

ACCEPTANCE LETTER NO: Minutes of CWC – I held on 02-06-2023

To
M/s. Sri Lakshmi Industries
No. 99, Venkatapuram
Pattabiram,
Chennai – 600072.

Dear Sirs,

Type of work: Item Rate

Sub: SPECIAL REPAIRS AND EXTENSION OF BUILDING NO. TB-137 AT HVF ESTATE.

Ref: i) Fy Tender No. HVF/CE/13025/CEO/2023-24/03., Dt.17.04.2023 (Opened on: 17.05.2023).
ii) Your quotation No.549200.

1. For and on behalf of the President of India, I hereby the acceptance of your tender by the competent financial authority for the above mentioned work for a total value of Rs. 50,19,195.00 (Rupees Fifty Lakhs Nineteen Thousand One Hundred and Ninety Five Only) and other 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/06/2023-24/Cap., Dt.05-06-2023 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.1,25,500.00 (Rupees One Lakh Twenty Five Thousand Five Hundred Only) in favour of "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. K.Ravichandran, JWM(SG) / CE(Est) is nominated as Engineering-In-Charge and Shri. S.Vijayakumar, JWM / CE(Est) is nominated as Site-In-Charge 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
FOR & ON BEHALF OF PRESIDENT OF INDIA

Copy to:

1. GM/HR & F&A, HVF, Avadi
2. Shri. K. Ravichandran, JWM(SG) / CE(Est), Engineer-In-Charge
3. Shri. S.Vijayakumar, JWM / CE(Est), Site-In-Charge
4. Shri. G. Ananda Kumar, WM / IMS, Technical Examiner

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

Work Order/Deviation Order No.	HVF/CE/06/2023-24/Cap., Dt.05-06-2023
Acceptance letter No.	Minutes of CWC-I held on 02-06-2023
Contractor's Name	Sri Lakshmi Industries
Name of the work	SPECIAL REPAIRS AND EXTENSION OF BUILDING NO. TB-137 AT HVF ESTATE
CA amount	Rs.50,19,195.00

PARTICULARS

1.	Authority	CWC Decision No. Fy.Level CWC-I
2.	Brief Description of work to be carried out	As per details in sheet attached and adhering to your firm quotation in HVF/CE/13025/CEO/2023-24/03., Dt.17.04.2023 Opened on 17.05.2023 for all terms & conditions therein & rates quoted in Schedule 'A' enclosed with tender documents & Firm's letter No. 549200
3.	Time effect	
a	Date of handing over of the site	07/06/2023 10:00 AM
b	Date of commencement of work	07/06/2023 12:00 AM
c	Date of completion as per contract	03/12/2023 12:00 AM
d	Date of completion shown in previous Orders	NA
e	Revised date of completion	NA
4.	Financial effect (Rs.)	
a	Present order	Rs.50,19,195.00
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.	4076/111/920/34
6.	Certified that no special rate is involved	
7.	Technical Examiner	Shri. G. Ananda Kumar, WM/IMS, Technical Examiner
8.	Approved	Tulasi Rao
9.	Accepted	Sri Lakshmi Industries



K.TULASI RAO
JT.GENERAL MANAGER/IMS
FOR CHIEF GENERAL MANAGER/HVF
FOR & ON BEHALF OF PRESIDENT OF INDIA

Distribution to :-

1. Sri Lakshmi Industries
2. GM/HR & F&A, HVF Avadi
3. Sr. Security Officer
4. Shri. K.Ravichandran, JWM(SG) / CE(Est), Engineer-In-Charge
5. Shri. S.Vijayakumar, JWM / CE(Est), Site-In-Charge
6. Shri. G. Ananda Kumar, WM/IMS, Technical Examiner
7. JGM/Safety, Internal Audit cell, Test Audit, ALWC.
8. The Chief Commissioner of Central Excise, 26/1. Mahatma Gandhi Road, Nungambakkam, Chennai – 600 034.
9. 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	Total Cost
1	Earth work excavation in Soft /Disintegrated Rocks in trenches width and depth not exceeding 1.50m and getting out	35.00	Cu.Metre	900.00	31500.00
2	Dismantling existing damaged steel structure by gas cutting of the damaged structure and handing over the same to CE (estate) stores.	5.00	Quintal	510.00	2550.00
3	Dismantling RCC post embedded in concrete any section, including taking out embedded portion and making good disturbed ground.	120.00	Metre	20.00	2400.00
4	Demolition of brick work built in cement mortar	3.00	Cu.Metre	480.00	1440.00
5	Roughening surfaces of old surface (floor) by picking, sweeping clean and washing down with water to remove dust, etc. including all bye works	150.00	Sq.metre	28.00	4200.00
6	M & L for Vitrified 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.	150.00	Sq.metre	1350.00	202500.00
7	Material and Labour for providing and injecting chemical emulsion for post constructional antitermite 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.	150.00	Metre	80.00	12000.00
8	Material and Labour for providing and injecting chemical emulsion for post constructional antitermite 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.	100.00	Sq.metre	180.00	18000.00
9	Material & Labour for PCC 1:4:8 type D2 using 40mm graded aggregate for foundation	60.00	Cu.Metre	5200.00	312000.00
10	Material and Labour for P.C.C 1:2:4, B1 type using 20mm graded aggregated in foundation and flooring.	65.00	Cu.Metre	7000.00	455000.00

Item Code	Item Description	Quantity	Unit	Rate/Unit	Total Cost
11	Supply and Fixing and Forming 12mm thick Expansion joints filled with pre-formed bituminous filler 100mm thick and top 30mm primed and sealed with sealing compound, Grade 'A'	7.50	Per 10 Running Metre	700.00	5250.00
12	Dismantling of Asbestos cement (corrugated, semi corrugated, etc.) sheets in roof coverings complete all as directed by EIC.	800.00	Sq.metre	20.00	16000.00
13	Supply and Fixing of pre-printed 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.	900.00	Sq.metre	800.00	720000.00
14	Supply and Fixing of pre-printed galvalume aluminium zinc coating GI based plain 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.	50.00	Sq.metre	750.00	37500.00
15	Dismantling of false ceiling boards(fibre, pulp, insulation etc.,) or Asbestos Sheet, insulation boards/slabs. blankets of any thickness and removing to CE Stores as directed	400.00	Sq.metre	30.00	12000.00
16	Material and Labour for GI frame 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 0.55mm. thickness having kurlled web of 50 mm and flange of 26 mm each with lips of 10.5mm fixed to the intermediate channel with connecting clips across the intermediate channel at 457 mm centre to centre with 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 complete all as specified. complete as directed by EIC.	400.00	Sq.metre	500.00	200000.00

Item Code	Item Description	Quantity	Unit	Rate/Unit	Total Cost
17	Material and Labour Providing and fixing 10mm thick plaster of paris ceiling (Gypsum anhydrous) to flat surface with metal frame work and reinforced with G.I. wire mesh (Filleets, metal frame work and G.I. wire mesh paid separately) including for any raised or sunk moulding & Including cornice at corners and applying of neeru finish/putty and one coat of primer and two coats of plastic emulsion complete as directed by EIC. and also making the provisions for electrical fittings etc by cutting the board as approved and complete.	400.00	Sq.metre	1500.00	600000.00
18	Supply and Fixing of M.S Rolled sections (angles, channel, Tee sections etc..) as in main and cross beams, hip and jack rafters, purlins where connected to common rafters fixed with angle cleats or other connecting plates Fe 410 -W (GdeE- 250) quality A as directed.	6000.00	KG	115.00	690000.00
19	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.	220.00	Sq.metre	115.00	25300.00
20	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 old surfaces etc, as directed.	120.00	Sq.metre	125.00	15000.00
21	Providing and fixing factory made UPVC white colour casement (Openable) window made out of extruded profiles with wall thickness of 2.3mm (1.02mm) window profile with hollow section with multi chamber frame(60x58mm) sash (60mmx 73mm T profile one vertical length in between two shutters) (60mmx74mm) glazing bead (35x20mm) will be mitred cut and fusion welded at all corners including drilling of holes for fixing hardware and drainage for water etc., making arrangement for fixing EPDM gasket 1.2 to 0.2mm thick galvanized steel frame (28mmx21.5mm) sash (31mmx27.5mm) T profile(27mmx17mm) to be inserted in required profile frame will be fixed to the wall with 8mm x 10mm long fasteners Hardware casement handle made of zinc alloyed(white powder coated) butt hinges of zinc alloyed (white powder coated) transmission gear made of mild steel multi point locking system and 5mm thick glazing selected quality glass (Note the unit rae quoted by contractor excludes glass ,area not exceeding 1.00 sqm each and includes all fittings as directed by EIC)	16.00	Sq.metre	9800.00	156800.00

Item Code	Item Description	Quantity	Unit	Rate/Unit	Total Cost
22	Providing and fixing factory made UPVC white colour casement (Openable) Door made of extruded profile with wall thickness of 2.3mm (+ -0.2mm). Window profile with hollow section with mitlti chamber, frame (60mm x 58mm), sash (60mm x 78mm). T profile (One vertical length in between two shutters) (60mm x74mm). Glazing bead (35mm x 20mm) will be mitered cut and fusion welded at all corners, including drilling ol holes for fixing hardware and drainage of water etc., making arrangement for fixing of hardware. EPDM gasket 1.2 + -0.2mm thick galvanized steel Frame (28mm x 21.5mm), sash (31mm x 27mm), T profile (27mm x 17mm) to be inserted in required profile, frame will be fixed to the wall with 8mm x100mm long fasteners. Hardware: [casement door handle made of zinc alloyed (white powder coated).Corner striker. Secondary Strikers. Cylinder. Door transmission gear made of mild steel with multi point locking system with strikes. 3D Hinges of zinc alloyed (white powder coated) [and 5mm thick glazing with selected quality glass.(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.).	6.00	Sq.metre	9500.00	57000.00
23	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.	15.00	Sq.metre	850.00	12750.00
24	Material and Labour for Pre-cast cement concrete block Type B1 1:2:4 (using 20mm graded aggregates) masonry with solid blocks, exc. 10 cm in width and setting in mortar, complete as directed by EIC.	30.00	Cu.Metre	8600.00	258000.00
25	M & L for plastering in CM 1:4, 15mm thick on fair faces of brick work and concrete surfaces.	300.00	Sq.metre	330.00	99000.00
26	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	Sq.metre	700.00	17500.00
27	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 2009 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)	350.00	Sq.metre	140.00	49000.00

Item Code	Item Description	Quantity	Unit	Rate/Unit	Total Cost
28	Material and labour for applying two coats of Plastic emulsion on internal wall surfaces including preparation of old wall surfaces complete all as directed.	450.00	Sq.metre	100.00	45000.00
29	EXTERIOR EMULSION: M&L for painting two coats of exterior emulsion (Make APEX ULTIMA of ASIAN PAINTS) including one coat of priming paint applies after preparation of the old existing treatment	450.00	Sq.metre	120.00	54000.00
30	Material and Labour for white washing on ceiling with two coats including preparation of old ceiling surfaces.	50.00	Sq.metre	20.00	1000.00
31	Earthwork excavation in hard/dense soil in trenches width and depth not exceeding 1.50 m and getting out	20.00	Cu.Metre	500.00	10000.00
32	Material and labour for sand filling in foundation including watering and consolidation.	21.00	Cu.Metre	2200.00	46200.00
33	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., (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. (minimum cement conetent shall be 350kg per cum)	10.00	Cu.Metre	7500.00	75000.00
34	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. Used RINL-VIZAG Steel/SAIL/TATA-TISCON/"BIS"MARKED.	1000.00	KG	105.00	105000.00
35	M & L for form work to side of RCC Member such as columns, pillars etc., and the finishing shall be of fair finished surface.	100.00	Sq.metre	550.00	55000.00
36	M & L for plastering in CM 1:4, 12mm thick on RCC Ceiling.	25.00	Sq.metre	380.00	9500.00
37	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.	100.00	Sq.metre	380.00	38000.00

Item Code	Item Description	Quantity	Unit	Rate/Unit	Total Cost
38	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.	12.00	Cu.Metre	1200.00	14400.00
39	S & F of II class hard wood door frame, wrought framed rebated on the solid rounded or chamfered put together+B61with glue pined at joints.	0.10	Cu.Metre	85000.00	8500.00
40	S & F of plain, framed, panelled door shutters 40mm thick made out of II class hard wood.	4.00	Sq.metre	2300.00	9200.00
41	Supply and fixing of holdfast made out of 25 X 6 mm flat fixed to window frame.	2.00	KG	150.00	300.00
42	Supply and fixing of 125mm Butt hinges, extruded aluminium alloy with galvanised mild steel hinge pin, anodised and fixed, type B-21	6.00	Each	150.00	900.00
43	S&F of Aluminium tower bolts, with barrel of extruded section and rolled or cast bolts and fixed 150 mm long.	4.00	Each	110.00	440.00
44	S & F of extruded Aluminium alloy handles, fabricated type, anodised 150mm length.	4.00	Each	110.00	440.00
45	Material and Labour for fixing Aluminium Aldrop bolt 300 mm length	2.00	Each	400.00	800.00
46	Supply and Fixing of door stopper 150mm of aluminium alloy body and tongue, anodised, with hard drawn steel spring	2.00	Each	90.00	180.00
47	M & L for painting to wooden surfaces of any description over 10cm width or girth with Two coats of synthetic enamel paint. including preparing old wooden surfaces.	11.00	Sq.metre	100.00	1100.00
48	S & F of PVC 110mm dia Pipes single socketed, in any length with rubber ring joints laid in trenches or in floors.	30.00	Metre	250.00	7500.00
49	S & F of PVC 110mm dia Pipes single socketed, in any length with rubber ring joints fixed to walls.	15.00	Metre	250.00	3750.00
50	S & F of PVC Bend 110mm dia any radius.	4.00	Each	110.00	440.00
51	PVC (SWR) reducers 110mm dia any radius.	3.00	Each	130.00	390.00
52	Material and Labour for Dubbing out average 10mm thick on irregular face of walls in CM 1:4.	40.00	Sq.metre	200.00	8000.00

Item Code	Item Description	Quantity	Unit	Rate/Unit	Total Cost
53	Material and Labour for glazed ceramic colour tiles in vertical surfaces 300x200x7mm thick set and jointed in neat cement slurry and pointed in white or coloured cement to match including screed bed in CM 1:4 15mm thick complete.	50.00	Sq.metre	1350.00	67500.00
54	Supply and Fixing of Coloured Non Skid ceramic tiles 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 in CM1:3, 20mm thick for laying floor finishes.	20.00	Sq.metre	1450.00	29000.00
55	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	10.00	Each	600.00	6000.00
56	S & F of 20mm Angle/Stop Taps, cast copper alloy fancytype, chromium plated with long shank and cup (concealed type)	8.00	Each	600.00	4800.00
57	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 10lit flushing tank.	5.00	Each	5500.00	27500
58	Supply and Fixing of vitreous china wash basin 580x450 including pillar cock 15mm di waste chain and plug and porcelain stopper and removal of old one from the site.	2.00	Each	3500.00	7000.00
59	M & L for PVC multi floor trap diameter of outlet in 75mm, with grating including jointing with solvent cement.	4.00	Each	350.00	1400.00
60	M & L for PVC Gully trap 125/110mm of dia, setting and jointing with solvent cement.	4.00	Each	250.00	1000.00
61	S & F of PVC Vent Cowl 110mm dia.	1.00	Each	95.00	95.00
62	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	2.00	Each	8000.00	16000.00
63	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	950.00	1900.00
64	S & F of Gun-metal, globe or gate valves 32mm , with iron wheel head, screwed both ends for iron pipe and fixed	4.00	Each	650.00	2600.00

Item Code	Item Description	Quantity	Unit	Rate/Unit	Total Cost
65	M & L for 25mm Ball brass valves, high pressure, with polythene float and flynut complete, screwed for iron pipe or brass ferrule and fixed	3.00	Each	550.00	1650.00
66	S & F of Unplasticised PVC pipes 25mm dia of pressure rating 10 kgf/cm ² laid in trenches	30.00	Metre	125.00	3750.00
67	S & F of Unplasticised PVC pipes 32mm dia of pressure rating 10 kgf/cm ² laid in trenches	30.00	Metre	155.00	4650.00
68	Supply and Fixing of chromium plated cast copper alloy bib cock of size 15mm.	15.00	Each	650.00	9750.00
69	Supply and fixing of cast copper alloy screwed down, high pressure stop cock /angle cock fancy type chromium plated concealed type of size 15mm	8.00	Each	650.00	5200.00
70	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	20.00	Metre	95.00	1900.00
71	Supply and Laying of CPVC 20mm over dia pipes SD 11 & Plain CPVC SDR 11 fittings in trenches complete all as specified.	15.00	Metre	220.00	3300.00
72	Supply and fixing of tubular towel rail 20mm D type 60cm long of aluminium anodized with and including chromium coated brass screws and wooden /plastic cleats.	2.00	Each	320.00	640.00
73	Supply and Fixing of 600x450mm bevelled mirror of selected quality glass mounted on commercial ply wood and fixed to wooden plugs with chromium plated brass screws and cup washers.	2.00	Each	800.00	1600.00
74	Returning / refilling of soil / loose including spreading, levelling, watering and well ramming in layers not exceeding 25cm.	10.00	Cu.Metre	110.00	1100.00

Item Code	Item Description	Quantity	Unit	Rate/Unit	Total Cost
75	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) one light point controlled by one switch light/fan	75.00	Point	950.00	71250.00
76	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) One 3 pin plug socket with switches flush type 5A on same board with 2.5sqmm cable	45.00	Point	280.00	12600.00
77	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) One 3 pin plug socket with switches flush type 6A on Independent board with 2.5sqmm cable	14.00	Point	1100.00	15400.00
78	Supply & fixing of switch piano, flush type single pole one way 6 amps. (Make: ANCHOR / LEGRAND/ HAVELLS).	105.00	Each	100.00	10500.00
79	Supply & fixing of switch piano, flush type single pole one way 16 amps. (Make: ANCHOR / LEGRAND/ HAVELLS).	14.00	Each	200.00	2800.00
80	Supply & fixing of Socket outlet 3 pin, 6A flush type (Make: ANCHOR / LEGRAND/ HAVELLS).	47.00	Each	210.00	9870.00

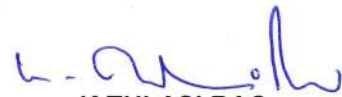
Item Code	Item Description	Quantity	Unit	Rate/Unit	Total Cost
81	Supply & fixing of Socket outlet 2 in 1, 3 pin, 6 and 16 amp flush type (Make: ANCHOR / LEGRAND/ HAVELLS).	14.00	Each	120.00	1680.00
82	Material & Labour for ceiling rose, 3 Phase/PVC/ polycarbonate, isolated body (Make: ANCHOR / LEGRAND/ HAVELLS).	68.00	Each	55.00	3740.00
83	Supply & Fixing of stepped type electronic fan regulator flush type on the existing phenolic laminated sheet etc. (Make: ANCHOR / LEGRAND/ HAVELLS).	24.00	Each	300.00	7200.00
84	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) 2x2.5 sq.mm+1x1.5 sq.mm earth wire	50.00	Metre	230.00	11500.00
85	Material & Labour for wiring with two runs of PVC insulated sheathed single core copper cable up to 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) 2x4.0 sq. mm +1x4.0 sq. mm earth wire	33.00	Metre	260.00	8580.00
86	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.	178.00	Metre	95.00	16910.00
87	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 bus bar, (Make: Legrand/ABB/ Schneider)	1.00	Each	3500.00	3500.00
88	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 (Four pole) 40 To 100 AMP (Make: Legrand/ABB/ Schneider)	1.00	Each	3000.00	3000.00
89	Supply and fix exhaust fan, steel body AC single Phase. 230V of size 300mm sweep with, blades, and frame and louvers (Make: Almonard/ Kaithan/ Crompton)	1.00	Each	3500.00	3500.00

Item Code	Item Description	Quantity	Unit	Rate/Unit	Total Cost
90	Taking down copper/aluminium point wiring (light,fan,socket or power) complete, including fixture and fittings such as switches, ceiling roses, pendants, regulators, sockets, light fitting, exhaust fan etc removing materials to store for keeping in safe custody .	35.00	Each	50.00	1750.00
91	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 / Klite/ Bajaj/ Luker.	44.00	Each	1300.00	57200.00
92	Supply and fixing LED light fitting mirror type with high out put 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. Make: PHILIPS / CG /Havells / Wipro/ Klite/ Bajaj / Luker.	1.00	Each	1450.00	1450.00
93	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	2.00	Each	7000.00	14000.00
94	Supply & fixing of galvanised steel tubes, medium grade 20mm dia	25.00	Metre	200.00	5000.00
95	Supply and fixing of ceiling fan of 1200mm size. (Make: Orient -pspo/ Usha-ultimate/Crompton Greaves).	22.00	Each	2350.00	51700.00
Total of Items Rs.					5019195.00
Add Taxes as applicable Rs.					0.00
Gross Total Rs.					5019195.00


K.TULASI RAO
JT.GENERAL MANAGER/IMS
FOR CHIEF GENERAL MANAGER/HVF
FOR & ON BEHALF OF 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 and a record contractor has to maintain attendance and wages register has to pay their workmen in presence of Site-In-Charge of the work who is the authorised representative of principle employer. The Site-In-Charge shall endorse in the wages register that payment is made in his presence.
3. Safety Clause: Annexure-A 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)



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SAFETY POINTS TO BE CONFIRMED AND FOLLOWED BY THE CONTRACTORS:

1	Working with Safety is the responsibility of every worker individually and collectively. The contractor will be fully responsible for safe working at site.
2	Contractors should ensure that workers under his control do not come to work under the influence of intoxicants. Any worker found on duty under the influence of liquor or of intoxicating drugs, will be liable to severe disciplinary action / removal from site.
3	The contractor shall ensure of necessary shut- down where ever there are hazards of gases, electricity, moving machineries etc.. by the executing department & also ensure that these shutdown clearances are taken in writing before sending workers to such locations.
4	Height Pass (Permit for working at heights) and Safety permit must be obtained by the contractor from Safety Section / HVF, before commencement of the work and the same shall be handed over to Engineer In-Charge (EIC).
5	Every worker who is to be deployed for working at height must submit a certificate from a Government Doctor that he has been examined for physical and mental fitness and certified to be fit. This certificate is to be produced every six months. The fitness will include freedom from (1) Epilepsy (2) High BP (3) Obesity (4) Vertigo along with general fitness and good eye sight.
6	The persons engaged by the contractor must have the training certificate of working at heights issued by a reputed institution.
7	All work at height must be carried out under the supervision of an Experienced and Trained Supervisory Team wherein the workers and Supervisory staff are well conversant with use of Personnel Protective Equipments (PPE's).
8	There must be one supervisor to exclusively monitor the activities of workers at the roof to ensure that all people are adhering to all safety precautions like laying of net at top of roof, safety belt and fall arrestor tied with lifeline in addition to the supervisor at ground work spot.
9	List of PPEs proposed to be used along with Test Certificate of the same must be submitted by the Contractor to EIC before start of work.
10	The safety of Men and Material is the entire responsibility of the Contractor. The Workers must limit their movement to the designated work areas and not loiter around.
11	The contractor must take Insurance policy for workman covering workman's compensation act and submit the copy of the same to EIC before commencement of work.
12	The Contractor should commence the work only after clearance for starting the work is given by EIC / SIC / Safety Section representative / User Section representative / Service section representative (if involved) in writing after ensuring compliance of all safety instructions, safe work conditions and regulations. It must be ensured that all safety requirements like use of Safety belts, full body harness, Life line Protection, Helmets, Safety nets etc.. in place and ready to be used by their labours.
13	The Contractor must use BOOM lift for Climbing up / down from heights.
14	Before Commencement of work at height all moving equipments under roof sheet where work is to be carried out shall be shut.
15	Workers should be conversant with the use of Retractable fall arrestor, life line, safe work ladder, duck ladder, crawling board , Helmets etc., The work of fixing safety net must be carried out by experienced person and precaution be taken so that net is fixed to a structural member sufficiently strong to bear at least one ton load and on sagging under the load of fall the net must not strike a machine structure or part of building or crane.
16	Ladders, if used, must have a nylon rope for tying on top and bottom with suitable self locking hooks, screws, rings etc.,
17	Use of Anchor plates to fix the lifeline etc must be done wherever necessary / feasible
18	In case the site conditions demands, a Safety Net may be fixed firmly on the fragile roof with the help of J-Bolts and this must be used for taking a life line. Proper training for the above must be imparted by the contractor to workers working on fragile roof and in any case fragile roof must not be taken for granted as safe.

19	During climbing on roof or on electrical pole using ladder or otherwise precautions must be taken to use two self locking hooks with lifelines and as climbing these hooks should be alternatively attached and detached with the cross bars / foot bars to prevent any eventual fall due to slippage. After reaching the roof of the top end of the ladder must be tied to the pole / fixed structure on top of the roof and work should be started thereafter.
20	The workers working at height must be cautioned not to allow leaving of loose items like broken sheets over the roof after completion of work.
21	Before starting the work, the area of work at height must be clearly defined and accordingly safety net of sufficient size should be put covering an area of 2.5 meters beyond the working area on all sides. The area of work at height and the approach also to be earmarked. The workers must specifically follow the specified route to reach the work area. If approach route is not firm than appropriate PPE as mentioned above must be used to ensure safety at work.
22	The Engineer in-charge executing the contract upon his satisfaction that the Contractor is not performing as per the safety requirements may direct stoppage of work. The contractor shall not proceed with the work until he has complied with such directions to the satisfaction of concerned Engineer in-charge.
23	On getting a Verbal intimation from Safety Section representatives / User Section representative regarding in any lapses in safety by the Contractor or his workers, the work should be stopped immediately. The verbal intimation must be followed up with written statement to civil section (Executing Section). After receiving the written statement from above representative, the EIC may pass orders wherein the contractor shall be liable for penalty of Rs.5000/- for the first violation, Rs. 10000/- for the second violation and Rs. 20000 /- for the Third Violation. For the Fourth violation his contract shall be liable cancelled and to be debarred from further contracts. The penalty / fine amounts will have to be deposited by Contractor in the form of MRO and the MRO will be handed over by the contractor to the EIC.
24	Suitable scaffolding should be provided for workmen for all works that cannot be safely be done from the ground or from solid construction.
25	While standing on the valley gutter, the safety belt should be worn and the life line should be tied to the purlin of the adjacent bay
26	In case the Contractor need to engage material handling equipments from outside, the following documents are required to be submitted to HVF without fail ; - Competent person certificate issued by Competent Person approved by the Directorate of Industrial Safety and health. - Registration certificate of the equipments - Lifting tackles like wire rope, slings are also to be certified by the Competent person as they are part of the lifting material handling equipments. - The valid driving licenses of the driver who operates the material handling equipments.


(K. TULASI RAO)

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

NAME OF THE WORK: SPECIAL REPAIRS AND EXTENSION OF BUILDING NO. TB-137 AT HVF ESTATE.

GENERAL SPECIFICATIONS

1. Sand : Fine aggregate for concrete work shall conform to materials specifications and grading within the limits of grading zones II or III all as specified in clauses 4.4 to 4.4.7.3 of MES Schedule Part-I. Contractor may without any extra cost in lieu of river sand use manufactured sand (crushed stone sand) produced from hard granite/basalt/black trap stone, having cubical shaped particles with grounded edges of ground gradation zone II / III as per IS 383 – 1970 as applicable. In the market it is known as M-sand / Robo sand / I-sand etc. For pricing deviations, SSR rates shall only be applicable without any price adjustment for manufactured sand. However manufactured sand shall be used only in concrete, Cushioning and masonry works. For plastering, river sand shall only be used.
2. The brick to be used for the work shall be of well burnt, good quality bricks free from cracks, flaws, wraps and nodules of free lime and shall be of uniform sizes and shape.
3. The aggregates to be used for the concrete shall be of black or blue hard granite aggregate free from quarry dust, earth etc. The size of the aggregate shall be of uniform size as per the requirement. Flaky & elongated pieces over sizes shall be avoided.
4. The cement to be used shall be of OPC (Ordinary Portland Cement) of 43 Grade and 53 grade in accordance with IS:8112-1989 only of "The Associated Cement Companies Ltd, Grasim Industries Ltd, Ultra Tech Cement, The India Cement, Dalmia Cement, Andhra Cement Ltd, Century Cements, Saurashtra Cement, Madras Cement, Mangalam Cement, Birla Cement, Orient Cement, Lafarge Cement, Shree Cement, J.K. Cement, Jaypee Rewa Cement, Binani Cement, Lakshmi Cement, Gujrat Ambuja Cement and Bangur Cement , age not more than six months from date of manufacture.
5. All the Mass concrete work should be of Ready Mix Concrete (RMC). RMC shall be procured by the contractor from following producers whose RMC plants are fully Automatic plants and confirm to the IS 4926-2003 and IS 4925-2004.
6. The concrete test certificate for samples taken at RMC plant should be submitted to E-I-C.
7. The contractor should cast 3 Nos. of concrete cube per 200 CUM of concrete at site. The testing of concrete cubes to be done by the contractor at his own cost at government approved testing lab. The relevant test certificate should be submitted to E-I-C
8. All the cement works shall be cured for at least 21 Days.
9. The normal concrete shall be of machine mixed and no manual mixing shall be allowed and the materials required for the concrete and the cement work shall be measured by means of weigh batching/ measurement boxes only as directed by E-I-C and no other mode of measurement shall be allowed.
10. All the concrete work shall be compacted using mechanical vibrator or surface vibrator as required.
11. The tiles for the work to be used shall be of JHONSON / KAJARIA / NITCO make
12. The Structural Steel to be used shall be of RINL – VIZAG Steel / SAIL / TATA – TISCON / " BIS" Marked Primary manufacturers.
13. The primer to be used on steel and wooden surface must be of first quality ASIAN / NEROLAC / BERGER make only
14. The enamel paint / External Emulsion / Internal Emulsion / OBD to be used must be first quality ASIAN / NEROLAC / BERGER make only. The Cement Paint to be used must be first quality SUPERCEM / DUROCEM / SNOWCEM
15. All the materials must be approved by E-I-C before incorporation into the work and shall have ISI / BIS Mark.
16. All Sanitary fitting make shall be of Make – Parryware / Hindware / Nycer / Johnson
17. Wherever make of any item is specifically mentioned in the description of the BOQ Items, the items/material of that specified make must be supplied/fixed by the contractor with the approval of E-I-C

GENERAL CONDITIONS

- 1 All the works are to be carried out as per the Standard Procedure laid in SSR `2009 Part-I
- 2 All the materials, tools etc., required for the work shall be the responsibility of the Contractor.
- 3 The safety of men and materials shall be the responsibility of the contractor. Chief General Manager / HVF will not have any responsibility in this account. The contractor will be solely responsible for any accidents occurring during execution of the work.
- 4 All the materials shall be got approved by E-I-C before incorporation into the work and shall have ISI Mark. Original cash vouchers of materials purchased and used by contractor on the work shall be submitted to EIC/ Site in-charge for record. Inward gate pass of all materials being brought by contractor are to be made on a pucca bound register and got it checked along with cash vouchers from the E-I-C /Site-In-Charge at the time of its entry in the Factory/Estate.
- 5 The contractor should take Workmen compensation, Insurance Policy as per Workmen Compensation Act for the workers in this work and copies of the same shall be handed over to E-I-C before commencement of the work. Further, in case of the death of the contractor person, the contractor will have to arrange for the compensatory payment after meeting the legal heir of the deceased and obtain the necessary acknowledgement for having made the payment. A copy of the same should be submitted to the Principal employer (Chief General Manager) within 30 days of the accident. If any failure in this regard happens on the contractor's part, the recovery of the amount shall be arranged from the contractor's bill.
- 6 The entire work shall be carried out as per the relevant clauses/specifications of **MES SSR 2020** and **SOP for Civil works in AVNL- 2021**.
- 7 Contract period shall be '**SIX MONTHS (180 Days)**' from the date of handing over the site.
- 8 The maintenance period shall be '**TWELVE MONTHS**' from the date of completion of the work.
- 9 The contractor may visit the site before quoting their rates with prior appointment with Divisional Officers of CE / EE
- 10 The safety norms shall be strictly followed and any deviation will lead to cancellation of the contract agreement.
- 11 All the workmen should confine to their work spot only and should not venture into areas other than the work spot.
- 12 The work shall be completed within the stipulated period, failing which liquidity damages shall be deducted from the Contract amount as per **IAFW 2249** and **SOP for Civil works in AVNL- 2021**.
- 13 Any damages to Government property, shall be made good, free of cost by the contractor
- 14 The dismantled materials except credit item if any shall be returned to CE / EE stores intact.
- 15 The order is for complete work and on completion of the job; the work shall be jointly inspected by the Contractor and CE / EE representatives.
- 16 Adequate safety precautions are to be adopted by the Contractor while working at height such as **i)** Safety Helmets to all the personnel, **ii)** Roof ladder shall be arranged for roof work, **iii)** Full Body harness safety belt shall be arranged for the workmen, **iv)** Retractable fall arrestor to be arranged by the contractor for the workmen working at height, **v)** Life line to be arranged for the personnel working at height and **vi)** Safety net to be tied as per safety norms.
- 17 Safety permit shall be obtained by the contractor from safety section /HVF before commencement of the subject work and same shall be handed over to EIC.
- 18 The contractor shall engage skilled labourers only, for the works such as Roof Work, Masonry, plumbing, plastering, Painting and electrical works etc.
- 19 The contractor shall engage a qualified site supervisor and his relevant qualification certificate shall be produced before commencement of work to E-I-C to maintain all the relevant records and documents.
- 20 All Xerox copies of material pass in slips shall be handed over to CE / EE
- 21 The demolished debris shall be disposed off from the site as per the directions of E-I-C
- 22 The Labours to be employed for roof work shall be insured and the copy of the insurance shall be handed over to the Engineer-In-Charge before the commencement of work.
- 23 The order is for complete work and any minor material/minor civil work required for completing the work is deemed to have been included in the quotation, if not specifically stated otherwise.

- 24 The contractor must submit the Certificates / documentations obtained from the Original Manufacturer / Authorised Dealers to prove the genuineness / Authenticity of the branded - materials / chemicals / products being supplied / used during execution as per scope of work of the Contract Agreement. These documents must be submitted to E-I-C before using the materials.
- 25 In view of the safety of Man & Materials, the Contractor is advised to use Boom Lift for doing all the work involving working at height including all types of roof works, under the roof works and roof related works.
- 26 The Contractor is advised to visit the work site with prior permission of Divisional Officers of CE / EE for inspection of the site for seeing the suitability of using Boom Lift for all types of work involving working at height including all types of roof works, under the roof works and roof related works before quoting for the tender.

PARTICULAR SPECIFICATION

- a) All the materials shall be got approved before incorporation into the work from E - I - C.
- b) Galvalume sheet shall be 0.50mm thick (total coated thickness), 550 Mpa minimum yield strength. It shall be coated with hot dip alloy of 55%, Aluminium 43.5%, Zinc 1.5% Silicon and finished with resin coat on both surfaces @ 150gm/sqm of coating (total both surfaces) having overall width and laid width as specified and shall be fixed using hot dip galvanized, self drilling and self tapping screws neoprene and EPDM washers. Penetrations and laps in sheet shall be sealed by using proper sealant profile. HDPE filters shall be provided wherever required to close voids between sheets, sheet & fasteners etc.,. Fixing system shall be as per manufacturers instruction and shall be safe against effects of wind velocity. And the galuvalume sheets shall be of **"TATA BLUE SCOPE BUILDING SOLUTIONS", "JSW ISPAT STEEL LTD", "LLOYD INSULATIONS ", "KIRBY BUILDINGS SYSTEMS", "MULTI COLOUR STEELS", "ZAMEL STEEL BUILDING INDIA PVT LTD", BHUSHAN STEEL LIMITED", "META TECH COMSTN PVT LTD", "COLOUR ROOF INDIA LTD", "CENTURY WELLS ROFFING INDIA LTD", ISPAT INDUSTRIES LTD"** Makes only. Fixing system shall be as per manufacturers instructions.
- c) Valley Gutters shall be provided with proper slope over the MS brackets and joints has to be soldered /fixed with leak proof paste and connected to the existing down take pipe with seamless joint.
- d) Dismantling and re-fixing of the lightening conductors has to be done carefully without damaging the aluminum straps and lightning receivers any damage occurs should be replaced by the contractor at free of cost.
- e) After completion of the work lightening conductors has to be checked to ensure the proper functioning.
- f) The contractor should visit the site before quoting the tender. The Galvalume / Asbestos Cement Sheet / Non Asbestos high impact polypropylene reinforced cement corrugated sheet profile should match the existing / damaged sheets profile. The profile / Colour of the Galvalume sheet shall be approved by EIC.
- g) The Asbestos Cement sheet make shall be of **"RAMCO, VISAKA, ACC, EVEREST**. The make shall be approved by EIC.
- h) The Non Asbestos high impact polypropylene reinforced cement corrugated sheet make shall be of **"RAMCO, VISAKA, ACC, EVEREST, HIL** or equivalent. The make shall be approved by EIC.
- i) The MS Flat shall be fixed on top of existing galvalume sheet / Asbestos Cement Sheet / Non Asbestos high impact polypropylene reinforced cement corrugated sheet according to the existing alignment of the purlin below the galvalume sheet with anti corrosive self tapping screws with EDPM washers and "J" bolt with required washer(to prevent the leakage of water) at the rafter portion. The flat shall be fixed with anti corrosive self tapping screws with EDPM washers over crest of Galvalume sheet and the screw heads shall be applied with MS polymer (modified selaine) based sealant / adhesive to seal drilling holes in MS Flat / Galvalume sheet.
- j) The structural Mild Steel to be used for the work shall be of **SAIL, VIZAG, JINDAL STEEL, JSL Ispat, TATA**

ELECTRICAL PARTICULAR SPECIFICATION

- 1 All the materials shall be got approved before incorporation into the work from E-I-C.
- 2 The material used should conform to relevant I.S specification with ISI mark.
- 3 Wiring work should confirm to IS 732 code of practice for electrical wiring installations.
- 4 Wiring should be done block wise and shall be completed in all respect so as to restore the supply in the evening.
- 5 Earthing work should confirm to IS 3043 strictly.
- 6 All steel parts should be painted with one coat of red oxide and two coats of synthetic enamel/ aluminum paint as directed.
- 7 All nuts, bolts, screws etc., used for the works will be galvanized/cadmium plated.
- 8 On completion of work, the contractor should carry out all the tests and submit all the documents (IR & ER values) specified including drawing/layout of the work done.
- 9 The work is for complete work and any minor material/minor civil work required for completing the work is deemed to have been included in the quotation, if not specifically stated otherwise.
- 10 While selecting concealed boxes of sun mica top sheet sizes should be 90x90mm, 130x130mm, 130x180mm or 230x330mm and box depth to be maintained 65mm (minimum). Box should have proper fixing arrangement for earth lid and sun mica top.
- 11 The Contactor shall take shut down with the knowledge of Concerned Shop and deploy their workmen. All safety precautions shall be taken while working.



(K. TULASI RAO)

JT. GENERAL MANAGER / IMS

For CHIEF GENERAL MANAGER / HVF

For And On Behalf Of THE PRESIDENT OF INDIA

INSTRUCTIONS TO CONTRACTORS

- 1 The work is to be completed within the period (in accordance within the phasing, if any, indicated in the tender) from the date of handing over of the site, which will on or about.
- 2 Execution of the subject work shall be carried out strictly as per the specifications mentioned in MES SSR-2009 Part-I and the materials shall be used as per IS Specifications and also as instructed/directed by Site In Charge/ Engineer-In-Charge of the work from time to time.
- 3 All good quality of materials shall be brought by the contractor for incorporation in the work shall be got checked & approved by EIC/SIC before incorporating in the work. All ISI marked/ EIC approved materials for Building materials and approved branded Electrical materials as directed by EIC shall be supplied by the Contractor for incorporation in the work.
- 4 The Contractor shall follow and execute all works as per the instructions of SIC/ EIC with the approval at every stage and then progress the work. The progress of the work shall be recorded day-to-day basis in the prescribed work diary for checking.
- 5 The Plant & Machineries like concrete mixer, vibrator & other machineries like tools, tackles, welding arrangement, Gas cutting equipments etc., has to be arranged by the contractor of his own and shall be in good condition.
- 6 PVC-Verification Report for the workers to be deployed on work inside the Factory shall be arranged by the Firm on their own.
- 7 Water & Electricity will be supplied by HVF at the prescribed /prevailing charges and the same will be deducted from the Contractors Bill. And electrical charges given by EE Section should be deposited as directed in Cash office and submit the acknowledgement.
- 8 The copies of relevant documents showing the work done of similar nature of work shall be enclosed /mentioned to enable verification by HVF.
- 9 The contractor shall give details of Engineers, Technical persons skilled persons with their qualifications & experience along with the details of Plant & Machineries, Trucks & other machineries owned by him for execution of the work.
- 10 The Contractor shall submit a Bar Chart/ PERT Chart showing the completion of the work showing the simultaneous progress of independent works at the same time so as to complete the work within the stipulated time. The chart shall indicate the planning of the work with progress and completion in time. The Contractor shall give PDCs for various stages of work to enable monitoring of work progress.
- 11 The Contractor shall have to adhere to all the safety rules/ regulations laid down by safety section /HVF & General safety instructions from time to time.
- 12 The Contractor has to follow all the rules and regulations laid down by the IAFW-2249, MES (Defence Services Rules & Regulations) and SOP for Civil works in AVNL- 2021.
- 13 The Contractor shall make arrangement to clear the area in and around the work site and remove all debris emerged out from the site shall be cleared as per instruction of EIC/SIC and as per the contract conditions.
- 14 The contract will be executed as per the General Conditions of Contract IAFW-2249 and SOP for Civil works in AVNL- 2021.
- 15 All Government Taxes as applicable from Time to Time, including GST for Civil / Electrical works, shall be borne by the Contractor and the quotation / offer shall be inclusive of all taxes including GST. It will be the duty of the contractor to completely update himself about prevailing taxes and rates and this office will not issue any certificate regarding taxes.
- 16 The offer should confirm to technical specification and general conditions of contract.
- 17 Agreed for execution of work inside the factory (Restricted Area) by adhering all Factories, Security & Safety Rules & regulations which are in force.

- 18 Agreed for bringing material for incorporation in the work as specified/ as directed/ as per IS specified and approved.
- 19 Terms & Conditions of payment mentioned in Contract is Acceptable.
- 20 Agreed for Condition No.25 under sub Para (c) of IAFW-2249 regarding Contractors Supervision.
- 21 Agreed for inspection of work at every stage of work.
- 22 Agreed for deploying only Police verified (PVR) Workers.
- 23 The Contractor shall be solely responsible for the soundness of the structure including lean period. The contractor shall guarantee satisfactory performance of the work for a period of 12 months from the date of successful completion of the work.
- 24 The firm shall undertake to rectify any defect including replacement of defective parts resulting from faulty design, poor workmanship, bad materials etc., during the erection as well as within guarantee period free of charge.
- 25 Agreed for submission of Security Deposit as mentioned in the contract.
- 26 Compensation for delay in completion of the work/ Liquidated damage clause is accepted.
- 27 Arbitration Clause: All disputes & differences arising out of or in any way touching or concerning this agreement (except these for which specific provision has been made therein) shall be referred to Sole Arbitrator to be appointed by CMD/AVNL, Government of India. The Arbitrator so appointed shall be a Government servant who had not dealt with matters to which this agreement relates and in course of this duties had not expressed views on all or any of the matter in disputes or differences. The award of the Sole Arbitrator shall be final and binding on the parties.
- 28 Dispute subject to Tamilnadu Jurisdiction accepted.
- 29 The firm is agreed the clause of compensation as well as Risk and Cost and it is hereby agreed the same.
- 30 No worker less than eighteen years of age on the date of employment shall be engaged by the contractor for the work.
- 31 Contractor has to obtain a Certificate from Labour Commissioner (C), Tamilnadu if he employ more than 10 workmen or less than 20 workmen under Building & Construction Works (RE-CS) Act 1996 & Central Rules 1998.
- 32 The workers shall be paid as per the Minimum Wages Act 1948 and to be followed as per the notification issued from Ministry of Labour from time to time
- 33 The workers engaged above 3 mtr. Height shall be medically checked and necessary medical certificate shall be produced.
- 34 The contractor must carefully study the safety provisions as mentioned in Annexure "A" of the tender and must follow the safety precautions and measures totally. By confirming compliance to this point, the contractor submits his compliance to follow all the safety provisions mentioned in the Annexure.
- 35 The contractor must carefully study all files listed in the tender attachment (in pdf) and must follow the same. By confirming compliance to this point, the contractor submits his compliance to follow all the provisions / clauses mentioned in the tender attachments.


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