

Name of work: Estimate for Special repair works for existing 1no Ins, 2 no SI & 16 NO pc/hc Quarters at Vellothukulam in Thoothukudi district.

# ABSTRACT ESTIMATE

No	Qty	Description of work	Rate	Per	Amount
1		Dismantling & clearing away			
2	352.60	a) Pressed tiles & weathering course	39.70	sqm	13998.22
		PWD SR P-22/22-23			
3	13.10	b) Brick masonry in cement mortar walls up to 6.00 mt height	244.00	cum	3196.40
		PWD SR P-21/22-23			
4	12.10	c) Brick masonry in cement mortar upto 9.00 mt height	244.00	cum	2952.40
		PWD SR P-21/22-23			
5	10.80	c) Brick masonry in cement mortar upto 12.00 mt height	244.00	cum	2659.60
		PWD SR P-21/22-23			
6	41.10	d) Dismantling R.C.C	6380.00	cum	262218.00
		PWD SR P-22/22-23			
7	932.70	e) Floor finish and dadoing walls in CM with mosaic tiles / glazed tiles for cuddapah slabs	52.50	sqm	48966.75
		PWD SR P-22/22-23			
8	4516.00	f) Clean removal of cement plastered	7.30	sqm	32971.80
		PWD SR P-25/22-23			
		Form work			
9	321.40	g) plain surfaces such as roof slab, beam etc	905.40	sqm	290995.56
		Data	831.23	sqm	267157.32
10	61.60	h) for sunshades & small quantities	997.48	sqm	61444.72
		Data			
11	12.40	i) Providing and laying and position of m20 grade concrete in ground floor	7865.21	cum	97528.00
		Data			
12	13.40	j) In first floor	8089.01	cum	108392.73
		Data			
13	16.80	k) Second floor	8312.81	cum	139655.21
		Data			
14	2.30	l) In third floor	8536.61	cum	19634.70
		Data			

1090096.03

1090096.02

6.6.1	5	Brick work in C.M 1:5, Using kiln burnt brick of size 8.30x2.2x11x7cm in Foundation & basement	6476.15 cum	53752.05	
9.6.1	6	Brick work in C.M 1:6, Using kiln burnt brick of size 22x11x7cm	Data		
		2.60 m in ground floor	6473.47 cum	16844.73	16844.73
		11.10 m in first floor	6629.37 cum	73586.14	73586.14
		4.00 m in second floor	6780.27 cum	27121.08	27121.08
		6.00 m in third floor	6931.17 cum	41587.07	41587.07
10.6.1	7	Brick work partition wall in C.M 1:4, 110 mm thick,			
		38.40 m in foundation & basement	782.06 sqm	30054.14	30054.14
		38.00 m in ground floor	807.44 sqm	30053.82	30053.82
		42.00 m in first floor	807.49 sqm	34399.07	34399.07
		16.40 m in second floor	824.09 sqm	8570.54	8570.54
		4.10 m in third floor	840.69 sqm	3446.43	3446.43
1.6.1	8	Brick work partition wall in C.M 1:4, 70 mm thick,			
		4.50 m in ground floor	537.7 sqm	2419.65	2419.65
		9.50 m in first floor	548.26 sqm	5208.42	5208.42
		3.80 m in second floor	558.82 sqm	2123.52	2123.52
2	9	894.00 special ceiling plastering in C.M 1:3, 10 mm thick	273.93 sqm	244893.42	244893.42
10	10	1066.80 plastering in C.M 1:5, 12 mm thick	239.52 sqm	974079.94	974079.94
2	11	51.10 supplying and fixing of 5 mm thick pin headed glass	280.200 sqm	44978.22	44978.22
12	12	Wiring with 1.5 sqmm - OPEN WIRING			
		54.00 1) Light point with ceiling rose	895.00 point	48330.00	48330.00
		65.00 2) Light point with out ceiling rose	897.00 point	58305.00	58305.00

2781600.00

1691502.98



1.00	calling bell	Data	935.00	14025.00
		Data		
68.22	Wiring with 1.5 sqmm pvc insulated single core multistand fire retardant flexible copper cable 5 Amps pin plug socket point at convenient places ( open wiring)	690.00 point	17940.00	
		Data		
7.1.2	Wiring with 1.5 sqmm pvc insulated single core multistand fire retardant flexible copper cable 5 Amps pin plug socket point at board it self (open wiring)	835.00 point	21710.00	
		Data		
5.1.2	Wiring with 1.5 sqmm pvc insulated single core multistand fire retardant flexible copper cable for fan point (open wiring)	982.00 point	43208.00	
		Data		
12.00	Supplying and fixing T.W box of size covered with 3mm thick hylem sheet T.V /Telephone line socket	77.01 point	924.12	
		Data		
75.00	Supplying laying and concealing pvc pipe of 20 mm dia TV/Telephone etc.,	85.69 m	6426.75	
		Data		
1.80	Plain cement concrte 1:2:4 using 20 mm HBSJ	6315.90 cum	11368.62	
		Data		
27.60	Supplying and fixing of 20 mm precast slab cup board /wardrobes In ground floor	1408.12 sqm	38864.11	
		Data		
23.10	In first floor	1412.64 sqm	32631.98	
		Data		
12.90	In second floor	1417.16 sqm	18281.36	
		Data		
13.60	Precast slab 40 mm thick In foundation & basement	1550.55 sqm	21087.48	
		Data		
4.90	In ground floor	1555.14 sqm	7620.19	
		Data		
3.80	In first floor	1564.18 sqm	5943.88	
		Data		
2.70	In second floor	1573.22 sqm	4247.69	
		Data		
	Supplying and fixing of terracotta jolly ventilator 50 mm thick			

3025879.19

214279.18

✓	5.11.41	A) In G.F.	658.14	sqm	✓	8554.44
✓	4.40.07	B) in first floor	674.83		✓	2969.25
✓	2.20.07	C) in second floor	691.43		✓	1521.15
28.1	22	13.70 floor plastering in C.M 1:4, 20 mm thick	487.26	sqm	✓	6675.46
30	23	55.00 Ellis pattern flooring	430.44	sqm	✓	23674.20
34.1	24	44.20 plastering in C.M 1:4 12 mm thick	245.61	sqm	✓	10855.96
36.1	25	Plastering in C.M 1:5, 12 mm thick border	76.47	mt	✓	28905.66
		378.00 150 mm wide border	49.79	mt	✓	18755.89
		376.70 75 mm wide border	37.06	mt	✓	7901.19
		213.20 50 mm wide border	135.02	sqm	✓	19780.43
41.1	26	146.50 Painting the old iron work	153.77	sqm	✓	73748.09
40.1	27	479.60 Painting the old wood work	3325.00	sqm	✓	115377.50
21.5.2	28	34.70 supplying and fixing of upvc door	335.61	mt	✓	62457.02
44.6	29	186.10 S/F of 110 mm dia rain water down fall pipe Type -A	696.55	mt	✓	86163.24
58.3	30	S/F of SWR pipe	579.25	mt	✓	94707.38
		123.70 100 mm dia SWR PIPE	33.90	nos	✓	983.10
		163.50 75 mm dia SWR pipe	1552.70	nos	✓	62108.00
72	31	29.00 S/F of box type fan hook	571.00	nos	✓	22840.00
75.1.2	32	40.00 Supplying and fixing of ceiling fan 1200mm dia sweep	1329.22	sqm	✓	32313.38
74	33	40.00 Charges for fixing of fan	1170.80	sqm	✓	38753.48
29.8.1	34	Supplying and fixing of colour glazed tiles in C.M 1:3 for walls	87298.50	MT	✓	470364.32
29.9.1	35	33.10 supplying and fixing of ceramic tiles (anti skid)				
43.1	36	5.388 Supplying fabrication of MS/Rts steel rods				

4501108.33

145229.14



37	supplying and fixing of 25 watts LED street light fittings	3367.00 nos	57340.00
		Data	
38	80.00 S/F of 18 watts LED tube light fittings	640.00 nos	55200.00
		Data	
39	137.00 S/F of 9 watts LED bulb	135.00 nos	18495.00
		Data	
40	56.00 S/F of 12 watts LED bulb	170.00 nos	9520.00
		Data	
41	56.00 S/F of bulk head fittings suitable for 12 watts LED bulb	517.00 nos	28952.00
		Data	
42	Providing rainwater harvesting		20411.30
	10.00 a) Providing pit	2058.50 nos	20585.00
		Data	
	30.00 b) Augering pit	477.13 rmt	14313.90
		Data	
43	1045.00 Run off 2 wires of 1.5 sqmm	128.20 rmt	133969.00
		Data	
44	427.00 Run off 2 wires of 2.5 sqmm	146.60 rmt	62598.20
		Data	
45	22.70 S/F of BWR ply teak wood shutter	3566.18 sqm	80952.29
		Data	
46	22.00 S/F Of wash hand basin of size 550x400 mm	3255.82 nos	71628.04
		Data	
47	S/F of Indian water closet 580x440 mm)	3257.37 nos	22801.59
	7.00 In ground floor	Data	
48	S/F of Indian water close 580x440 mm)	5089.25 nos	60905.48
	12.00 In other than ground floor	Data	
49	3.00 S/F of European water closet	6906.2 nos	20718.60
		Data	
50	Supplying and fixing of half turn brass core CP short body tap	432.00 nos	9504.00
		Data	
51	Supplying and fixing of half turn brass core CP long body tap	480.00 nos	19680.00
		Data	
52	Supplying and Laying of SN 8 Pipe		
	48.00 a) 110 mm dia	472.38 rmt	22674.24
		Data	
	28.00 b) 160mm dia	796.61 rmt	22305.08
		Data	
53	26.90 Weathering course	3683.37 sqm	99082.65
		Data	
54	490.00 Laying of pressed tiles	1148.89 sqm	562956.10
		Data	
55	25.00 Supplying and fixing of 15 Amps power plug	150.00 nos	3750.00
		Data	

5292251.94

1143.61

58.4	56	20.00 Supplying and fixing of 50 mm dia pvc pipe	114.45 rmt	2987.11
12.11	57	Brick partition wall of 50mm thick 1.90 (0) in ground floor 2.70 (0) in first floor 1.35 (0) in second floor	389.78 sqm 497.31 sqm 404.88 sqm	350.82 350.86 1072.85 1072.79 546.62 546.59
796	58	Painting the new walls with two coats of plastic 1282.50 emulsion paint	292.41 sqm	285240.83
38.4	59	Painting the new walls with two coats of Oil bound 2973.80 distemper	119.41 sqm	355101.46
37.1	60	985.90 White washing three coats	43.03 sqm	42423.28
53.4	61	2.00 S/F of CI Manhole cover	1864.00 nos	3728.00
59.5	62	10.00 Supplying and fixing of stone ware gully trap	1906.35 nos	19063.50
272	63	Providing two legged scaffolding 40.30 (0) 3.00 mt height 53.70 (0) 5.50 mt height in addition to 2.50 mt height 113.30 (0) 8.00 mtr height 1n addition to 2.50 mtr	334.21 rmt 655.90 rmt 977.58 rmt	13469.07 35221.83 110759.81
379.5	64	Supplying and fixing of Granite slab for kitchen hearth slab (2'x1') 14.50 (0) in G.F 12.30 (0) in f.f 7.20 (0) in S.F	1098.89 sqm 1101.13 sqm 1103.37 sqm	15933.91 13543.90 7944.26
578.2	65	589.50 Supplying and fixing of vitrified tiles	1214.24 sqm	715794.48
52	66	Supplying and laying of pvc ASTM pipe 70.00 (0) 32 mm AST PIPE 450.00 (0) 25 mm ASTM pipe 95.00 (0) 20 mm ASTM pipe	243.38 rmt 225.77 rmt 220.98 rmt	18082.80 12036.60 101596.50 20993.10
50.6	67	45.00 Supplying and fixing of 50 mm pavement slab	398.16 sqm	17917.20

7675.3.28

420771.37



5457205

✓	supplying and fixing of Nahani trap	100.00	NO	✓	2880.00
✓	21/2m plastering with c.m 1:3, 12 mm fly WPC	254.30	sqm	✓	5603.16
✓	supplying and fixing of 700 litres capacity HDPE water tank	7015.00	NO	✓	42210.00
✓	supplying and fixing of 700 litres capacity HDPE water tank-top cover	300.00	NO	✓	3900.00
Total -I					7733116.44
provision for 1 no of septic tank					346512.00
Total -II					8079628.44
Add GST @ 18%					1454333.12
Total -III					9533961.56
L.S.Provision for drinking water supply and motor					200000.00
Total -IV					9733961.56
Labour welfare fund @ 1%					97339.62
Supervision chargrs @ 7.5%					730047.12
Contingencies @ 2.5%					242349.04
Total -V					10804697.34
					113451.70
					10805000.00
					1,06,74,800
					10,48,000

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EXECUTIVE ENGINEER  
TAMIL NADU POLICE HOUSING CORPORATION LTD  
TIRUNELVELI DIVISION

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