

TAMIL NADU POLICE HOUSING CORPORATION LIMITED, MADURAI DIVISION

NAME OF WORK: Special repair works to 42 nos PC /HC Qtrs (M,N,O,P Block) at TSP VI Battalion Campus /Madurai in Madurai District for the Year 2022-2023

ABSTRACT

S.No	Description of work	Qty	Rate	Per	Amount
300.3	Clean removal of cement plaster from walls, ceiling 6.65 x 110%	417.10	7.32	Sqm	3053.17
300.2	Dismantling of Lime Concrete 2.78 x 110%	9.20	305.80	Cum	2813.36
300.6	Chipping of concrete and roughening the surface 31.70 x 110%	878.80	34.87	Sqm	30643.76
300.4	Dismantling the one Course of Pressed tile roof finish in cement mortar 20 x 110%	386.40	22.00	Sqm	8500.80
302.15	Finishing the top of terrace floor with one course of pressed tiles	386.40	1148.63	Sqm	443830.63
306	Finishing the top of flooring with C.M(1:3), 20mm thick (Ellis pattern)	36.00	426.95	Sqm	15370.20
337.1	Plastering with CM 1:5, 12mm thick	190.00	239.36	Sqm	45478.40
358.2	Spl. Ceiling plastering in C.M. 1:3, 10 mm tk.	227.10	274.19	Sqm	62268.55
362.9	Supplying & Fixing of Terracotta Jally (Not Below 50mm Thick) of Best Quality and Fixing in Position with Cement Paste and Redoxide Putty Including Cost of all Floor(The Terra Cotta Jally Quality and Design Shall be Got Approved By The Departmental Officers(a) In G.F	14.40	483.74	Sqm	6965.86
364.1	Precast Jally ventilator 50mm tk using standardised concrete mix M20	3.30	2811.62	Sqm	9278.35
	a. In Ground Floor	3.30	2820.04	Sqm	9306.13
	b. In First floor	3.30	2828.46	Sqm	9333.92
	c. In Second floor	3.30	62.60	kg	9014.40
373	Supplying and fixing of Steel Ladder	144.00	62.60	kg	9014.40
312	Two legged scaffolding arrangements using 15cm dia casurna props				
	a) Intial height for 3m Height	156.00	334.28	Rmt	52147.68
	b) 5.5m height in addition of 2.5m ht	56.00	656.02	Rmt	36737.12
	c) 8m height in addition of 2.5m ht	56.00	977.76	Rmt	54754.56

with angle with one coat of prime
The quality of

799496.88

S.No	Description of work	Qty	Rate	Per	Amount
52.4 ³	Supplying and fixing of ASTM pipes c) 20mm dia	✓ 240.00	221.55	Rmt	✓ 53172.00
52.4 ³	Supplying and Fixing of PVC SWR pipe (Soil line) with ISI mark - type 'B'. a. 110 mm dia.	✓ 110.00	692.50	Rmt	✓ 76175.00
	b. 75 mm dia.	✓ 140.00	576.63	Rmt	✓ 80728.20
44.6	Supplying and Fixing of PVC SWR 110 mm dia with ISI mark type- A for Rain water down fall pipe	✓ 80.00	334.19	Rmt	✓ 26735.20
52	Supplying and fixing of ASTM pipes a) 32mm dia	✓ 84.00	241.57	Rmt	✓ 20291.88
	b) 25mm dia	✓ 144.00	224.34	Rmt	✓ 32304.96
51.17	Supplying and fixing of PVC water tank 700 litres (3 layer white colour)	✓ 13.00	6720.00	Nos	✓ 87360.00
18 134.1	Supplying of U PVC ball valve with one side compression end and other side female end as per ISO 4422-4 and Tested as per BS 6920 in WRC-NSF LTD, UK, size : 20mm ODX 1/2" ID, 25mm ODX 1/2" ID and 32mm OD X 3/4" ID				
	(b) 25mm (3/4") size	✓ 30.00	150.00	Nos	4500.00
	(c) 32mm (3/4") size	✓ 15.00	178.00	Nos	2670.00
56.32	Supplying & fixing of Indian Water closet white glazed (Oriya type) of size 580 x 440mm - in G.F.	✓ 10.00	3240.58	Nos	✓ 32405.80
56.4.2	Supplying & fixing of Indian Water closet white glazed (Oriya type) of size 580 x 440mm - Other than G.F.	✓ 20.00	5019.44	Nos	✓ 100388.80
54.21	Supplying and fixing of 15mm dia half turn CP long body tap	✓ 60.00	480.00	Nos	✓ 28800.00
54.22	Supplying and fixing of 15mm dia half turn CP short body tap	✓ 30.00	432.00	Nos	✓ 12960.00
62.4	Supplying and fixing of PVC Nahani trap (4way/2way)	✓ 60.00	152.60	Nos	✓ 9156.00
29.9.1	Supplying and Fixing of Floor ceramic tiles (Anti-skid) using Grout (Tile Joint Filler)	✓ 115.40	1155.72	Sqm	✓ 133370.09
29.8.5	Supplying and Fixing of Glazed tiles using Grout (Tile Joint Filler)	✓ 395.20	1313.87	Sqm	✓ 519241.42
37.26	Supplying and fixing of vertified tile flooring (Ivory) CM 1:3	✓ 918.00	1213.68	Sqm	1114158.24
37.27	White washing three coats	✓ 162.50	43.02	Sqm	✓ 6990.75

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S.No	Description of work	Qty	Rate	Per	Amount
28	White washing two coats for old ceiling	1071.70	35.90	Sqm	38474.93 38473.39
29	Painting with two coats of Oil Bound Distemper	7064.30	123.39	Sqm	871663.98 871685.17
30	Painting with one coat of old wood work	791.60	94.14	Sqm	74521.22
31	Painting with one coat of old iron work	136.10	86.97	Sqm	11836.62
32	Painting with two coats of Plastic Emulsion Paint including primer for outer new walls	237.10	222.05	Sqm	52648.06
33	Painting with old walls two coats of Plastic Emulsion Paint	2486.30	158.95	Sqm	395197.39
34	Painting with Two coat enamel paint for new Iron work	7.20	133.44	Sqm	960.77
35	Supplying and fixing 4mm thick pin headed glass	25.90	726.70	Sqm	18821.53
36	Run of 2 Wires of 1.5 sqmm PVC insulated single core copper cable insert into existing concealed PVC Pipe	135.00	95.51	Rmt	12893.85
37	Run of 2 Wires of 2.5 sqmm PVC insulated single core copper cable insert into existing concealed PVC Pipe	270.00	113.98	Rmt	30774.40
38	Run of 2 Wires of 4.0 sqmm PVC insulated single core copper cable insert into existing concealed PVC Pipe	360.00	151.98	Rmt	54712.80 54714.00
39	Supply and delivery of 48" (1200 mm) Fan with ISI mark with Eletronic Dimmer	60.00	1438.00 1437.40	Nos	86280.00 86244.00
40	Charges for fixing of "Ceiling Fan"	60.00	520.80	Nos	31248.00
41	Supplying and Fixing of 4' 18W Crystal Glass LED Tube Light fittings	108.00	666.00 660.19	Nos	71928.00 71300.52
42	Supplying and Fixing of 9 Watts LED bulb	90.00	134.00	Nos	12060.00
43	Supply and fixing of 15 watts LED bulb	39.00	268.00	Nos	10452.00
44	Supply and fixing of Bulk Head fitting suitable for 15W LED Bulb	39.00	486.50	Nos	18973.50
45	Supplying and Fixing of 16 Amps Porcelain Fuse Unit (500V)	33.00	47.60	Nos	1570.80

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S.No	Description of work	Qty	Rate	Per	Amount
79.246	Supplying and Fixing of 32 Amps Porcelain Fuse Unit (500V)	59.00	84.40	Nos	4979.60
67.12 47	Wirng with 1.5 sqmm copper PVC insulated unsheathed single core 1.1 KV grade cable with continuous earth by means of 1.5 sqmm copper PVC insulated unsheathed single core 1.1 KV grade cable confirming to IS 694 / 1980 with ISI mark in existing fully concealed PVC rigid conduit pipe heavy duty with ISI mark with existing MS Switch box covered with new 3mm thick laminated hylem sheet for 5 amps 5 pin PLUG SOCKET POINT AT SWITCH BOARD ITSELF including citcuit mains, cost of all materials, specials, etc., all complete, observe date	60.00	477.69	point	28661.40
68.22 48	Wirng with 1.5 sqmm copper PVC insulated unsheathed single core 1.1 KV grade cable with continuous earth by means of 1.5 sqmm copper PVC insulated unsheathed single core 1.1 KV grade cable confirming to IS 694 / 1980 with ISI mark in existing fully concealed PVC rigid conduit pipe heavy duty with ISI mark with existing MS box of 16g thick covered with new 3mm thick laminated hylem sheet for 5 amps 5 pin PLUG SOCKET POINT AT CONVENIENT PLACES including citcuit mains, cost of all materials, specials, etc., all complete,	90.00	662.19	point	59597.40
65.12 49	Wirng with 1.5 sqmm copper PVC insulated unsheathed single core 1.1 KV grade cable with continuous earth by means of 1.5 sqmm copper PVC insulated unsheathed single core 1.1 KV grade cable confirming to IS 694 / 1980 with ISI mark in existing fully concealed PVC rigid conduit pipe heavy duty with ISI mark with existing MS box and covered with new 3mm thick laminated hylem sheet for FAN POINT controlled by 5 amps flush type switch including citcuit mains, cost of all materials, specials, etc., all complete. Copenusing	60.00	890.51	point	53430.60
69 50	Supplying and fixing of 15 Amps 3 pin flush type plug	30.00	138.70	Nos	4161.00
109	Supplying and fixing of 63 amps two pole MCB isolators	30.00	326.00 196.00	Nos	9780.00 14880.00

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S.No	Description of work	Qty	Rate	Per	Amount
52	wiring with 1.5 sqmm copper PVC insulated unsheathed single core 1.1 KV grade cable with continuous earth by means of 1.5 sqmm copper PVC insulated unsheathed single core 1.1 KV grade cable confirming to IS 694 / 1980 with ISI mark in existing fully concealed PVC rigid conduit pipe heavy duty with ISI mark with existing MS Switch box covered with new 3mm thick laminated hylem sheet and controlled by 5 amps flush type switch including circuit mains, cost of all materials, specials, etc., all complete				
	a. Light point with ceiling rose	128.00	867.94	Point	111096.32
	b. Light point without ceiling rose	129.00	872.94	Point	112609.26
	c. Calling bell point with Buzzer/Calling bell	30.00	749.95	Point	22498.50
53	Supplying of Miniature circuit breakers 240 v / 415v 50hz - ac supply suitable for				
110	(e) Double Pole 6A to 32A, 10KA	30.00	511.00	Nos	15330.00
54	Service Connection Accessories L.T. 1100v Pvc Aluminium Armoured Under				
114	(a) Supplying of 3.5 core 50 sq.mm. PVC Armoured Aluminium UG Cable	75.00	314.70	Rmt	23602.50
117	Supplying of Cable Gland suitable for 3.5 core 50 sq.mm. UG Cable	9.00	61.10	Nos	549.90
124	Supplying of 50 mm diameter GI Pipes "B" Class	75.00	209.00	Rmt	15675.00
125	Supplying of Following GI Specials				
	(a) 50mm dia GI Bend (PWD SR 2021-22)	3.00	116.30	Nos	348.90
	(b) 50mm dia GI coupling (PWD SR 2021-22)	12.00	69.80	Nos	837.60
58	Laying of U.G. Cable below Ground Level	51.00	245.46	Rmt	12518.46
59	Fixing of UG cables on Walls / Ceiling	30.00	150.70	Rmt	4521.00
60	8 SWG wire	30.00	23.80	Rmt	714.00
61	Earthing Station IS3043 (Type I)	3.00	2746.00	Nos	8238.00
62	Supplying and fixing of 30W LED Street Light Fitting with LED(higher end)	16.00	4510.00	Nos	72160.00
63	Supplying and fixing of 48W LED Street Light Fitting with LED(higher end)	4.00	6951.00	Nos	27804.00
64	Supplying of PVC Water tank Cover	17.00	350.00	Nos	5950.00

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S.No	Description of work	Qty	Rate	Per	Amount
1165	Earth work excavation in all soil and sub soil to the required depth (Including Refilling)				
	a) 0 to 2 m depth	26.70	224.84	Cum	6003.23
31166	P.C.C. 1:5:10 using 40mm HBSJ for Foundation etc all complete	1.40	4659.77	Cum	6523.68
6767	Brick work in C.M. 1:5 using Fly ash bricks bricks in foundation and basement	22.30	6644.11	Cum	148163.65
107178	Brick Partition wall in C.M. 1:4 70mm tk using Fly ash bricks etc all complete	110 mm	837.36		8541.07
	a) In-Foundation & Basement	10.20	837.36	Sqm	8541.07
339	Plastering in C.M 1:5-12 mm thick	112.00	239.36	Sqm	26808.32
340	Plastering in C.M 1:4-12 mm thick	82.70	245.37	Sqm	20292.10
287	Plastering in C.M 1:4-20 mm thick	15.80	486.90	Sqm	7693.02
14272	Precast cupboard slab 40 mm tk using standardised concrete mix M20 (annexure)				
	a. In Foundation & basement	18.95	1546.27	Sqm	29301.82
4313	Fabrication of Mild steel / RTS grills (without cement slurry) for all sizes of rods.	0.11	81012.50	M.T	8911.38
6114	Supplying and Laying and Jointing SN8 UPVC Pipe and Specials below G.L				
	(b) 160mm DIA UPVC Pipe Below G.L	153.00	770.06	Rmt	117819.18
	Bore Well				
13275	Drilling of 160 mm (6") dia deep borewell in hard sedimentary rock except clay to the required depth as may directed by the departmental officers etc..	270.00	295.00	Rmt	79650.00
13376	Supply and Erection of 6" -150 mm diameter-casing pipe as per IS-12818/2010 including labour charges for erection of pipe inside the borewell etc..	30.00	618.00	Rmt (TWAD SR 2021-2022)p-278	18540.00
13477	Supply and Fixing of 6" dia PVC End cap for covering the borewell etc..	1.00	137.50	Nos (TWAD SR 2021-2022)	137.50

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S.No	Description of work	Qty	Rate	Per	Amount
	EXTERNAL WATER SUPPLY				
78	Supply and Delivery of 5 HP Submersible Pumpset for Bore well (50x250)	1.00	52000.00	Nos (PWD SR-2021-22)p-105	52000.00
79	Labour charges for the erection of submersible pumpset in borewell/openwell 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 (131) into 5 UB	1.00	10051.10	Nos (TWAD SR 2021-2022),p.no.287	10051.10
80	Supply and delivery of direct online starter conforming to IS13947, IEC60947-1 and as amended thereafter with suitable KW rating for operation in AC/Three Phase/50HZ($\pm 5\%$) and 415 V($\pm 10\%$) including Ammeter, Voltmeter, Thermal Overload relay, 16 Amps 2 pole Magnetic Contactor with under Voltage protection, Indication lamp, starting capacitor, running capacitor and On/Off Push button switches, 5 way connector, wiring with 1 sq. mm/1.5 sq. mm copper PVC insulated cable, powder coated vermin proof box including the capacitor (the cost of capacitor is to be taken separately).	1.00	14492.00	Nos(TWAD SR 2021-2022,p.no.111)	14492.00
81	Supply and Delivery of 32 mm UPVC Column pipe	260.00	124.00	Rmt (TWAD SR 2021-2022,p.no.24)	32240.00
82	Supply and Delivery of 32mm dia UPVC pipe	20.00	114.80	Rmt (PWD SR-2021-22)p-106	2296.00
83	Supply and Delivery of 50mm dia UPVC pipe	45.00	175.50	Rmt (PWD SR-2021-22)p-106	7897.50

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S.No	Description of work	Qty	Rate	Per	Amount
125	84 Labour Charges for laying of UPVC pipe Below Ground Level	65.00	87.39	Rmt	5680.35
123	85 Supply and Laying of PVC Insulated 3 core flat type copper cable conforming to IS 694/1990 etc.,				
	a. 4 sq.mm	280.72	186.00	Rmt (TWAD SR 2021-2022,p.no.44)	52213.92
127	86 Supply and Delivery of Nylon Rope 15m / kg of approved superior Quality for Submersible pumpset in borewell etc.,	270.00	61.20	Rmt (PWD SR-2021-22)p-105	16524.00
124	87 Supply and Delivery of "B" Class GI pipes confirming to IS specification 1279 with subsequent amendments with ISI mark at site of work etc.,				
	(a). 25 mm diameter	20.00	128.00	Rmt (PWD SR-2021-22)p-45	2560.00
124	88 Labour charges for laying of 25mm dia "B" Class GI pipes Below Ground Level	20.00	94.20	Rmt	1884.00
122	89 Supplying and Fixing of following dia of GI Specials with ISI mark etc.,				
	c (a). 25 mm dia GI Coupling	5.00	28.60	Nos PWD SR-2021-22)p-47	143.00
	d (b). 25 mm dia GI Bend	2.00	52.00	Nos PWD SR-2021-22)p-46	104.00
	e (c). 25 mm dia GI Elbow	2.00	58.10	Nos PWD SR-2021-22)p-46	116.20
	f (g). 32 mm dia GI Hex Nipple	2.00	58.10	Nos PWD (TWAD SR 2021-2022,p.no.44)	116.20
	g (h). 32 mm dia GI Union	3.00	127.50	Nos PWD SR-2021-22)p-46	382.50
	h (I). 50mm x 32mm dia GI Reducer	4.00	129.00	Nos (TWAD SR 2021-2022,p.no.44)	516.00
90	Supplying and Fixing of following dia of GI, GM, Specials with ISI mark etc.,				

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S.No	Description of work	Qty	Rate	Per	Amount
1	(a) 50mm dia GM Non Return Valve	1.00	2082.00	Nos (TWAD SR 2021- 2022,p.no.45)	2082.00
2	(b) 32mm dia GM gate Valve	1.00	753.00	Nos (TWAD SR 2021- 2022,p.no.45)	753.00
126.1	(c) 40mm dia MS Clamp Set	1.00	193.00	Nos (TWAD SR 2021- 2022,p.no.44)	193.00
	Sub Total - I		6207544.48		6207560.76
	GST @ 12%		744905.34		744907.29
	Sub Total - II		6952449.82		6952468.05
	Labour Welfare Fund @ 1%		62075.44		62075.61
	Contingencies ,Unforeseen items& Petty Supervision Charges	L.S	99341.00		155189.02
	Supervision Charges @ 7.5%		521433.74		465567.06
	Grand Total		7635300.00		7635300.00
		Say	76.35	Lakhs	76,35,300/-

S. Jayal

18/7/2022

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18/7/22
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