

TAMIL NADU POLICE HOUSING CORPORATION, MADURAI DIVISION

NAME OF WORK : CONSTRUCTION OF 2 NOS OF MODERNIZED BUS SHELTER (4.50M X 2.40 M) AT NEAR THEKKATHIR MADURAI CITY UNDER THE SCHEME FOR MEMBER OF PARLIAMENT/MADURAI LOK SABHA CONSTITUENCY FUND

ABSTRACT ESTIMATE

S.No.	Description Of Work	Qty for 1 Bus Shelter	Qty for 2 Bus Shelter	Rate	Unit	Amount
1	Earth work excavation for foundation in all soils sub soils (Including Refilling) a) 0 to 2m Depth <i>P-②</i>	3.60	7.20	247.31	Cu.m	1780.63
2	P.C.C 1:5:10 using 40mm HBSJ for Foundation and Basement <i>P-②</i>	0.80	1.60	4918.65	Cu.m	7869.84
3	P.C.C 1:2:4 using 20mm HBSJ in Foundation and Basement etc, <i>P-②</i>	1.10	2.20	6464.53	Cu.m	14221.97
4	Providing Formwork (a) For Column footings, Grade beam & Plinth beam, etc., <i>P-②</i>	2.20	4.40	881.39	Sq.m	3878.12
5	Brick Work in CM 1:5 using Fly ash bricks in Foundation and basement <i>265.40</i> <i>5.30</i> <i>240.00</i> <i>4.80</i>			6727.21	Cu.m	<i>35654.21</i> 41708.70 <i>32290.61</i>
6	Supplying and filling in Foundation and basement with Gravel <i>P-③</i>	1.20	2.40	576.91	Cu.m	1384.58
7	Supplying & Filling Crushed stone Sand in Foundation & basement	1.20	2.40	1678.12	Cu.m	4027.49
8	Providing Pre-Constructional Antitermite Treatment <i>P-12</i>	7.90	15.80	34.00	Sq.m	537.20
9	Flooring with a bed of cement concrete 1:5:10 <i>P-②</i>	0.60	1.20	4918.65	Cu.m	5902.38
10	Plastering with C.M 1:5, 12 mm tk <i>P-③</i>	21.90	43.80	259.47	Sq.m	11364.79
11	Supplying of Rolled steel Plate section <i>P-⑥</i>	21.20	42.40	87.00	Kg (quotation rate)	3688.80
12	Supplying of Rolled steel Hollow section <i>P⑥</i>	620.40	1240.80	92.00	Kg (quotation rate)	114153.60
13	Supplying of 100 mm Dia G.I Pipe	3.00	6.00	930.00	Rmt(Quotation rate)	5580.00
14	Supplying of 65 mm Dia G.I Pipe	1.50	3.00	244.40	Rmt(PW D SOR-P.NO.45)	733.20
15	Labour charges for fabrication and erection of foundation base plate, Vertical steel post and Roofing steel member section and GI Pipes including welding connection	651.30	1302.60	48.50 <i>53.35</i>	Kg (PWD SOR-P.NO.29)	<i>69493.71</i> 63176.10

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Description Of Work	Qty for 1 Bus Shelter	Qty for 2 Bus Shelter	Rate	Unit	Amount
16 Providing and fixing of Aluminium Composite Panel(ACP) 4 sided having 50 x 25 x 1.50mm frame workvertical and horizontals out of specially designed extruded sections ithstand wind pressure of 180Kg/sq.m and fabricated fixed at all level elevation and heights. The extruded section cutting and fixing required space extruded section shall be of 6063 and alloy of BSH 9 confirming T is – 63400 rate shall included to fix the main frame with necessary clamps, fasteners, bolt nuts etc. The main frame of extruded section shall be of 22843 & 22739 (H9) grade conforming to BS 4174 (or) IS 8147. Rate shall included 4mm thick ACP sheet (0.25 + 3.5 + 0.25)alstrong or equivalent fixing with spacer tape and the ACP sheet bounded with special type structural sealant of dow corning 789 or equivalent in dust free conditions the gaps between ACP sheet to be filed with whether sealant and backer rod or 12mm foam sheet to ensure water and air tightness in all	18.80	37.60	4836.00	Sq.m (PWD SOR- P.NO.58)	181833.60
17 Painting the New iron work with Synthetic enamel paint	8.90	17.80	142.15	Sq.m	2530.27
18 Supplying and Fixing of Granite slab 18mm to 20mm Thick flooring	11.30	22.60	2371.19	Sq.m	53588.89
19 Painting two coats of Plastic Emulsion Paint including one coat primer for new walls	4.50	9.00	239.05	Sq.m	2151.45
20 Wiring with 1.5 sqmm pvc flexible fire retardant Copper cable wiring points(Open Wiring)					
a) Light point with ceiling rose	5.00	10.00	895.00	Points	8950.00
21 Run off Main 2 wires of 2.5 sq.mm	10.00	20.00	226.64 226.00	Rmt	4532.80 4520.00
22 Run off 2 wires of 4 sqmm	2.50	5.00	266.14 266.00	Rmt	1330.70 1330.00
23 Supplying and Fixing of 1'x1' square LED surface mounting light	2.00	4.00	1800.00	Nos (quotion rate)	7200.00
24 Providing Earthing station	1.00	2.00	2914.60 2921.00	Nos	5829.20 5842.00
25 Supplying and erection of Solar Panel board with Invertor, battery arrangements					
(a) 1450 Va/24 VDC Solar invertor UPS	1.00	2.00	10500.00	Nos (quotion	21000.00
(b) Solar PV Panel 250 Watts	3.00	6.00	14300.00	Nos (quotion	85800.00
(c) 150 a AH Tubelor Batteries	1.00	2.00	13500.00	Nos (quotion	27000.00

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