces of any description, over 10 cm in width or girth two coats of synthetic enamel paint over one coat of primer	1000.00	m2	140.00	140000.00
54	Supply and Fixing of vitreous china squat pan orissa pattern IWC size 580x440mm with "P" or "S" trap including provision of lime concrete bedding high level flushing cistern 10 litres flush out pipes etc., complete.	3.00	Each	4500.00	13500.00
55	Supply and Fixing of EWC with "P"or "S" trap including bedding valveless syphonic action type 10lit flushing cistern low level white with inlet ball valve float and handle including bracket etc., complete.	6.00	Each	5900.00	35400.00
56	M & L for Cutting chases, 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	180.00	m	82.00	14760.00
57	Supply and Fixing of 15mm Bore of Tubes low density polyethylene pipes (LPDE) of pressure rating 6Kg/cm2 with all fittings and fixed for water connections complete to walls and ceiling or laid in floors.	90.00	m	140.00	12600.00
58	Supply and Fixing of 20mm Bore of Tubes low density polyethylene pipes (LPDE) of pressure rating 6Kg/cm2 with all fittings and fixed for water connections complete to walls and ceiling or laid in floors.	90.00	m	160.00	14400.00
59	Supply and Fixing of 15mm Bore dia of pipe Gunmetal globe or gate valve with iron wheel head screwed both ends for iron pipe and fixed	25.00	Each	750.00	18750.00
60	Supply and fixing of 15mm Bore dia of bib Taps cast copper alloy with crutch or butterfly handle screwed down screwed for iron pipes or for brass ferrule and fixed	35.00	Each	555.00	19425.00

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AVADI ,CHENNAI,Tamil Nadu-600054

Item Code	Item Description	Quantity	Unit	Rate/Unit	Amount
61	Supply and Fixing of 32mm Bore of Tubes light grade galvanized with all fitting and fixed complete OH tank to main water line laid in walls ceiling ro in floors	120.00	m	480.00	57600.00
62	Supply and Fixing of 32mm dia of pipe Gun-metal globe or gate valves with iron wheel head screwed both ends for iron pipe and fixed.	6.00	Each	2400.00	14400.00
63	Supply and Fixing of 160mm Bore PVC(SWR) pipe single socketed in any lenth with rubber ring joints laid in trenches or in floors.	60.00	m	1400.00	84000.00
64	Material and Labor for PVC SWR 75mm diameter of floor trap plain with grating including jointing with solvent cement.	15.00	Each	190.00	2850.00
65	S & F of Factory made solid panel PVC Door shutter 30mm thick (style) consisting of frame madeout 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. Panelling 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	4.00	m2	3200.00	12800.00
66	Supply and Fixing of PVC door frame of size 50mmx95mm made out of 5mm plain color pvc sheet reinforced with M.S square tube.	21.10	m	540.00	11394.00
67	Supply and Fixing of extruded Aluminium alloy with brass/bronze hinge pin type C-22 Butt hinges heavy weight 75mm length.	80.00	Each	90.00	7200.00
68	S & F of 75mm Aluminium anodized barrel tower bolt.	40.00	Each	45.00	1800.00
69	S & F of 75mm Aluminium anodized bow handle.	40.00	Each	55.00	2200.00
70	Supply and Fixing of Aluminium Coat Hooks of soild body of size 175mm to250mm	40.00	Each	111.00	4440.00
71	Supply and Fixing of Rotational moulded polythelene water storage tanks (PVC) 1000 litres capacity (cylindrical vertical with closed top) hoisted and fixed in position all as specified in SSR partI	8.00	Each	14500.00	116000.00
72	Supply and Fixing of 25mm bras ball valves high pressure with polythene float and fly nut complete screwed for iron pipe or brass ferrule.	8.00	Each	585.00	4680.00
73	Supply and Fixing of vitreous china wash basin 580x450 including pillar cock 32mm dia waste chain and plug and porcelain stopper and removal of old one from the site.	12.00	Each	2700.00	32400.00
74	Supply and fixing of vitreous china urinals bowl type including providing and fixing plugs, bedding urinals against wall in CM 1:2 securing urinal to plugs with and includin 60mm long brass screws pointing around urinal urinal back in cement and waste pipe etc complete.	15.00	Each	3600.00	54000.00
75	M & L for fixing Looking Mirror 600 x 450mm beveled edge mirror of selected quality glass, mounted on 6mm thick AC building board or commercial plywood and fixed to wooden plugs with chromium plated brass screws and cup washers, glass self assembly.	10.00	Each	900.00	9000.00
76	S & F of 20mm Angle/Stop Taps, cast copper alloy with crutch or butterfly handle, screwed for iron pipe or for brass ferrule fancy type and chromium plated	35.00	Each	650.00	22750.00
77	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.	35.00	Each	700.00	24500.00
78	S & F of Pillar cock chromium plated to wash basin 15mm dia ditto, but fancy type, with capstan heads, screwed down high pressure with long screwed shanks for iron pipe.	25.00	Each	900.00	22500.00

Heavy Vehicle Factory Avadi
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Item Code	Item Description	Quantity	Unit	Rate/Unit	Amount
79	Dismantling of Plain or corrugated/semicorrugated steel sheeting, any gauge, thickness, including Nainital or similar pattern sheets in roof coverings, claddings, ridges, hips, valleys and flashings etc., including loosening rusted bolts, cutting, removal of MS Stiffner etc., wherever required and staking at Ground without damaging sheets and handing over to CE Stores	340.00	m2	45.00	15300.00
80	Demolition of cement concrete of any description and in any position not otherwise specifically provided for	240.00	m3	1200.00	288000.00
81	Supply and fixing of urinal partition glazed ceramic white of size 310 X 700 mm. The make and Shade will be as approved by E-I-C.	10.00	Each	4500.00	45000.00
82	Demolition of tiles/dado with cement mortar of any description or any thickness in floors & walls	70.00	10Sqm	90.00	6300.00
83	Taking down cement plastering on brick or stone walls, etc. including raking out joints, hacking for key, scrubbing down with water, etc.	720.00	m2	90.00	64800.00
84	M & L for Dubbing in CM 1:6, 10mm thick in brick work, concrete surfaces	680.00	m2	172.00	116960.00
85	Dismantling structural steel work including doors, gates, purlins, rafters, trusses etc., including cutting, loosening bolt, welding etc., and handing over to CE Stores	100.00	Quintal	700.00	70000.00
86	S&F MS MS Angles, Channels, Bands, straps, supports or stays for extra purlin, cleat, rainwater, ventilating pipes, including Nuts, bolts, if required: clamps; hooks; plain angle cleats for securing purlins to trusses or rafters; plate washers and similar small articles conforming to Fe-290 Gde-E-165 including cutting and welding as directed and as approved by considering the dimensions & height including all necessary scaffolding and safety aspects complete as required at site.	29470.00	KG	175.00	5157250.00
87	S&F of Pre-painted galvalume aluminium zinc coating GI based corrugated steel sheet 0.50mm (TCT) thick of an colour having tensile strength of 550Mpa as in roof covering/cladding to wall fixed with self drilling / self tapping anti corrosive screws with EPDM seal complete all as per manufacturers specifications and instructions and as approved and as directed, by considering the dimensions & height including all necessary scaffolding and safety aspects complete as required at site.	970.00	m2	870.00	843900.00
88	M & L for 300mm dia MS ERW PIPE including welding, joining etc.,	15.00	m	6000.00	90000.00
89	M & L for providing cement concrete 1:1.5:3 using 20mm jelly in foundation, floor etc.,	155.00	m3	8900.00	1379500.00
90	M & L for Stone sett flooring with stone setts of size 300 to 250mm long, 200 to 250mm wide and 150mm deep and sides dressed; bedded in cement mortar 1:3, joints 20mm thick; grouted in cement mortar 1:2 with an admixture of metallic floor hardner 5% by weight of cement and struck flush	760.00	m2	2700.00	2052000.00
91	Taking down steel door production shop Shutter of any description and in any position and handing over to CE stores	10.00	Each	2500.00	25000.00
92	Dismantling of Stone slabs/RCC slabs and tiles of any description or any thickness and size in floors, aprons etc. laid bedded and pointed in any mortar and handing over/staking the same in CE(Stores)	9.00	10Sqm	1132.00	10188.00
93	Taking up or down steel tubing 15mm and connections, including cleaning and removing to stores (Walls, ceiling, floors, etc.)	100.00	m	45.00	4500.00
94	Taking up or down steel tubing 20mm and connections, including cleaning and removing to stores (Walls, ceiling, floors, etc.)	75.00	m	50.00	3750.00

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Item Code	Item Description	Quantity	Unit	Rate/Unit	Amount
95	Taking up or down steel tubing 25 or 32mm and connections, including cleaning and removing to stores (Walls, ceiling, floors, etc.)	80.00	m	55.00	4400.00
96	Demolition and breaking up drain pipes 150mm (Salt glazed ware, AC or Reinforced concrete) set in cement mortar	60.00	m	120.00	7200.00
97	Supply and Fixing of Rain water pipe PVC (SWR) pipes of 75mm dia single socketed in any length with rubber ring joints fixed to walls	121.00	m	190.00	22990.00
98	Supply and Fixing of Rain water pipe PVC (SWR) bends of 75mm dia	15.00	Each	190.00	2850.00
99	WALL PUTTY: Material and labour for applying one coat of primer and two coat of white cement based wall care putty in walls / ceiling including removal of loose/peel off existing treatment if any and as specified in SSR 2020 part-I specification clause 15.19.1 to 15.19.6.4(Make shall be of JK white putty or Birla white wall care putty)	940.00	m2	270.00	253800.00
100	M & L for IInd class hard-wood in scantlings/planks Clean sawn	1.30	m3	99000.00	128700.00
101	S & F Factory made single extruded WPC 35mm (Wood Polymer Composite) solid plain flush door shutter of 30mm size comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/cum and screw withdrawal strength of 1800 N (Face) & 900 N (Edge), minimum compressive strength 50 N/mm2, modulus of elasticity 850 N/mm2 and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixing with stainless steel butt hinges of required size with necessary full body threaded star headed counter sunk S.S screws in WPC Door Frame of Size 60mm x 100mm, all as per direction of Engineer-In-Charge. (The rate includes WPC Door Frame of Size 60mm x 100mm and WPC 35mm Door Shutter)	60.00	m2	3900.00	234000.00
102	S & F of Aluminium Door closer hydraulically regulated, designation No. 3, universal type, suitable for door shutters of 851 to 1000 mm in width and of weight between 61 to 80 kg and fixed	8.00	Each	2700.00	21600.00
103	Supplying and laying of 20mm CPVC pipes SDR 11 & Plain CPVC SDR 11 fittings in trenches complete all as specified	120.00	m	190.00	22800.00
104	Supplying and laying of 25mm CPVC pipes SDR 11 & Plain CPVC SDR 11 fittings in trenches complete all as specified	150.00	m	210.00	31500.00
105	Supplying and laying of 32mm CPVC pipes SDR 11 & Plain CPVC SDR 11 fittings in trenches complete all as specified	60.00	m	270.00	16200.00
106	M & L for Virified Ceramic tiles Dark Shade 10 mm thick in Floors (square/ rectangular) polished, area of each tiles not exceeding 0.36 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.	40.00	m2	1600.00	64000.00
107	M & L for Virified Ceramic tiles (Dark shade/Double charged / Ultracharged) 10 mm thick (square/ rectangular) polished, area of each tiles exceeding 0.42 sqm but not exceeding 1.00 sqm, in floors/wall etc. set and jointed in neat cement slurry and pointed in white or coloured cement to match including plastering in CM 1:4 10mm thick on existing walls for fixing tiles.	130.00	m2	1600.00	208000.00

Heavy Vehicle Factory Avadi
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Item Code	Item Description	Quantity	Unit	Rate/Unit	Amount
108	Providing, mixing and applying two coats of ready-to-use two-component acrylic polymer, modified cement base, flexible water-proofing slurry or approved equivalent to a thickness of 2 mm over the bottom and sides of the slab / sunken slab. Waterproofing to extend upto 600 on the periphery walls. Cost to include checking of waterproofing for 48 hours with 300mm high water logged floor. Method Statement of water proofing to be submitted before execution.	40.00	m2	400.00	16000.00
109	Removal of existing brick bat coba and refilling with light weight aerocon filling with 50 mm thk top grano floor .	40.00	m2	90.00	3600.00
110	Supply and fixing of GI frame (Including 10mm thick Gypsum board False Ceiling to for any sunk or raised moulding or Flat with or with out cornice) work for seamless ceiling comprising of GI perimeter channel 0.55 mm thick with two unequal flanges of 20 and 30 mm and web of 27 mm fixed to surrounding wall using nylon sleeves and screws at 450 mm centre to centre/intermediate channel 0.9 mm thick having two equal flanges of 15 mm each and web of 45 mm suspended from soffit at approx 900 mm centre to centre with GI cleat and steel expansion fasteners with and including ceiling section (not exc 1.2 m length) of 0.55 mm thickness having kurlled web of 50 mm and flange of 26 mm each with lips of 10.5 mm fixed to the intermediate channel with connecting clips across the intermediate channel at 457 mm centre to centre. including Hangers 6 mm dia. G.I. (upto 1200mm length) adjusting level fixed to roof slabs by means of ceiling cleats made out of G.I. flat 40 x 3 mm size 60mm long and expansion hold fasteners 12.5mm dia. 40mm long including 10mm thick plaster of paris ceiling (Gypsum anhydrous) to flat surface over G.I. or metal frame work including any sunk or raised moulding and any cutting /opening for provision of any lighting fixtures etc. (working at height 4.5 -6 meter). complete all as specified. as approved and as directed. The cost includes applying 2coats putty and 2 coats of plastic emulison all complete and as directed by EIC measurement will be taken Flat room dimension (L X B)	100.00	m2	1400.00	140000.00
111	Providing and fixing in position Toilet Wall mounted Coupled Closet, Including soft seat cover, concealed flush tank etc. Make : JAGUAR/KOHLER/DURAVIT	4.00	Each	12000.00	48000.00
112	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 : JAGUAR/KOHLER/DURAVIT	4.00	Each	7500.00	30000.00
113	Providing and fixing in position Piller cock for wash basin. Make : JAGUAR/KOHLER/DURAVIT	4.00	Each	900.00	3600.00
114	Providing and fixing in position Toilet Health Facet with chromed flexible hose & Wall Bracket Make : JAGUAR/KOHLER/DURAVIT	4.00	Each	1800.00	7200.00
115	Providing and fixing in position Toilet Bottle Trap of 32mm Size with 330mm & 110mm long conection pipes Make : JAGUAR/KOHLER/DURAVIT	4.00	Each	1200.00	4800.00
116	S & F of 15mm Angle cock Make : JAGUAR/KOHLER/DURAVIT	8.00	Each	750.00	6000.00
117	Providing and fixing in position Toilet Nahni Trap	4.00	Each	450.00	1800.00
118	Providing and fixing in position of Cockroach trap	4.00	Each	450.00	1800.00
119	Providing and fixing in position Toilet Paper Holder. Make : JAGUAR/KOHLER/DURAVIT	4.00	Each	600.00	2400.00
120	Providing and fixing robe hook Make : JAGUAR/KOHLER/DURAVIT	4.00	Each	150.00	600.00

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Item Code	Item Description	Quantity	Unit	Rate/Unit	Amount
121	Providing and fixing in position liquid soap dispenser of approved shade. Make - Kimberly/JAGUAR/KOHLER/DURAVIT - Skincare Dispenser 800 ml. - Cost to be inclusive of Liquid soap pouch.	4.00	Each	1200.00	4800.00
122	S & F of Vitreous China bowl urinal flat back white (Sensor type), with grating and union for discharge pipe (excluding flushing cistern, but including flush pipe and waste pipe) including providing and fixing plugs, bedding urinal against wall in CM 1:2, fixed in repairs. MAKE : JAGUAR/KOHLER/DURAVIT	4.00	Each	3700.00	14800.00
123	S & F of Polythene film, black, 50micron laid in floors	265.00	m2	200.00	53000.00
124	S & F of water stopper with sides on both sides 225mm to 250mm width and thickness 8 to 11mm fixed to the steel reinforcement centrally wherever the joints for each lift is to be prepared	70.00	m	873.00	61110.00
125	One light point or one fan point wiring controlled by one switch with PVC single core cables 1.5 sq. mm size in PVC conduit.	113.00	Point	820.00	92660.00
126	Wiring for circuit / sub main wiring along with earth wire 2 X 2.5 Sq.mm PVC insulated copper conductor single core cable surface / recessed as required in PVC conduit along with earth wire size 1 X 2.5 Sq.mm. including PVC conduit & accessories.	100.00	m	210.00	21000.00
127	Wiring for circuit / sub main wiring along with earth wire 2x4.0 Sq.mm PVC insulated copper conductor single core cable surface / recessed as required in PVC conduit along with earth wire size 1 X 4.0 Sq.mm. including PVC conduit & accessories.	150.00	m	450.00	67500.00
128	PVC rectangular block for mounting, switches, sockets, fan regulator etc. with 3 mm thick plastic laminated sheet cover of size Ditto, but 350 x 300 x 50 mm deep	46.00	Each	450.00	20700.00
129	Supply and fixing of switch socket outlet 2 in 1, 6 amp, flush type 240 volts, AC.	24.00	Each	210.00	5040.00
130	Supply and fixing of stepped type electronic fan regulator flush type on the existing phenolic laminated sheet etc. as reqd.	16.00	Each	360.00	5760.00
131	Supply and fixing of Switch socket combination 6A/16A, 5 in 1, flush type	96.00	Each	270.00	25920.00
132	Supply and fixing of switch flush type, 6 amps, single pole, one way.	40.00	Each	45.00	1800.00
133	Supply and fixing LED lights fitting 1x22 Watt, 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/Havells /Osram	90.00	Each	2400.00	216000.00
134	Hanging only ceiling fan (M.D.supply) and connecting up including provision of cable from ceiling rose or connector to fan	16.00	Each	200.00	3200.00
135	Supply and fixing of PVC/Polycarbonate, isolated ceiling rose. Make: ANCHOR/ HAVELS/ ZEN/ KUNDAN	46.00	Each	47.00	2162.00
136	Cutting chases, 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 exc 20 cm girth	250.00	m	90.00	22500.00
137	Supplied & fixed Single pole and neutral enclosure with a two pin and earth plug and socket complete with one single pole MCB 240 V 20amp	8.00	Each	1900.00	15200.00
138	Supply & fixing of Four pole Isolater, 415V, 100A	4.00	Each	6000.00	24000.00
139	Supplied & fixed 240V Isolator SP 40A	69.00	Each	990.00	68310.00

Heavy Vehicle Factory Avadi
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Item Code	Item Description	Quantity	Unit	Rate/Unit	Amount
140	SHEET METAL ENCLOSURES FOR DB'S WHEN MCBs Double Door Supplied & fixed Triple pole & neutral 12 way	4.00	Each	9000.00	36000.00
141	SHEET METAL ENCLOSURES FOR DB'S WHEN MCBs Double Door Supplied & fixed 240 V Single pole & neutral 8 way with 200 amps rated bus	4.00	Each	7500.00	30000.00
142	Supply and fix ceiling fans, complete with three blade, down rod, accessories 230V, 1200mm sweep, with Squirrel cage induction motor.	16.00	Each	4700.00	75200.00
143	S & F stepped type electronic fan regulator flush type on the existing phenolic laminated sheet etc. as reqd	16.00	Each	360.00	5760.00
144	Taking down carefully copper / aluminum point wiring (light, fan, socket or power) complete, (fittings such as switches, ceiling roses, pendants, regulators, sockets etc. to be measured separately), removing materials to store for keeping inside safe custody for re – use at site and making good disturbed surfaces of walls, floors, etc	12.00	Point	45.00	540.00
145	Taking down carefully unscrewing from boards/out-let boxes, fittings and fixtures such as switches sockets, ceiling roses, lamp holders, brackets, ceiling fittings, bulk head fittings, tube light fittings and regulators, etc. for re-use at site or carrying to the store (To be measured only when found service cable in all respects complete for re-use).	12.00	Point	150.00	1800.00
146	Supply and fixing of switch flush type, 6 amps, single pole, one way. Make: ANCHOR/ HAVELS/ZEN/ KUNDAN CAB	69.00	Each	45.00	3105.00
147	Supply and fixing of single door sheet metal encloser for DB's when MCB 's to be used single pole and neutral 2 way without busbar, 240 volt, AC. Make: STANDARD/ HAVELS/ SIEMENS/ LEGREND	15.00	Each	1900.00	28500.00
148	Supply & fixing of isolator single pole with neutral upto 40A 240V A.C. Make: STANDARD/HAWELS/SIEMENS/LEGREND	17.00	Each	766.00	13022.00
149	Supply and fix exhaust fan, steel body AC single Phase. 230V of size 300mm sweep with, blades, and frame and louvers. Make : USHA/ HAVELLS/BAJAJ/CROMPTON	23.00	Each	4500.00	103500.00
150	Supply & Erection of Electrical Power Panel -1 including indicators, multi function meters, incomers, out goings, alongwith panel boards, cabling, spare MCCBs, wiring and labour charges. MCCB make: C&S/ ABB/SCHNEIDER	1.00	Each	90000.00	90000.00
151	Supply & Erection of Electrical power Panel-2 including indicators, multi function meters, incomers, out goings, along with panel boards, cabling, spare MCCBs, wiring and labour charges. MCCB make: C&S/ ABB/ SCHNEIDER	1.00	Each	90000.00	90000.00
Gross Total of Items Rs.					22388913.75


(K. TULASI RAO)

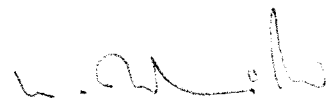
JT. GENERAL MANAGER / IMS,EO & GS
For CHIEF GENERAL MANAGER / HVF
For And On Behalf Of THE PRESIDENT OF INDIA

TERMS & CONDITIONS:

1. Special condition: The material required for the subject work which be brought inside the factory by contractors should be noted along with challan / vouchers etc., and a copy of the same are to 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, IAFW2249 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 in.

- (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 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)
 - (iv) 10% of work order value (Contract value exceeding Rs.10 lakhs)



(K. TULASI RAO)

JT. GENERAL MANAGER / IMS, EO & GS

For CHIEF GENERAL MANAGER / HVF

For And On Behalf Of THE PRESIDENT OF INDIA