

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/938/2021

Dated:09.06.2023

To

The Director General of Police,
Head of Police Force,
Tamil Nadu,
Chennai – 04.

Sir,

Sub: TNPHC– Construction of Dog Kennel for City AR at Annadhanapatty in Salem 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.02939-6/ Bldg I(1)/2023, Dated:26.04.2023.

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With reference to the 1st cited, the Construction of Dog Kennel for City AR at Annadhanapatty in Salem City to a value of **Rs. 133.35 Lakhs** comes under announcement of the Hon'ble Chief Minister of Tamil Nadu as announcement No.42.

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 Dog Kennel for City AR at Annadhanapatty in Salem 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 Dog Kennel for City AR at Annadhanapatty in Salem City	133.35	❖ The land is identified in S.No.69, Ward AA, Block No.58, Annadhanapatty Taluk in Salem City

			<ul style="list-style-type: none"> ❖ The land belongs to Police Department. ❖ It is feasible to construct the Dog Kennel for City AR at Annadhanapatty in Salem 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**NAME OF WORK:- CONSTRUCTION OF DOG KENNEL FOR CITY AR AT ANNADHANAPATTY IN SALEM CITY.**

Sl.N o.	Qty	Description	Rate	Unit	Amount
		BUILDING WORKS	AS PER PWD SR 2023-2024		
1	1.00	Main building (G+1)	8036972.38	Each	8036972.38
		SUB - TOTAL - I Rs.			8036972.38
		DEVELOPMENT WORKS			
2	1.00	CC Road	757304.53	Each	757304.53
3	1.00	Compund Wall	499097.70	Each	499097.70
4	1.00	Borewell and External Water supply arrangement	479068.67	Each	479068.67
5	1.00	Sullage Drain	51812.29	Each	51812.29
6	1.00	Storm Water Drain	118141.43	Each	118141.43
7	1.00	Septic tank	263370.49	Each	263370.49
8		Provision for Drinking Water Connection arrangements and Additinal Amenities	LS		277200.00
		SUB - TOTAL - II Rs.			10482967.49
9		GST at 18.0% (SGST at 9% + CGST 9%)			1886934.15
		SUB - TOTAL - III Rs.			12369901.64
10		Labour Welfare fund @ 1%	As pr PWD Norms		104829.67
11		Unforseen, contingencies & PS charges @ 1%	As pr PWD Norms		105120.32
12		Supervision Charges @ 5%	-		524148.37
		SUB - TOTAL - IV Rs.			13104000.00
13		Advertisement charges	LS		31000.00

Sl.N o.	Qty	Description	Rate	Unit	Amount
14		Provision for Planning permission & payment to other department	LS		50000.00
15		Provision for EB Deposits & EB service connection & EB Pole Providing	LS		100000.00
16		Structural Design / Consultancy charges	LS		50000.00
		Grand Total Rs.			13335000.00
					Say Rs.133.35 Lakhs


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


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ABSTRACT

NAME OF WORK: CONSTRUCTION OF DOG KENNEL FOR CITY AR AT ANNADHANAPATTY IN SALEM CITY.

Sl. No.	Qty.	Description	Rate (CS sand)	Unit	Amount 2023-2024
1.1		Earth work excavation in all soils (including refilling)			
	147.00	a. 0 to 2 mt.	248.93	Cum.	36592.71
1.3		Earth work excavation in Soft disintegrated rock (including refilling)			
	17.00	a. 0 to 2 mt.	364.13	Cum.	6190.21
1.5		Earth work excavation for Open foundation (excluding refilling)			
	89.00	a. 0 to 2 mt.	117.65	Cum.	10470.85
1.6		Earth work excavation for Open foundation for drains (excluding refilling) width upto 1.25 m			
	16.00	a. 0 to 2 mt.	176.48	Cum.	2823.68
1.8		Earth work excavation in SDR for Open foundation (excluding refilling)			
	13.50	a. 0 to 2 mt.	175.25	Cum.	2365.88
	12.80	b. 2 to 3 mt.	186.33	Cum.	2385.02
2.1	114.20	Filling C.S. sand	1560.13	Cum.	178166.85
2.2		Sand Gravel Mix	1411.01	Cum.	
2.3		Supply and filling of 40 mm Brick jelly	866.84	Cum.	
2.4		Supply and filling of 20 mm Brick jelly	947.84	Cum.	
2.5		Gravel soling	299.60	Cum.	
2.6	5.00	Supply and filling of 40 mm HBSJ	1247.12	Cum.	6235.60
2.7	5.00	Supply and filling of 20 mm HBSJ	1666.32	Cum.	8331.60
3.1	108.20	C.C.1:5:10 for Foundation & Basement	4785.71	Cum.	517813.82
3.2	40.00	P.C.C. 1:2:4 for Foundation & Basement and other similar works	6337.17	Cum.	253486.80
3.3	2.70	P.C.C. 1:8:16 using 20 mm broken brick jelly	4222.81	Cum.	11401.59
6.2	133.60	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")	6742.22	Cum.	900760.59
7.2	46.00	Supply and fixing of Bituminous filler pad, 20 mm tk. for expansion joint	719.00	Sqm.	33074.00
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")			
	61.00	a. In Ground Floor/Stilt floor	6767.08	Cum.	412791.88
	30.00	b. In First Floor	6934.24	Cum.	208027.20
	0.50	c. In Second Floor	7101.40	Cum.	3550.70

Sl. No.	Qty.	Description	Rate (CS sand)	Unit	Amount 2023-2024
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.)			
	87.00	a. In Foundation and basement	854.44	Sqm.	74336.28
	25.20	b. In Ground Floor/stilt floor	863.88	Sqm.	21769.78
	63.00	c. In First Floor	882.94	Sqm.	55625.22
	0.50	d. In Second Floor	902.00	Sqm.	451.00
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.)			
	10.00	a. In Ground Floor	604.23	Sqm.	6042.30
12.1		Brick partition in C.M. 1:4 using country bricks of size 22 x11x5cm 50 mm thick			
	8.00	a. In Ground Floor	409.77	Sqm.	3278.16
13.1	49.50	Filling with Excavated Earth	40.90	Cum.	2024.55
15.1		Cuddappa slab 20 mm tk.			
	11.00	b. In First floor	569.43	Sqm.	6263.73
15.2		Cuddappa slab 40 mm tk.			
	3.00	b. In First floor	2163.27	Sqm.	6489.81
21.2		Teak wood Wrought & Put up			
	0.20	a. T.W. over 2 m & below 3 m	125974.50	Cum.	25194.90
	0.10	b. T.W. below 2 m length.	113774.50	Cum.	11377.45
22.1		Teak wood panelled door shutters			
	3.20	b. 900 x 2100 mm	5123.42	Sqm.	16394.94
	2.80	c. 750 x 2100 mm	5221.72	Sqm.	14620.82
23.1		T.W. single leaf Door shutters using 9 mm tk. phynol bonded BWR plywood		Sqm.	
	2.00	a. 900 x 2100 mm	3696.23	Sqm.	7392.46
23.3	5.00	S&F of Magnetic door catches	52.00	Each	260.00
25.0	30.00	M.S.Holdfast	9.60	Each	288.00
26.0	23.00	Flooring in C.C.1:5:10	4785.71	Cum.	110071.33
28.0	61.50	Floor plastering in C.M. 1:4, 20 mm tk.	528.92	Sqm.	32528.58
30.0	90.00	Ellispattern	461.25	Sqm.	41512.50
31.0	17.70	Weathering course	3941.47	Cum.	69764.02
32.1	235.00	Pressed tiles (23cmx23cmx20mm) mixed with Water proofing compound	1230.98	Sqm.	289280.30
33.0	1527.00	Plastering in C.M. 1:5, 12 mm tk.	259.14	Sqm.	395706.78
34.0	150.20	Plastering in C.M. 1:4, 12 mm tk.	265.23	Sqm.	39837.55
35.0	224.00	Spl. Ceiling plastering in C.M. 1:3, 10 mm tk.	298.21	Sqm.	66799.04
36.0		Cement mortar Border in C.M. 1:5, 12 mm tk.			

Sl. No.	Qty.	Description	Rate (CS sand)	Unit	Amount 2023-2024
	145.60	a. 150 mm wide	83.78	Rmt	12198.37
	145.60	b. 75 mm wide	54.68	Rmt	7961.41
	106.00	c. 50 mm wide	40.74	Rmt	4318.44
37.1	224.00	White washing 3 coats (slaked)	47.48	Sqm.	10635.52
39.0	3814.00	M.s Grills	70.15	Kg.	267552.10
40.0	23.00	Painting - New "wood work"	241.31	Sqm.	5550.13
41.0	153.00	Painting - New "iron work"	142.73	Sqm.	21837.69
46.0	5.10	S & F 20 mm dia Alu. Hanger Rod	58.00	Rmt	295.80
47.0	1.00	S & F Alu Towel rail 75 cm long	95.00	Each	95.00
48.0	3.00	S & F 5 pin Coat stand	55.00	Each	165.00
49.0	32.00	S & F chromium plated 8 guage Picture Hook	1.50	Each	48.00
50.2	148.00	Providing precast Kerb stone in C.C. 1:3:6, 450 x 300 x 150 mm	261.23	Rmt	38662.04
50.3	10.00	Supply and planting avenue trees	353.48	Each	3534.80
50.4	10.00	Providing Tree guard	906.32	Each	9063.20
50.5	1.00	Supplying. Fabricating and erection of M.S Scheme Name board	19525.36	Each	19525.36
51.0	1.00	HDPE water tank 1000 lit capacity with ISI mark	10050.00	Each	10050.00
52.0		PVC Water supply (ASTM)			
	35.00	a. 32 mm dia	262.04	Rmt	9171.40
	54.00	b. 25 mm dia	243.98	Rmt	13174.92
52.1	2.00	G.I Pipe 20mm dia for Hot water line (Fully Concealed in walls)	323.23	Rmt	646.46
59.2	4.00	Gully Trap using chamber burnt bricks of size 23x11.4x7.5cm	2077.29	Each	8309.16
60.0	4.00	PVC Nahani trap (4way/2way)	160.00	Each	640.00
61.1		Stoneware pipe			
	20.00	b. 150 mm S.W. pipe	780.46	Rmt	15609.20
61.2		Stoneware pipe dry condition			
	5.00	a. 100 mm dia	249.02	Rmt	1245.10
		Electrical arrangements			
69.0	6.00	15 Amp. Power plug	150.00	Each	900.00
72.0	18.00	Box type Fibre Fan hook	33.90	Each	610.20
73.1	2.00	6 way - D.B.	4251.30	Each	8502.60

Sl. No.	Qty.	Description	Rate (CS sand)	Unit	Amount 2023-2024
74.0	18.00	Charges for fixing of "Fan"	602.50	Each	10845.00
76.0	30.00	8 SWG wire	27.13	Rmt	813.90
77.0	124.00	Run of main 2 wires of 1.50 Sqmm.	214.90	Rmt	26647.60
77.2	10.00	S & F of A/C metal clad switch (SD-140)	1858.00	Each	18580.00
77.3	2.00	S&F of TV/Telephone line Socket	77.01	Each	154.02
77.4	8.00	S&F of 20mm dia PVC pipe for TV/Telephone line	89.74	Rmt	717.92
78.0	2.00	Earthing Station IS3043 (Type I)	2998.00	Each	5996.00
80.0	1.00	375 x 300 x 20 mm T.W. plank	847.60	Each	847.60
86.0	81.00	Anti termite treatment	34.00	Sqm.	2754.00
112.0	1.00	S & F of Exsaust Fan 300 mm dia	2363.00	Each	2363.00
		ANNEXURE			
14.II		Precast cupboard slab 40 mm tk using standardised concrete mix M20 (annexure)			
	5.50	a. In Foundation & basement	1692.25	Sqm.	9307.38
		Precast Jally ventilator 50mm tk.using standardised concrete mix M20 (annexure) without vibrating charges			
	4.00	a. In Ground Floor	3092.16	Sqm.	12368.64
		Standardised concrete Mix M20 Grade Concrete			
	48.00	a. In Foundation and basement	7940.06	Cum	381122.88
	43.00	b. Stilt / Ground Floor	8065.90	Cum	346833.70
	16.00	c. In First Floor	8313.81	Cum	133020.96
	2.00	d. In Second Floor	8561.72	Cum	17123.44
	17.00	Plastering with CM 1:3, 12mm with WPC	283.91	Sqm	4826.47
	1049.00	Supplying and filling with gravel	321.85	Cum	337620.65
18.1		Formwork using M.S.Sheet			
	239.00	a.For Column footings,plinth beam,Grade beam,Raftbeam,Raft slab etc.,	886.03	Sqm	211761.17
	433.00	b.Plain surfaces such as Roof slab,floorslab,Beams,lintels,lofts,sill slab,staircase,portico slab and other similar works	987.02	Sqm	427379.66
	251.00	c.For Square and rectangular columns and small quantities	1184.42	Sqm	297289.42
	58.00	d.Vertical wall	1085.72	Sqm	62971.76
21.6		R.C.C.Door frames of size 100 x 75mm with one edge grooves size 't' x 20 mm using M20 grade (with out vibrating charges)			
	15.00	a. 900 x 2100 mm	2873.46	Each	43101.90

Sl. No.	Qty.	Description	Rate (CS sand)	Unit	Amount 2023-2024
	14.00	T.W. frame & TW styles & rails with BWR double leaf shutters for cup board/ ward robes including two coat enamel paint & one coat primer.	4329.88	Sqm	60618.32
21.5.2	3.50	Supply and Fixing Soild UPVC door Shutter with frame	3325.00	Sqm	11637.50
29.8	212.00	Glazed tiles using Grout (Tile Joint Filler), C.M 1:2, 10mm tk	1418.68	Sqm	300760.16
29.9	4.00	Floor ceramic tiles (Anti-skid) using Grout (Tile Joint Filler).	1241.81	Sqm	4967.24
43.0	14.13	Fabrication of Mild steel / RTS grills (without cement slurry) for all sizes of rods.	90389.00	MT	1277196.57
44.6	43.00	PVC SWR 110 mm dia with ISI mark type- A for Rain water down fall pipe	350.32	Rmt	15063.76
50.6	120.00	Precast slab 50 mm tk.in C.C. 1:3:6 with fibre	407.71	Sqm	48925.20
52.4	20.00	20mm dia PVC water supply ASTM pipe (fully consealed in walls)	241.19	Rmt	4823.80
53.4	2.00	S&F of C.I Manhole cover 60 x 60 cm (50kg weight)	1864.00	Each	3728.00
	4.00	Wash Hand Basin of size 550 x 400 mm (White without Pedestal)	3416.50	Each	13666.00
58.3		PVC SWR pipe (Soil line) with ISI mark - type 'B'.			
	15.00	a. 110 mm dia.	737.96	Rmt	11069.40
	40.00	b. 75 mm dia.	620.66	Rmt	24826.40
58.4	4.00	Supplying, Laying & Concealing the 50mm dia PVC (SWR) pipe with ISI mark type - 'B' with relevant specials.	115.30	Rmt	461.20
58.5	2.00	PVC(SWR) pipe with ISI mark - type 'A' for Ventilating shaft with cowl	454.00	Each	908.00
64.1		Wiring with 1.5 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark confirming IS: 694:1990.			
	50.00	a. Light point with ceiling rose	1692.10	Each	84605.00
	24.00	b. Light point without ceiling rose	1695.00	Each	40680.00
	1.00	c. Calling bell point with Buzzer/Calling bell	1732.00	Each	1732.00
65.1	18.00	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 controlled by 6A Modular switch 1 Way.	1767.00	Each	31806.00
66.1	2.00	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.controlled by 6A Modular switch 2 Way.	3176.00	Each	6352.00
	8.00	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 controlled by 6A Modular switch 1 Way.	870.00	Each	6960.00

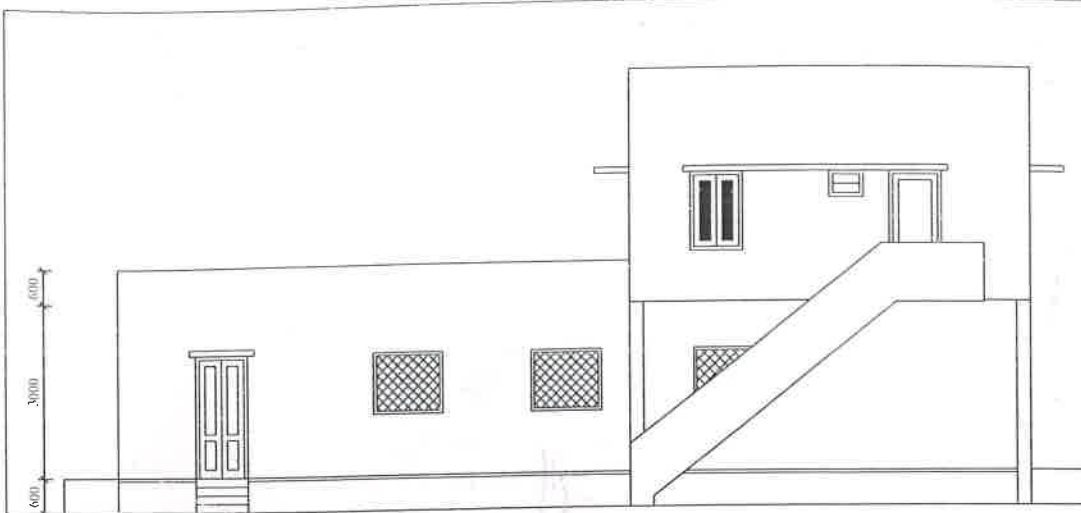
Sl. No.	Qty.	Description	Rate (CS sand)	Unit	Amount 2023-2024
68.2	8.00	Wiring with 1.5 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark confirming IS: 694:1990 for 5 amps 5 pin plug socket point @ Convenient Places.controlled by 6A Modular switch 1 Way.	1174.00	Each	9392.00
	18.00	Supply and delivery of 48" (1200 mm) Fan with ISI mark with Eletronic Dimmer	1552.70	Each	27948.60
	122.00	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	33306.00
	80.00	Run of 2 Wires of 2.5 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark confirming IS: 694:1990.	233.00	Rmt	18640.00
	30.00	4 x 4 Sq mm copper PVC insulated unsheathed single core cable for 3 phase EB service connection	276.00	Rmt	8280.00
	40.00	Run of 4 Wires of 6 sqmm PVC insulated single core multi strand	501.08	Rmt	20043.20
44.2		Rain water harvesting using defunct borewell and providing perforated cover slab			
	3.00	a). Providing pit (M30)	2102.77	Each	6308.31
	9.00	b) Augering 30cm dia	504.09	Rmt	4536.81
344.2	3.00	S&F of Bevelled edge mirror 500 x 400 x 5.5mm	398.30	Each	1194.90
87.1	8.00	Supplying and delivery of Three phase ELCB/RCCB	3092.00	Each	24736.00
	7.00	Supply of G.I pipe 40mm dia 'B' Class	165.00	Rmt	1155.00
	787.00	Plastic Emulsion PAINT including primer for outer walls (Two coat) Exterior	241.75	Sqm	190257.25
	628.00	Plastic Emulsion PAINT including primer for inner walls (Two coat)	240.20	Sqm	150845.60
	116.00	Providing Shahabad stone flooring, C.M 1:3, 20mm tk	1524.32	sqm	176821.12
	53.00	Vetrified Tiles flooring (Ivory)	1285.25	Sqm	68118.25
	14.00	Concrete designer tiles flooring	1515.17	Sqm	21212.38
	35.00	Granite Tiles flooring (Ruby red)	1024.57	Sqm	35859.95
	1.10	Supplying and fixing in position of UPVC Ventilator louvered ventilator type for all sizes PWD SR 2023-2024 p-66	8106.00	Sqm	8916.60
	10.00	Supplying and fixing in position of UPVC window of casement type(open) for all sizes SR 2023-2024 p-65	7482.00	Sqm	74820.00
		Supplying and fixing of solid core flush door shutter of thickness 35mm			
	22.10	i. door size 0.750 m x 2.100 (Single Leaf)	2611.00	Sqm	57703.10
		S & F of Granite Tile of size 4'x2', 18 to 20mm Thick For kitchen arrangements (jet black) C.M 1:3, 20mm tk			
	4.00	b. In First floor	1117.57	Sqm	4470.28

Sl. No.	Qty.	Description	Rate (CS sand)	Unit	Amount 2023-2024
		UPVC Non Pressure pipe of SN8 SDR 34 (S 16.5) as per IS 15328/2003			
	30.00	a. 110 mm UPVC Non Pressure pipe	490.96	Rmt	14728.80
	10.00	b. 160 mm UPVC Non Pressure pipe	815.54	Rmt	8155.40
	1.00	S & F of E.W.C.(White) 500 mm with PVC SWR grade "P" or "S" TRAP	7315.38	Each	7315.38
	10.00	S & F of 15mm dia half turn CP long body tap	495.00	Each	4950.00
	2.00	S & F of 15mm dia half turn CP short body tap	447.00	Each	894.00
	24.00	Supply and fixing of 9 watts LED bulb (PWD SR-2022- 23/p-115)	135.00	Each	3240.00
	43.00	Supply and fixing of 4' 18 watts LED Tube Light	705.00	Each	30315.00
	1.00	Supply and fixing of Bulk Head fitting suitable for 12W LED Bulb	530.00	Each	530.00
	8.00	Supply, fiing of 25W LED street light etc.,	3459.00	Each	27672.00
	30.00	Supplying and laying of 3.5 core 50 sq.mm PVC armoured LTUG cable (below GL) SD-206	678.00	RMT	20340.00
	30.00	S&F 3.5 X 50mm LTUG CABLE Above GL sd-224	561.00	RMT	16830.00
	2.00	Supplying and fixing of brass cable gland suitable for 3.5 core 50 Sqmm PVC armoured LTUG cable SD 188	439.00	Each	878.00
	1.00	Supply and fixing of 7 segment 8 way 63A TPN MCB sheet steel distribution board (Higher end) with metal / acrylic door cover flush type /surface type fitted with busbars and neutral links with single / three phase MCB outgoings etc., (PWD SR P 149/2023-2024)	6759.00	Each	6759.00
		Supplying, laying and jointing PVC Pipe of approved quality of following sizes including cutting threading and fixing PVC specials but excluding cost of such specials and fixing with necessary PVC Adhesive and earth work excavation and refilling etc., all complete and as directed by the departmental officers.(Below Ground level)			
	55.00	a) 50mm dia OD PVC Pipe 10kg / cm ²	362.30	Rmt	19926.50
	30.00	b) 25mm dia OD PVC Pipe 10Kg/ cm ²	245.60	Rmt	7368.00
	1.00	Supplying and delivery of Wet type lubricated submersible motor with multi stage pumpset as per ISI Specification.The Pumpset is suitable for AC single phase electric power the pumpset is suitable for Bore well etc.,all complete and as directed by the departmental officers. Motor : 5 HP, Multi Stage Suction and delivery pipe: 1 1/4" Delivery : 50x60	52520.00	Each	52520.00

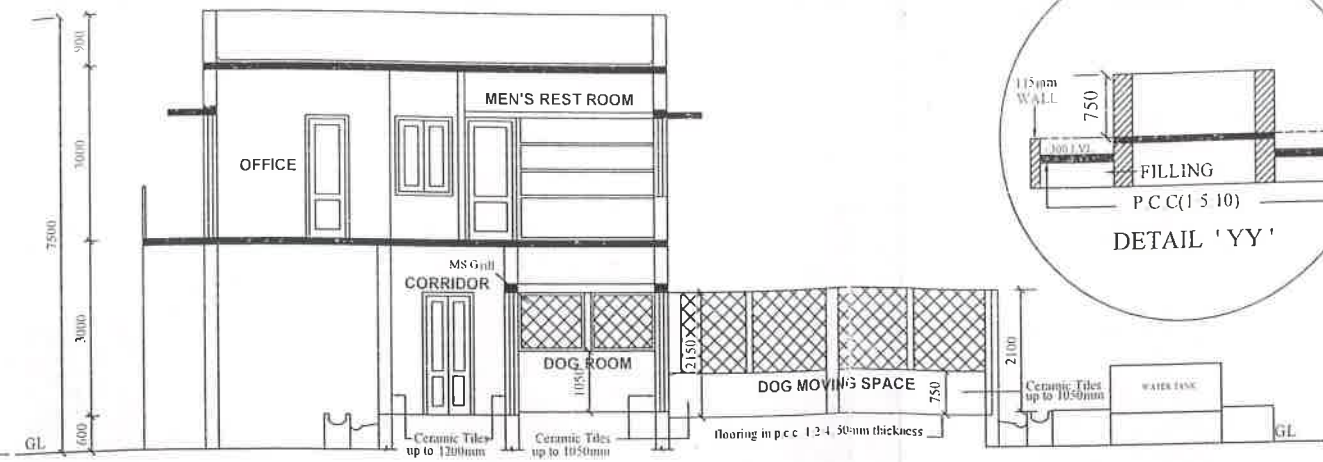
Sl. No.	Qty.	Description	Rate (CS sand)	Unit	Amount 2023-2024
	1.00	Supplying and delivery of Wet type lubricated submersible motor with multi stage pumpset as per ISI Specification. The Pumpset is suitable for AC single phase electric power the pumpset is suitable for sump etc., all complete and as directed by the departmental officers. Motor : 3 HP, 0.75KW/TSM30FZ, Delivery : 50x 25 Total head : 18m/26m, Suction and delivery pipe: 1 1/4"	35490.00	Each	35490.00
	210.00	Supplying and laying of 3 Core 2.5 Sq.mm Fire resistant flexible copper flat cable of approved quality with ISI Mark and confirming to IS Specifications including cost of cable conveyance and fixing charges etc., all complete and as directed by the departmental officers. (Above GL)	174.80	Rmt	36708.00
	60.00	Supplying and laying of 3 Core 2.5 Sq.mm Fire resistant flexible copper flat cable of approved quality with ISI Mark and confirming to IS Specifications including cost of cable conveyance and fixing charges etc., all complete and as directed by the departmental officers. (Below GL)	263.25	Rmt	15795.00
		Supplying and delivery and fixing of following dia GI/GM/PVC Pipes and specials with ISI Mark etc. all complete			
	5.00	a) 50mm dia PVC Bend(SR P100)	36.00	Each	180.00
	4.00	b) 50mm dia PVC FTA	35.00	Each	140.00
	4.00	c) 50mm dia PVC Coupling	14.25	Each	57.00
	3.00	d) 25mm dia PVC Bend	11.30	Each	33.90
	4.00	e) 50mm dia GI Coupling	69.80	Each	279.20
	1.00	f) 50mm dia GI Bend	116.30	Each	116.30
	4.00	g) 40mm dia PVC pipe 10 Kg/Sqcm	101.40	Each	405.60
	2.00	h) 40mm dia PVC Tee	28.75	Each	57.50
	3.00	i) 50mm dia GI Gun metal gate valve	1241.00	Each	3723.00
	1.00	j) 40mm dia PVC adopter set	750.00	Each	750.00
	1.00	h) 50mm dia PVC Tee	43.25	Each	43.25
	14.00	Supplying and fixing of plastic Name Board for all rooms with ISI Mark etc., all complete and as directed by the departmental officers.	400.00	Each	5600.00
		Supplying and fixing of following size of aluminium powder coated letters including labour charges for fixing in position cost and conveyance of all materials, scaffolding, TW plugs, Screws metal paste and fixing charges etc., all complete and as directed by the departmental officers.			
	16.00	a) 9" dia Aluminium powder coated letters	1179.00	Each	18864.00
	12.00	b) 6" dia Aluminium powder coated letters	748.00	Each	8976.00
	2.00	c) 15" Emblem (TNPHC)	12975.00	Each	25950.00

Sl. No.	Qty.	Description	Rate (CS sand)	Unit	Amount 2023-2024
	2.00	Supplying & Fixing of 32 Amps triple pole MCB (For UG Sump & Borewell)	2195.00	Each	4390.00
	1.00	Supplying and Fixing of MS fabricated DOL starter three phase panel control Board of wall mounting type with ISI mark with Ammeter, Voltmeter indicating lamps ON/OFF push button for bore well. 5 HP with necessary connections and three phase cum dry run preventer, relay suitable for the above including the wire for fixing sensor in all respects and as directed by the departmental officers. (For Bore well)	15573.00	Each	15573.00
	1.00	Supplying and Fixing of MS fabricated DOL starter single phase panel control Board of wall mounting type with ISI mark with Ammeter, Voltmeter indicating lamps ON/OFF push button for sump. 3 HP with necessary connections and Single phase cum dry run preventer, relay suitable for the above including the wire for fixing sensor in all respects and as directed by the departmental officers. (For Sump to OHT)	15147.00	Each	15147.00
		Supplying and fixing MCB including cost fully concealed suitable MS Box with necessary inter connection etc., all complete and as directed by the departmental officers.			
	20.00	a) Single Pole 6A to 32A 10 KA (SR P131)	174.00	Each	3480.00
	4.00	b) Double Pole DB MCB, 6A to 32A, 10KA (SR P131)	516.00	Each	2064.00
	210.00	Supplying, laying and fixing of 32mm dia "U" PVC Pipe for column pipe for Borewell etc.,	130.10	Rmt	27321.00
		Supplying and Fixing of PVC/GI pipes & specials with ISI mark approved quality etc., complete.			
	5.00	a) 50mm dia GI Pipe	209.00	Rmt	1045.00
	7.50	Supplying and Laying of RCC Hume pipe of size 300mm dia including casting curing transporting and fixing of position etc., SR P50	2250.00	Rmt	16875.00
		Labour charges for erection of the Submersible pumpset in borewell including fixing and joining etc.			
	1.00	a) For Borewell 5HP	11056.10	Each	11056.10
	1.00	b) For Sump 3HP	10876.80	Each	10876.80
	5.50	Providing T.W Single leaf individual shutters with locking arrangements for rest rooms cupboard/ward robes with 9mm thick BWR plywood for shutters. The all round frame made up of T.W scantling of 75mm X 37.50mm and the middle 2 Nos of styles and hand rails ISI mark. 2nos of 3" aluminium butt hinges, 1no of 4" ornamental handle lock & key arrangements 1no magnetic catcher inclusive all labour charges etc., all complete	5029.80	Sqm	27663.90
		Drilling of 150mm dia vertical bores hard rock area to any required depth by direct water mud circulation method using of contractor rig, tool, labour charges for drilling and water required etc.,			
	150.00	a) In over burden soil including labour charges for insertion of casing pipe line in bore well (Rate in Lr.No. F.251112 / Drilling rate / AE4 / CoM 2021 / Dt : 27.04.2022)	330.00	Rmt	49500.00

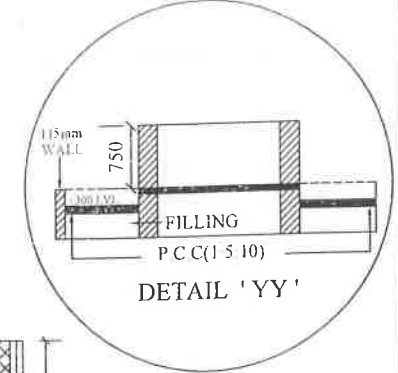
Sl. No.	Qty.	Description	Rate (CS sand)	Unit	Amount 2023-2024 ¹⁰
	60.00	b) Below casing pipe depth in bore well (Rate in Lr.No. F.251112 / Drilling rate / AE4 / CoM 2021 / Dt : 27.04.2022)	360.00	Rmt	21600.00
	18.00	Supplying and delivery and fixing of 160mm dia PVC casing pipe 6kg/cm ² of approved quality with ISI mark confirming to IS specification as per IS 12818/1992 for borewell etc.,(PWD SR P99)	644.50	Rmt	11601.00
	1.00	Supplying and fixing of 160mm dia end cap for borewell of best approved quality with ISImark ...,	104.50	Each	104.50
		Total			10205767.49



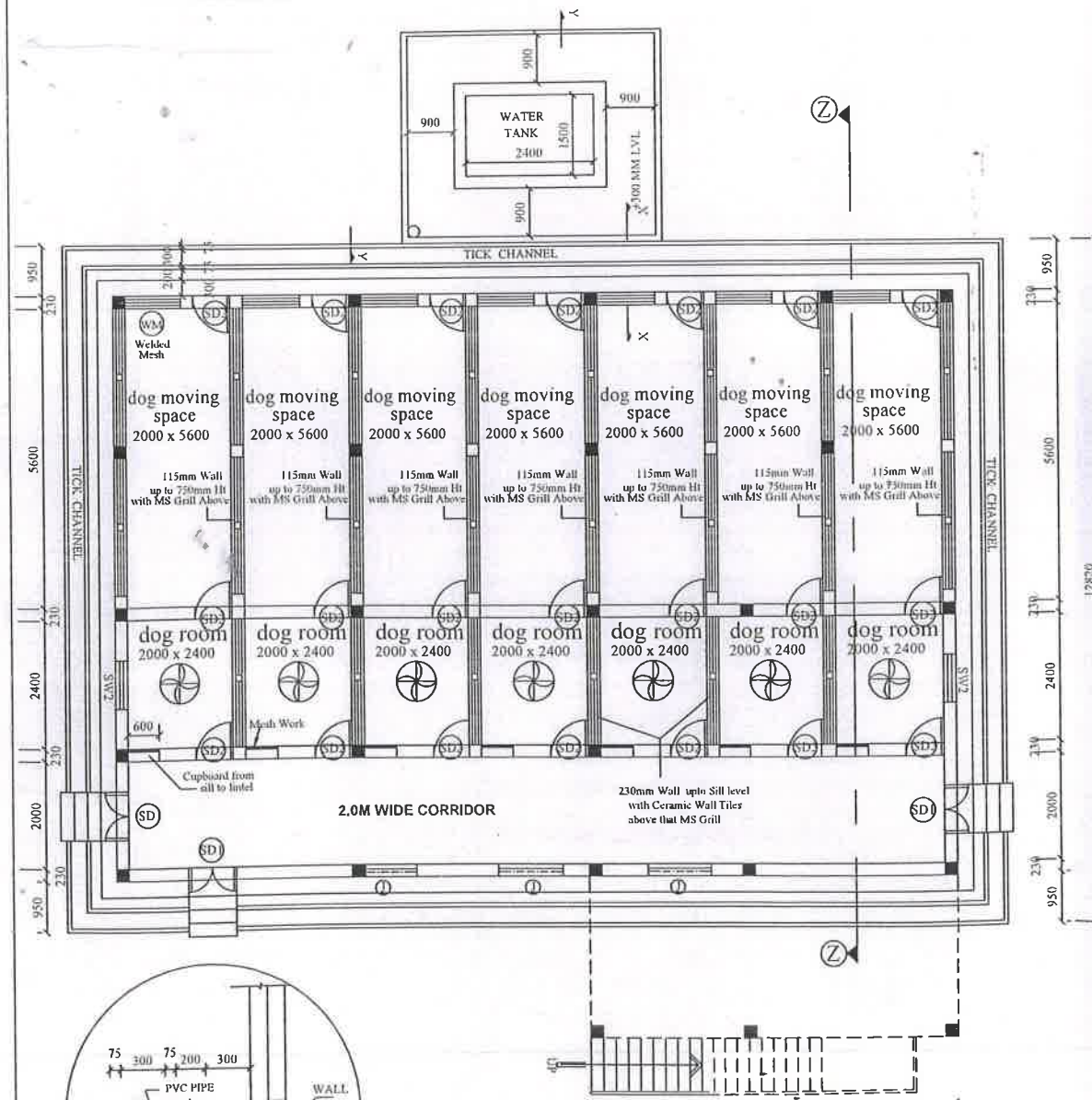
FRONT ELEVATION



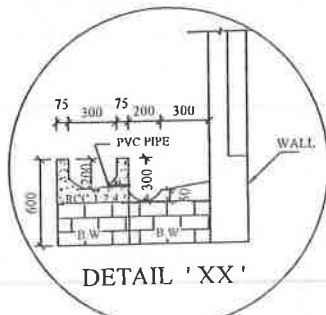
SECTION - 'Z Z'



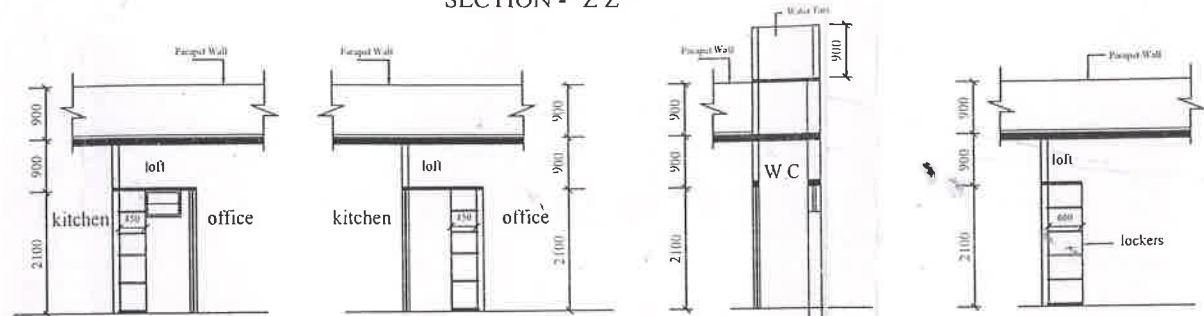
DETAIL 'YY'



GROUND FLOOR PLAN
DOG KENNEL BUILDING



DETAIL 'XX'

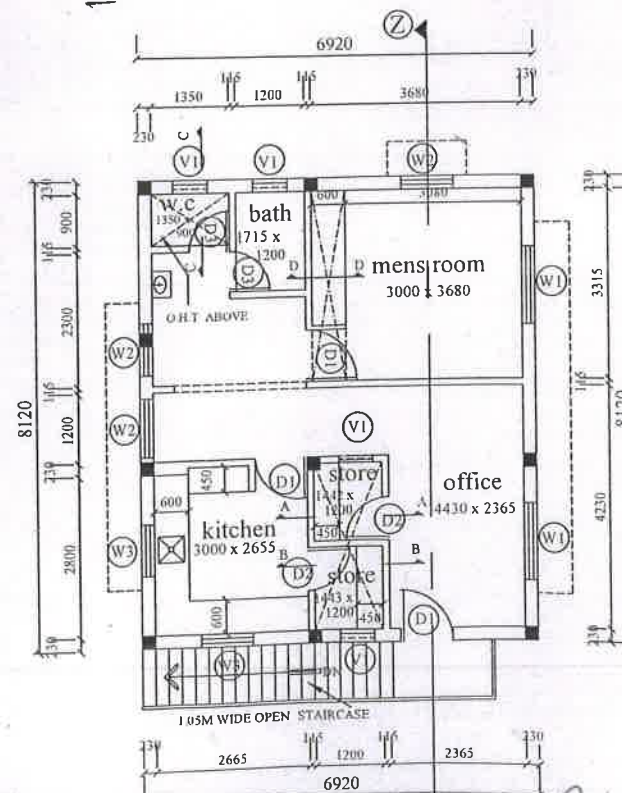


SECTION - 'A A'

SECTION - 'B B'

SECTION - 'C C'

SECTION - 'D D'



FIRST FLOOR PLAN
OFFICE BUILDING

JOINERY SCHEDULE		
SD1	STEEL DOOR	900 x 2100
SD2	STEEL DOOR	700 x 2100
SW2	STEEL WINDOW	900 x 1350
D	WOODEN DOOR	1200 x 2100
D1	WOODEN DOOR	900 x 2100
D2	WOODEN DOOR	750 x 2100
D3	PVC DOOR	700 x 2100
W1	WOODEN WINDOW	1350 x 1350
W2	WOODEN WINDOW	900 x 1350
W3	WOODEN WINDOW	900 x 1050
V1	WOODEN VENTILATOR	600 x 450
Fan - 7 Nos.		

DOG KENNEL for 7 DOGS

AREA STATEMENT

DOG KENNEL BUILDING	80.63 Sqm.
OFFICE BUILDING	56.19 Sqm.
TOTAL	136.82 Sqm.
DOG MOVING SPACE	92.35 Sqm.

Sd/ dt 18.06.07.	Sd/ dt 18.06.07.
Asst. Architect	Asst. Exe. Engineer (Arch. sec.)
Sd/ dt 18.06.07.	Sd/ dt 18.06.07.
Supdt. Engineer (H.Q.)	Chief Engineer
Scale - 1:100	Dr. No. DD/48/07

TAMILNADU POLICE HOUSING CORPORATION LTD.
NO.132, E.V.R. SALAI, KILPAUK
CHENNAI - 10

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

AE/PLg

SE/NC

