

## TAMIL NADU POLICE HOUSING CORPORATION LIMITED, MADURAI DIVISION

NAME OF WORK: Special repair works for 144 PC/HC Unoccupied Quarters- Block A & L at TSP VI Battalion Campus /Madurai in Madurai District for the Year 2022-2023

## ABSTRACT

S.No	Description of work	Qty	Rate	Per	Amount
800.3	1 ✓ Clean removal of cement plaster from walls, ceiling <i>P.W.D. 21-22 P-25</i>	1954.50	7.32	Sqm	14305.48
800.1	2 ✓ Dismantling of Lime Concrete <i>P.W.D. 21-22 P-22</i>	43.70	305.80	Cum	13363.46
800.6	3 ✓ Chipping of concrete and roughening the surface	3013.00	34.87	Sqm	105063.31
800.4	4 ✓ Dismantling the one Course of Pressed tile roof finish in cement mortar <i>P-22 P.W.D. 21-22</i>	849.00	22.00	Sqm	18678.00
1.1	5 ✓ Earth work excavation in all soil and sub soil to the required depth (Including Refilling)				
	a) 0 to 2 m depth	27.80	224.84	Cum	6250.55
3.1.1	6 ✓ P.C.C. 1:5:10 using 40mm HBSJ for Foundation etc all complete	2.50	4659.77	Cum	11649.43
6.7.1	7 ✓ Brick work in C.M. 1:5 using Fly ash bricks bricks in foundation and basement	34.50	6644.11	Cum	229221.80
9.7.1	8 ✓ Brick work in C.M 1:6 using country bricks				
	(a) Ground floor	0.70	6647.38	Cum	4653.17
	(b) First floor	0.70	6798.30	Cum	4758.81
	(c) Second floor	1.60	6949.22	Cum	11118.75
	(d) Third floor	3.50	7100.14	Cum	24850.49
10.7.1	9 ✓ Brick Partition wall in C.M 1:4-110 mm thick using country bricks				
	a) In Foundation & Basement	48.90	837.36	Sqm	40946.90
	(b) In G.F	0.90	845.59	Sqm	761.03
	(c) In F.F	0.90	862.19	Sqm	775.97
	(d) In S.F	9.90	878.79	Sqm	8700.02
8.4.1	10 ✓ Standardised concrete Mix M20 Grade concrete				
	(a) In G.F	0.30	7740.60	Cum	2322.18
	(b) In F.F	0.30	7964.45	Cum	2389.34
	(c) In S.F	0.30	8188.30	Cum	2456.49
15.1.1	11 ✓ Providing CUDDAPPAH SLAB for 20mm Thick slab:- For kitchen arrangements only				
	(a) In G.F	63.40	586.70	sqm	37196.78
	(b) In F.F	63.40	591.18	sqm	37480.81

576942.26

S.No	Description of work	Qty	Rate	Per	Amount
	(c) In S.F	63.40	595.66	sqm	37764.84 ✓
383 A	Cuddapah Slab Sink of size 600mm x 450mm x 200mm with 32mm dia 'B' Class GI Waste Water Pipe & 32mm dia CP Waste Coupling	144.00	762.00	nos(PWD SOR P.No.50)	109728.00 ✓
1A.2.3.3	Precast cupboard slab 40 mm tk using standardised concrete mix M20 (annexure)				
	a. In Foundation & basement	68.30	1546.27	Sqm	105610.24 ✓
43.1	14 Fabrication of mild steel R.F.S girts (without cement slurry) for all sizes of	0.50	81012.50	M.T	40506.25 ✓
18.1	15 Providing formwork for RCC Works				
	(b) Plain surfaces formwork such as slab, beam etc	19.20	900.96	Sqm	17298.43 ✓
	(c) Small qty -Sunshade form work	8.10	1081.15	Sqm	8757.32 ✓
33.1	16 Plastering with CM 1:5, 12mm thick	1210.20	239.36	Sqm	289673.47 ✓
34.1	17 Plastering in C.M 1:4-12 mm thick	228.20	245.37	Sqm	55993.43 ✓
28.1	18 Plastering in C.M 1:4-20 mm thick	56.70	486.90	Sqm	27607.23 ✓
35.2	19 Spl. Ceiling plastering in C.M. 1:3, 10 mm tk.	1042.30	274.19	Sqm	285788.24 ✓
32.1.1	20 Finishing the top of terrace floor with one course of pressed tiles	849.00	1148.63	Sqm	975186.87 ✓
32.1.4	21 Pointing with C.M.(1:3) for pressed tiles	960.90	299.55	Sqm	287837.60 ✓
30	22 Finishing the top of flooring with C.M(1:3), 20mm thick (Ellis pattern)	144.00	426.95	(Sqm)	61480.80 ✓
16.2	23 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	57.60	483.74	Sqm	27863.42 ✓
16.1.1	24 Precast Jally ventilator 50mm tk using standardised concrete mix M20	3.30	2811.62	Sqm	9278.35 ✓
	a. In Ground Floor				
	b. In First floor	3.30	2820.04	Sqm	9306.13 ✓
	c. In Second floor	3.30	2828.46	Sqm	9333.92 ✓
272	25 Two legged scaffolding arrangements using 15cm dia casuma props				
	a) Initial height for 3m Height	552.00	334.28	1 m length	184522.56 ✓

3120477.85



S.No	Description of work	Qty	Rate	Per	Amount
	b) 5.5m height in addition of 2.5m ht	264.00	656.02	1 m length	173189.28
	c) 8m height in addition of 2.5m ht	264.00	971.76	1 m length	258128.64
26	Supplying and fixing of ASTM pipes c) 20mm dia	1152.00	221.55	Rmt	255225.60
27	Supplying and Fixing of PVC SWR pipe (Soil line) with ISI mark - type 'B'. a. 110 mm dia.	240.00	692.50	Rmt	166200.00
	b. 75 mm dia.	240.00	576.63	Rmt	138391.20
28	Supplying and Fixing of PVC SWR 110 mm dia with ISI mark type- A for Rain water down fall pipe	384.00	334.19	Rmt	128328.96
29	Supplying and fixing of ASTM pipes a) 32mm dia	384.00	241.57	Rmt	92762.88
	b) 25mm dia	384.00	224.34	Rmt	86146.56
30	Supplying and fixing of PVC water tank 700 litres (3 layers white color)	48.00	6720.00	Nos	322560.00
31	Supplying of PVC Water tank Cover	96.00	350.00	Nos	33600.00
32	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 ODx1/2" ID, 25mm ODx1/2" ID and 32mm OD X 3/4" ID				
	(b) 25mm (3/4") size	144.00	150.00	Nos	21600.00
	(c) 32mm (3/4") size	96.00	178.00	Nos	17088.00
33	Supplying & fixing of Indian Water closet white glazed (Oriya type) of size 580 x 440mm - in G.F.	48.00	3249.75	Nos	155547.84
34	Supplying & fixing of Indian Water closet white glazed (Oriya type) of size 580 x 440mm - Other than G.F.	96.00	4988.98	Nos	481866.24
35	Supplying and fixing of 15mm dia half turn CP long body tap	300.00	480.00	Nos	144000.00
36	Supplying and fixing of 15mm dia half turn CP short body tap	144.00	432.00	Nos	62208.00
37	Supplying and fixing of PVC Nahani trap (4way/2way)	288.00	152.00	Nos	43948.80
38	Supplying and Fixing of Floor ceramic tiles (Anti-skid) using Grout (Tile Joint Filler)	395.40	1155.72	Sqm	456971.60
39	Supplying and Fixing of Glazed tiles using Grout (Tile Joint Filler)	1354.40	1313.87	Sqm	1779505.53

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S.No	Description of work	Qty	Rate	Per	Amount
378.2	40 Supplying and fixing of verified tile flooring (Ivory) CM 1.3	3147.20	121.68	Sqm	3819693.70
24	41 Supplying and erection of grill windows	621.00	62.10	kg	38564.10
273	42 Supplying and fixing of Steel Ladder	432.00	62.60	kg	27043.20
23.2.1	43 Supplying and fixing 4mm thick pin headed glass	52.80	726.70	sqm	38369.76
37.1	44 White washing three coats	288.10	43.02	Sqm	12394.06
37.2	45 White washing two coats for old ceiling	3910.80	21.88 25.90	Sqm	140322.72 140395.37 140395.37
38.4.3	46 Painting with two coats of Oil Bound Distemper <i>in Old Throw Scappi</i>	18399.20	123.39	Sqm	2270277.29 2270372.49
796	47 Painting with two coats of Plastic Emulsion Paint including primer for outer new walls	1090.22	222.05	Sqm	242083.35 242084.24
796.1	48 Painting with old walls two coats of Plastic Emulsion Paint <i>with Old Primer</i>	7074.90	158.95	Sqm	1124555.36
41	49 Painting with Two coat enamel paint for new Iron work	52.70	134.18 133.44 133.44	Sqm	7032.29
40.2	50 Painting with one coat of old wood work	2705.60	93.94 94.14 94.14	Sqm	254705.18
41.2	51 Painting with one coat of old iron work	435.60	86.33 86.97 86.97	Sqm	37884.13
77.5.1	52 Run of 2 Wires of 1.5 sqmm PVC insulated single core copper cable insert into existing concealed PVC Pipe <i>Observed</i>	720.00	95.51	Rmt	68764.00
77.7.1	53 Run of 2 Wires of 2.5 sqmm PVC insulated single core copper cable insert into existing concealed PVC Pipe <i>Observed</i>	1440.00	113.98	Rmt	164131.20 164136.00
77.6.1	54 Run of 2 Wires of 4.0 sqmm PVC insulated single core copper cable insert into existing concealed PVC Pipe <i>Observed</i>	1644.00	151.98	Rmt	249855.12 249860.60
75.1.2	55 Supply and delivery of 48" (1200 mm) Fan with ISI mark with Electronic Dimmer	288.00	1438.00 4437.40	Nos	414144.00 413971.20
74	56 Charges for fixing of "Ceiling Fan"	288.00	520.80	Nos	149990.40
102	57 Supplying and Fixing of 4' 18W Crystal Glass LED Tube Light fittings	473.00	666.00 660.49	Nos	315018.00 312269.87
100	58 Supplying and Fixing of 9 Watts LED bulb	432.00	134.00	Nos	57888.00

MNOP  
Same rate

140997.72

MNOP  
Same rate

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S.No	Description of work	Qty	Rate	Per	Amount
100.1 59	Supply and fixing of 15 watts LED bulb	✓ 185.00	✓ 268	Nos	✓ 49580.00
101.4 60	Supplying and fixing of 30W LED Street Light Fitting with LED(higher end)	✓ 48.00	✓ 4510.00	nos	✓ 216480.00
101.5 61	Supplying and fixing of 48W LED Street Light Fitting with LED(higher end)	✓ 12.00	✓ 6951.00	nos	✓ 83412.00
70.1.1 62	Supply and fixing of Bulk Head fitting suitable for 15W LED Bulb	✓ 185.00	✓ 486.50	Nos	✓ 90002.50
79.1.2 63	Supplying and Fixing of 16 Amps Porcelain Fuse Unit (500V)	✓ 156.00	✓ 47.60	Nos	✓ 7425.60
79.2.2 64	Supplying and Fixing of 32 Amps Porcelain Fuse Unit (500V)	✓ 165.00	✓ 84.40	Nos	✓ 13926.00
67.1.2 65	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 for 5 amps 5 pin PLUG SOCKET POINT AT SWITCH BOARD ITSELF including citcuit mains, cost of all materials, specials, etc., all complete.	✓ 288.00	✓ 477.69	point	✓ 137574.72
68.2.2 66	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 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.	✓ 432.00	✓ 662.19	point	✓ 286067.52

1000p  
Same rate

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S No	Description of work	Qty	Rate	Per	Amount
65.1.2	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 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.	288.00	890.51	point	256466.88
69	Supplying and fixing of 15 Amps 3 pin flush type plug	144.00	138.70	Nos	19972.80
69	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 citcuit mains, cost of all materials, specials, etc., all complete.				0.00
	a. Light point with ceiling rose	528.00	867.94	Point	458272.32
	b. Light point without ceiling rose	612.00	872.94	Point	534239.28
	c. Calling bell point with Buzzer/Calling be	144.00	749.95	Point	107992.80
110	Supplying of Miniature circuit breakers 240 v / 415v 50hz - ac supply suitable for both lighting and motor circuits				61056.00
	(c) Double Pole 6A to 32A, 10KA	144.00	511.00	Nos	73584.00
109	Supplying and fixing of 63 amps two pole MCB isolators	147.00	496.00	Nos	72912.00
114	Service Connection Accessories L.T. 1100v Pvc Aluminium Armoured Under Ground Cable With ISIMark				47922.00
	(a) Supplying of 3.5 core 50 sq.mm. PVC Armoured Aluminium UG Cable	312.00	314.7	Rmt PWD SR-2021-22)p-124	98186.40
	(b) Supplying of 3.5 core 25sq.mm. PVC Armoured Aluminium UG Cable	90.00	205.2	Rmt PWD SR-2021-22)p-124	18468.00
117	Supplying of following size of Cable Gland suitable for UG Cable				

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S.No	Description of work	Qty	Rate	Est	Amount
	1000 mm Gland suitable for 1" core 25 sq mm 1/6 Cable	16.00	61.1	PWD SR-2021-22p-175	977.60
	1000 mm Gland suitable for 2.5 core 25 sq mm 1/6 Cable	9.00	48	PWD SR-2021-22p-175	432.00
74	Supplying of following diameter GI Pipes "B" Class				
✓	(a) 50 mm diameter GI Pipes "B" Class	150.00	209	Rmt PWD SR-2021-22p-45	31350.00
✓	(b) 12 mm Diameter GI Pipe "B" Class	90.00	151.4	Rmt PWD SR-2021	13626.00
✓	(c) 25 mm diameter GI Pipe "B" Class	175.00	128	Rmt PWD SR-2021	22400.00
75	Laying of 1/6 Cable below Ground Level	273.00	245.40	Rmt	67010.58
76	Fixing of 1/6 cables on Walls / Ceiling	129.00	150.69	Rmt	19440.30
77	Supplying and fixing of 8 SWG wire	120.00	24.20	Rmt	2904.00
78	Lighting Station Box 44 (Type I)	12.00	274.5	Nos	3294.00
79	Supplying and Laying and Jointing SNE UPVC Pipe as Special below GI				
✓	(a) 110mm DIA UPVC Pipe Below GI	96.00	459.03	Rmt	44066.88
✓	(b) 160mm DIA UPVC Pipe Below GI	1000.00	770.06	Rmt	770060.00
	Borewell				
80	Drilling of 163 mm (6") dia drop borewell in hard sedimentary rock except clay to the required depth as may directed by the departmental officers etc.	550.00	235.00	Rmt	162250.00
81	Supply and Erection of 6" - 150 mm diameter casing pipe as per IS-12618-2010 including labour charges for erection of pipe inside the borewell etc.	80.00	618.00	Rmt (TWAD SR-2021-2022)p-278	49440.00
82	Supply and Fixing of 6" dia PVC End cap for covering the borewell etc.	2.00	137.5	Nos (TWAD SR-2021-2022) p-278	275.00
	External Water Supply				
83	Supply and Delivery of 5 HP Submersible Pump for Borewell (50x200)	2.00	5,000	Nos (PWSR-2021-2022)p-105	104000.00
84	Supply and delivery of Electric Motor (capit) and pump connection to IS-9209 7203 without Panel box of Three phase 440V 50 Hz	1.00	245	Nos (TWAD SR-2021-2022) p-931	139800.00

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S.No	Description of work	Qty	Rate	Per	Amount
119.2 85	Supply and delivery of 1 HP Electric Monoset centrifugal pump conforming to IS 9879:2002 without Panel board Three Phase (2.50x50)	1.00	15350	Nos (PWD SR 2021-22)p.105	15350.00
120 86	Labour charges for the erection of submersible pumpset in bore well/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 trial run for 10 days (1)Upto 5 HP	2.00	10051.1	Nos (TWAD SR 2021-2022),p.no.287	20102.20
120.1 87	Labour Charges for erection of Horizontal shaft, centrifugal pumpset (Coupled/Monoblock) in bore well/Open well including fixing of suction pipe and foot valve upto a maximum depth of 7 metres and delivery pipes to the required length with valves, pressure gauges upto the exterior wall of pump room and erection of panel board consisting of TPIC switches starter, Voltmeter, Ammeter, Capacitor single phasing preventor and laying and jointing the cables and twin earthing as per IE rules including providing bed blocks etc., complete and operating the pumps and trial run for 10 days including signing of completion of reports as required by EB authorities				0.00
✓	(a) Upto 3 HP	✓ 3.00	✓ 7391.8	Nos(TWAD SR 2021-2022,p.no.286)	✓ 22175.40
✓	(b) Above 3 HP upto 7.5 HP	✓ 1.00	✓ 9514.1	Nos(TWAD SR 2021-2022,p.no.286)	✓ 9514.10

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S.No	Description of work	Qty	Rate	Per	Amount
121.1 88	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).	2.00	14492	Nos(TWAD SR 2021-2022,p.no.111)	28984.00
121.2 89	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 415V ( $\pm 10\%$ ) including Ammeter, Overload relay, under Voltage release with no Volt coil, Air Break contactors suitable for next Standard higher KW rating, Single phasing preventor, dry running preventor and On/Off Push button switches, including the capacitor(the cost of capacitor is to be taken separately).	4.00	5249	Nos(TWAD SR 2021-2022,p.no.111))	20996.00
134.2 90	Supply and Delivery of 32 mm UPVC Column pipe	530.00	124	Rmt (TWAD SR 2021-2022,p.no.24)	65720.00
125 91	Supply and Delivery of 32mm dia UPVC pipe	314.00	114.8	Rmt (PWD SR-2021-22)p-106	36047.20
92	Supply and Delivery of 50mm dia UPVC pipe	584.00	175.5	Rmt (PWD SR-2021-22)p-106	102492.00
125.1 93	Labour Charges for laying of UPVC pipe Below Ground Level	874.00	87.39	Rmt	76378.86
123 94	Supply and Laying of PVC Insulated 3 core flat type copper cable conforming to IS 694/1990 etc.,				
	a. 4 sq mm	695.00	186	Rmt (TWAD SR 2021-2022,p.no.116)	129270.00
127 95	Supply and Delivery of Nylon Rope 15m / kg of approved superior Quality for Submersible pumpset in borewell etc.,	540.00	61.2	Rmt (PWD SR-2021-22)p-105	33048.00

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S.No	Description of work	Qty	Rate	Per	Amount
124-96	Labour charges for laying of 25mm dia "B" Class GI pipes Below Ground Level	175.00	94.2	Rmt	16485.00
122-97	Supplying and Fixing of following dia of GI Specials with ISI mark etc.,				
	(a) 50mm dia GI Bend	36.00	116.3	Nos PWD SR-2021-22)p-46	4186.80
	(b) 50mm dia GI coupling	48.00	69.8	Nos PWD SR-2021-22)p-47	3350.40
	(c). 25 mm dia GI Coupling	32.00	28.6	Nos PWD SR-2021-22)p-47	915.20
	(d). 25 mm dia GI Bend	3.00	52	Nos PWD SR-2021-22)p-46	156.00
	(e). 25 mm dia GI Elbow	3.00	58.10	Nos PWD SR-2021-22)p-46	174.30
	(f). 32mm dia GI Coupling	15.00	46.5	Nos PWD SR-2021-22)p-47	697.50
	(g). 32 mm dia GI bend	6.00	69.8	Nos PWD SR-2021-22)p-46	418.80
	(h). 32 mm dia GI Elbow	9.00	87	Nos PWD SR-2021-22)p-46	783.00
	(i). 32 mm dia GI Hex Nipple	4.00	66.00 66 58.10 58.10	Nos PWSR 21.22 (TWAD SR 2021-2022,p.no.44)	264.00 232.40
	(j). 32 mm dia GI Union	30.00	127.5	Nos PWD SR-2021-22)p-46	3825.00
	(k). 50mm x 32mm dia GI Reducer	30.00	129	Nos (TWAD SR 2021-2022,p.no.44)	3870.00
	(l) 50 mm Diameter C.I. Footvalve with stainer	3.00	434	Nos (TWAD SR 2021-2022,p.no.44)	1302.00
98	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
m	50mm dia GM Non Return Valve	2.00	208.2	Nos (TWAD SR 2021- 2022,p.no.45)	4164.00
n	32mm dia GM gate Valve	6.00	753	Nos (TWAD SR 2021- 2022,p.no.45)	4518.00
126.1	(c) 40mm dia MS Clamp Set	4.00	183	Nos (TWAD SR 2021- 2022,p.no.44)	772.00
	<b>Sub Total - I</b>				21935741.03
	<b>GST @ 12%</b>				2632282.92
	<b>Sub Total - II</b>				24568029.96
	<b>Labour Welfare Fund @ 1%</b>				245680.30
	Contingencies ,Unforeseen items& Petty Supervision Charges	L.S			344687.50
	<b>Supervision Charges @ 7.5%</b>				1842602.25
	<b>Grand Total</b>				27006000.00
	Say:		2,70,01,000/-		

S. Jeyal

137/1877/2022  
2021-2218.7.22  
K.S. Indu18/187/22  
EXECUTIVE ENGINEER,  
T.N.P.H.C. Ltd.,  
Madurai Division, Madurai-14Arithmatical  
check upS  
18/7/22SUPERINTENDING ENGINEER  
TAMILNADU POWER CORPORATION LTD.,  
MADRURAI-14.med  
18/7/22  
JE/c18/7/22  
SO18/7/22  
SO18/07/2022  
JDO18/7/2022  
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