

TAMIL NADU POLICE HOUSING CORPORATION LTD.,
(An ISO 9001: 2015 Certified Company)
No. 132, E.V.R. Salai, Kilpauk, Chennai – 10



Lr.No. CE/Plg//Women Police Hostel/2023

Dated:06.06.2023

To

The Director General of Police,
Commissioner of Police,
Greater Chennai Police,
Vepery, Chennai – 07

Sir,

Sub: TNPHC– Construction of new building for Women Police Hostel with 200 Capacity at Chindadripet in Chennai City - Feasibility report and detailed estimate proposal-Sent– approval requested Regarding.

Ref: Budget Announcement 2023 – 2024 on 20.04.2023 & 21.04.2023.

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With reference to the above cited, the Construction of new building for Women Police Hostel with 200-person Capacity at Chindadripet in Chennai City to a value of **Rs. 1047.00 Lakhs** comes under the Announcement of Hon'ble Chief Minister of Tamil Nadu as Announcement No.71.

2) Accordingly, the detailed estimate for the Construction of new building for Women Police Hostel with 200-person Capacity at Chindadripet in Chennai City is prepared adopting PWD schedule of rates 2023-24, Electrical SD data for the rates for the year of 2023-2024 and TWAD schedule of rates for the year of 2022 - 23 and including all over head charges. Necessary Type design and tentative layout are enclosed herewith.

Sl. No	Name of Work	Amount in Lakhs	Remarks
1.	Construction of new building for Women Police Hostel with 200-person Capacity at Chindadripet in Chennai City	1047.00	<ul style="list-style-type: none">❖ The land identified in S.No.472/1, Block No.10 at Chindadripet, Mylapore Taluk in Chennai City having an extent of 839.50 Sq.M❖ The site at continuous building area comes under primary residential zone.

			<ul style="list-style-type: none"> ❖ Width of the road is starting by 10.50 M and ends by 13.10 m ❖ It is feasible to construct the new building after dismantling the Anti Vice Squad office which is functioning now.
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3) It is requested that necessary administrative and financial sanction may be obtained from the competent authority and communicated to us to take up the work early.

✓ **Encl: As Stated.**

Yours faithfully,

Dr. B. B. B. B.
Chief Engineer

Dr. B. B. B. B.
b/b

Tamil Nadu Police Housing Corporation Limited

GENERAL ABSTRACT

Construction Of Women Police Hostel with 200 Capacity at Chindadripet In Chennai City

Sl.No.	Qty	Description	Rate	Unit	Amount
		BUILDING WORKS	AS PER PWD SR 2023-2024		
1	1.00	Main building	55186776.58	1 unit	55186776.58
		SUB - TOTAL - I Rs.			55186776.58
		Development works			
2		Provision for Borewell & External Water supply	866192.80		866192.80
3		Provision for RCC Sump	1742581.07		1742581.07
4		Provision for CC Road	799450.49		799450.49
5		Provision for 13 persons Lift arrangements	2123665.00		2123665.00
6		Provision for Steel Cot with Mattress	1640000.00		1640000.00
7		Provision for Plinth Protection	341437.30		341437.30
8		Provision for Genset arrangemnts	1034142.50		1034142.50
9		Provision for Fire Fighting	4821917.00		4821917.00
10		Provision for Compound wall	853941.03		853941.03
		SUB - TOTAL - II Rs.			69410103.77
11		Provision for CCTV Arrangements			2000000.00
12		Provision for Solar Panel Arrangements			1000000.00
13		Provision for Kitchen vessels and dinning table Arrangements			3500000.00
14		Provision for Ac arrangements			3500000.00
15		Provision for Soil investigation			100000.00
		SUB - TOTAL - III Rs.			79510103.77

Sl.No.	Qty	Description	Rate	Unit	Amount
16		GST at 18.0% (GST at 9% + CGST 9%)			14311818.68
		SUB - TOTAL - IV Rs.			93821922.45
17		Labour Welfare fund @ 1.0%	As pr PWD Norms		795101.04
18		Petty Supervision & Contigencies charges at 1.0 %	As pr PWD Norms		795471.32
19		Supervision Charges @ 5%	As pr PWD Norms		3975505.19
		SUB - TOTAL - V Rs.			99388000.00
20		Advertisement charges	LS		112000.00
21		Provision for EB Deposits	LS		1500000.00
22		Provision for planning permission & payment to other department	LS		1500000.00
23		Provision for CMWSSB	LS		2100000.00
24		Structural Design / Consultancy charges	LS		100000.00
		GRAND TOTAL Rs.			104700000.00
		Say	1047.00	Lakhs	


Chief Engineer
Tamilnadu Police Housing Corporation Ltd.
Chennai - 600 010.


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Construction Of Women Police Hostel with 200 Capacity at Chindadripet In Chennai City

Sl. No.	Description	Rate using [C.S Sand]	Unit	Total Qty. (Buildg.+ Dev.)	
				Qty	Amount
1.1	Earth work excavation in all soils (including refilling)				
	a. 0 to 2 mt.	260.80	Cum.	932.20	243117.76
	b. 2 to 3 mt.	272.41	Cum.		
1.5	Earth work excavation for Open foundation (excluding refilling)				
	a. 0 to 2 mt.	123.26	Cum.	186.90	23037.29
	b. 2 to 3 mt.	134.87	Cum.	66.60	8982.34
3.1	C.C.1:5:10 for Foundation & Basement	5004.12	Cum.	183.80	919757.26
3.2	P.C.C. 1:2:4 for Foundation & Basement and other similar works	6555.58	Cum.	47.00	308112.26
6.2	Brick work in C.M. 1:5 (F& B) using chamber Burnt bricks of size 23 x 11.4 x 7.5 cm (9" x 4 1/2"x 3")	6865.34	Cum.	127.00	871898.18
7.2	Supply and fixing of Bituminous filler pad, 20 mm tk. for expansion joint	719.00	Sqm.	4.00	2876.00
9.2	Brick work in C.M. 1:6 using chamber Burnt bricks of size 23 x 11.4 x 7.5 cm (9" x 4 1/2"x 3")				
	a. In Ground Floor/Stilt floor	6894.14	Cum.	61.00	420542.54
	b. In First Floor	7069.26	Cum.	55.00	388809.30
	c. In Second Floor	7244.38	Cum.	55.00	398440.90
	d. In Third Floor	7419.50	Cum.	55.00	408072.50
	e. In Fourth Floor	7594.62	Cum.	55.00	417704.10
	f. In Fifth floor	7769.74	Cum.	55.00	427335.70
	g. In sixth floor	7944.86	Cum.	26.90	213716.73
10.2	Brick partition work in C.M. 1:4 using chamber Burnt bricks of size 23 x 11.4 x 7.5 cm (9" x 4 1/2"x 3") 114 mm tk (B.P.)				
	a. In Foundation and basement	872.80	Sqm.	181.90	158762.32
	b. In Ground Floor/stilt floor	882.69	Sqm.	12.70	11210.16
	c. In First Floor	902.65	Sqm.	144.90	130793.99
	d. In Second Floor	922.61	Sqm.	152.50	140698.03
	e. In Third Floor	942.57	Sqm.	152.50	143741.93
	f. In Fourth Floor	962.53	Sqm.	152.50	146785.83
	f. In Fifth floor	982.49	Sqm.	152.50	149829.73
11.2	Brick work in C.M. 1:4 using chamber Burnt bricks of size 23 x 11.4 x 7.5 cm (9" x 4 1/2"x 3") 75 mm tk (B.P.)				
	a. In Ground Floor	618.32	Sqm.	20.20	12490.06
	b. In First Floor	631.45	Sqm.	60.50	38202.73
	c. In Second Floor	644.58	Sqm.	79.40	51179.65
	d. In Third Floor	657.71	Sqm.	79.40	52222.17
	e. In Fourth Floor	670.84	Sqm.	79.40	53264.70
	f. In Fifth floor	683.97	Sqm.	79.40	54307.22
13.1	Filling with Excavated Earth	42.85	Cum.	59.50	2549.58
21.2	Teak wood Wrought & Put up				
	a. T.W. over 2 m & below 3 m	126659.00	Cum.	0.126	15959.03
	b. T.W. below 2 m length.	114459.00	Cum.	0.090	10301.31
23.3	S&F of Magnetic door catches	52.00	Each	85.00	4420.00
25.0	M.S.Holdfast	9.60	Each	510.00	4896.00

Sl. No.	Description	Rate using [C.S Sand]	Unit	Total Qty. (Buildg.+ Dev.)	
				Qty	Amount
26.0	Flooring in C.C.1:5:10	5004.12	Cum.	29.80	149122.78
30.0	Ellispattern	480.72	Sqm.	39.30	18892.30
31.0	Weathering course	3912.13	Cum.	128.80	503882.34
32.1	Pressed tiles (23cmx23cmx20mm) mixed with Water proofing compound	1271.14	Sqm.	485.40	617011.36
33.0	Plastering in C.M. 1:5, 12 mm tk.	270.54	Sqm.	7875.40	2130610.72
34.0	Plastering in C.M. 1:4, 20 mm tk.	552.19	Sqm.	4.40	2429.64
35.0	Spl. Ceiling plastering in C.M. 1:3, 10 mm tk.	311.17	Sqm.	744.40	231634.95
36.0	Cement mortar Border in C.M. 1:5, 12 mm				
	a. 150 mm wide	87.63	Rmt	485.70	42561.89
	b. 75 mm wide	57.22	Rmt	485.70	27791.75
	c. 50 mm wide	42.63	Rmt	485.70	20705.39
37.1	White washing 3 coats (slaked)	49.68	Sqm.	744.40	36981.79
39.0	M.s Grills	70.15	Kg.	11318.80	794013.82
40.0	Painting - New "wood work"	248.88	Sqm.	407.60	101443.49
41.0	Painting - New "iron work"	147.11	Sqm.	355.00	52224.05
46.0	S & F 20 mm dia Alu. Hanger Rod	58.00	Rmt	82.30	4773.40
47.0	S & F Alu Towel rail 75 cm long	95.00	Each	30.00	2850.00
48.0	S & F 5 pin Coat stand	55.00	Each	40.00	2200.00
49.0	S & F chromium plated 8 guage Picture Hook	1.50	Each	48.00	72.00
50.1	Precast slab 50 mm tk.in C.C. 1:3:6	423.77	Sqm.	72.00	30511.44
50.2	Providing precast Kerb stone in C.C. 1:3:6, 450 x 300 x 150 mm	271.04	Rmt	155.40	42119.62
50.3	Supply and planting avenue trees	369.37	Each	10.00	3693.70
50.4	Providing Tree guard	927.75	Each	10.00	9277.50
50.5	Supplying. Fabricating and erection of M.S Scheme Name board	20001.25	Each	1.00	20001.25
52.1	G.I Pipe 20mm dia for Hot water line (Fully Concealed in walls)	332.89	Rmt	10.00	3328.90
53.3	C.I. Steps (5 kg)	30.00	Each	38.00	1140.00
59.2	Gully Trap using chamber burnt bricks of size 23x11.4x7.5cm	2163.31	Each	20.00	43266.20
60.0	PVC Nahani trap (4way/2way)	160.00	Each	80.00	12800.00
72.0	Box type Fibre Fan hook	33.90	Each	119.00	4034.10
74.0	Charges for fixing of "Fan"	602.50	Each	119.00	71697.50
76.0	8 SWG wire	27.13	Rmt	46.00	1247.98
77.3	S&F of TV/Telephone line Socket	77.00	Each	10.00	770.00
77.4	S&F of 20mm dia PVC pipe for TV/Telephone	90.78	Rmt	150.00	13617.00
78.0	Earthing Station IS3043 (Type I)	2997.00	Each	4.00	11988.00
86.0	Anti termite treatment	34.00	Sqm.	401.70	13657.80
112.0	S & F of Exsaust Fan 300 mm dia	2364.00	Each	27.00	63828.00
238.0	Anticorrosive treatment for steel	4865.50	MT	141.305	687519.48
4.1.1	Standardised concrete Mix M30 Grade Concrete				
	a. In Foundation and basement	8779.26	Cum	355.30	3119271.08
	b. In Ground Floor	8911.10	Cum	91.90	818930.09
	c. In First Floor	9170.81	Cum	86.10	789606.74
	d. In Second Floor	9430.52	Cum	86.10	811967.77
	e. In Third floor	9690.23	Cum	86.10	834328.80
	f. In fourth floor	9949.94	Cum	86.10	856689.83
	g.fifth floor	10209.65	Cum	86.10	879050.87
	h. In Sixth Floor	10469.36	Cum	39.30	411445.85

Sl. No.	Description	Rate using [C.S Sand]	Unit	Total Qty. (Buildg.+ Dev.)	
				Qty	Amount
	Supplying and filling stone dust	314.85	Cum.	526.80	165862.98
	Plastering with CM 1:3, 12mm with WPC	295.31	Sqm	807.20	238374.23
	Supplying and filling with gravel	431.85	Cum	496.20	214283.97
18.1	Formwork using M.S.Sheet				
	a.For Column footings,plinth beam,Grade beam,Raftbeam,Raft slab etc.,	923.99	Sqm	726.00	670816.74
	b.Plain surfaces such as Roof slab,floorslab,Beams,lintels,lofts,sill slab,staircase,portico slab and other similar	1027.42	Sqm	4153.00	4266875.26
	c.For Square and rectangular columns and small quantities	1232.90	Sqm	1221.60	1506110.64
	d.Vertical wall	1130.16	Sqm	82.00	92673.12
	e.Circular column	2465.80	Sqm		
	f.Curved surface	1541.13	Sqm	240.60	370795.88
	g.Double centering portico area	2054.84	Sqm		
21.6	R.C.C.Door frames of size 100 x 75mm with one edge grooves size 't' x 20 mm using M30 grade (with out vibrating charges)				
	a. 900 x 2100 mm	3007.39	Each	27.00	81199.53
	c. 1000 x 2100 mm	3030.69	Each	58.00	175780.02
22.3.2	MDF board (18mm thick) double leaf shutters with TW frame for cup board/ ward robes.	2232.84	Sqm	7.68	17148.21
	T.W. frame & TW styles & rails with BWR double leaf shutters for cup board/ ward robes including two coat enamel paint & one coat primer	4412.45	Sqm	524.20	2313006.29
	a. 1500X2100mm.(Double leaves) with Brass Screws only (DPO Ariyalur)	6704.19	Sqm	5.60	37543.46
21.5.2	Supply and Fixing Solid UPVC door Shutter with frame	3325.00	Sqm	80.40	267330.00
	Cuddappa slab 20 mm tk.for C/B slab.				
	a. Ground floor	572.84	Sqm.	23.10	13232.60
	b. In First floor	578.03	Sqm.	34.60	19999.84
	c. In Second floor	583.22	Sqm.	45.40	26478.19
	d. In Third floor	588.41	Sqm.	45.40	26713.81
	e. In Fourth floor	593.60	Sqm.	45.40	26949.44
	f. In Fifth Floor	598.79	Sqm.	45.40	27185.07
	Cuddappa slab 40 mm tk.for C/B slab.				
	a. In Ground floor	606.77	Sqm.	5.80	3519.27
	b. In First floor	617.16	Sqm.	8.70	5369.29
	c. In Second floor	627.55	Sqm.	11.40	7154.07
	d. In Third floor	637.94	Sqm.	11.40	7272.52
	e. In Fourth floor	648.33	Sqm.	11.40	7390.96
	f. In Fifth Floor	658.72	Sqm.	11.40	7509.41
29.8	Glazed tiles using Grout (Tile Joint Filler), C.M 1:2, 10mm tk	1464.06	Sqm	589.90	863648.99
29.9	Floor ceramic tiles (Anti-skid) using Grout (Tile Joint Filler).	1279.49	Sqm	294.80	377193.65
53.4	S&F of C.I Manhole cover 60 x 60 cm (50kg weight)	1864.00	Each	11.00	20504.00
	Wash Hand Basin of size 550 x 400 mm (White without Pedestal)	3495.67	Each	25.00	87391.75
58.3	PVC SWR pipe (Soil line) with ISI mark - type 'B'.				

Sl. No.	Description	Rate using [C.S Sand]	Unit	Total Qty. (Buildg.+ Dev.)	
				Qty	Amount
	a. 110 mm dia.	758.37	Rmt	225.60	171088.27
	b. 75 mm dia.	641.07	Rmt	243.00	155780.01
58.4	Supplying, Laying & Concealing the 50mm dia PVC (SWR) pipe with ISI mark type - 'B' with relevant specials.	115.30	Rmt	25.00	2882.50
	Run of 2 Wires of 4 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark confirming IS:	273.00	Rmt	1500.00	409500.00
77.5	Run of 2 Wires of 1.5 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark confirming IS:	215.00	Rmt	250.00	53750.00
	Run of 2 Wires of 2.5 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark confirming IS:	233.00	Rmt	3260.00	759580.00
	Run of 4 Wires of 10 sqmm PVC insulated single core multi strand	619.00	Rmt	420.00	259980.00
44.2	Rain water harvesting using defunct borewell and providing perforated cover				
	a). Providing pit (M30)	2227.87	Each	10.00	22278.70
	b) Augering 30cm dia	529.68	Rmt	30.00	15890.40
344.2	S&F of Bevelled edge mirror 500 x 400 x	398.30	Each	25.00	9957.50
383	S&F of Cuddapah sink 600 x 600 x 200mm	1020.00	Each	2.00	2040.00
238.1	Anticorrosive treatment for window grills	3067.00	MT	8.24	25272.08
	Providing two coats of Plastic Emulsion PAINT including primer for inner walls	248.97	Sqm	5502.60	1369982.32
	Providing two coats of Exterior Emulsion PAINT including primer for outer walls	250.52	Sqm	763.00	191146.76
	Supplying & fixing of Stainless steel Hand Rails for Staircase (PWD SR 22-23/p-50)	5536.00	Sqm	56.70	313891.20
	Providing wooden Melamine polish for new wood work	1540.84	Sqm	14.20	21879.93
	Supply and Laying of Granite tile of 10mm thk (wall Cladding) in C.M 1:2 Incl. Cost of Materials, Labours etc., all Including (Ruby	1842.06	Sqm	44.90	82708.49
	Vitrified Tiles (Ivory) 600 x 600 x 8mm Flooring in C.M 1:3	1322.93	Sqm	1092.10	1444771.85
s	Concrete designer tiles flooring	1552.86	Sqm	285.10	442720.39
	Supplying and fixing of 100mm dia GI pipe	987.90	Rmt	71.50	70634.85
	Supplying and fixing of Geyser (Data -SD 103)	7650.00	Each	20.00	153000.00
	Supplying and fixing of shower arm 9" long including cost of all materials and all labour charges etc. complete PWD SR-2022-23,P-48	1181.00	Each	25.00	29525.00
	Supplying and laying of 3.5 core 70 sq.mm PVC armoured LTUG cable (below GL) SD-	801.00	RMT	10.00	8010.00
	Supplying and laying of 3.5 core 120 sq.mm PVC armoured LTUG cable (below GL) SD-	1054.00	RMT	105.00	110670.00
	S&F 3.5 X 120 mm LTUG CABLE Above GL	954.00	RMT	10.00	9540.00
	Supplying and fixing of brass cable gland suitable for 3.5 core 120 Sqmm PVC armoured LTUG cable SD 189	621.00	Each	6.00	3726.00
	Supplying and fixing of end termination suitable for 3.5 core 120 Sqmm PVC	532.00	Each	6.00	3192.00

Sl. No.	Description	Rate using [C.S Sand]	Unit	Total Qty. (Buildg.+ Dev.)	
				Qty	Amount
	Supplying and fixing of CP Angle cock tap including cost of all materials and all labour charges etc complete	776.00	Each	10.00	7760.00
	Supply and fixing of Health faucet with bib cock approved quality with ISI mark	2060.00	Each	20.00	41200.00
	S&F TPN 4 way DB encloser CER No.178/2013-14	6588.00	Each	2.00	13176.00
	Supplying and fixing in position of UPVC Ventilator louvered ventilator type for all sizes	8106.00	Sqm	23.00	186438.00
	Supplying and fixing in position of UPVC window of casement type(open) for all sizes SR 2022-2023 p-65	7482.00	Sqm	316.40	2367304.80
	g). door size 1.000 m x 2.100 (Single Leaf)	3048.62	Sqm	104.50	318580.79
	i. door size 0.900 m x 2.100 (Single Leaf)	3117.52	Sqm	43.20	134676.86
	S & F of 15mm dia Engineering Polymer Tap (long body) for coastal area only	268.00	Each	41.00	10988.00
	S & F of 15mm dia Engineering Polymer Tap short body tap for coastal area only	257.00	Each	50.00	12850.00
	Providing Augering 30 cm dia for compound wall (Standardized concrete grade M30)	1054.31	Rmt	98.40	103744.10
	UPVC Non Pressure pipe of SN8 SDR 34 (S 16.5) as per IS 15328/2003				
	a. 110 mm UPVC Non Pressure pipe	500.16	Rmt	80.00	40012.80
	b. 160 mm UPVC Non Pressure pipe	824.38	Rmt	50.00	41219.00
	PVC Specials as per IS 10124/1982 Part II				
	a. 110 mm dia PVC bend (TWAD SR 21-22)	175.20	Each	2.00	350.40
	b. 160 mm dia PVC bend (TWAD SR 21-22)	560.20	Each	2.00	1120.40
	PVC Equal Tee as per BIS 7834/1975				
	a. 110 mm dia PVC Equal tee (TWAD SR 21-	197.50	Each	2.00	395.00
	b. 160 mm dia PVC Equal tee (TWAD SR 20-	371.80	Each	2.00	743.60
	S & F of Indian Water closet white glazed (Oriya type) of size 580 x 440mm with PVC SWR grade ' P' or "S' trap - in G.F.	3523.85	Each		
	S & F of Indian Water closet white glazed (Oriya type) of size 580 x 440mm with PVC SWR grade ' P' or "S' trap- Other than G.F.	5481.82	Each	5.00	27409.10
	S & F of E.W.C.(White) 500 mm with PVC SWR grade "P" or "S" TRAP	7516.55	Each	25.00	187913.75
	Wiring with 1.5 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark confirming IS: 694:1990.				
	a. Light point with ceiling rose	1679.10	Each	241.00	404663.10
	b. Light point without ceiling rose	1682.10	Each	122.00	205216.20
	c. Calling bell point with Buzzer/Calling bell	1713.10	Each	10.00	17131.00
	Wiring with 1.5 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark confirming IS: 694:1990 for Fan point.(PVC Electrical Box)	1734.10	Each	119.00	206357.90

Sl. No.	Description	Rate using [C.S Sand]	Unit	Total Qty. (Buildg.+ Dev.)	
				Qty	Amount
	Wiring with 1.5 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark confirming IS: 694:1990 for Staircase Light Point.(PVC Electrical	3162.20	Each	6.00	18973.20
67.1	Wiring with 1.5 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark confirming IS: 694:1990 for 5 amps 5 pin plug socket point @	864.50	Each	82.00	70889.00
	Wiring with 1.5 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark confirming IS: 694:1990 for 5 amps 5 pin plug socket point @ Convenient Places.(PVC Electrical Box)	1161.40	Each	122.00	141690.80
	Supplying and fixing of 15 Amps 3 pin flush type plug using (PVC Box , Fire Retarded	135.00	Each	54.00	7290.00
	Fabrication of Mild steel / RTS grills (without cement slurry) for all sizes of rods.(BINDING WIRE insulated with PVC)	92055.30	MT	141.305	13007874.17
	PVC SWR 110 mm dia with ISI mark type- A for Rain water down fall pipe(UPVC, SPECIAL CLAMP)	361.96	Rmt	254.00	91937.84
	Supply ,laying & jointing the following pipes as per ASTM D 1785 of schedule 40 with UPVC Specials				
	a. 32 mm dia	271.55	Rmt	128.80	34975.64
	b. 25 mm dia	253.25	Rmt	217.80	55157.85
	c. 20mm dia PVC water supply ASTM pipe (fully consealed in walls)	250.47	Rmt	307.70	77069.62
	Providing Colour Marble chips of size 10mm and below using 70.20Kgs of cement and 15 cum of Colour Marble chips for every 10 sqm over the existing plastered surface (For coastal area)	395.18	Sqm	1607.20	635133.30
	Supply and fixing of 20 Amps DP plug and socket in sheet enclosure with 32 A DP MCB in Flush with wall with earth connection (For AC Plug) Legrand (MDS) / Hager(L& T) Equivalent/ Superior variety	1858.00	Each	50.00	92900.00
	Supply and Laying Rubber Moulded Hyraulic Pressed Paver Block 83 mm thick including labour charges for laying etc (as per DP/1460/2018)	733.50	M ²	57.80	42396.30
	Supplying and fixing of 250 Watts Metal halide Flood light etc.,	8869.00	Each	1.00	8869.00
	Supply and fixing of 9 watts LED bulb (PWD SR-2022-23/p-115)	135.00	Each	122.00	16470.00
	Supply and fixing of 4' 18 watts LED Tube	705.00	Each	214.00	150870.00
	Supply and fixing of Bulk Head fitting suitable for 12W LED Bulb	530.00	Each	7.00	3710.00
	Supply, fiing of 25W LED street light etc.,	3459.00	Each	20.00	69180.00
	Supply and fixing of 12 watts LED bulb (qtn)	170.00	Each	7.00	1190.00

Sl. No.	Description	Rate using [C.S Sand]	Unit	Total Qty. (Buildg. + Dev.)	
				Qty	Amount
	Providing one coat of Wallputty for new plastered surface	103.16	Sqm	5285.10	545210.92
	Suply and erection of 125 Amps Capacity floor mounting panel board (Cubical type)	136800.00	Each	2.00	273600.00
	Supply and fixing of triple pole and neutral six way 7 segment 3 tier compartmental type MCB distribution board complete with the following and necessary neutral link, earth connector link etc. with bus bar and double door arrangements on surface / in flush with wall and making good of the concealed portion with earth connection. Incoming: 1 No. 63A 10 KA TPN MCB 3 Nos. 63A 10KA DP MCB and 63 A DP 30MA ELCB Outgoing: 18 Nos. 6A / 20A 10KA SP MCB-	17210.00	each	16.00	275360.00
	Numbering & lettering arrangements [CER.NO.530 / 2019-2020]				
	Supply and fixing of Aluminium TNPHC Emblem of 18" height	4200.00	Nos	1.00	4200.00
	Supply and Fixing of 12" Height Aluminium	840.00	Nos	23.00	19320.00
	Supply and fixing of 9" Height Aluminium	720.00	Nos	17.00	12240.00
	Supply and fixing of 20"x5" size plastic foam name plate	320.00	Nos	5.00	1600.00
	Supply and fixing of 24"x8" plastic foam name plate with vinyl cutting letter RWH Board	450.00	Nos	1.00	450.00
	Supply and delivery at site and fixing of SFRC manhole cover with frame with locking				
	a. 600mm x 600mm (SR 2022-23 P-72)	2701.00	Nos	10.00	27010.00
	Providing Rain Water Harvesting well ring circular shape of 90cm dia, 60cm depth, 50mm thick using m20 grade concrete including steel fabrication.	1524.64	No	10.00	15246.40
	b. 50mm Cover		No		
	Supplying and laying of Granite tiles Flooring 1:3, 10mm tk Ruby red	1031.54	Sqm	274.20	282848.27
	Supply and Fixing of PVC Trimes (beeding) P36/SOR-2022-2023	95.40	Rmt	183.60	17515.44
	Providing 13 Persons Passenger Lift Car Size (1300 x 1350)				
	Gearless Lift without Machine Room	1857100.00	No	1.00	1857100.00
	Wiring for lift well light point and socket outlet with 2 x 1.5 sqmm FRLS PVC insulated stranded copper conductor of 1100V grade along with 1 x 1.5 sqmm FRLS PVC insulated stranded copper conductor cable as earth wire on surface MS conduit including providing and fixing MS switch box, 2 Nos. 5A single way flush type switch for (controlling light point and socket Outlet), 1 No. 5A 5 Pin shuttered socket outlet with flush type switch and making necessary connections etc. as per	1643.00	each	15.00	24645.00

Sl. No.	Description	Rate using [C.S Sand]	Unit	Total Qty. (Buildg.+ Dev.)	
				Qty	Amount
	Suppling and erecting in position of following liters capacity industrial model Reverse osmosis water cum purifier a) 50 liters	40320.00	Nos	6.00	241920.00
	Manufactureing and supply of single steel cot with matresss deluxe of size 78' X36'X18' made out of 16 CR sheet with 1" dia EWR tube head,bow,horizontal and 5/8" dia EWR tube vertical of 18 G one coat of Red oxide and tow one coat of Green Enamel paint finish	8200.00	No	200.00	1640000.00
	Providing Borewell and Pump Set arrangements				
	Drilling of Borewell anywhere including transportation from one place to another place in alluvial soil or sedimentary starts mud circulation method 150 mm dia of clay and sand or sand stone shale pebbles boulders etc., by first taking a pilot bore of 165 dia (6 " to 8 ") by direct or reverse rotary mud and circulations method using contractors rig, fuel, labour driling betonite mud and water required for drilling at the site shown and as directed by departmental officers (Cal1x drills are e used)				
	a) Drilline of borewell in upto 60m page.No.279 TWAD SR 20-21	551.04	m	40.00	22041.60
	Drilling of 150mm dia vertical bores in hardrock formation to any required depth using " DTH Rig" as directed by the departmental officers including labour charges for inserting casing pipe assembly in the drilled hole including welding the joints if necesary grouting the casing pipe etc., and including transportation charges for the rig and supporting vehicles from one place to another including hire charges for rig fuel labour for drilling and water required for drilling at the site shown and as directed by the departmental				
	a) Drilline of borewell in upto 60m	450.00	m	180.00	81000.00
	Reaming from 150mm dia pilot bore to 300mm dia bore as directed by the departmental officer's up to 60m depth ending from ground	347.60	m	40.00	13904.00
	Supply and delivery of 150mm OD of PVC casing pipes (6kg/lcm ²) as per IS 12818 11992 of approved quality for borewells with average wall thickness of Klmm and inner/outer threaded ends in standard length of 3m including transporting charges to site of work and all other taxes etc., all complete as directed by the departmental ofhcers. (The	644.50	m	100.00	64450.00

Sl. No.	Description	Rate using [C.S Sand]	Unit	Total Qty. (Buildg.+ Dev.)	
				Qty	Amount
	Supply and delivery of 150mm OD ribbed screen pipes (6kg/cm ²) as per IS 12818 11992 of approved quality for borewells with average wall thickness of 8.0mm and inner/outer threaded ends in standard length of 1m to 8mm both in horizontal and vertical cutting including transporting charges to site of work and all other taxes etc., all complete as directed by the departmental officers. P22 -	1004.50	m	100.00	100450.00
	Labour Charges for inserting PVC casing pipes assembly (with slots or without slots) in the drilled hole including jointing the pipes with PVC Couplers with Cement paste etc., complete supply and packing the annular space with pebbles of size quality as approved by the department officials P304 -TWAD2022-				
	i) 150mm dia casing pipes assembly	369.60	Rmt	200.00	73920.00
	Supplying and fixing of 160mm dia PVC end cap for borewell of best approved quality with ISI mark confirming to IS specifications including cost of materials conveyance to site and labour charges for fixing in position etc. all	104.50	Nos	2.00	209.00
	Charges for developing the borewell for the entire depth with air compressor of 300cfm capacity [Minimum 8 hours] including transportation, labour and fuel charges for compressor and conducting yield tests by V-notch method etc., all complete as directed by the departmental officers. P309/TWAD2022-	1937.10	Hour	16.00	30993.60
	Supplying, laying, fixing and jointing the following UPVC pipes as per D- 1785 of schedule 40 of wall thickness not less than the specified in IS 4985 Suitable for plumbing by threading of wall thickness including the cost of suitable PVC/GI specials GM Specials like Elbow , tee reducers ,plug , union , bend, coupler, nipple/ GM gate value, check and wheel value etc. wherever required below Ground level including necessary earth work excavation, refilling the trenches to alignment and gradient cost of teflon tape and redoing the chipped of masonry etc. as directed by the departmental officers. (The pvc pipe should be got approved from the Executive				
	a) 50 mm dia UPVC pipes	274.68	rmt		
	b) 40 mm dia UPVC pipes	336.61	rmt	300.00	100983.00
	c) 32 mm dia UPVC pipes	199.01	rmt		

Sl. No.	Description	Rate using [C.S Sand]	Unit	Total Qty. (Buildg.+ Dev.)	
				Qty	Amount
	Supplying, laying, fixing and jointing the following UPVC pipes as per D- 1785 of schedule 40 of wall thickness not less than the specified in IS 4985 Suitable for plumbing by threading of wall thickness including the cost of suitable PVC/GI specials GM Specials like Elbow , tee reducers ,plug , union , bend, coupler, nipple/ GM gate value, check and wheel value etc. wherever required above Ground level including necessary earth work excavation, refilling the trenches to alignment and gradient cost of teflon tape and redoing the chipped of masonry etc. as directed by				
	b).40 mm dia UPVC pipes (above)	374.14	rmt	60.00	22448.40
	Supply and laying 40 MM Dia HDPE PIPES (PWD SR 2022-2023, Pg No. 104)	122.80	Rmt.	220.00	27016.00
	Supply and laying 32MM Dia HDPE PIPES (PWD SR 2022-2023, Pg No. 104)	86.80	Rmt.		
	Supplying of Nylon rope for Bore well	61.80	rmt	230.00	14214.00
	Supplying and delivery of following materials of best approved quality for erection of submersible pumpset etc.. all complete and as directed by the departmental officers.				
	e. M.S clamp set TWAD 40 mm	205.00	Nos	2.00	410.00
	Supply and Delivery of Submersible motor Pumpset with ISI mark IS 8034 without Panel Board of capacity 50 LPM X 100 m head	37380.00	each	2.00	74760.00
	Supply and Delivery of Three phase Openwell Submersible motor Pumpset 300LPM X 40m	37183.00	each	2.00	74366.00
	Labour charges for the erection of submersible pumpset in Borewell/open well including fixing and jointing submersible cable with proper clamps upto the starter to required depth and also fixing of riser pipes to the required depth valves erection clamps, pressure gauges upto the exterior wall of pump room and erection of panel board consisting of TPICN switches starter, Voltmeter, Ammeter, three pilot (indicating) lamps capacitor single phasing preventor, water level guard and laying and jointing the cables and twin earthing as per IE rules etc. complete and testing the pumpset	11056.10	each	4.00	44224.40
	Supply and delivery of 1.5 HPMS Fabricated DOL panel control board with ISI Mark for single phase wall moulded type Ammeter, voltmeter ON/OFF Switch etc. complete and as directed by the departmental officers. TWAD SR 2020-2021, item.11.3	7635.00	each	2.00	15270.00
	Supplying and delivery of MS fabricated DOL panel control board 4HP with ISI mark for three phase (TWAD SR 2019-2020)	15147.00	No	2.00	30294.00
	Supplying and laying 3 core 4 sqmm FLAT COPPER CABLE with ISI mark including cost of all materials specials etc. all complete.	194.00	rmt	300.00	58200.00

Sl. No.	Description	Rate using [C.S Sand]	Unit	Total Qty. (Buildg.+ Dev.)	
				Qty	Amount
	Supplying and fixing the following Specials.				
	a) 50mm non return valve (TWAD SR 2019-	2498.00	Nos	2.00	4996.00
	b. 50mm Gate valve (PWD SR 2020-2021)	1241.00	Nos	6.00	7446.00
	c. 50mm Union (PWD SR 2020-2021)	266.30	Nos	4.00	1065.20
	d. 50mm G.I. Pipe (PWD SR 2020-2021)	209.00	Rmt	12.00	2508.00
	e. 50mm G.I. Bend (PWD SR 2020-2021)	116.30	Nos	4.00	465.20
	f. 50 mm G.I. Coupling (PWD SR 2020-2021)	69.80	Nos	8.00	558.40
	Genset				
	Supply and erection of 125 Amps capacity floor mounting panel board (Cubical type) with bus bar chamber made up of 14/16 SWG MS sheet for 3 phase 4 wire system with 25mm x 6 mm tin coated copper flats for phases and 25 mm x 3 mm for neutral; cable chamber, switch chamber and with 2 Nos. 25mmx3mm tinned copper flat for the earth bus on the rear side of the panel board; necessary interconnections by copper flat of suitable sizes; suitable PVC colour sleeves for the interconnecting copper flats / rigid copper wire; earth connections to all swithces / bus bar by copper flats of suitable sizes from the earth bus; hylam sheet separation between bus bar and swithces; 1set LED pilot lamps with switches, fuse units, suitable angle iron frame size of 40mmx 40mmx 6mm with powder coated painting over one coat of red primer and with numbering; superscription of cables				
	Incomers 2 Nos. 125 A 4 pole 15 KA MCCB including spreader with necessary protective devices. Bus Bar:				
	Outgoing 1 No. 125 A 15 KA MCCB 1 No. 63 A TPN 15 KA MCCB	60580.00	No	1.00	60580.00
	Dummy provision - 1 No. DATA - J				
	Earthing as per the ISI specification with an earth electrode of 2.1 mtr class 'B' GI pipe of dia not less than 40mm, with copper earth plate of size 125mm x 50mm x 6mm with necessary funneling arrangements with necessary masonry work and with 40mm RCC cover / CI cover slab for the brick masonry -	2997.00	each	3.00	8991.00
	Plate earthing with copper plate of size 600 x 600 x 3 mm as per the ISI specification with an earth electrode of 2.1 mtr class 'B' GI pipe of dia not less than 40mm, with copper earth plate of size 125mm x 50mm x 6mm with necessary funneling arrangements with necessary masonry work and with 38mm RCC cover slab for the brick masonry. - Data L For computer earthing	11404.00	each	2.00	22808.00

Sl. No.	Description	Rate using [C.S Sand]	Unit	Total Qty. (Buildg.+ Dev.)	
				Qty	Amount
	Supply and run of 2 of No.8 copper wire for earth connections - Data M	159.00	Mts.	100.00	15900.00
	Providing and fixing 25mm x 3mm copper strip on surface or in recess for connections as required - Data N SD -76	469.00	each	40.00	18760.00
	Providing and fixing 25mm x 6mm copper strip on surface or in recess for connections as required for alternator neutral - Data H (SD -	882.00	m	30.00	26460.00
	Erection, Testing and commissioning of 62.5KVA Diesel generator set. PWD SR 2020-	671200.00	Each	1.00	671200.00
	Providing suitable foundation for accomodating the 125 KVA DG set.	60000.00	Job	1.00	60000.00
	Insulation for the residential silencer (supply of residential silencer to be included under item for DG Sets)	7000.00	Each	1.00	7000.00
	Supply and installation of M.S. cable adopter box (made of 14 SWG sheet steel) with suitable copper bus extension link from alternator. The adopter box shall have tinned copper bus bar of suitable size for phases and neutral with suitable holes for cable termination (1R x 3.5 core, 185 Sq.mm). Necessary rubber gaskets between alternator and cable box shall be provided to avoid	27646.00	No	1.00	27646.00
	Supply and installation of MS exhaust pipe of suitable thickness with 100mm dia upto 5m from the silencer complete with necessary supports, brackets etc. The supports shall have at intervals of not more	339.30	m	5.00	1696.50
	Supply and installation of MS exhaust pipe of suitable thickness with 125 mm dia complete with MS wall / ceiling support, etc.	2756.00	m	5.00	13780.00
	Supply and insulation of exhaust pipe thermal insulation lagging with mineral wool as per IS 3677 / 1973 reinforced with chicken mesh and cladded with aluminium sheet of 26 SWG and 50mm thick with 64 Kg/Cu. Mtr. Density.	197.00	m	12.00	2364.00
	Supply and installation of stainless steel rain hood / rain cap / bend at top of the exhaust pipe to prevent rain water entry to exhaust pipe with provision of drain plug in the system.	4245.00	Set	1.00	4245.00
	Preparation of necessary drawings for approval by Chief Electrical Inspector to Government / CEA, obtain approval for the same, arrange for the inspection by the Electrical Inspectorate / CEA Officials and obtain safety certificate from them for commissioning the DG set	30000.00	job	1.00	30000.00

Sl. No.	Description	Rate using [C.S Sand]	Unit	Total Qty. (Buildg.+ Dev.)	
				Qty	Amount
	Providing safety equipments: CO2 fire extinguisher : 1 No.; 9 ltrs capacity fire buckets: 3 Nos., & rubber mat : 1 No.	16750.00	Set	1.00	16750.00
	Supply and clamping of 4 core 2.5 sq. mm PVC sheathed and armoured copper cable from alternator to the proposed DG panel on wall / in the hume pipe with necessary glands and crimping at both ends. Data I	300.00	m	50.00	15000.00
	Supply and fixing of rubber round column guard of size 550mm height x 75mm (two corners each 75mm) x 10 mm thick on the existing R.C.C Columns corner surface in still area with reflective stickers, including cost of all materials, labour charges for fixing in position including necessary fixtures etc., all complete in all respect complying with relevant standard specifications and drawings and as directed by the departmental officers. (The material/brand should be got approved from	350.00	Nos	20.00	7000.00
	MOTOR DRIVEN MAIN PUMPSupply, erection, testing and commissioning of electric motor driven pump suitable for automatic operation rated for 2280 LPM at head of 88 M, high efficiency, volute type with cast iron casing,bronze impeller pump coupled to a squirrel cage induction motor of suitable HP, totally enclosed fan cooled. The operating voltage is 415 v 3 phase 50 Hz. The pumpset is of foot mounted type including all accessories such as standard coupling, coupling guard, common base plate, foundation bolts, anti vibration pads and	425000.00	Nos	1.00	425000.00

Sl. No.	Description	Rate using [C.S Sand]	Unit	Total Qty. (Buildg.+ Dev.)	
				Qty	Amount
	DIESEL ENGINE DRIVEN PUMP Supply, erection, testing and commissioning of main diesel engine driven pump of horizontal centrifugal type suitable for automatic operation rated for 2280 LPM at 88m head, volute type with cast iron casing bronze impeller. The pump shall be coupled to a suitable industrial diesel engine of suitable BHP. The engine shall be of continuously rated for the pump load. The engine shall be of direct injection four stroke six cylinder, water cooled. The pump accessories include extra fittings such as coupling, coupling guard, baseplate, foundation vibration damping arrangement, daily servicing tank with semi rotary pump, bolts etc. Accessories for engine include instrument panel with rpm indicator, AmMetre, oil pressure gauge, starter pressure switch and standard fuel tank, tool kit, battery system float switch indicator (UG sump). All inter connection cable from control panel to EP panel, starting battery leads including	665000.00	Nos	1.00	665000.00
	JOCKEY PUMP Supply, erection, testing and commissioning of mono block jockey pump rated for 180 LPM at 90 M head. The pump shall be of high efficiency volute type with cast iron casing, bronze impeller pump coupled to a squirrel cage induction motor of suitable HP. The operating voltage is 415V 3 phase 50 Hz. The pump set is foot mounted with all accessories such as standard coupling, coupling guard, base plate, foundation plate, antivibration pads and bolts etc. including connected civil works for bed size suiting the pump etc complete (pump Kirloskar) and	220000.00	Nos	1.00	220000.00
	BOOSTER PUMP Supply installation testing and commissioning of 900 Lpm Pump at terrace level approved and instructed by the engineer in charge operating voltage is 415 v 3 phase 50 Hz. The pump set is of foot mounted type including all accessories such as standard coupling, coupling guard, common base plate, foundation bolts, anti vibration pads and including connected civil works with required	85000.00	Nos	1.00	85000.00

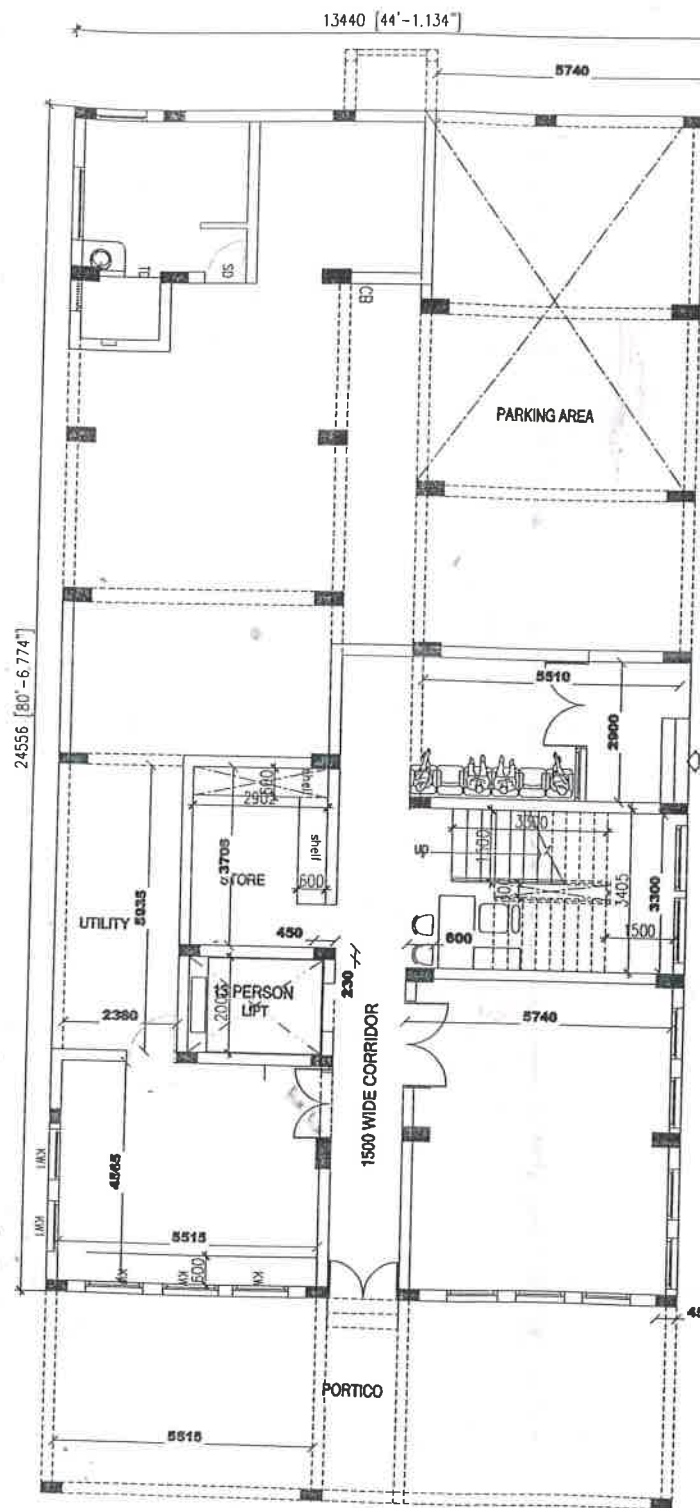
Sl. No.	Description	Rate using [C.S Sand]	Unit	Total Qty. (Buildg.+ Dev.)	
				Qty	Amount
	MOTOR CONTROL CENTRE supply, erection testing and commissioning of MV panel board made out of 16 SWG thick CRCA sheet steel duely rust inhibited, zinc pasivated, and painted with approved colour epoxy paint on a coat of zincromatic primer. Fully compartmentalised with hinged and earthed front doors, name plate, heavy duty rubber gaskets, removable gland plates made of 3mm thick sheet steel etc, including mounting the following switch gears for controls for Electric, Diesel & Jockey	325000.00	Nos	1.00	325000.00
	Booster pump panel supply, erection testing and commissioning of MV panel board made out of 16 SWG thick CRCA sheet steel duely rust inhibited, zinc pasivated, and painted with approved colour epoxy paint on a coat of zincromatic primer. Fully compartmentalised with hinged and earthed front doors, name plate, heavy duty rubber gaskets, removable gland plates made of 3mm thick sheet steel etc, including mounting the following switch	29850.00	Nos	1.00	29850.00
	A. 3C x 50 sqmm Aliminium (Main Pump Connection)	575.00	Rmt	24.00	13800.00
	b. 3C x 10 sqmm Aliminium (Jockey Pump Connection)	250.00	Rmt	82.00	20500.00
	C. 12C x 2.5 sqmm Copper (Diesel Pump)	625.00	Rmt	24.00	15000.00
	D. 2C x 1.5 sqmm Copper (Pressure Switch connection)	185.00	Rmt	36.00	6660.00
	E. Booster pump Connection pumproom to	250.00	Rmt	70.00	17500.00
	a. 25 x 3mm GI strips	245.00	Rmt	45.00	11025.00
	b. 8 SWG GI Wire	110.00	Rmt	70.00	7700.00
	CABLE TRAYS Supplying and fixing of perforated G.I. sheet (GI should be hot dip galvinised) cable tray with neccessary angle iron suspension supports, anchor fasteners etc. complete. Maximum height of suspension shall not exceed 500 mm. Size of the tray is 150mm x 50mm and 2mm thick.	328.20	Nos	10.00	3282.00
	CABLE TRAYS Supplying and fixing of perforated G.I. sheet (GI should be hot dip galvinised) cable tray with neccessary angle iron suspension supports, anchor fasteners etc. complete. Maximum height of suspension shall not exceed 500 mm. Size of the tray is 50mm x 50mm and 2mm thick.	375.00	Nos	6.00	2250.00
	EXHAUST PIPE Exhaust pipe for Diesel engine of 100 mm dia with mineral wool insulation, accoustic suppression with	4250.00	Rmt	6.00	25500.00
	a. 250mm dia MS "B" class pipe (Heavy)	4950.00	Rmt	9.00	44550.00
	b. 200mm dia MS "B" class pipe (Heavy)	3950.00	Rmt	12.00	47400.00

Sl. No.	Description	Rate using [C.S Sand]	Unit	Total Qty. (Buildg.+ Dev.)	
				Qty	Amount
	Supplying, laying, fitting and fixing , testing and commissioning of MS"B"class pipe (Heavy) pipe line confirming to IS 1239 including earth work excavation in all class of soil to the depth as per requirements of standard and refilling and compacting the trench.The pipes shall be anti corrosive wrapping treated. Wrapping material shall consist of three layers of high molecular high density polyethylene, three layers of polymerized bitumen and one layer of polyesters (total seven layers).Wrapping is applied over two coats of anti corrosive rubber modified bituminous primer of density 0.92 gm/cu cm and viscosity of 500 to 1000 cps applied at 150 gms per Sq MC. h. 150mm dia	3750.00	Rmt	25.00	93750.00
	150mm dia MS "B"class pipe (Heavy)(Above	3250.00	Rmt	144.00	468000.00
	D. 100mm dia MS "B"class pipe (Heavy)	2150.00	Rmt	180.00	387000.00
	E. 80mm dia MS "B"class pipe (Heavy)	407.00	Rmt	90.00	36630.00
	F.50mm dia MS "B"class pipe (Heavy)	995.00	Rmt	112.00	111440.00
	G. 25mm dia MS "B"class pipe (Heavy)	425.00	Rmt	132.00	56100.00
	a. 200 mm dia BUTTERFLY VALVE	19500.00	Nos	2.00	39000.00
	b. 150 mm dia BUTTERFLY VALVE	13500.00	Nos	4.00	54000.00
	C. 100 mm dia BUTTERFLY VALVE	8250.00	Nos	4.00	33000.00
	d. 80 mm dia BUTTERFLY VALVE	6900.00	Nos	8.00	55200.00
	e. 50 mm dia BUTTERFLY VALVE	4750.00	Nos	1.00	4750.00
	a.25 mm BALL VALVE	1800.00	Nos	30.00	54000.00
	b. 15mm BALL VALVE	1450.00	Nos	4.00	5800.00
	a. 200mm dia NON RETURN VALVE	27500.00	Nos	2.00	55000.00
	b. 100mm dia NON RETURN VALVE	16500.00	Nos	1.00	16500.00
	c. 80mm dia NON RETURN VALVE	9500.00	Nos	1.00	9500.00
	d. 50mm dia NON RETURN VALVE	5900.00	Nos	1.00	5900.00
	AIR VESSEL TANKSupply ,installation ,testing & Commissioning of air vessel made of mild steel of 200MM dia with automatic air release cock, 25mm dia drain valve and shut off. The vessel shall be 120cm. in height etc. complete as approved and directed by the engineer.	2250.00	Nos	3.00	6750.00
	AIR VESSEL TANKSupply ,installation ,testing & Commissioning of air vessel made of mild steel of 200MM dia with automatic air release cock, 25mm dia drain valve and shut off. The vessel shall be 120cm. in height etc. complete as approved and directed by the engineer.	18500.00	Nos	1.00	18500.00
	MS STRUCTURAL WORKSProviding and fixing M.S structural work fabricated from standard sections e.g. M.S. rounds, angles, channels, plates including cutting to size, welding, drilling with concrete drilling bits and fixing dash fasteners in RCC structural members as directed by Engineer-in-charge including cutting and making good the walls,	135.00	Kg	225.00	30375.00

Sl. No.	Description	Rate using [C.S Sand]	Unit	Total Qty. (Buildg.+ Dev.)	
				Qty	Amount
	PRESSURE SWITCHSupply, installation, testing pressure switch bellow type for the automatic operation,as approved and instructed by the engineer in charge.	6065.00	Nos	4.00	24260.00
	PRESSURE GAUGESupply installation testing and commissioning of pressure gauge oil type 4 inch dial as approved and instructed by the engineer in charge.	3616.00	Nos	5.00	18080.00
	a. 250mm Dia FOOT VALVE	65000.00	Nos	2.00	130000.00
	b. 80mm Dia 250 Dia FOOT VALVE	15165.00	Nos	1.00	15165.00
	PRIMING TANKSupply installation ,testing & commissioning of PVC 2 Layer black of capacity 1000 Lit with required accessories.	10498.00	Nos	1.00	10498.00
	HYDRANT VALVESupply installation ,testing and commissioning of Single/Double Headed Hydrant valve confirming to IS 5290 with ISI mark of 63mm dia oblique type with instantaneous hose coupling adaptor etc complete as required	11596.00	Nos	14.00	162344.00
	FIRE BRIGADESupplying ,installation of Gun-metal 4-way fire brigade inlet connection of 4 nos. 63mm .dia instantaneous type male coupling with built in check valves and 150mm dia flanged outlet complete with bolts, nuts and rubber insertions as per I.S:904. (to be connected to static tank). with required M.S.	9750.00	Nos	1.00	9750.00
	b.4way Inlet FIRE BRIGADE For 8 blocks stilt floor	15650.00	Nos	2.00	31300.00
	a. Hose cabinet of External type (Double Door & to accomodate Two hose and the Branch Pipe) stilt floor	6000.00	Nos	2.00	12000.00
	b. Hose cabinet of External type (Single Door & to accomodate One hose and the Branch Pipe) for 8 blocks (1 floor 1 No)	4950.00	Nos	16.00	79200.00
	Supply ,installation, testing and commissioning of Controlled Percolating (CP) Hose ISI marked (IS:8423) 63 mm dia x 15 m long complete with instantaneous type S.S. 63 mm dia, ISI marked Male & Female couplings (IS:903) bound and riveted to hose pipe with copper rivets and 1.5 mm copper wire. (For external & Internal hvdrants)	5250.00	Nos	20.00	105000.00
	FIRE HOSE REELSupply ,installation, testing and commissioning of Fire Hose Reel (as per ISI) wall mounted, swinging type18 SWG MS sheet, fitted with 20 mm dia x 30 M long, high pressure hose with 5 mm outlet nozzle with all necessary fixing materials complete.	15650.00	Nos	16.00	250400.00

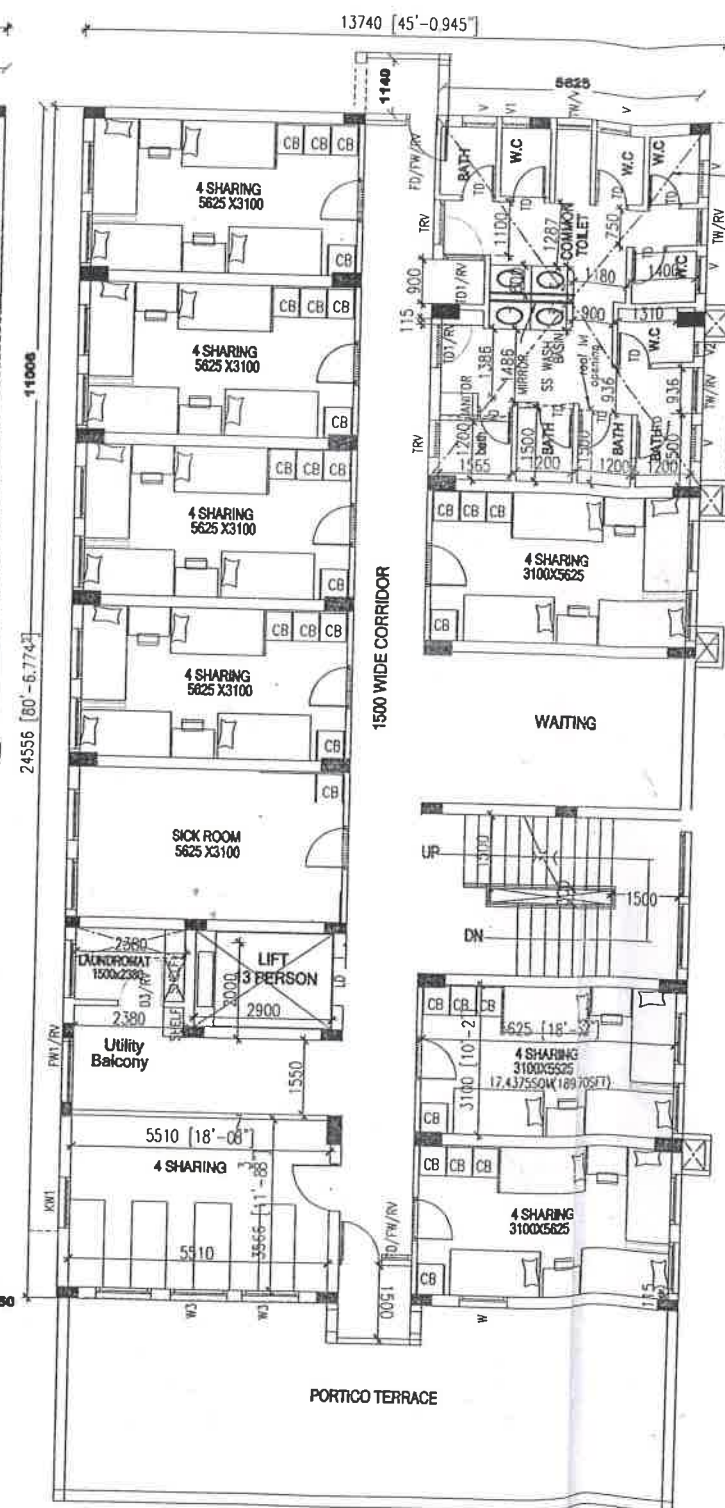
Sl. No.	Description	Rate using [C.S Sand]	Unit	Total Qty. (Buildg.+ Dev.)	
				Qty	Amount
	BRANCH PIPESupply ,installation ,testing and commissioning of short branch pipe with 63mm female instantaneous inlet made of gun metal, male threaded outlet, complete with hexagonal based nozzle heavy quality conforming IS 903 etc as approved and directed by the engineer.	3825.00	Nos	16.00	61200.00
	Supply installation testing & commissioning of 19mm nominal bore quartzoid bulb type sprinkler of Tyco/HD make, K factor 5.6, Crome Finish, suitable for operating at 68degree C. The fixing shall be done as per IS specification and as instructed by Engineer	523.90	Nos	40.00	20956.00
	DRY CHEMICAL POWDER TYPESupply and fixing of dry chemical powder type (ABC Type) of 6 Kg capacity, Pressurized with nitrogen, mfgd to IS:13849 with ISI mark fitted with pressure gauge, GM cap nozzle complete with initial charges and installation brackets and screws with ISI marks etc. complete as approved and instructed by the engineer in	5248.00	Nos	28.00	146944.00
	Supply and fixing Co2 type(2Kg) fire extinguisher new seamless cylinder with powder coated finish, made out of Manganese steel with initial fills, hose, wall brackets, nuts, bolts etc as complete with ISI mark confirming to IS: 2878 as approved and instructed by the engineer in charge	8748.00	Nos	4.00	34992.00
	Supply, Erection, Testing and Commissioning of 120 Watts Amplifier w/Power supply unit battery charger 16 Zone switcher control and Microphone with required rack.	4750.00	Nos	2.00	9500.00
	Supply, Erection, Testing and Commissioning of 6 Watt Box Speaker units.	2900.00	Nos	16.00	46400.00
	CABLESSupply and laying of 2c X 1sq.mm FRLS fixable Cable with 25mm pvc condit pipe including cost of materials and labour charegs in all etc	150.00	Rmt	190.00	28500.00
	ZONE PANELSupply installation testing and commissioning of conventional type C & I panel having capacity to connect zone panel with necessary indications, solid - state circuitary with visual front and alarm display.The panel should have facility to attach stand by power system using batteries with all necessary attachments as required and	27500.00	Nos	2.00	55000.00
	HOOTERSSupply installation, testing and commissioning of 12W,electronic hooters (sounders) with accessories for sounding the alarm when activated.	1807.00	Nos	16.00	28912.00

Sl. No.	Description	Rate using [C.S Sand]	Unit	Total Qty. (Buildg.+ Dev.)	
				Qty	Amount
	MANUAL CALL POINTSupply installation testing and commissioning of Manual Call points of break glass type with hammer and chain.	1864.00	Nos	4.00	7456.00
	Conventional Smoke DetectorSupply installation testing and commissioning of Manual Call points of break glass type with	2448.00	Nos	3.00	7344.00
	Supply and surface laying of FRLS PVC insulated 2 core 1.5 sq.mm. Armoured Copper Cable fore fire Alarm including Labour charges	116.50	rmt	176.00	20504.00
	Total				69410103.77



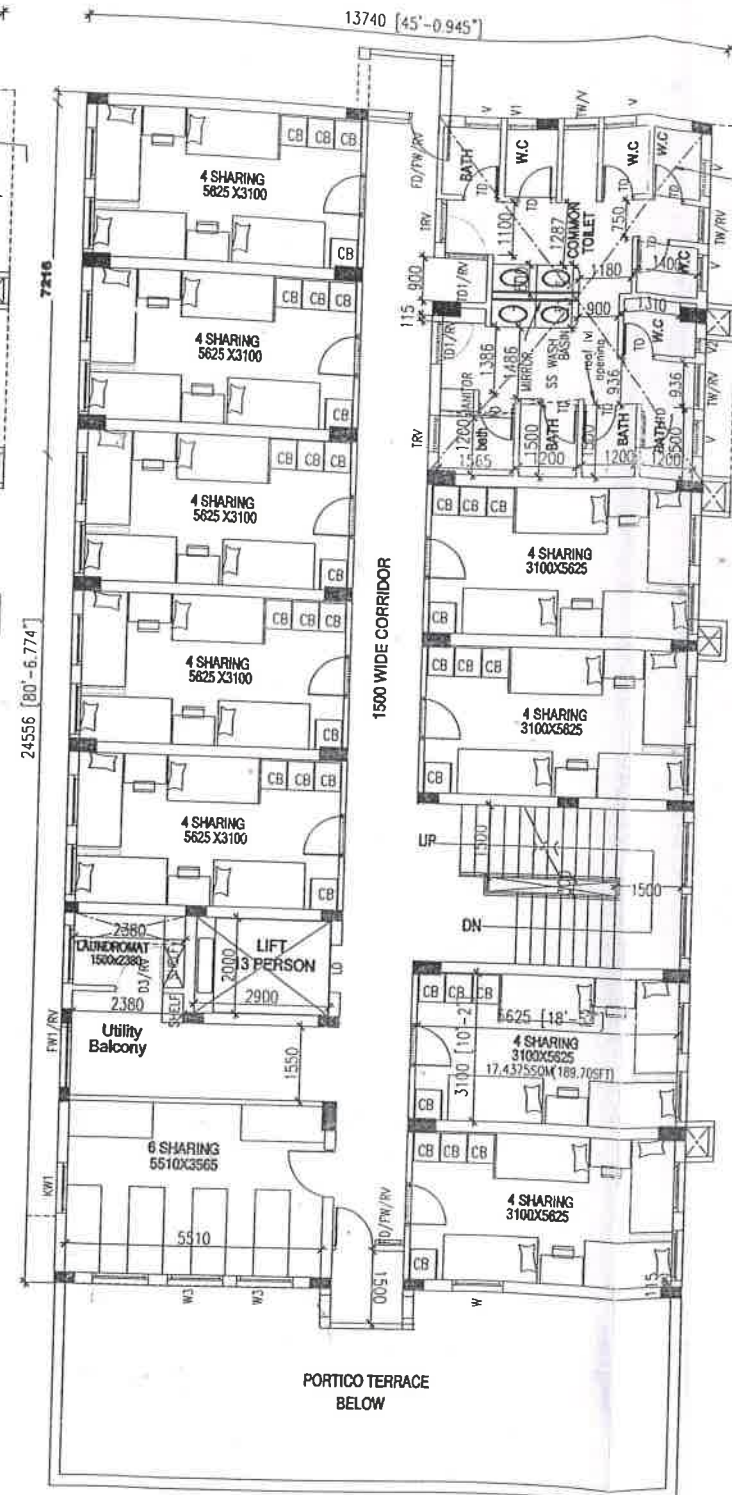
STILT FLOOR PLAN
FSI AREA 80.12 SQM(862 SFT)
TOTAL AREA 323.42 SQM(3481 SFT)

10/5/2023
A2 Cor 2



FIRST FLOOR PLAN
323.42 SQM(3481 SFT)
4 SHARING (8X4=32)
32 NOS

10/5/2023
PHC



TYPICAL SECOND FLOOR,
THIRD FLOOR, FOURTH FLOOR & FIFTH FLOOR PLAN
EACH FLOOR AREA = 323.42 SQM(3481 SFT)
EACH FLOOR 4 SHARING (9X4=36) + 6 SHARING (1X6=6) = 36+6=42 NOS
42 X 4 = 168 NOS

EXECUTIVE ENGINEER
CHENNAI DIVISION - II
T.N.P.H.C Ltd
Avadi, Chennai - 600054

TOTAL BEDS SUMMARY

STILT FLOOR	
KITCHEN DINING	
FIRST FLOOR	
FOUR SHARING Beds(11X2)	32 NOS
	32 NOS
SECOND FLOOR	
FOUR SHARING Beds(9X4)	36 NOS
6 BEDS DORM(1X6)	06 NOS
	42 NOS
THIRD FLOOR	
FOUR SHARING Beds(9X4)	36 NOS
6 BEDS DORM(1X6)	06 NOS
	42 NOS
FOURTH FLOOR	
FOUR SHARING Beds(9X4)	36 NOS
6 BEDS DORM(1X6)	06 NOS
	42 NOS
FIFTH FLOOR	
FOUR SHARING Beds(9X4)	36 NOS
6 BEDS DORM(1X6)	06 NOS
	42 NOS
Total Beds	200 NOS
Area/Bed	8.4861SQM (91.34 Sqft)

AREA STATEMENT

AREA DETAILS	FSI AREA SQ.M	TOTAL AREA SQ.M
AREA OF THE SITE AS PER PATT	839.50	9036
AVAILABLE FSI AREA 2	1679.00	18073
ACHIEVED FSI AREA 2.0217	1697.22	18268
NON FSI AREA STORE ELECTRICAL, SERVANT, ENTRANCE, STAIRCASE & LIFT (30.47 SQM+65.75 SQM)	96.17	1035
PARKING	147.12	1584
STILT FLOOR	24.3.29	2619
FSI AREA KITCHEN & DINING	80.12	863
FIRST FLOOR	323.42	3481
SECOND FLOOR	323.42	3481
THIRD FLOOR	323.42	3481
FOURTH FLOOR	323.42	3481
FIFTH FLOOR	323.42	3481
	1697.22	18268
HEAD ROOM&LIFT AREA(FULL AREA)	40.39	435
FRONT PORTICO (HALF AREA)	28.23	304
TOTAL AREA	2009.13	21626

CHINTADRI PET

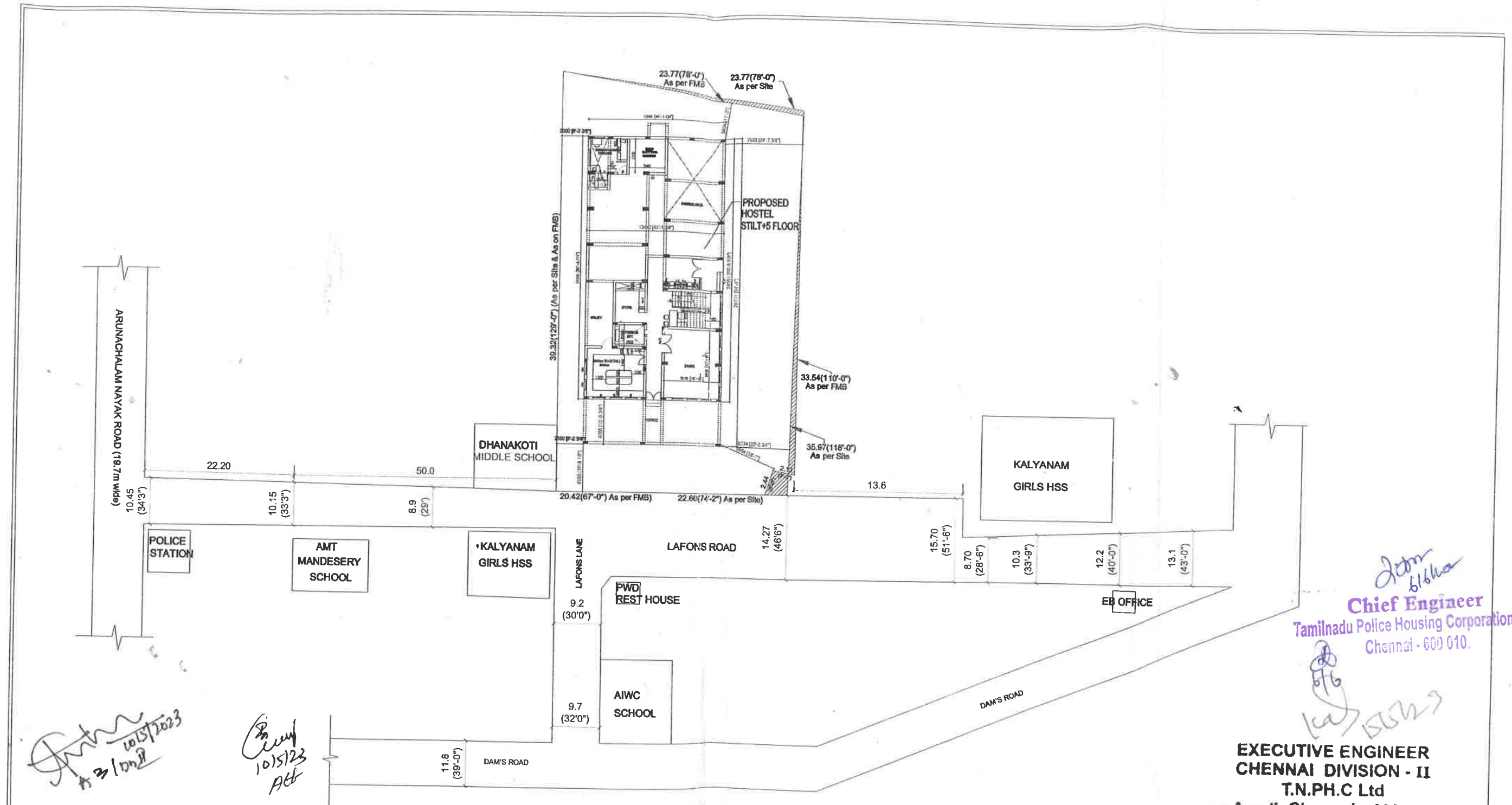
PROPOSED HOSTEL FOR WOMEN'S POLICE

Chief Engineer

Tamilnadu Police Housing Corporation Ltd.

SCHEMATIC DRAWING Chennai - 600 010

TAMILNADU POLICE HOUSING
CORPORATION LTD.
NO-132, E.V.R.SALAI,
KILPAUK, CHENNAI-600 010.



John 6/6/23
Chief Engineer
 Tamilnadu Police Housing Corporation Ltd.
 Chennai - 600 010.

10/5/23
EXECUTIVE ENGINEER
CHENNAI DIVISION - II
T.N.P.H.C Ltd
Avadi, Chennai - 600054

BLOCKS NO.	TYPE OF BUILDING	NO OF. BLOCKS	NO OF. QTRS.	NO OF. FLOORS	DRG. NO.	AREA SQM.	AREA STATEMENT IN sq.m	CHINTADRI PET	Asst. ARCHITECT	AEE (ARCH. SEC.)	Exe. ENGINEER (PLG)
①	HOSTEL	1		STILT+5		1697.22 (18268 SQFT)	SITE AREA (AS PER SITE) : 868.94 (9353 sq.ft) SITE AREA (AS PER FMB) : 868.22 (9345 sq.ft) SITE AREA (AS PER PLR) : 839.50 (9036 sq.ft) PROPOSED BUILD UP AREA : 1697.22 (18268 sq.ft) AVAILABLE F.S.I = 2 ACHIVED F.S.I = 2.0217 PLOT COVERAGE : 46%	PROPOSED WOMEN'S POLICE HOSTEL STILT +5 SURVEY No. : 472/1 BLOCK No. : 10 TOWN : CHINTADRI PET TALUK : MYLAPORE DISTRICT : CHENNAI			
TOTAL							PROPOSED <input type="checkbox"/> SITE <input type="checkbox"/> ROAD <input type="checkbox"/>				



1: 200
Scale

Drg. No.



TAMILNADU POLICE HOUSING CORPORATION LIMITED
 132, EVR SALAI, KILPAUK, CHENNAI - 600 010