

MAHARASHTRA STATE WAREHOUSING CORPORATION

583/B, MARKET YARD , GULTEKADI, PUNE-411037

STANDARD ESTIMATE FOR CONSTRUCTION OF 1/1080 MT CAPACITY PRE ENGINEERED WH BLDG WITH ANCILLARY WORKS

S.W.IV - Electrification

Based on PWD Electrical DSR 2021-22 & Market rates

I.N.	DESCRIPTON OF ITEM	QUANTITY	UNIT	I.N./P.N.	RATE	Add 5% other than Dist.Place	Total of 6+7	AMOUNT
					Rs. Ps.			
1	2	3	4	5	6	7	8	9
1	Supplying, erecting & terminating XLPE armoured cable 3 core 6 sq. mm. copper conductor continuous 5.48 sq. mm. (12 SWG) G.I. earth wire complete erected with glands & lugs, on wall/ trusses/ pole or laid in provided trench/ pipe as per specification no. CB-LT/CU	20.00	Running Meter	7-2-16/129	283.00	14.15	297.15	5943.00
2	Making trench of suitable width and depth in hard murum / tar road for laying provided LT cable up to and including 16 sq. mm complete as per specification no. CW-EXNCTR	10.00	Running Meter	16-1-2/239	193.00	9.65	202.65	2027.00
3	Making trench of suitable width and depth in soft soil for laying provided LT cable up to and including 16 sq.mm complete as per specification no. CW-EXN-CTR	10.00	Running Meter	16-1-1/239	156.00	7.80	163.80	1638.00
4	Supplying & erecting mains PVC unarmoured cable 1100Volt grade ISI mark 3 core / 2.5 sqmm stranded / solid copper complete erected on wall with duly painted G. I. Saddle @	90.00	Running Meter	RA	125.60	6.28	131.88	11869.00
5	Supplying & erecting weatherproof powder coated distribution board 4 way with 2 x 6/10 Amp S. P. M. C. B. with industrial two pin plug socket 10 A and 3 pin plug top 10 A with top cover necessary connection etc complete with approved make.	8.00	Number	RA	1290.00	64.50	1354.50	10836.00
6	Providing point wiring for street light with PVC unarmoured cable 1100Volt grade ISI mark 3 core 1.5 sqmm stranded / solid copper erected on wall with G. I. Saddle duly painted @ 0.25 m C/C rigidly grouted in the wall with the help of plated screw including 4" x 4" M. S. box 2 way with epoxy painting &	4.00	Number	RA	1223.60	61.18	1284.78	5139.00
7	Supplying & erecting 10-12W, 230V integral type LED Lamp suitable for B-22/E-27 base.	2.00	Number	2-10-11/42	230.00	11.50	241.50	483.00
8	Supplying and erecting LED street light fitting suitable for 20 to 25W, with PF > 0.95 class IP 65 and above housing of pressure die cast aluminium alloy and heat sink extruded aluminium complete as per specification No FG-ODF/FLS	2.00	Number	2-5-2/34	2009.00	100.45	2109.45	4219.00
9	Supplying and erecting street light Wall bracket made from 40 mm. dia 'B' class G.I. pipe 1.2 m in total length complete as per specification no. FG-BKT/WB	2.00	Number	2-9-4/38	712.00	35.60	747.60	1495.00
10	Providing earthing with galvanized iron earth plate size 60 x 60 x 0.6 cm complete with all materials, testing & recording the results as per specification no. EA-EP	1.00	Number	9-1-1/159	4238.00	211.90	4449.90	4450.00
11	Providing pipe type earthing with 40mm. dia. G.I. pipe or 20 mm dia. G.I. Rod complete with all materials as per specification no. EA-EP	1.00	Number	9-1-4/159	1355.00	67.75	1422.75	1423.00
12	Supplying, erecting & marking DPMCB 6A to 32A, C- series (for motor/power) in provided distribution board as per specification no. SW-SWR/MCB	1.00	Number	5-3-6/94	488.00	24.40	512.40	512.00
13	Supplying, erecting & marking SPMCB 6A to 32A, B- series (for lighting) in provided distribution board as per specification no. SW-SWR/MCB	1.00	Number	5-3-3/94	164.00	8.20	172.20	172.00
14	Supplying and erecting GI sheet 1.6 mm (16 SWG) to be used for fabrication of boxes panel boards etc. including cutting, bending, drilling, welding, riveting etc. and painting with one coat of red lead paint and 2 coats of enamel paint.	1.00	Square Meter	6-1-2/112	2264.00	113.20	2377.20	2377.00
15	Supplying and erecting marine plywood 18/19 mm thick fixed to wall or on provided panel board with necessary materials such as screws, wall fasteners, supports, nut bolts etc. complete.	1.00	Square Meter	6-1-14/113	1342.00	67.10	1409.10	1409.00
16	Supplying and erecting triple pole and neutral distribution board (TPNDB) surface/ flush mounted suitable for SPMCB of 12 ways on iron / GI frame (horizontal busbar type) as per specification no. SW-SWR/MCBDB	2.00	Number	RA	4732.00	236.60	4968.60	9937.00

17	Supplying & erecting G.I. pipe 'A' class 25 mm dia. erected for enclosing XLPE armoured cable on wall/pole as per specification no. CB-CE	10.00	Running Meter	7-6-1/138	196.00	9.80	205.80	2058.00
18	Supplying & erecting G.I. pipe 'A' class 40 mm dia. erected for enclosing XLPE armoured cable on wall/pole as per specification no. CB-CE	10.00	Running Meter	7-6-2/138	304.00	15.20	319.20	3192.00
19	Supplying and laying (including excavation of suitable width & depth up to 90 cm) 75 mm outside dia. double wall corrugated pipes (DWC) of HDPE for enclosing cable below ground/road surface, to required depth complete.	12.00	Running Meter	7-6-10/139	227.00	11.35	238.35	2860.00
20	Supplying & erecting 18 gauge M.S. Box powder coated (4"x4") 3 way for mains connection.	2.00	Number	MR	80.00	4.00	84.00	168.00
21	Supplying & erecting Siemens type brass cable glands for 3 to 4 core 6 sq. mm. /2 to 4 core 10 sq. mm. for XLPE armoured cable as per specification No. CB-GL	4.00	Number	7-7-2/139	58.00	2.90	60.90	244.00
22	Supplying shockproof type hand lamp with lamp holder, bulb/ lamp 100 W guarded glass and 30 mtr. 3 core PVC flexible cord with lead shield type 2 pin 6 Amp. Plug type	1.00	Number	RA	1573.00	78.65	1651.65	1652.00
23	Point wiring for independent plug in 20 mm ISI marked HMS PVC conduit with 1.5 sq.mm (2+1E) FRLSH grade copper wire, flush type switch, earthing and required accessories as per specification No: WG-PW/SW	2.00	Number	1-9-8/17	496.00	24.80	520.80	1042.00
24	Supplying and erecting Street light bracket made from 25 mm. dia 'B' class G.I. Pipe, 0.6 m in length along with pole cap of 300 mm length and 80 mm dia duly welded with provided leads as per specification no. FG-BKT/BPC	1.00	Number	RA	466.00	23.30	489.30	489.00
25	Supplying & erecting mains with 2 x 2.5 Sq.mm stranded copper PVC insulated wire with 2 x 1.5 Sq.mm copper PVC wire in PVC casing - capping 20 mm on wall / ceiling.	2.00	Running Meter	RA	131.00	6.55	137.55	275.00
26	Supplying & erecting main with 2 x 4.00 Sq.mm stranded copper PVC insulated wire with 2 x 1.5 Sq.mm copper PVC wire in PVC casing - capping on wall / ceiling.	2.00	Running Meter	RA	154.00	7.70	161.70	323.00
27	Supplying and erecting double pole switch surface type/ flush type 240V, 32A with indicator lamp & fuse as per specification no. SW-SWR/BDP.	1.00	Number	5-1-1/89	177.00	8.85	185.85	186.00
28	Supplying and erecting double pole metal clad switch with HC type fuse and neutral link 240V, 32A on iron / GI frame as per specification no. SW-SWR/MDP ..	4.00	Number	5-1-3/89	783.00	39.15	822.15	3289.00
29	Supplying & erecting 3W, 230V integral type LED Lamp suitable for B-22/E-27 base.	1.00	Number	2-10-9/40	125.00	6.25	131.25	131.00
30	Supplying and erecting T8 Fluorescent tube day light 1200mm 36 W	2.00	Number	2-10-2/40	44.00	2.20	46.20	92.00
31	Supplying & erecting ready to use Retrofit T8 LED 18 / 20 tube light with polycarbonate body, heat sink, integrated HF electronic driver complete & compatible to T8 / T12 LED luminaire by disconnecting starter & ballast if necessary.	1.00	Number	2-10-14/40	626.00	31.30	657.30	657.00
32	Supplying and erecting regular/ standard model ceiling fan of 900 /1050 mm. sweep complete erected in position as per specification no. FG-FN/CF	1.00	Square Meter	2-12-2/41	1894.00	94.70	1988.70	1989.00
33	Supplying and fixing wiremesh (Jali) cover suitable for fitting / fan or for any purpose, complete with necessary materials. The jali cover shall be made from good quality G.I. wire mesh	2.00	Number	2-4-10/33	442.00	22.10	464.10	928.00
34	Supplying and erecting ding dong / electronic musical type call bell with heavy duty coil suitable to operate on 230V A.C. supply erected on polished double wooden block/sunmica block of suitable size	1.00	Number	2-4-13/33	131.00	6.55	137.55	138.00
35	Supplying and erecting street light Wall bracket made from 25 mm. dia 'B' class G.I. pipe 1.2 m in total length complete as per specification no. FG-BKT/WB	3.00	Number	2-9-3/38	575.00	28.75	603.75	1811.00
36	Supplying & erecting CRCA sheet metal one way enclosures suitable for DP MCB /TP MCB /FP MCB erected on angle iron/GI frame complete.	1.00	Number	5-4-23/97	361.00	18.05	379.05	379.00
37	Supplying erecting and marking four pole isolators only switch version of miniature circuit breakers of 40A in provided distribution board complete.	1.00	Number	5-3-24/95	625.00	31.25	656.25	656.00

							Total in Rs.	86488.00
							Say	86488.00