

TAMIL NADU POLICE HOUSING CORPORATION Limited

ABSTRACT

Name of Work : Construction of 1 No Bell of Arms and 1 No Admin Block building with development works for Tamil Nadu Special Police XII Bn at Sakkarakottai in Ramanathaapuram District Group-II

Sl. No.	Qty.	Description	Rate	Unit	Amount
1.1		Earth work excavation in all soils (including refilling)			
	4635.960	a. 0 to 2 mt.	134.60	Cum.	624000.22
	2166.920	b. 2 to 3 mt.	140.80	Cum.	305102.34
1.5		Earth work excavation for Open foundation (excluding refilling)			
	4523.400	a. 0 to 2 mt.	63.60	Cum.	287688.24
	53.800	b. 2 to 3 mt.	69.80	Cum.	3755.24
1.6		Earth work excavation for Open foundation for drains (excluding refilling) width upto 1.25 m			
	358.300	a. 0 to 2 mt.	95.40	Cum.	34181.82
2.1	2463.600	Filling sand	607.55	Cum.	1496760.18
2.2	252.000	Sand Gravel Mix	984.28	Cum.	248038.56
2.3	126.700	Supply and filling of 40 mm Brick jelly	716.60	Cum.	90793.22
2.6	9.600	Supply and filling of 40 mm HBSJ	1548.66	Cum.	14867.14
2.7	3.200	Supply and filling of 20 mm HBSJ	1912.66	Cum.	6120.51
3.1	2634.700	C.C.1:5:10 for Foundation & Basement	3555.77	Cum.	9368387.22
3.2	999.700	P.C.C. 1:2:4 for Foundation & Basement and other similar works	4958.40	Cum.	4956912.48
3.3	57.850	P.C.C. 1:8:16 using 20 mm broken brick jelly	2602.96	Cum.	150581.24
7.2	491.900	Supply and fixing of Bituminous filler pad, 20 mm tk. for expansion joint	666.00	Sqm.	327605.40
12.1		Brick partition in C.M. 1:4 using country bricks of size 22 x11x5cm 50 mm thick			
	16.500	a. In Ground Floor	277.72	Sqm.	4582.38
	7.000	b. In First Floor	282.24	Sqm.	1975.68
	7.000	c. In Second Floor	286.76	Sqm.	2007.32
21.2		Teak wood Wrought & Put up			
	2.642	a. T.W. over 2 m & below 3 m	114146.00	Cum.	301573.73

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61757142.86

Sl. No.	Qty.	Description	Rate	Unit	Amo
	1018	b 1 W below 2 m length	102442.00	Cum	104285
23.3	65.000	S&F of Magnetic door catches	52.00	Each	3380.00
25.0	350.000	M S Holdfast	9.60	Each	3360.00
26.0	178.490	Flooring in C.C. 1:5:10	3555.77	Cum.	634669.39
28.0	270.900	Floor plastering in C.M. 1:4, 20 mm tk.	303.08	Sqm.	82104.37
30.0	816.100	Ellis pattern	300.19	Sqm.	244985.06
31.0	9.600	Weathering course	2632.00	Cum.	25267.20
33.0	12867.200	Plastering in C.M. 1:5, 12 mm tk.	146.77	Sqm.	1888518.94
34.0	1293.880	Plastering in C.M. 1:4, 12 mm tk.	152.35	Sqm.	197122.62
35.0	3453.100	Spl. Ceiling plastering in C.M. 1:3, 10 mm tk.	169.70	Sqm.	585991.07
36.0		Cement mortar Border in C.M. 1:5, 12 mm tk.			
	448.900	a. 150 mm wide	45.50	Rmt	20424.95
	448.900	b. 75 mm wide	29.56	Rmt	13269.48
	448.900	c. 50 mm wide	21.99	Rmt	9871.31
37.1	3439.400	White washing 3 coats (slaked)	26.25	Sqm.	90284.25
39.0	12634.500	M.s Grills	53.60	Kg.	677209.20
40.0	250.700	Painting - New "wood work"	162.42	Sqm.	40718.69
41.0	2160.300	Painting - New "iron work"	96.93	Sqm.	209397.88
46.0	2.000	S & F 20 mm dia Alu. Hanger Rod	58.00	Rmt	116.00
47.0	17.000	S & F Alu Towel rail 75 cm long	95.00	Each	1615.00
48.0	6.000	S & F 5 pin Coat stand	55.00	Each	330.00
49.0	219.000	S & F chromium plated 8 guage Picture Hook	1.50	Each	328.50
50.2	3010.900	Providing precast Kerb stone in C.C. 1:3:6, 450 x 300 x 150 mm	201.65	Rmt	607147.99
50.3	35.000	Supply and planting avenue trees	297.50	Each	10412.50
50.4	35.000	Providing Tree guard	649.40	Each	22729.00
50.5	1.000	Supplying, Fabricating and erection of M.S Scheme Name board	13712.85	Each	13712.85
53.3	8.000	C.I. Steps (5 kg)	30.00	Each	240.00
55.2	6.000	Flat Back Urinal	1577.75	Each	9466.50

No	Qty.	Description	Rate	Unit	Amount
59.5	21.000	Gully Trap using Kila burnt country bricks 22 x 11 x 7 cm	1206.65	Each	25339.65
60.0	37.000	PVC Nahani trap (4way/2way)	129.20	Each	4780.40
61.2		Stoneware pipe dry condition			
	32.000	a. 100 mm dia	172.33	Rmt	5514.56
		Electrical arrangements			
72.0	107.000	Box type Fibre Fan hook	33.90	Each	3627.30
74.0	107.000	Charges for fixing of "Fan"	347.00	Each	37129.00
76.0	26.000	8 SWG wire	18.00	Rmt	468.00
77.3	36.000	S&F of TV/Telephone line Socket	75.00	Each	2700.00
77.4	178.000	S&F of 20mm dia PVC pipe for TV/Telephone line	58.07	Rmt	10336.46
78.0	4.000	Earthing Station IS3043 (Type I)	2020.00	Each	8080.00
86.0	1784.410	Anti termite treatment	34.00	Sqm.	60669.94
112.0	38.000	S & F of Exhaust Fan 300 mm dia	1705.00	Each	64790.00
238.0	216.145	Anticorrosive treatment for steel grills	3769.50	MT	814758.58
		ANNEXURE			
60 6-3	581.560	Brick work in C.M. 1:5 (F& B) using Fly ash bricks of size 23 x 11 x 7 cm	5016.42	Cum.	2917349.22
9.0		Brick work in C.M. 1:6 using Fly ash bricks of size 23 x 11 x 7 cm			
	425.200	a. In Ground Floor	4994.85	Cum.	2123810.22
	159.900	b. In First Floor	5085.15	Cum.	813115.49
	135.400	c. In Second Floor	5175.45	Cum.	700755.93
	16.400	c. In Third Floor	5265.75	Cum.	86358.30
10.0		Brick partition work in C.M. 1:4 using Fly ash bricks of size 23 x 11 x 7 cm 110 mm tk (B.P.)			
	888.700	a. Foundation & basement	619.46	Cum.	550514.10
	741.500	b. In Ground Floor	624.39	Cum.	462985.19
	350.300	c. In First Floor	634.32	Cum.	222202.30
	35.700	d. In Second Floor	644.25	Cum.	22999.73
	194.900	e. In Third Floor	654.18	Cum.	127499.68

Sl. No.	Qty.	Description	Rate	Unit	Am.
11.0		Brick work in C.M 14 using using Fly ash burnt bricks of size 23 x 11 x 7 cm 70 mm tk (B.P.)			
	106.000	a. In Ground Floor	417.96	Sqm	44303.76
	22.700	b. In First Floor	424.28	Sqm	9631.16
	26.500	d. In Second Floor	430.60	Sqm	11410.90
14.11		Precast cupboard slab 40 mm tk using standardised concrete mix M30 (annexure)			
	21.800	a. In Foundation & basement	973.97	Sqm.	21232.55
	34.600	b. In Ground floor	976.72	Sqm.	33794.51
	9.000	c. In First floor	982.13	Sqm.	8839.17
4.1.1		Standardised concrete Mix M30 Grade Concrete			
	912.300	a. In Foundation and basement	6284.53	Cum	5733376.72
	510.700	b. In Ground Floor	6352.53	Cum	3244237.07
	179.730	c. In First Floor	6486.53	Cum	1165824.04
	183.070	d. In Second Floor	6620.53	Cum	1212020.43
	16.600	e. In Third floor	6754.53	Cum	112125.20
35.5	81.340	Plastering with CM 1:3, 12mm with WPC	169.56	Sqm	13792.01
2.12	9998.200	Supplying and filling with gravel	703.40	Cum	7032733.88
18.1		Formwork using M.S. Sheet			
	2447.000	a. For Column footings, plinth beam, Grade beam, Raft beam, Raft slab etc.,	498.94	Sqm	1220906.18
	6051.000	b. Plain surfaces such as Roof slab, floor slab, Beams, lintels, lofts, sill slab, staircase, portico slab and other similar works	573.61	Sqm	3470914.11
	1464.100	c. For Square and rectangular columns and small quantities	688.33	Sqm	1007783.95
	1181.200	d. Vertical wall	630.97	Sqm	745301.76
	6.800	f. Curved surface	860.42	Sqm	5850.86
		TW panelled door shutter with brass screws			
	8.700	TW double leaves shutter of size with brass fittings a. 1800 x 2400mm	4706.03	Sqm	40942.46
21.5.2	31.600	Supply and Fixing Solid PVC door Shutter with frame	2670.00	Sqm	84372.00

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Sl. No.	Qty	Description	Rate	Unit	Amount
		Construction slab, 20 mm tk. G.C. (1.15 slab)			
10.7	100	a. Ground floor	451.50	Sqm	45150.00
32	400	b. In First floor	454.24	Sqm	18169.60
37	800	c. In Second floor	456.92	Sqm	36553.60
29.8	300	Glazed tiles using Grout (Tile Joint Filler)	938.31	Sqm	281493.00
29.9	111	Floor ceramic tiles (Anti-skid) using Grout (Tile Joint Filler)	834.88	Sqm	93671.68
38.8	5983	One coat white cement for new walls and other similar works	36.99	Sqm	221345.51
50.6	424	Precast slab 50 mm tk in C.C. 1:3:6 with fibre	301.89	Sqm	128202.96
52.4	160	20mm dia PVC water supply ASTM pipe (fully concealed in walls)	149.81	Rmt	24002.56
53.4	4	S&F of C.I Manhole cover 60 x 60 cm (50kg weight)	1725.00	Each	6900.00
	19	Wash Hand Basin of size 550 x 400 mm	2528.82	Each	48048.58
58.3		PVC SWR pipe (Soil line) with ISI mark - type 'B'.			
	159	a. 110 mm dia	518.65	Rmt	82517.22
	164	b. 75 mm dia	406.75	Rmt	66930.71
58.4	38	Supplying, Laying & Concealing the 50mm dia PVC (SWR) pipe with ISI mark type - 'B' with relevant specials.	81.20	Rmt	2923.20
58.5	2	PVC(SWR) pipe with ISI mark - type 'A' for Ventilating shaft with cowl	439.40	Each	878.80
15.2	107	Supply and delivery of 48" (1200 mm) Fan with ISI mark with Eletronic Dimmer	1238.30	Each	132498.10
77.5	336	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	141.00	Rmt	47376.00
150.5	1140	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	186.00	Rmt	212040.00
158.4	210	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	155.00	Rmt	32550.00
44.2		Rain water harvesting using defunct borewell and providing perforated cover slab			
	20	a. Providing pit	1336.70	Each	26734.00

Water Building
works for
Maximum

Sl. No.	Qty.	Description	Rate	Unit	Amount
	60.000	b) Augering 30cm dia	325.68	Rmt	19540.80
344.2	19.000	S&F of Bevelled edge mirror 500 x 400 x 5.5mm	355.00	Each	6745.00
238.1	12.000	Anticorrosive treatment for window grills	2010.25	MT	24123.00
171.2	2.000	Supplying and fixing of 32 AMPS Triple pole main switch	1340.00	Each	2680.00
79.8	2.000	3 Nos. of 32Amps - Fuse Unit	600.00	Each	1200.00
87	7.000	Supplying and delivery of Three phase ELCB/RCCB	2695.00	Each	18865.00
78.3	4.000	Supply of G.I pipe 40mm dia 'B' Class	155.00	Rmt	620.00
1344.900		Plastic Emulsion PAINT including primer for outer walls 207.3.1	151.87	Sqm	204249.96
5983.930		Two coat of OBD over one coat white cement for inner walls	75.46	Sqm	451547.36
366.4.1	22.500	Providing wooden Melamine polish for new wood work	997.28	Sqm	22438.80
361.2.1	1873.600	Vitrified Tiles flooring (ivory)	910.04	Sqm	1705050.94
359.2	105.000	Concrete designer tiles flooring	1057.72	Sqm	111060.60
832.5.3	3.300	Supplying and fixing in position of UPVC Ventilator louvered ventilator type for all sizes Revised SR 2018-19 p-57 it-192	6500.00	Sqm	21450.00
832.5.2	242.800	Supplying and fixing in position of UPVC window of casement type (open) for all sizes Revised SR 2018-19 p-57 it-191	6000.00	Sqm	1456800.00
113.1	25.000	Supplying and Fixing of Rolling shutters of all sizes (Gear Operated) (from 8m2 to 12m2) Annex-Vi-P-45 rev SR 18-19 item -102-A-b	2240.00	Sqm	56000.00
		Supplying and fixing of solid core flush door shutter of thickness 35mm			
	12.600	a. door size 1.200m x 2.100 (Double leaf) 21.6.5.1.9	3016.92	Sqm	38013.19
	50.400	c. door size 1.000 m x 2.100 (Single Leaf)	2761.73	Sqm	139191.19
90.2	1803.900	Providing additional strutting to centering of plain surface.	24.89	Sqm	44899.07
54.1.2	47.000	S & F of 15mm dia Engineering Polymer Tap (long body) for coastal area only	185.00	Each	8695.00
54.2.2	33.000	S & F of 15mm dia Engineering Polymer Tap short body tap for coastal area only	174.00	Each	5742.00
31.1	1861.700	Finishing the top of Terrace floor with one course of solar reflective Ceramic tiles without base concrete	1022.48	Sqm.	1903551.02
		UPVC Non Pressure pipe of SN8 SDR 34 (S 16.5) as per IS 15328/2003			
	90.600	a. 110 mm UPVC Non Pressure pipe	336.42	Rmt	30479.65

Sl. No.	Qty.	Description	Rate	Unit	Amount
	92.840	b. 160 mm UPVC Non Pressure pipe	597.93	Rmt	55511.82
56-3-1	6.000	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.	2314.84	Each	13889.04
56-4	4.000	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.	3606.09	Each	14424.36
57-1-1	8.000	S & F of E.W.C.(White) 500 mm with PVC SWR grade "P" or "S" TRAP	5127.80	Each	41022.40
		Wiring with 1.5 sqmm PVC insulated single core multi strand fire retardant flexible copper cable with ISI mark confirming IS: 694:1990. (PVC Box , Fire Retarded Box) For Coastal only			
64-1-2a	272.000	a. Light point with ceiling rose	1075.00	Each	292400.00
b	119.000	b. Light point without ceiling rose	1078.00	Each	128282.00
c	16.000	c. Calling bell point with Buzzer/Calling bell	1107.00	Each	17712.00
102	107.000	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)	1125.00	Each	120375.00
102-1	8.000	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)	1983.00	Each	15864.00
67.1	64.000	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	540.00	Each	34560.00
(+)	43.000	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)	758.00	Each	32594.00
(+)	28.000	Supplying and fixing of 15 Amps 3 pin flush type plug using (PVC Box , Fire Retarded Box)	128.98	Each	3611.44
(+)	216.145	Supply & Fabrication of Mild steel / RTS grills (without cement slurry) for all sizes of rods.(BINDING WIRE insulated with PVC)	62159.30	MT	13435421.90
42-1	360.800	PVC SWR 110 mm dia with ISI mark type- A for Rain water down fall pipe(UPVC SPECIAL CLAMP)	279.36	Rmt	100793.09
12-1-2		Supply ,laying & jointing the following pipes as per ASTM D 1785 of schedule 40 with UPVC Specials			

Sl. No	Qty	Description	Rate	Unit	Amou.
	146.040	a. 32 mm dia	168.56	Rmt	24636.56
	326.820	b. 25 mm dia	152.60	Rmt	49872.73
45.2	3908.000	Providing Colour Marble chips of size 10mm and below using 70 20Kgs of cement and 15 cum of Colour Marble chips for every 10 sqm over the existing plastered surface (For coastal area)	254.31	Sqm	993843.48
44.1	411.000	Augering 30 cm dia at 3m depth for compound wall	659.68	Rmt	271128.48
		Total			81454643.05

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