

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/3553/2023

Dated:05.06.2023

To

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

Sir,

Sub: TNPHC– Construction of new building for Study Centre with Library and Gym for Police Personnel at MKN Road Alandur Police Quarters campus and Kondithope Police quarters in Chennai City - Feasibility report and detailed estimate proposal-Sent-Regarding.

Ref: 1. Budget Announcement 2023 – 2024 on 20.04.2023 & 21.04.2023.
2. The DGP's Lr.C.No.02939-4/ Bldg I (1)/2023, Dated:26.04.2023.

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With reference to the letter 1st cited, the Construction of new building for Study Centre with Library and Gym for Police Personnel at MKN Road Alandur Police Quarters campus and Kondithope Police quarters in Chennai City to a value of **Rs. 800.00 Lakhs** is comes under announcement of the Hon'ble Chief Minister of Tamil Nadu as announcement No.70.

2) Based on the Budget Announcement 2023-24, the DGP/HoPF has requested to furnish the detailed estimate proposal vide in the reference 2nd cited.

3) Accordingly, the detailed estimate for the Construction of new building for Study Centre with Library and Gym for Police Personnel at MKN Road Alandur Police Quarters campus and Kondithope Police quarters 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 Study Centre with Library and Gym for Police Personnel at MKN Road Alandur Police Quarters campus in Chennai City	400.00	<ul style="list-style-type: none"> ❖ The land is identified in T.S.No.157, 2 Ward E, Block No. 2, 3, Alandur Village, Tambaram Taluk in Kancheepuram District having an extent of 442.50 Sq.m ❖ The land comes under mixed Primary Residential Zone ❖ The site located at 8 Km away from the Sea Shore. Hence Coastal Area norms adopted. ❖ It is feasible to construct the new building for Study Centre with Library and Gym for Police Personnel at MKN Road Alandur Police Quarters campus in Chennai City
2.	Construction of new building for Study Centre with Library and Gym for Police Personnel at Kondithope Police quarters in Chennai City	400.00	<ul style="list-style-type: none"> ❖ The land is identified in R.S.No.3/1, Block No.1, V.O.C. Nagar Fort, Tondiarpet in Chennai City having an extent of 420.36 Sq.m ❖ The land belongs to PWD Department and the land to be transferred to Police Department ❖ The land comes under mixed Residential Zone

			<ul style="list-style-type: none"> ❖ The site located at 3 Km away from the Sea Shore. Hence Coastal Area norms adopted. ❖ It is feasible to construct the new building for Study Centre with Library and Gym for Police Personnel at Kondithope Police quarters in Chennai City
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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,


Chief Engineer

GENERAL ABSTRACT

1

Name of Work :Construction New Buildings for Study Center with Library and Gym for Police Personnel at MKN Road Alandur Police Quarters campus in Chennai City.

Sl.No.	Qty	Description	Rate	Unit	Amount
		BUILDING WORKS	AS PER PWD SR 2022-2023		
1	1.00	Main building	16143232.92		16143232.92
		SUB - TOTAL - I Rs.			16143232.92
		DEVELOPMENT WORKS			
2	1.00	RCC sump	421460.51		421460.51
3	1.00	DG Set 62.5KVA	761794.61		761794.61
4	1.00	Road,Compound wall & Plinth protection	1766324.60		1766324.60
5	1.00	Borewell arrangement	577985.24		577985.24
		SUB - TOTAL - II Rs.			19670797.88
6		Provision for Soil Investigation	LS		50000.00
7		Provision for Library rack arrangements	LS		3000000.00
8		Provision for Gym equipment's	LS		3500000.00
9		Provision for Study center Furniture's arrangements	LS		1350000.00
10		Provision for Elevation arrangements	LS		450000.00
11		Provision for R.O plant arrangements	LS		300000.00
12		Provision for CCTV camera & Network , Lan arrangements	LS		500000.00
13		Provision for Solar Panel arrangements	LS		500000.00
14		Provision for Aluminium Partition			200000.00
15		Provision for Geological Survey of borewell point	LS		11000.00
16		Provision for Landscape arrangements	LS		200000.00
17		Provision for Environmental Clearance	LS		400000.00
18		Provision for Total Station	LS		200000.00
19		Provision for Parking Shed	LS		300000.00

Sl.No.	Qty	Description	Rate	Unit	Amount
		SUB - TOTAL - IV Rs.			30631797.88
20		GST at 18.0% (GST at 9% + CGST 9%)			5513723.62
		SUB - TOTAL - V Rs.			36145521.50
20		Labour Welfare fund @ 1%	As pr PWD Norms		306317.98
21		Unforeseen, contingencies & PS charges @1 %	As pr PWD Norms		306317.98
22		Supervision Charges @ 5%	As pr PWD Norms		1531589.89
		SUB - TOTAL - VI Rs.			38289747.35
23		Advertisement charges	LS		150000.00
24		Provision for EB Deposits & EB service connection	LS		310000.00
25		Provision for Planning permission & payment to other department	LS		200000.00
26		Metro water & Sewer line connections	LS		950000.00
27		Structural Design / Consultancy charges	LS		100000.00
		GRAND TOTAL Rs.			40000000.00
Say. Rs.					40000000.00


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

**Name of Work :Construction New Buildings for Study Center with Library and Gym for Police Personnel
at MKN Road Alandur Police Quarters campus in Chennai City.**

Sl. No.	Qty	Description	Rate using [C.S Sand]	Unit	Amount
1.1	*	Earth work excavation in all soils (including refilling)			
	201.50	a. 0 to 2 mt.	260.80	Cum.	52551.20
1.5		Earth work excavation for Open foundation (excluding refilling)			
	54.90	a. 0 to 2 mt.	123.26	Cum.	6766.97
	8.30	b. 2 to 3 mt.	134.87	Cum.	1119.42
2.1	14.20	Filling C.S. sand	1685.99	Cum.	23941.06
3.1	73.60	C.C.1:5:10 for Foundation & Basement	4929.19	Cum.	362788.38
3.2	32.80	P.C.C. 1:2:4 for Foundation & Basement and other similar works	6481.36	Cum.	212588.61
6.2	35.60	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")	6891.02	Cum.	245320.31
7.2	16.70	Supply and fixing of Bituminous filler pad , 20 mm tk. for expansion joint	719.00	Sqm.	12007.30
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")			
	36.40	a. In Ground Floor/Stilt floor	6920.16	Cum.	251893.82
	34.20	b. In First Floor	7094.95	Cum.	242647.29
	34.40	c. In Second Floor	7269.74	Cum.	250079.06
	26.50	d. In Third Floor	7444.53	Cum.	197280.05
10.2	52.50	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.)	875.45	Sqm.	45961.13
	107.30	b. In Ground Floor/stilt floor	885.38	Sqm.	95001.27
	48.00	c. In First Floor	905.31	Sqm.	43454.88
	22.00	d. In Second Floor	925.24	Sqm.	20355.28
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.)			
	5.10	a. In Ground Floor	620.08	Sqm.	3162.41
	10.10	b. In First Floor	633.19	Sqm.	6395.22

Sl. No.	Qty	Description	Rate using [C.S Sand]	Unit	Amount
13.1	7.60	c. In Second Floor	646.30	Sqm.	4911.88
	63.10	Filling with Excavated Earth	42.85	Cum.	2703.84
	0.40	a. T.W. over 2 m & below 3 m	126659.00	Cum.	50663.60
	0.43	b. T.W. below 2 m length.	114459.00	Cum.	49217.37
23.2	8.20	Glass panels with Aluminium beedings	857.30	Sqm.	7029.86
23.3	8.00	S&F of Magnetic door catches	52.00	Each	416.00
25.0	66.00	M.S.Holdfast	9.60	Each	633.60
26.0	12.60	Flooring in C.C.1:5:10	4929.19	Cum.	62107.79
30.0	10.20	Ellispattern	478.33	Sqm.	4878.97
31.0	21.60	Weathering course	3923.89	Cum.	84756.02
32.1	171.30	Pressed tiles (23cmx23cmx20mm) mixed with Water proofing compound	1271.68	Sqm.	217838.78
33.0	2315.80	Plastering in C.M. 1:5, 12 mm tk.	271.02	Sqm.	627628.12
34.0	23.10	Plastering in C.M. 1:4, 12 mm tk.	277.10	Sqm.	6401.01
35.0	448.90	Spl. Ceiling plastering in C.M. 1:3, 10 mm tk.	311.52	Sqm.	139841.33
	194.90	a. 150 mm wide	87.70	Rmt	17092.73
	194.90	b. 75 mm wide	57.25	Rmt	11158.03
	97.50	c. 50 mm wide	42.66	Rmt	4159.35
37.1	448.90	White washing 3 coats (slaked)	49.68	Sqm.	22301.35
39.0	3579.70	M.s Grills	70.15	Kg.	251115.96
40.0	24.90	Painting - New "wood work"	248.88	Sqm.	6197.11
41.0	146.10	Painting - New "iron work"	147.11	Sqm.	21492.77
46.0	5.60	S & F 20 mm dia Alu. Hanger Rod	58.00	Rmt	324.80
47.0	6.00	S & F Alu Towel rail 75 cm long	95.00	Each	570.00
48.0	7.00	S & F 5 pin Coat stand	55.00	Each	385.00
49.0	15.00	S & F chromium plated 8 guage Picture Hook	1.50	Each	22.50
	64.20	Supplying and fixing of Precast slab 50mm thick made in C.C 1:3:6 using 20mm	5829.04	Sqm	374224.37
50.2	78.70	Providing precast Kerb stone in C.C. 1:3:6, 450 x 300 x 150 mm	267.71	Rmt	21068.78

Sl. No.	Qty	Description	Rate using [C.S Sand]	Unit	Amount
50.3	10.00	Supply and planting avenue trees	359.86	Each	3598.60
50.4	10.00	Providing Tree guard	927.75	Each	9277.50
50.5	1.00	Supplying. Fabricating and erection of M.S Scheme Name board	19965.19	Each	19965.19
52.1	15.00	G.I Pipe 20mm dia for Hot water line (Fully Concealed in walls)	330.58	Rmt	4958.70
53.3	5.00	PVC mould CI Steps for Sump SR-2023-2024	230.20	Each	1151.00
59.2	6.00	Gully Trap using chamber burnt bricks of size 23x11.4x7.5cm	2165.06	Each	12990.36
60.0	9.00	PVC Nahani trap (4way/2way)	160.00	Each	1440.00
72.0	30.00	Box type Fibre Fan hook	33.90	Each	1017.00
74.0	30.00	Charges for fixing of "Fan"	601.00	Each	18030.00
76.0	45.00	8 SWG wire	27.13	Rmt	1220.85
77.3	5.00	S&F of TV/Telephone line Socket	77.00	Each	385.00
77.4	148.00	S&F of 20mm dia PVC pipe for TV/Telephone line	90.78	Rmt	13435.44
78.0	6.00	Earthing Station IS3043 (Type I)	2997.00	Each	17982.00
86.0	144.60	Anti termite treatment	34.00	Sqm.	4916.40
238.0	25.07	Anticorrosive treatment for steel grills	4865.50	MT	121953.76
	65.70	a. In Foundation and basement	8712.68	Cum	572423.08
	36.80	b. In Ground Floor	8844.52	Cum	325478.34
	36.80	c. In First Floor	9104.23	Cum	335035.66
	36.80	d. In Second Floor	9363.94	Cum	344592.99
	16.50	e. In Third floor	9623.65	Cum	158790.23
	134.60	Supplying and filling stone dust	246.45	Cum.	33172.17
	50.10	Plastering with CM 1:3, 12mm with WPC	295.79	Sqm	14819.08
	195.00	a.For Column footings,plinth beam,Grade beam,Raftbeam,Raft slab etc.,	923.99	Sqm	180178.05
	875.60	b.Plain surfaces such as Roof slab,floorslab,Beams,lintels,lofts,sill slab,staircase,portico slab and other similar works	1027.42	Sqm	899608.95
	312.10	c.For Square and rectangular columns and small quantities	1232.90	Sqm	384788.09
	126.40	d.Vertical wall	1130.16	Sqm	142852.22

Sl. No.	Qty	Description	Rate using [C.S Sand]	Unit	Amount
	17.70	T.W. frame & TW styles & rails with BWR double leaf shutters for cup board/ ward robes including two coat enamel paint & one coat primer.	4406.70	Sqm	77998.59
		TW panelled single door shutter with brass fittings.			
	7.60	b.1200x2400mm	8071.36	Sqm	61342.34
21.5.2	9.50	Supply and Fixing Soild UPVC door Shutter with frame	3325.00	Sqm	31587.50
		Cuddappa slab 20 mm tk.for C/B slab.			
	5.80	a. Ground floor	572.84	Sqm.	3322.47
	11.60	b. In First floor	578.03	Sqm.	6705.15
	8.70	c. In Second floor	583.22	Sqm.	5074.01
		Cuddappa slab 40 mm tk.for C/B slab.			
	1.50	a. In Ground floor	606.77	Sqm.	910.16
	2.90	b. In First floor	617.16	Sqm.	1789.76
	2.20	c. In Second floor	627.55	Sqm.	1380.61
29.8	75.40	Glazed tiles using Grout (Tile Joint Filler), C.M 1:2, 10mm tk	1464.43	Sqm	110418.02
29.9	29.90	Floor ceramic tiles (Anti-skid) using Grout (Tile Joint Filler).	1280.21	Sqm	38278.28
44.6	67.40	PVC SWR 110 mm dia with ISI mark type- A for Rain water down fall pipe	357.54	Rmt	24098.20
52.4	48.30	20mm dia PVC water supply ASTM pipe (fully consealed in walls)	250.13	Rmt	12081.28
53.4	2.00	S&F of C.I Manhole cover 60 x 60 cm (50kg weight)	1864.00	Each	3728.00
	6.00	Wash Hand Basin of size 550 x 400 mm (White without Pedestal)	3495.67	Each	20974.02
	28.80	a. 110 mm dia.	758.37	Rmt	21841.06
	17.10	b. 75 mm dia.	641.07	Rmt	10962.30
58.4	7.80	Supplying, Laying & Concealing the 50mm dia PVC (SWR) pipe with ISI mark type - 'B' with relevant specials.	114.45	Rmt	892.71

Sl. No.	Qty	Description	Rate using [C.S Sand]	Unit	Amount
	30.00	Supply and delivery of 48" (1200 mm) Fan with ISI mark with Eletronic Dimmer	1552.70	Each	46581.00
	312.80	Run of 2 Wires of 4 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark confirming IS: 694:1990.	273.00	Rmt	85394.40
77.5	162.00	Run of 2 Wires of 1.5 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark confirming IS: 694:1990.	215.00	Rmt	34830.00
	890.70	Run of 2 Wires of 2.5 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark confirming IS: 694:1990.	233.00	Rmt	207533.10
	40.50	4 x 4 Sq mm copper PVC insulated unsheathed single core cable for 3 phase EB service connection	275.30	Rmt	11149.65
	71.30	Run of 4 Wires of 6 sqmm PVC insulated single core multi strand	501.00	Rmt	35721.30
112.1	9.00	S & F of Exsaust Fan 225mm dia	2177.25	Each	19595.25
44.2		Rain water harvesting using defunct borewell			
	12.00	a). Providing pit (M30)	2209.88	Each	26518.56
	8.40	b) Augering 30cm dia	522.55	Rmt	4389.42
344.2	6.00	S&F of Bevelled edge mirror 500 x 400 x 5.5mm	398.30	Each	2389.80
383.1	30.50	Providing single nosing to the edges of Granite slab at entrance steps [PWD SR-2022-23/p-36]	195.70	Rmt	5968.85
238.1	3.58	Anticorrosive treatment for window grills	3067.00	MT	10979.86
80.1	3.00	450 x 375 x 20 mm thick TW plank	1345.34	Each	4036.02
	3.00	3 Nos.of 32Amps - Fuse Unit	852.12	Each	2556.36
87.1	3.00	Supplying and delivery of Three phase ELCB/RCCB	3091.30	Each	9273.90
	1417.20	Providing two coats of Plastic Emulsion PAINT including primer for inner walls	248.97	Sqm	352840.28
	1161.90	Providing two coats of Plastic Emulsion PAINT including primer for Outer walls	250.52	Sqm	291079.19
	27.30	Supplying & fixing of Stainless steel Hand Rails for Staircase (PWD SR 22-23/p-50)	5536.00	Sqm	151132.80
	84.80	Granite Tile wall cladding using 10mmtk (Ruby red) tile in C.M 1:2, 10mm tk .	1842.43	Sqm	156238.06

Sl. No.	Qty	Description	Rate using [C.S Sand]	Unit	Amount
	41.40	Providing wooden Melamine polish for new wood work	1540.84	Sqm	63790.78
	95.70	Providing Shahabad stone flooring, C.M 1:3, 20mm tk	1576.73	sqm	150893.06
	195.30	Double layered Vitrified Tiles 800 x 800 x 10mm Flooring in C.M 1:3	2155.35	sqm	420939.86
	3.00	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	3543.00
	3.90	Supplying and fixing in position of UPVC Ventilator louvered ventilator type for all sizes PWD SR 2022-2023 p-66	8106.00	Sqm	31613.40
	77.60	Supplying and fixing in position of UPVC window of casement type(open) for all sizes SR 2022-2023 p-65	7482.00	Sqm	580603.20
		Supplying and fixing of solid core flush door shutter of thickness 35mm			
	4.20	h). door size 1.00 m x 2.400 (Single Leaf)	3006.62	Sqm	12627.80
	5.60	j. door size 0.900 m x 2.400 (Single Leaf)	3070.44	Sqm	17194.46
		S & F of Granite slab of size 4'x2', 18 to 20mm Thick For Step (Jet block) C.M 1:3, 20mm tk			
	31.90		2637.58	Sqm	84138.80
	46.90	Granite Slab flooring in cm1:3,20mm thk Satheleri Grey	2528.35	Sqm	118579.62
	6.00	S & F of 15mm dia Engineering Polymer Tap (long body) for coastal area only	268.00	Each	1608.00
	3.00	S & F of 15mm dia Engineering Polymer Tap short body tap for coastal area only	257.00	Each	771.00
	21.20	a. 110 mm UPVC Non Pressure pipe	500.16	Rmt	10603.39
	12.20	b. 160 mm UPVC Non Pressure pipe	824.38	Rmt	10057.44
	1.00	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.	3526.68	Each	3526.68
	1.00	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.	5490.32	Each	5490.32
	1.00	S & F of E.W.C.(White) 500 mm with PVC SWR grade "P" or "S" TRAP	7486.65	Each	7486.65
	61.00	a. Light point with ceiling rose	1679.10	Each	102425.10
	13.00	b. Light point without ceiling rose	1682.10	Each	21867.30
	1.00	c. Calling bell point with Buzzer/Calling bell	1713.10	Each	1713.10

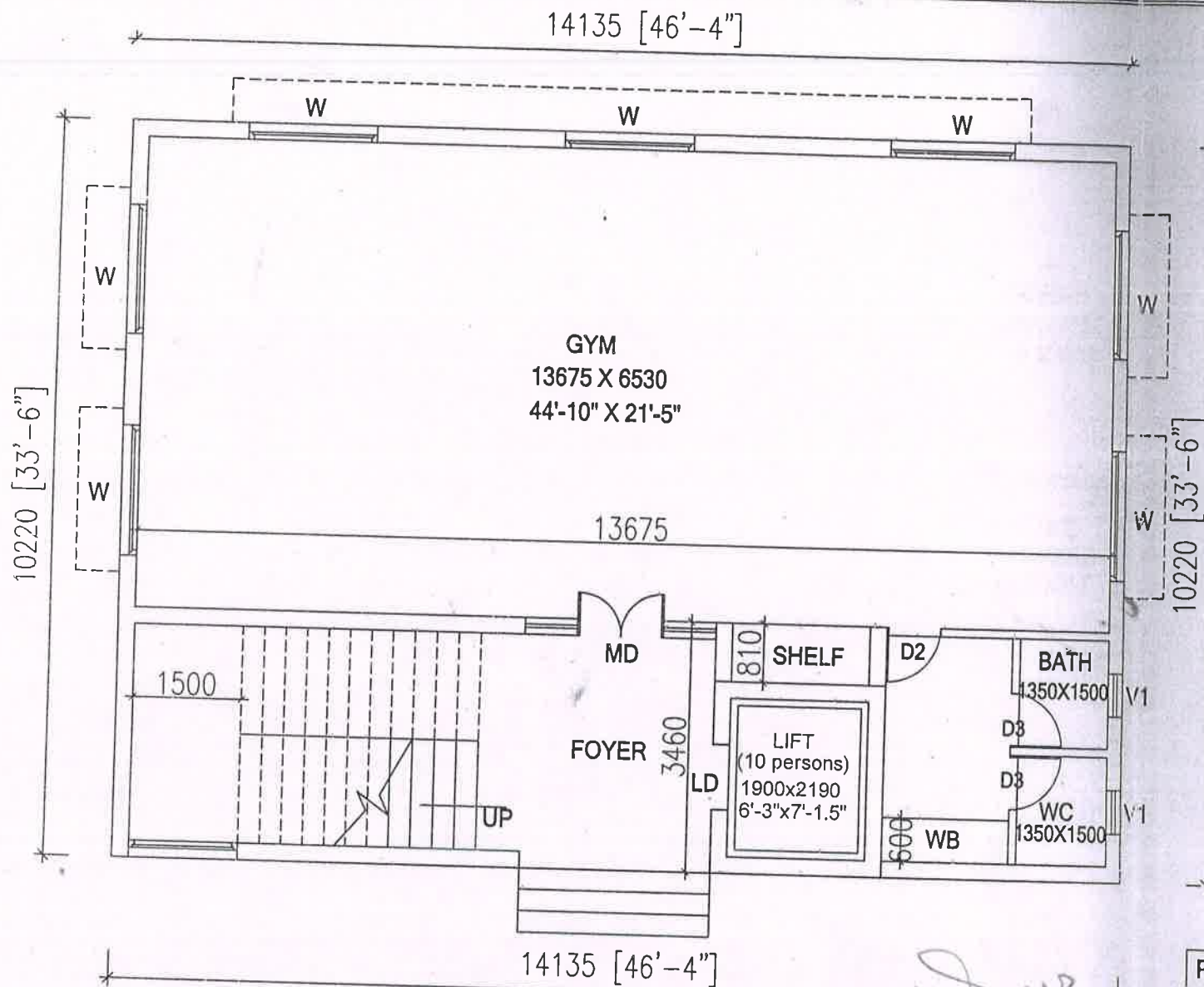
Sl. No.	Qty	Description	Rate using [C.S Sand]	Unit	Amount
	30.00	Wiring with 1.5 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark confirming IS: 694:1990 for Fan point.(PVC Electrical Box)	1734.10	Each	52023.00
	4.00	Wiring with 1.5 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark confirming IS: 694:1990 for Staircase Light Point.(PVC Electrical Box)	3162.20	Each	12648.80
67.1	13.00	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 @ Switch Board Itself.	864.50	Each	11238.50
	40.00	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	46456.00
	35.00	Supplying and fixing of 15 Amps 3 pin flush type plug using (PVC Box , Fire Retarded Box)	135.00	Each	4725.00
	25.07	Fabrication of Mild steel / RTS grills (without cement slurry) for all sizes of rods.(BINDING WIRE insulated with PVC)	92055.30	MT	2307366.09
		Supply ,laying & jointing the following pipes as per ASTM D 1785 of schedule 40 with PVC Specials			
	48.10	a. 32 mm dia	270.95	Rmt	13032.70
	11.20	b. 25 mm dia	252.93	Rmt	2832.82
	19.00	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 Ele SD -140 /2021-2022	1839.00	Each	34941.00
	24.60	Supply and Laying Rubber Moulded Hydraulic Pressed Paver Block 63 mm thick including labour charges for laying etc (as per DB/1469/2018)	640.50	M ²	15756.30
	4.00	Supplying and fixing of 250 Watts Metal halide Flood light etc.,	8869.00	Each	35476.00
	13.00	Supply and fixing of 9 watts LED bulb (PWD SR-2022-23/p-115)	135.00	Each	1755.00
	39.00	Supply and fixing of 4' 18 watts LED Tube Light	704.20	Each	27463.80
	6.00	Supply and fixing of Bulk Head fitting suitable for 12W LED Bulb	530.00	Each	3180.00
	5.00	Supply, fiing of 25W LED street light etc.,	3459.00	Each	17295.00
	6.00	Supply and fixing of 12 watts LED bulb (qtn)	170.00	Each	1020.00

Sl. No.	Qty	Description	Rate using [C.S Sand]	Unit	Amount
	72.00	Supplying and laying of 3.5 core 95 sq.mm PVC armoured LTUG cable (below GL) SD-209	919.00	RMT	66168.00
	31.00	Supplying and laying of 3.5 core 95 sq.mm PVC armoured LTUG cable (Above. GL) SD-227	774.00	RMT	23994.00
	4.00	Supplying and fixing of brass cable gland suitable for 3.5 core 95 Sqmm PVC armoured LTUG cable SD 191	570.00	Each	2280.00
	4.00	Supplying and fixing of end termination suitable for 3.5 core 95 Sqmm PVC armoured LTUG cable SD 240	497.00	Each	1988.00
	3.00	Supplying and fixing of CP Angle valve Stop cock including cost of all materials and all labour charges etc complete	776.00	Each	2328.00
	1.00	Supply and Bib cock with health facet including cost of labour charge and etc.,	2020.00	each	2020.00
	3.00	Supply and fixing of 4 way triple pole and neutral MCB sheet steel enclosure with bus and with 1no. 100A/63A 4 pole isolator (MCB type) as incoming and 12 nos. 6-20A SP MCB as outgoing in flush with wall and making good of the concealed portion with earth connection etc all complete as per relevant standard specification and as directed by the departmental officers.	16350.39	Each	49051.17
	1.00	Supply and fixing of Aluminium TNPHC Emblem of 18" height	4200.00	Nos	4200.00
	32.00	Supply and Fixing of 12" Height Aluminium letter s	840.00	Nos	26880.00
	20.00	Supply and fixing of 9" Height Aluminium letters	720.00	Nos	14400.00
	11.00	Supply and fixing of 20"x5" size plastic foam name plate	320.00	Nos	3520.00
	1.00	Supply and fixing of 24"x8" plastic foam name plate with vinyl cutting letter RWH Board	450.00	Nos	450.00
	1.00	Supply and fixing of Carbon-di-Oxide Gas Type 2 kg.capacity Fire Extinguisher as per New IS15683,complete with control valve, discharge hose with horn	8748.00	Nos	8748.00
	3.00	Supply and fixing of stored pressure ABC (Mono Ammonium Phospate) Powder Type Fire Extinguisher of 6 kg. capacity a	5248.00	Nos	15744.00
	7.00	a. 600mm x 600mm (SR 2022-23 P-72)	2701.00	Nos	18907.00
	5.00	b. 300mm x 300mm	990.00	Nos	4950.00

Sl. No.	Qty	Description	Rate using [C.S Sand]	Unit	Amount
	6.00	Providing Rain Water Harvesting well ring circular shape of 90cm dia, 60cm depth, 50mm thick using m20 grade concrete including steel fabrication. A.Ring	1466.61	No	8799.66
	3.00	Providing Rain Water Harvesting well ring circular shape of 90cm dia, 60cm depth, 50mm thick using m20 grade concrete including steel fabrication.	776.44	No	2329.32
	25.20	Supply and Fixing of PVC Trimes (beeding) P36/SOR-2022-2023	95.40	Rmt	2404.08
	271.40	206.4.1) Providing 8mm thick Calcium Silicate Board Designed and Perforated for False Ceiling	1545.00	Sqm	419313.00
	162.40	Providing Cornice Work for Gyp Board False Ceiling	190.40	Rmt	30920.96
	1417.20	450.8.1) Wallputty (one coat)	103.16	Sqm	146198.35
	3.00	450.9.1) Supplying and fixing of CP wall mixer three in one with hand shower P53-SR-2023-2024	4146.00	No	12438.00
	73.60	180.1.1) Supplying and fixing of 25x 3mm Copper flat SD	467.00	Rmt	34371.20
	1.00	912) Supplying and laying of 1000 x1000 x300mm size MS 16 swg powder coated cable terminal box	47538.44	Each	47538.44
	1.00	Supplying and fixing of 125A panel size 4.6' x 6.5' x 2' MS 16 swg powder coated cable terminal box	50148.54	Each	50148.54
	1.00	958.3.1) Supply, erection and commissioning at site 10 persons capacity 680 Kg passenger lift Gearless Lift without Machine Room.	1671900.00	Each	1671900.00
	1.00	a. 2nd year	83595.00	Job	83595.00
	1.00	c. 3rd year	87774.75	Job	87774.75
	1.00	d. 4th year	92163.49	Job	92163.49
	1.00	e. 5th year	96771.66	Job	96771.66
	4.00	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 specification.	1491.00	Each	5964.00
	1.00	Providing suitable foundation for accomodating the 62.5 KVA DG set. With standared panel	671200.00	Each	671200.00
	3.00	Insulation for the residential silencer (supply of residential silencer to be included under item for DG Sets)	2215.00	Rmt	6645.00
	1.00	a. 1.5 TR Split Type AC unit	44160.00	No	44160.00
	18.00	b..2 TR Split Type AC unit	56370.00	No	1014660.00
	1.00	Supply and Installation of 4 KVA CcapacityAutomatic Voltage stablizer with time delay relay (V- Guard/ Equivalent)	4441.00	No	4441.00
	18.00	Supply and Installation of 5 KVA CcapacityAutomatic Voltage stablizer with time delay relay (V- Guard/ Equivalent)	4940.00	No	88920.00

Sl. No.	Qty	Description	Rate using [C.S Sand]	Unit	Amount
	25.00	Supply and laying of 5/8" and 3/8" copper pipe (Extra beyond 3 metres supplied with AC unit)	940.00	Rmt	23500.00
	93.60	Supply and fixing of AC drain pipe	64.10	Rmt	5999.76
	9.50	Supply and fixing of AC outdoor clampset	1088.00	No	10336.00
	19.00	Refilling Airconditionr gas topup	571.80	No	10864.20
	84.90	supply and fixing of Vertical blinds	1383.00	Sqm	117416.70
	30.00	SUPPLY AND FIXING OF LED 4000K 2'X2' SQUARE TYPE RECESSED FITTING	3864.00	No	115920.00
	3.00	Supply and fixing of Automatic Electrical Water Heater with copper container, with Glass Wool / Puf Insulation with MS powder coated shelln suitable for 25 Litres capacity 230V / 1000W (Higher End)	8256.00	No	24768.00
	90.90	Supply and laying of Rubber Matt Flooring (1000 x1000mm size) arrangemets including labercharge	980.00	Sqm	89082.00
	76.00	a) Drilline of borewell in upto 76m page.No.279 TWAD SR 20-21	551.04	m	41879.04
	15.00	b)76 to 91m	688.80	m	10332.00
	16.00	c)91 to 107m	826.56	m	13224.96
	15.00	d)107 to 122m	964.32	m	14464.80
		Drilling of 150mm dia vertical bores in hardrock formation to any required depth using " DTH Rig" as			
	28.00	e)122 to 150m	1102.03	m	30856.84
	30.00	Reaming from 150mm dia pilot bore to 300mm dia bore as directed by the departmental officer's up to 60m depth ending from ground level.	347.60	m	10428.00
	75.00	Supply and delivery of 150mm OD of PVC casing pipes (6kg/cm ²) as per IS 12818 11992 of approved quality for borewells with average wall thickness of 8mm 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 officers. (The PVC casing pipe should be got approved.P22 - TWAD2022-2023	644.50	m	48337.50
	75.00	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	1004.50	m	75337.50
	150.00	i) 150mm dia casing pipes assembly	312.40	Rmt	46860.00
	1.00	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 complete.	104.50	Nos	104.50

Sl. No.	Qty	Description	Rate using [C.S Sand]	Unit	Amount
	8.00	Charges for developing the borewell for the entire depth with air compressor of 300cfm capacity [Minimum 8 hours] including transportation, labour and fuel harges for compressor and conducting yield tests by V-notch method etc., all complete as directed by the departmental officers. P309/TWAD2022-23	1937.10	Hour	15496.80
	145.00	Supply and laying 32MM Dia Column pipe PIPES for bore well (TWAD SR 2022-2023, Pg No. 24)	130.10	Rmt.	18864.50
	175.00	Supplying of Nylon rope for Bore well	61.80	rmt	10815.00
	3.00	a. 32mm Gate valve P48/2022-23	760.00	Nos	2280.00
	2.00	b. 50mm Gate valve	1241.00	Nos	2482.00
	1.00	c. 32mm Union	127.50	Nos	127.50
	2.00	d. 50mm Union	266.30	Nos	532.60
	1.00	e. M.S clamp set TWAD 40 mm	205.00	Nos	205.00
	1.00	Supply and Delivery of Submersible motor Pumpset with ISI mark IS 8034 without Panel Board of capacity 20LPM X 125m head	34926.00	each	34926.00
	2.00	Supply and Delivery of Three phase Openwell Submersible motor Pumpset 300LPM X 40m	37183.00	each	74366.00
	3.00	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 and trail run for 10 days.	11056.10	each	33168.30
	1.00	Supplying and fixing of Single Phase Panel board , D.O.L with two level guard and auto start including all materials and labour charges etc., all complete and as directed by the departmental officers. (The quality and brand should be got approved from the EE before use) Unto 5 HP	5641.00	each	5641.00
	2.00	Supplying and delivery of MS fabricated DOL panel control board 4HP with ISI mark for three phase (TWAD SR 2019-2020)	15147.00	No	30294.00
	198.00	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	38412.00
	74.10	a. 32mm dia UPVC pipes (below Ground level)	246.38	Rmt	18256.76
	36.00	b. 50mm dia UPVC pipes (below Ground level)	337.32	Rmt	12143.52
		Total			19670797.88



W	- 1800 x 1350
W1	- 1500 x 1350
SW	- 1500 x 1350
O	- 2650 x 2100
MD	- 1200 x 2100
D1	- 1000 x 2100
D2	- 900 x 2100
D3	- 750 x 2100
V	- 900 x 600
V1	- 600 x 600
FW	- 900 x 1800

AREA STATEMENT	
	SQM
GROUND FLOOR	- 140.12
FIRST FLOOR	- 140.12
SECOND FLOOR	- 140.12
TOTAL	- 420.36 OR 4525 sq.ft.

**PROPOSED CONSTRUCTION OF
GYM, LIBRARY AND STUDY CENTER**

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

GROUND FLOOR PLAN

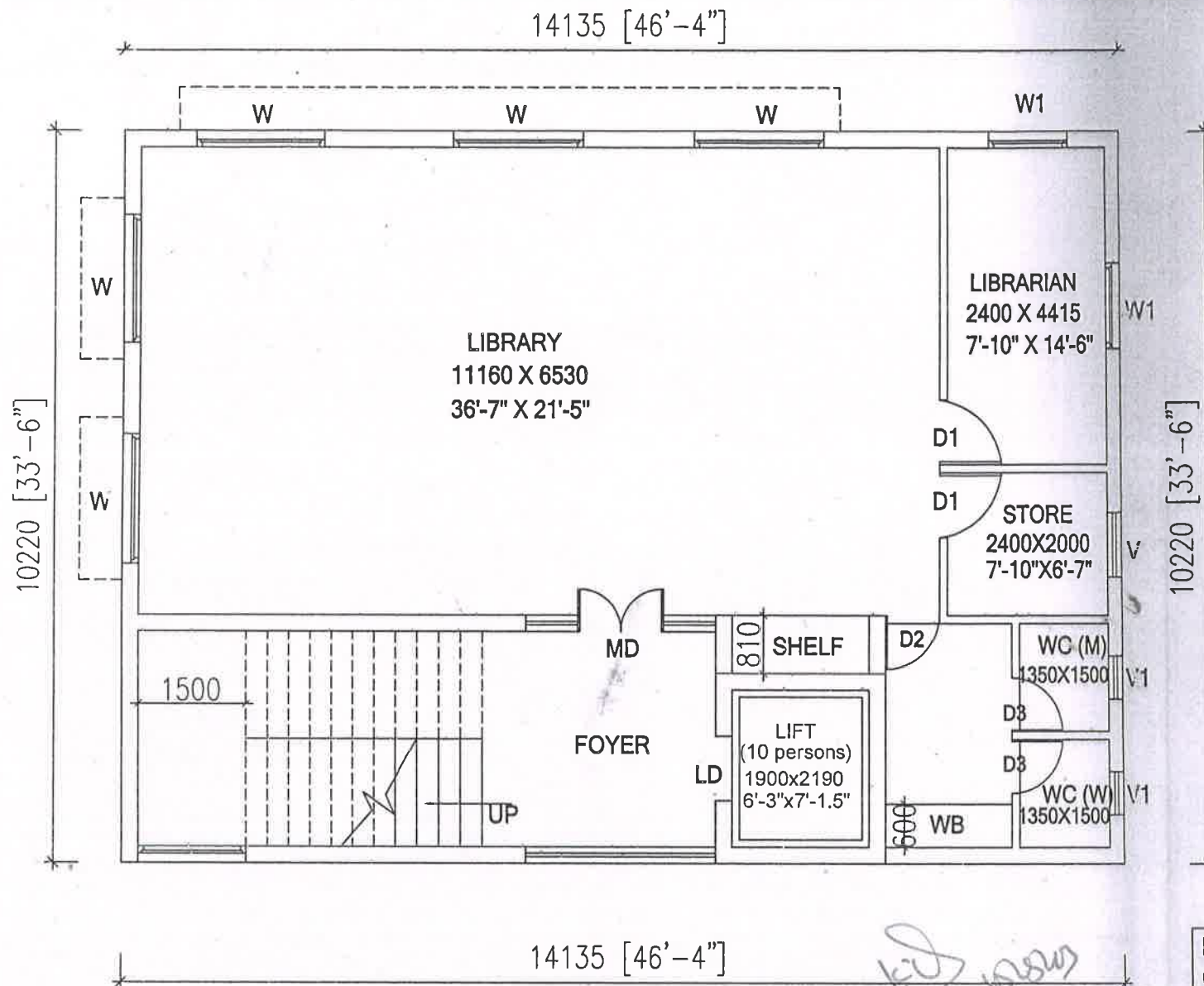
Chief Engineer
Tamilnadu Police Housing Corporation Ltd.
Chennai - 600 010.

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

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W	-	1800 x 1350
W1	-	1500 x 1350
SW	-	1500 x 1350
O	-	2650 x 2100
MD	-	1200 x 2100
D1	-	1000 x 2100
D2	-	900 x 2100
D3	-	750 x 2100
V	-	900 x 600
V1	-	600 x 600
FW	-	900 x 1800

AREA STATEMENT

	SQM
GROUND FLOOR	- 140.12
FIRST FLOOR	- 140.12
SECOND FLOOR	- 140.12
TOTAL	- 420.36 OR 4525 sq.ft.

PROPOSED CONSTRUCTION OF GYM, LIBRARY AND STUDY CENTER



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

FIRST FLOOR PLAN

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

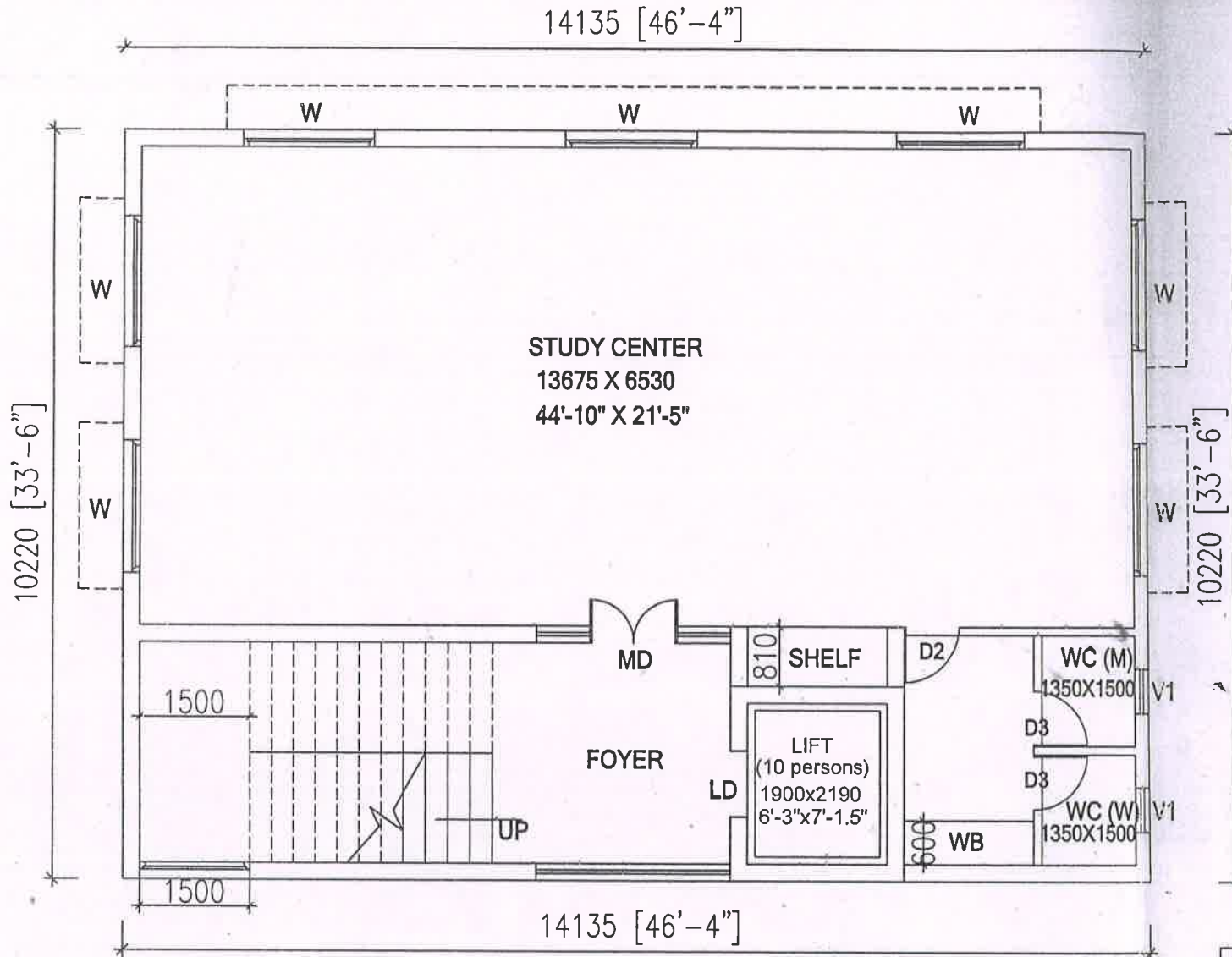
Chief Engineer

Tamilnadu Police Housing Corporation Ltd
Chennai - 600 010.

13/5/23

FE/3/10

15/05/23



W	- 1800 x 1350
W1	- 1500 x 1350
SW	- 1500 x 1350
O	- 2650 x 2100
MD	- 1200 x 2100
D1	- 1000 x 2100
D2	- 900 x 2100
D3	- 750 x 2100
V	- 900 x 600
V1	- 600 x 600
FW	- 900 x 1800

AREA STATEMENT

	SQM
GROUND FLOOR	- 140.12
FIRST FLOOR	- 140.12
SECOND FLOOR	- 140.12
TOTAL	- 420.36 OR 4525 sq.ft.

SECOND FLOOR PLAN

EXECUTIVE ENGINEER
CHENNAI DIVISION - II
T.N.P.H.C Ltd

Tamilnadu Police Housing Corporation Ltd.
Chennai - 600 010



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

Tamil Nadu Police Housing Corporation Limited

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GENERAL ABSTRACT**Name of Work : Construction of New Building for GYM, Study room& Library Arrangements for Kondithope Police Quarters personnels in Chennai City**

Sl.No.	Qty	Description	Rate	Unit	Amount
		BUILDING WORKS	AS PER PWD SR 2023-2024		
1	1.00	Main building	16899273.08		16899273.08
		SUB - TOTAL - I Rs.			16899273.08
		DEVELOPMENT WORKS			
2		RCC sump (2 Nos)	649056.36		649056.36
3		DG Set 62.5KVA	802019.62		802019.62
4		Plinth Production & Sullage Drain	254755.44		254755.44
5		Borewell arrangement	474507.70		474507.70
		SUB - TOTAL - II Rs.			19079612.20
6		Provision for Soil Investigation	LS		50000.00
7		Provision for Library rack arrangements	LS		3065000.00
8		Provision for Gym equipment's	LS		3500000.00
9		Provision for Study center Furniture's arrangements	LS		1350000.00
10		Provision for Elevation arrangements	LS		500000.00
11		Provision for R.O plant arrangements	LS		800000.00
12		Provision for CCTV camara & Network , Lan arrangements	LS		500000.00
13		Provision for Aluminium Partition	LS		500000.00
14		Provision for Solar Panel arrangements	LS		500000.00
15		Provision for Geological Survey of borewell point	LS		11000.00
16		Provision for Landscape arrangements	LS		200000.00
17		Provision for Parking Shed	LS		300000.00
		SUB - TOTAL - III Rs.			30355612.20
18		GST at 18.0% (GST at 9% + CGST 9%)			5464010.20
		SUB - TOTAL - IV Rs.			35819622.40
19		Labour Welfare fund @ 1%	As pr PWD Norms		303556.12

Sl.No.	Qty	Description	Rate	Unit	Amount ²
20		Unforeseen, contingencies & PS charges @1 %	As pr PWD Norms		304040.87
21		Supervision Charges @ 5%	As pr PWD Norms		1517780.61
		SUB - TOTAL - V Rs.			37945000.00
22		Advertisement charges	LS		155000.00
23		Provision for EB Deposits & EB service connection	LS		200000.00
24		Provision for Planning permission & payment to other department	LS		600000.00
25		Metro water & Sewer line connections	LS		1000000.00
26		Structural Design / Consultancy charges	LS		100000.00
		GRAND TOTAL Rs.			40000000.00


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


Name of Work : Construction of New Building for GYM, Study room& Library Arrangements for Kondithope Police Quarters personnels in Chennai City

Sl. No.	Qty	Description	Rate using [C.S Sand]	Unit	Amount
1.1	*	Earth work excavation in all soils (including refilling)			
	149.10	a. 0 to 2 mt.	260.80	Cum.	38885.28
1.5		Earth work excavation for Open foundation (excluding refilling)			
	45.40	a. 0 to 2 mt.	123.26	Cum.	5596.00
	20.60	b. 2 to 3 mt.	134.87	Cum.	2778.32
		d. 4 to 5 mt.	158.09	Cum.	
1.6		Earth work excavation for Open foundation for drains (excluding refilling) width upto 1.25 m			
	2.3	a. 0 to 2 mt.	184.89	Cum.	425.25
2.1	32.10	Filling C.S. sand	1711.70	Cum.	54945.57
3.1	46.90	C.C. 1:5:10 for Foundation & Basement	5077.40	Cum.	238130.06
3.2	24.00	P.C.C. 1:2:4 for Foundation & Basement and other similar works	6628.85	Cum.	159092.40
6.2	49.60	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")	6914.00	Cum.	342934.40
7.2	18.00	Supply and fixing of Bituminous filler pad , 20 mm tk. for expansion joint	719.00	Sqm.	12942.00
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")			
	33.50	a. In Ground Floor/Stilt floor	6943.13	Cum.	232594.86
	34.20	b. In First Floor	7117.92	Cum.	243432.86
	34.40	c. In Second Floor	7292.71	Cum.	250869.22
	26.50	d. In Third Floor	7467.50	Cum.	197888.75
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.)	877.85	Sqm.	
	70.50	b. In Ground Floor/stilt floor	887.78	Sqm.	62588.49
	48.00	c. In First Floor	907.71	Sqm.	43570.08

Sl. No.	Qty	Description	Rate using [C.S Sand]	Unit	Amount
	22.00	d. In Second Floor	927.64	Sqm.	20408.08
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.)			
	5.10	a. In Ground Floor	621.66	Sqm.	3170.47
	10.10	b. In First Floor	634.77	Sqm.	6411.18
	7.60	c. In Second Floor	647.88	Sqm.	4923.89
13.1	19.20	Filling with Excavated Earth	42.85	Cum.	822.72
	0.40	a. T.W. over 2 m & below 3 m	126659.00	Cum.	50156.96
	0.42	b. T.W. below 2 m length.	114459.00	Cum.	48301.70
23.2	8.20	Glass panels with Aluminium beedings	857.30	Sqm.	7029.86
23.3	8.00	S&F of Magnetic door catches	52.00	Each	416.00
25.0	66.00	M.S.Holdfast	9.60	Each	633.60
26.0	12.60	Flooring in C.C.1:5:10	5077.40	Cum.	63975.24
30.0	10.20	Ellispattern	481.96	Sqm.	4915.99
31.0	21.60	Weathering course	3954.15	Cum.	85409.64
32.1	171.30	Pressed tiles (23cmx23cmx20mm) mixed with Water proofing compound	1272.10	Sqm.	217910.73
33.0	2116.30	Plastering in C.M. 1:5, 12 mm tk.	271.38	Sqm.	574321.49
34.0	23.10	Plastering in C.M. 1:4, 12 mm tk.	277.46	Sqm.	6409.33
35.0	448.90	Spl. Ceiling plastering in C.M. 1:3, 10 mm tk. Cement mortor Border in CM 1:5	311.77	Sqm.	139953.55
	194.90	a. 150 mm wide	87.75	Rmt	17102.48
	194.90	b. 75 mm wide	57.28	Rmt	11163.87
	97.50	c. 50 mm wide	42.67	Rmt	4160.33
37.1	448.90	White washing 3 coats (slaked)	49.68	Sqm.	22301.35
39.0	2972.20	M.s Grills	70.15	Kg.	208499.83
40.0	24.90	Painting - New "wood work"	248.88	Sqm.	6197.11
41.0	122.40	Painting - New "iron work"	147.11	Sqm.	18006.26

Sl. No.	Qty	Description	Rate using [C.S Sand]	Unit	Amount
46.0	5.60	S & F 20 mm dia Alu. Hanger Rod	58.00	Rmt	324.80
47.0	6.00	S & F Alu Towel rail 75 cm long	95.00	Each	570.00
48.0	7.00	S & F 5 pin Coat stand	55.00	Each	385.00
49.0	15.00	S & F chromium plated 8 guage Picture Hook	1.50	Each	22.50
	64.20	Supplying and fixing of Precast slab 50mm thick made in C.C 1:3:6 using 20mm	5976.53	Sqm	27380.02
50.2		Providing precast Kerb stone in C.C. 1:3:6, 450 x 300 x 150 mm	274.37	Rmt	
50.3	10.00	Supply and planting avenue trees	371.54	Each	3715.40
50.4	10.00	Providing Tree guard	927.75	Each	9277.50
50.5	1.00	Supplying. Fabricating and erection of M.S Scheme Name board	20037.22	Each	20037.22
52.1	15.00	G.I Pipe 20mm dia for Hot water line (Fully Concealed in walls)	330.58	Rmt	4958.70
53.3	20.00	PVC mould CI Steps for Sump SR-2023-2024	230.20	Each	4604.00
59.2	6.00	Gully Trap using chamber burnt bricks of size 23x11.4x7.5cm	2166.56	Each	12999.36
60.0	9.00	PVC Nahani trap (4way/2way)	160.00	Each	1440.00
72.0	30.00	Box type Fibre Fan hook	33.90	Each	1017.00
74.0	30.00	Charges for fixing of "Fan"	601.00	Each	18030.00
76.0	45.00	8 SWG wire	27.13	Rmt	1220.85
77.3	5.00	S&F of TV/Telephone line Socket	77.00	Each	385.00
77.4	148.00	S&F of 20mm dia PVC pipe for TV/Telephone line	90.78	Rmt	13435.44
78.0	6.00	Earthing Station IS3043 (Type I)	2997.00	Each	17982.00
86.0	144.60	Anti termite treatment	34.00	Sqm.	4916.40
238.0	25.13	Anticorrosive treatment for steel grills	4865.50	MT	122255.42
	58.70	a. In Foundation and basement	8851.02	Cum	519554.87
	36.60	b. In Ground Floor	8982.86	Cum	328772.68
	36.70	c. In First Floor	9242.57	Cum	339202.32
	36.60	d. In Second Floor	9502.28	Cum	347783.45
	16.10	e. In Third floor	9761.99	Cum	157168.04
	134.90	Supplying and filling stone dust	350.25	Cum.	47248.73
	185.50	Plastering with CM 1:3, 12mm with WPC	296.15	Sqm	54935.83
	121.90	a.For Column footings,plinth beam,Grade beam,Raftbeam,Raft slab etc.,	923.99	Sqm	112634.38

Sl. No.	Qty	Description	Rate using [C.S Sand]	Unit	Amount
	1023.60	b.Plain surfaces such as Roof slab,floorslab,Beams,lintels,lofts,sill slab,staircase,portico slab and other similar works	1027.42	Sqm	1051667.11
	263.40	c.For Square and rectangular columns and small quantities	1232.90	Sqm	324745.86
	72.60	d.Vertical wall	1130.16	Sqm	82049.62
	126.80	f.Curved surface	1541.13	Sqm	195415.28
	17.70	T.W. frame & TW styles & rails with BWR double leaf shutters for cup board/ ward robes including two coat enamel paint & one coat primer.	4406.70	Sqm	77998.59
		TW panelled single door shutter with brass fittings.			
	7.60	b.1200x2400mm	8071.36	Sqm	61342.34
21.5.2	9.50	Supply and Fixing Soild UPVC door Shutter with frame	3325.00	Sqm	31587.50
		Cuddappa slab 20 mm tk.for C/B slab.			
	5.80	a. Ground floor	572.84	Sqm.	3322.47
	11.60	b. In First floor	578.03	Sqm.	6705.15
	8.70	c. In Second floor	583.22	Sqm.	5074.01
		Cuddappa slab 40 mm tk.for C/B slab.			
	1.50	a. In Ground floor	606.77	Sqm.	910.16
	2.90	b. In First floor	617.16	Sqm.	1789.76
	2.20	c. In Second floor	627.55	Sqm.	1380.61
29.8	75.40	Glazed tiles using Grout (Tile Joint Filler), C.M 1:2, 10mm tk	1464.70	Sqm	110438.38
29.9	29.90	Floor ceramic tiles (Anti-skid) using Grout (Tile Joint Filler).	1280.75	Sqm	38294.43
44.6	67.40	PVC SWR 110 mm dia with ISI mark type- A for Rain water down fall pipe	357.54	Rmt	24098.20
52.4	48.30	20mm dia PVC water supply ASTM pipe (fully consealed in walls)	250.13	Rmt	12081.28

Sl. No.	Qty	Description	Rate using [C.S Sand]	Unit	Amount
53.4	6.00	S&F of C.I Manhole cover 60 x 60 cm (50kg weight)	1864.00	Each	11184.00
	6.00	Wash Hand Basin of size 550 x 400 mm (White without Pedestal)	3495.67	Each	20974.02
	28.80	a. 110 mm dia.	758.37	Rmt	21841.06
	17.10	b. 75 mm dia.	641.07	Rmt	10962.30
58.4	7.80	Supplying, Laying & Concealing the 50mm dia PVC (SWR) pipe with ISI mark type - 'B' with relevant specials.	114.45	Rmt	892.71
	30.00	Supply and delivery of 48" (1200 mm) Fan with ISI mark with Eletronic Dimmer	1552.70	Each	46581.00
	312.80	Run of 2 Wires of 4 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark confirming IS: 694:1990.	273.00	Rmt	85394.40
77.5	162.00	Run of 2 Wires of 1.5 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark confirming IS: 694:1990.	215.00	Rmt	34830.00
	890.70	Run of 2 Wires of 2.5 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark confirming IS: 694:1990.	233.00	Rmt	207533.10
	40.50	4 x 4 Sq mm copper PVC insulated unsheathed single core cable for 3 phase EB service connection	275.30	Rmt	11149.65
	71.30	Run of 4 Wires of 6 sqmm PVC insulated single core multi strand	501.00	Rmt	35721.30
112.1	9.00	S & F of Exsaust Fan 225mm dia	2177.25	Each	19595.25
44.2		Rain water harvesting using defunct borewell and providing perforated cover slab			
	12.00	a). Providing pit (M30)	2256.90	Each	27082.80
	8.40	b) Augering 30cm dia	533.33	Rmt	4479.97
344.2	6.00	S&F of Bevelled edge mirror 500 x 400 x 5.5mm	398.30	Each	2389.80
383.1	30.50	Providing single nosing to the edges of Granite slab at entrance steps [PWD SR-2022-23/p-36]	195.70	Rmt	5968.85
238.1	2.97	Anticorrosive treatment for window grills	3067.00	MT	9115.12
80.1	3.00	450 x 375 x 20 mm thick TW plank	1345.34	Each	4036.02

Sl. No.	Qty	Description	Rate using [C.S Sand]	Unit	Amount
	3.00	3 Nos.of 32Amps - Fuse Unit	852.12	Each	2556.36
87.1	3.00	Supplying and delivery of Three phase ELCB/RCCB	3091.30	Each	9273.90
	1417.20	Providing two coats of Plastic Emulsion PAINT including primer for inner walls	248.97	Sqm	352840.28
	949.00	Providing two coats of Plastic Emulsion PAINT including primer for Outer walls	250.52	Sqm	237743.48
	27.30	Supplying & fixing of Stainless steel Hand Rails for Staircase (PWD SR 22-23/p-50)	5536.00	Sqm	151132.80
	84.80	Granite Tile wall cladding using 10mm tk (Ruby red) tile in C.M 1:2, 10mm tk .	1842.70	Sqm	156260.96
	41.40	Providing wooden Melamine polish for new wood work	1540.84	Sqm	63790.78
	95.70	Providing Shahabad stone flooring, C.M 1:3, 20mm tk	1577.29	sqm	150946.65
	195.30	Double layered Vitrified Tiles 800 x 800 x 10mm Flooring in C.M 1:3	2155.89	sqm	421045.32
	3.00	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	3543.00
	3.90	Supplying and fixing in position of UPVC Ventilator louvered ventilator type for all sizes PWD SR 2022-2023 p-66	8106.00	Sqm	31613.40
	77.60	Supplying and fixing in position of UPVC window of casement type(open) for all sizes SR 2022-2023 p-65	7482.00	Sqm	580603.20
		Supplying and fixing of solid core flush door shutter of thickness 35mm			
	4.20	h). door size 1.00 m x 2.400 (Single Leaf)	3006.62	Sqm	12627.80
	5.60	j). door size 0.900 m x 2.400 (Single Leaf)	3070.44	Sqm	17194.46
		S & F of Granite slab of size 4'x2', 18 to 20mm Thick For Step (Jet block) C.M 1:3, 20mm tk			
	31.90		2638.12	Sqm	84156.03
	46.90	Granite Slab flooring in cm1:3,20mm thk Ruby Red	2528.89	Sqm	118604.94
	6.00	S & F of 15mm dia Engineering Polymer Tap (long body) for coastal area only	268.00	Each	1608.00
	3.00	S & F of 15mm dia Engineering Polymer Tap short body tap for coastal area only	257.00	Each	771.00
	21.20	a. 110 mm UPVC Non Pressure pipe	500.16	Rmt	10603.39
	12.20	b. 160 mm UPVC Non Pressure pipe	824.38	Rmt	10057.44

Sl. No.	Qty	Description	Rate using [C.S Sand]	Unit	Amount
	1.00	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.	3529.11	Each	3529.11
	1.00	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.	5505.68	Each	5505.68
	1.00	S & F of E.W.C.(White) 500 mm with PVC SWR grade "P" or "S" TRAP	7486.65	Each	7486.65
	61.00	a. Light point with ceiling rose	1679.10	Each	102425.10
	13.00	b. Light point without ceiling rose	1682.10	Each	21867.30
	1.00	c. Calling bell point with Buzzer/Calling bell	1713.10	Each	1713.10
	30.00	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	52023.00
	4.00	Wiring with 1.5 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark confirming IS: 694:1990 for Staircase Light Point.(PVC Electrical Box)	3162.20	Each	12648.80
67.1	13.00	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 @ Switch Board Itself.	864.50	Each	11238.50
	40.00	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	46456.00
	35.00	Supplying and fixing of 15 Amps 3 pin flush type plug using (PVC Box , Fire Retarded Box)	135.00	Each	4725.00
	25.13	Fabrication of Mild steel / RTS grills (without cement slurry) for all sizes of rods.(BINDING WIRE insulated with PVC)	92055.30	MT	2313073.52
		Supply ,laying & jointing the following pipes as per ASTM D 1785 of schedule 40 with PVC Specials			
	48.10	a. 32 mm dia	270.95	Rmt	13032.70
	11.20	b. 25 mm dia	252.93	Rmt	2832.82

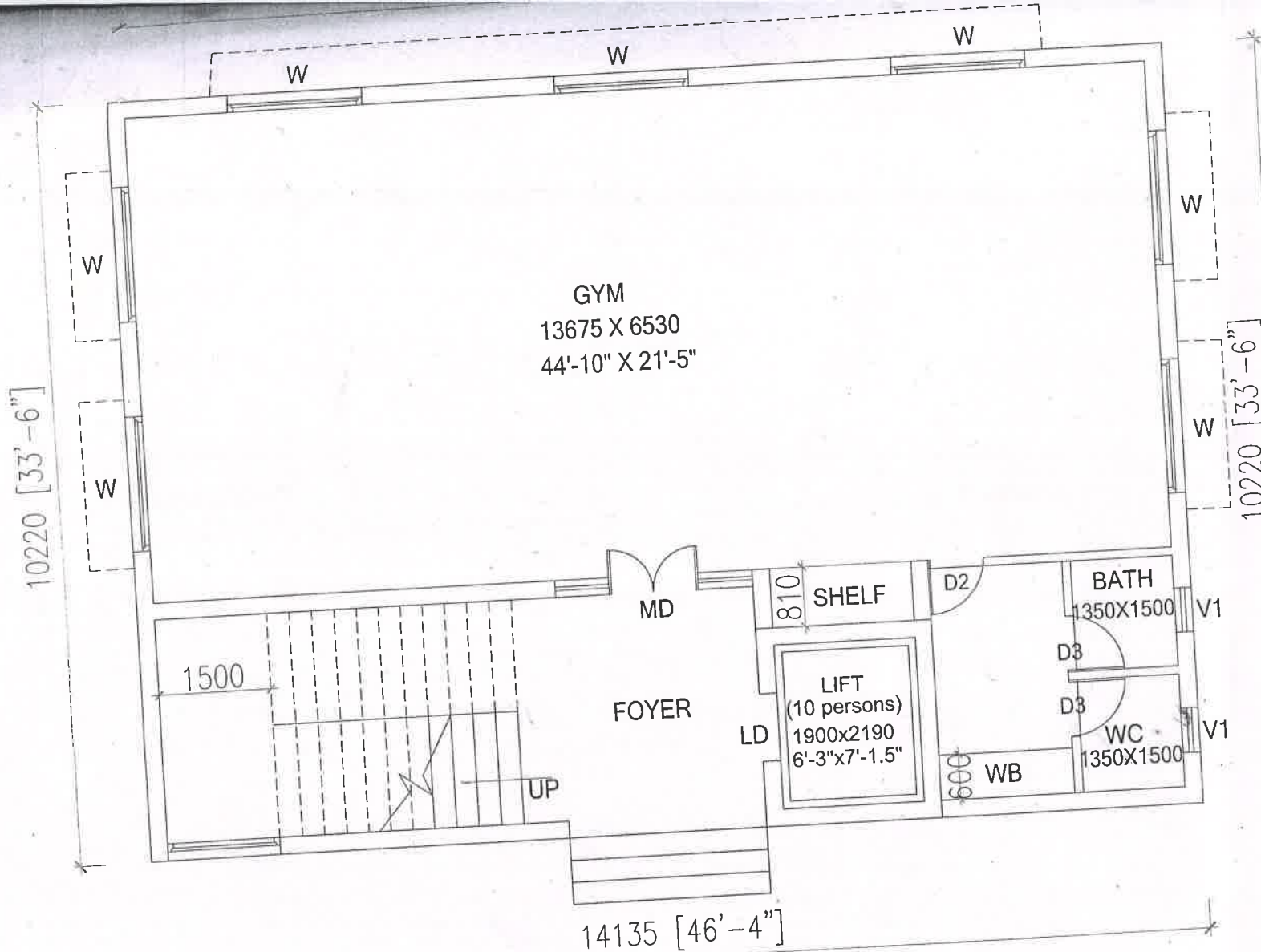
Sl. No.	Qty	Description	Rate using [C.S Sand]	Unit	Amount
	19.00	Supply and fixing of 20 Amps DP plug and socket in sheet enclosure with 32 A DP MCB in Flush with wall with earth connection (For AC Plug) Legrand (MDS) / Hager(L& T) Equivalent/ Superior variety Ele SD -140 /2021-2022	1839.00	Each	34941.00
	24.60	Supply and Laying Rubber Moulded Hydraulic Pressed Paver Block 63 mm thick including labour charges for laying etc (as per DB/1469/2018)	640.50	Each	15756.30
	4.00	Supplying and fixing of 250 Watts Metal halide Flood light etc.,	8869.00	Each	35476.00
	13.00	Supply and fixing of 9 watts LED bulb (PWD SR-2022-23/p-115)	135.00	Each	1755.00
	39.00	Supply and fixing of 4' 18 watts LED Tube Light	704.20	Each	27463.80
	6.00	Supply and fixing of Bulk Head fitting suitable for 12W LED Bulb	530.00	Each	3180.00
	5.00	Supply, fixing of 25W LED street light etc.,	3459.00	Each	17295.00
	6.00	Supply and fixing of 12 watts LED bulb (qtn)	170.00	Each	1020.00
	72.00	Supplying and laying of 3.5 core 95 sq.mm PVC armoured LTUG cable (below GL) SD-209	919.00	RMT	66168.00
	31.00	Supplying and laying of 3.5 core 95 sq.mm PVC armoured LTUG cable (Above. GL) SD-227	774.00	RMT	23994.00
	4.00	Supplying and fixing of brass cable gland suitable for 3.5 core 95 Sqmm PVC armoured LTUG cable SD 191	570.00	Each	2280.00
	4.00	Supplying and fixing of end termination suitable for 3.5 core 95 Sqmm PVC armoured LTUG cable SD 240	497.00	Each	1988.00
	3.00	Supplying and fixing of CP Angle valve Stop cock including cost of all materials and all labour charges etc complete	776.00	Each	2328.00
	1.00	Supply and Bib cock with health facet including cost of labour charge and etc.,	2020.00	each	2020.00
	3.00	Supply and fixing of 4 way triple pole and neutral MCB sheet steel enclosure with bus and with 1no. 100A/63A 4 pole isolator (MCB type) as incoming and 12 nos. 6-20A SP MCB as outgoing in flush with wall and making good of the concealed portion with earth connection etc all complete as per relevant standard specification and as directed by the departmental officers.	16350.39	Each	49051.17
	1.00	Supply and fixing of Aluminium TNPHC Emblem of 18" height	4200.00	Nos	4200.00

Sl. No.	Qty	Description	Rate using [C.S Sand]	Unit	Amount
	32.00	Supply and Fixing of 12" Height Aluminium letter s	840.00	Nos	26880.00
	20.00	Supply and fixing of 9" Height Aluminium letters	720.00	Nos	14400.00
	11.00	Supply and fixing of 20"x5" size plastic foam name plate	320.00	Nos	3520.00
	1.00	Supply and fixing of 24"x8" plastic foam name plate with vinyl cutting letter RWH Board	450.00	Nos	450.00
	1.00	Supply and fixing of Carbon-di-Oxide Gas Type 2 kg.capacity Fire Extinguisher as per New IS15683,complete with control valve, discharge hose with horn	8748.00	Nos	8748.00
	3.00	Supply and fixing of stored pressure ABC (Mono Ammonium Phospate) Powder Type Fire Extinguisher of 6 kg. capacity a	5248.00	Nos	15744.00
	7.00	a. 600mm x 600mm (SR 2022-23 P-72)	2701.00	Nos	18907.00
	5.00	b. 300mm x 300mm	990.00	Nos	4950.00
	6.00	Providing Rain Water Harvesting well ring circular shape of 90cm dia, 60cm depth,50mm thick using m20 grade concrete including steel fabrication. A.Ring	1478.37	No	8870.22
	3.00	Providing Rain Water Harvesting Cover slab circular shape of 90cm dia, 75 mm thick using m20 grade concrete including steel fabrication.	776.44	No	2329.32
	25.20	Supply and Fixing of PVC Trimes (beeding) P36/SOR-2022-2023	95.40	Rmt	2404.08
	271.40	206.4.1) Providing 8mm thick Calcium Silicate Board Designed and Perforated for False Ceiling	1545.00	Sqm	419313.00
	162.40	Providing Cornice Work for Gyp Board False Ceiling	190.40	Rmt	30920.96
	1417.20	450.8.1) Wallputty (one coat)	103.16	Sqm	146198.35
	3.00	450.9.1) Supplying and fixing of CP wall mixer three in one with hand shower P53-SR-2023-2024	4146.00	No	12438.00
	73.60	180.1.1) Supplying and fixing of 25x 3mm Copper flat SD	467.00	Rmt	34371.20
	1.00	912) Supplying and laying of 1000 x1000 x300mm size MS 16 swg powder coated cable terminal box	47538.44	Each	47538.44
	1.00	Supplying and fixing of 125A panel size 4.6' x 6.5' x 2 ' MS 16 swg powder coated cable terminal box	50148.54	Each	50148.54
	1.00	958.3.1) Supply, erection and commissioning at site 10 persons capacity 680 Kg passenger lift Gearless Lift without Machine Room.	1671900.00	Each	1671900.00
	1.00	a.2nd year	83595.00	Job	83595.00
	1.00	c. 3rd year	87774.75	Job	87774.75

Sl. No.	Qty	Description	Rate using [C.S Sand]	Unit	Amount
	1.00	d. 4th year	92163.49	Job	92163.49
	1.00	e. 5th year	96771.66	Job	96771.66
	4.00	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 specification.	1491.00	Each	5964.00
	1.00	Providing suitable foundation for accomodating the 62.5 KVA DG set. With standard panel	671200.00	Each	671200.00
	5.00	Insulation for the residential silencer (supply of residential silencer to be included under item for DG Sets)	2215.00	Rmt	11075.00
	1.00	a. 1.5 TR Split Type AC unit	44160.00	No	44160.00
	18.00	b..2 TR Split Type AC unit	56370.00	No	1014660.00
	1.00	Supply and Installation of 4 KVA Capacity Automatic Voltage stablizer with time delay relay (V- Guard/ Equivalent)	4441.00	No	4441.00
	18.00	Supply and Installation of 5 KVA Capacity Automatic Voltage stablizer with time delay relay (V- Guard/ Equivalent)	4940.00	No	88920.00
	25.00	Supply and laying of 5/8" and 3/8" copper pipe (Extra beyond 3 metrs supplied with AC unit)	940.00	Rmt	23500.00
	93.60	Supply and fixing of AC drain pipe	64.10	Rmt	5999.76
	9.50	Supply and fixing of AC outdoor clampset	1088.00	No	10336.00
	19.00	Refilling Airconditionr gas topup	571.80	No	10864.20
	84.90	supply and fixing of Vertical blinds	1383.00	Sqm	117416.70
	30.00	SUPPLY AND FIXING OF LED 4000K 2'X2' SQUARE TYPE RECESSED FITTING	3864.00	No	115920.00
	3.00	Supply and fixing of Automatic Electrical Water Heater with copper container, with Glass Wool / Puf Insulation with MS powder coated shelln suitable for 25 Litres capacity 230V / 1000W (Higher End)	8256.00	No	24768.00
	90.90	Supply and laying of Rubber Matt Flooring (1000 x1000mm size) arrangemets including labercharge	980.00	Sqm	89082.00
	50.00	a) Drilling of borewell in upto 76m page.No.279 TWAD SR 20-21	551.04	m	27552.00
	30.00	Drilling of borewell in rock area	450.00	m	13500.00
				m	
	80.00	Reaming from 150mm dia pilot bore to 300mm dia bore as directed by the departmental officer's up to 60m depth ending from ground level.	347.60	m	27808.00

Sl. No.	Qty	Description	Rate using [C.S Sand]	Unit	Amount
	30.00	Supply and delivery of 150mm OD of PVC casing pipes (6kg/cm ²) as per IS 12818 11992 of approved quality for borewells with average wall thickness of 11mm 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 officers. (The PVC casing pipe should be got approved.P22 - TWAD2022-2023	644.50	m	19335.00
	50.00	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 -TWAD2022-2023	1004.50	m	50225.00
	80.00	i) 150mm dia casing pipes assembly	312.40	Rmt	29568.00
	2.00	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 complete.	104.50	Nos	209.00
	8.00	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/TWAD2022-23	1937.10	Hour	15496.80
	84.00	Supply and laying 32MM Dia Column pipe PIPES for bore well (TWAD SR 2022-2023, Pg No. 24)	130.10	Rmt.	10928.40
	120.00	Supplying of Nylon rope for Bore well	61.80	rmt	7416.00
	2.00	b. 50mm Gate valve	1241.00	Nos	2482.00
	2.00	e. M.S clamp set TWAD 40 mm	205.00	Nos	410.00
	2.00	Supply and Delivery of Submersible motor Pumpset with ISI mark IS 8034 without Panel Board of capacity 20LPM X 125m head	34926.00	each	69852.00
	2.00	Supply and Delivery of Three phase Openwell Submersible motor Pumpset 300LPM X 40m	37183.00	each	74366.00

Sl. No.	Qty	Description	Rate using [C.S Sand]	Unit	Amount
	4.00	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 and trail run for 10 days.	11056.10	each	44224.40
	2.00	Supplying and fixing of Single Phase Panel board , D.O.L with two level guard and auto start including all materials and labour charges etc., all complete and as directed by the departmental officers. (The quality and brand should be got approved from the EE before use). Upto 5 HP	5641.00	each	11282.00
	2.00	Supplying and delivery of MS fabricated DOL panel control board 4HP with ISI mark for three phase (TWAD SR 2019-2020)	15147.00	No	30294.00
	120.00	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	23280.00
	73.10	a. 32mm dia UPVC pipes (below Ground level)	246.38	Rmt	18010.38
	30.00	b. 50mm dia UPVC pipes (below Ground level)	337.32	Rmt	10119.60
		Total			19079612.20



GROUND FLOOR PLAN

AREA STATEMENT

	SQM
GROUND FLOOR	- 140.12
FIRST FLOOR	- 140.12
SECOND FLOOR	- 140.12
TOTAL	- 420.36 OR 4525 sq.

PROPOSED CONSTRUCTION OF GYM, LIBRARY AND STUDY CENTER



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

13/05/23
JE

13/5/23
AGG

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

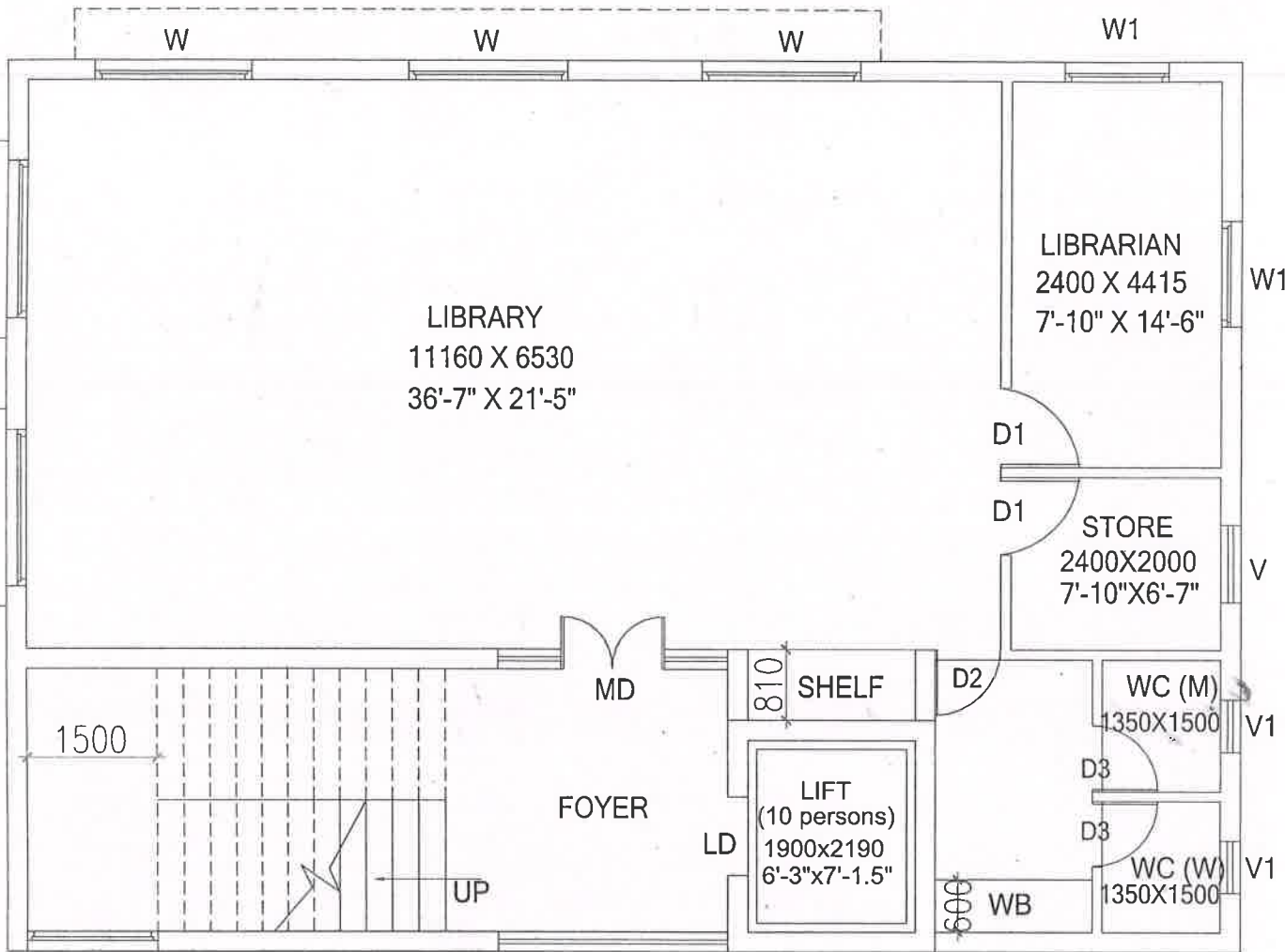
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14135 [46'-4"]

10220 [33'-6"]

10220 [33'-6"]

14135 [46'-4"]



AREA STATEMENT

	SQM
GROUND FLOOR	- 140.12
FIRST FLOOR	- 140.12
SECOND FLOOR	- 140.12
TOTAL	- 420.36 OR 4525 sq.

PROPOSED CONSTRUCTION OF GYM, LIBRARY AND STUDY CENTER

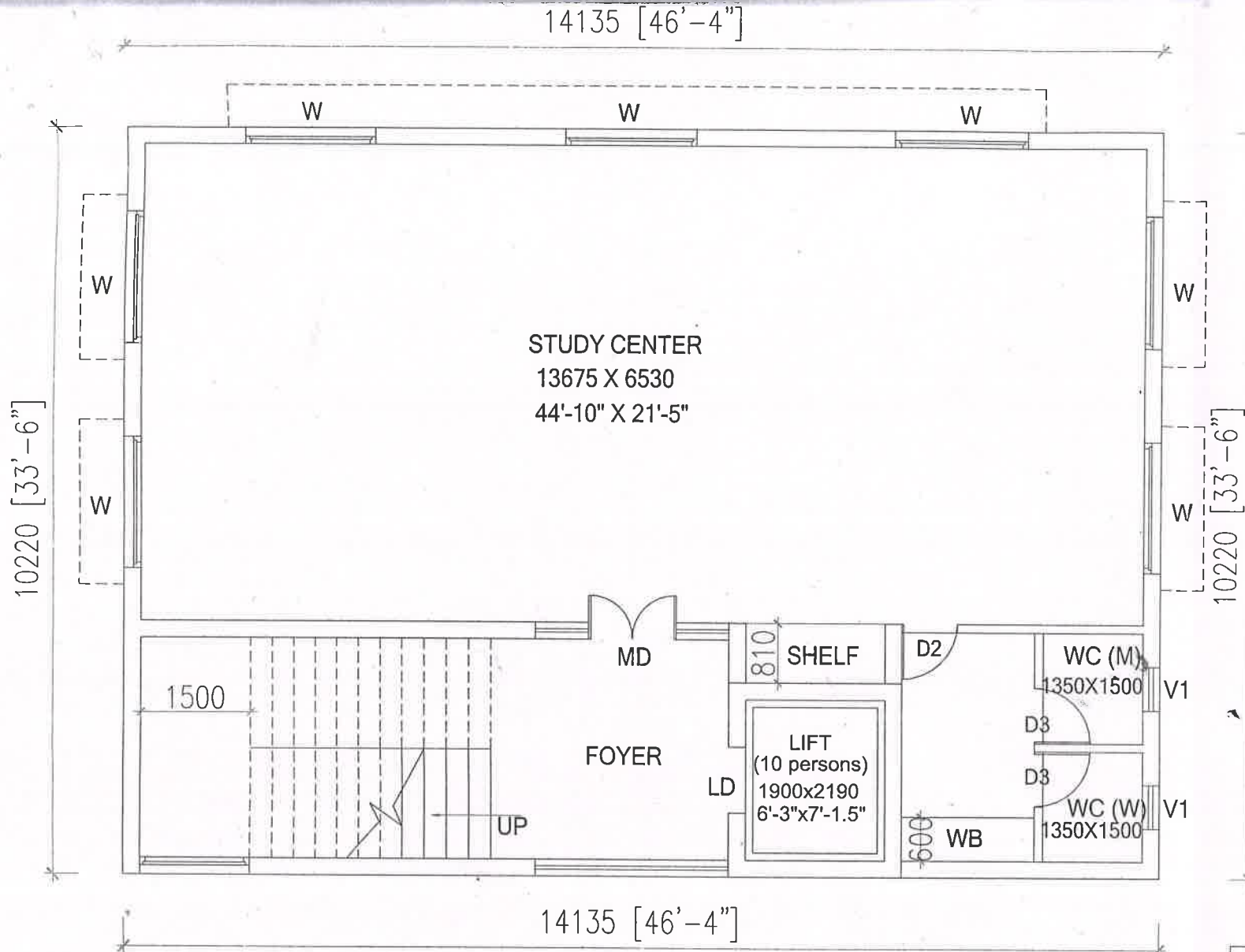


TAMILNADU POLICE HOUSING
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KILPAUK, CHENNAI-600 010.

FIRST FLOOR PLAN

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

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AREA STATEMENT

	SQM
GROUND FLOOR	- 140.12
FIRST FLOOR	- 140.12
SECOND FLOOR	- 140.12
TOTAL	- 420.36 OR 4525 sq.

PROPOSED CONSTRUCTION OF GYM, LIBRARY AND STUDY CENTER



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

SECOND FLOOR PLAN

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

13/05/23
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13/05/23
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