

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**

MEASUREMENT SHEET

Item No.	Description of Items	NO.			LENGTH	BREDTH	DEPTH	TOTAL		Unit		
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									Running Meter		
	For WH 1080 MT	1	X	1	X	20	X	1	X	1	=	20.00
										Total		20.00
										Say		20.00
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									Running Meter		
	For WH 1080 MT	1	X	1	X	10	X	1	X	1	=	10.00
										Total		10.00
										SAY		10.00
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									Running Meter		
	For WH 1080 MT	1	X	1	X	10	X	1	X	1	=	10.00
										Total		10.00
										SAY		10.00
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 @ 0.25 m C/C & rigidly grouted in the wall with the help of plated screws.									Running Meter		
	For WH 1080 MT	1	X	90	X	1	X	1	X	1	=	90.00
										Total		90.00
										Say		90.00
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.									Number		
	For WH 1080 MT	2	X	4	X	1	X	1	X	1	=	8.00
										Total		8.00
										Say		8.00

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 & inside 10 amp Nylon connector strip for street light connection and flexible cable of 2 mtrs. for street light connection etc. complete as directed by Engineer in charge.	Number
	For WH 1080 MT	2 X 2 X 1 X 1 X 1 = 4.00
		Total 4.00
		Say 4.00
7	Supplying & erecting 10-12W, 230V integral type LED Lamp suitable for B-22/E-27 base.	Number
	For WH 1080 MT	1 X 2 X 1 X 1 X 1 = 2.00
		Total 2.00
		Say 2.00
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	Number
	For WH 1080 MT	1 X 1 X 2 X 1 X 1 = 2.00
		Total 2.00
		Say 2.00
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	Number
	For WH 1080 MT	1 X 1 X 2 X 1 X 1 = 2.00
		Total 2.00
		Say 2.00
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	Number
	For WH 1080 MT	1 X 1 X 1 X 1 X 1 = 1.00
		Total 1.00
		Say 1.00
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	Number
	For WH 1080 MT	1 X 1 X 1 X 1 X 1 = 1.00
		Total 1.00
		SAY = 1.00
12	Supplying, erecting & marking DPMCB 6A to 32A, C- series (for motor/power) in provided distribution board as per specification no. SW-SWR/MCB	Number
	For WH 1080 MT	1 X 1 X 1 X 1 = 1.00
		Total = 1.00
		SAY = 1.00
13	Supplying, erecting & marking SPMCB 6A to 32A, B- series (for lighting) in provided distribution board as per specification no. SW-SWR/MCB	Number
	For WH 1080 MT	1 X 1 X 1 X 1 = 1.00

Total = 1.00

SAY = 1.00

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| 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 | Square
Meter |
| | For WH 1080 MT 1 X 1 X 1 X 1 X 1 = 1.00 | |
| | Total 1.00 | |
| | SAY = 1.00 | |
| | | |
| 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. | Square
Meter |
| | For WH 1080 MT 1 X 1 X 1 X 1 X 1 = 1.00 | |
| | Total 1.00 | |
| | SAY = 1.00 | |
| | | |
| 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- | Number |
| | For WH 1080 MT 1 X 2 X 1 X 1 X 1 = 2.00 | |
| | Total 2.00 | |
| | SAY = 2.00 | |
| | | |
| 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 | Running
Meter |
| | For WH 1080 MT 1 X 10 X 1 X 1 X 1 = 10.00 | |
| | Total 10.00 | |
| | SAY = 10.00 | |
| | | |
| 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 | Running
Meter |
| | For WH 1080 MT 1 X 10 X 1 X 1 X 1 = 10.00 | |
| | Total 10.00 | |
| | SAY = 10.00 | |
| | | |
| 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. | Running
Meter |
| | For WH 1080 MT 2 X 6 X 1 X 1 X 1 = 12.00 | |
| | Total 12.00 | |
| | SAY = 12.00 | |
| | | |
| 20 | Supplying & erecting 18 guage M.S. Box powder coated (4"x4") 3 way for mains connection. | Number |
| | For WH 1080 MT 1 X 2 X 1 X 1 X 1 = 2.00 | |
| | Total 2.00 | |
| | SAY = 2.00 | |
| | | |
| 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 | Number |

	For WH 1080 MT	1	X	4	X	1	X	1	X	1	=	4.00	
											Total =	4.00	
											SAY =	4.00	
22	Supplying shockproof type hand lamp with lamp holder, bulb/ lamp 100 W guarded glass and 30 mtr. 3 core PVC flexible cord with hand shield type 3 pin 6 Amp Plug top												Number
	For WH 1080 MT	1	X	1	X	1	X	1	X	1	=	1.00	
											Total =	1.00	
											SAY =	1.00	
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												Number
	For WH 1080 MT	1	X	2	X	1	X	1	X	1	=	2.00	
											Total =	2.00	
											SAY =	2.00	
24	Power point wiring for geaser / Refrigerator with ISI mark 2 x 2.50 Sq.mm copper PVC insulated wire 1.1 KV grade in PVC casing-caping with double locking arrangement with 1 x 1.00 Sq.mm copper PVC insulated wire for earthing on wall / ceiling with necessary G.I.screws etc. fixed at an internal of not												Number
	For WH 1080 MT	1	X	1	X	1	X	1	X	1	=	1.00	
											Total =	1.00	
											SAY =	1.00	
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 - caping 20 mm on wall / ceiling.												Running Meter
	For WH 1080 MT	1	X	2	X	1	X	1	X	1	=	2.00	
											Total =	2.00	
											SAY =	2.00	
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 - caping on wall / ceiling.												Running Meter
	For WH 1080 MT	1	X	2	X	1	X	1	X	1	=	2.00	
											Total =	2.00	
											SAY =	2.00	
27	Supplying and erecting double pole switch surface type/ flush type 240V, 32A with indicator lamp & fuse as per specification no. SW-SWR/BDP.												Number
	For WH 1080 MT	1	X	1	X	1	X	1	X	1	=	1.00	
											Total =	1.00	
											SAY =	1.00	
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 ..												Number
	For WH 1080 MT	1	X	4	X	1	X	1	X	1	=	4.00	
											Total =	4.00	
											SAY =	4.00	
29	Supplying & erecting 3W, 230V integral type LED Lamp suitable for B-22/E-27 base.												Number
	For WH 1080 MT	1	X	1	X	1	X	1	X	1	=	1.00	
											Total =	1.00	
											SAY =	1.00	

30	Supplying and erecting T8 Fluorescent tube day light 1200mm 36 W												Number
	For WH 1080 MT	1	X	2	X	1	X	1	X	1	=	2.00	
										Total	=	2.00	
										SAY	=	2.00	
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.												Number
	For WH 1080 MT	1	X	1	X	1	X	1	X	1	=	1.00	
										Total	=	1.00	
										SAY	=	1.00	
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												Square Meter
	For WH 1080 MT	1	X	1	X	1	X	1	X	1	=	1.00	
										Total	=	1.00	
										SAY	=	1.00	
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 size 25 x 25 (mm) and made up of 14 SWG G.I. wire with side / supporting MS strips of suitable size.												Number
	For WH 1980 MT	0	X	1	X	4	X	1	X	1	=	0.00	
	For WH 1980 MT	1	X	1	X	2	X	1	X	1	=	2.00	
										Total	=	2.00	
										SAY	=	2.00	
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												Number
	For WH 1980 MT	0	X	1	X	2	X	1	X	1	=	0.00	
	For WH 1980 MT	1	X	1	X	1	X	1	X	1	=	1.00	
										Total	=	1.00	
										SAY	=	1.00	
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												Number
	For WH 1980 MT	0	X	1	X	5	X	1	X	1	=	0.00	
	For WH 1980 MT	1	X	1	X	3	X	1	X	1	=	3.00	
										Total	=	3.00	
										SAY	=	3.00	

36 Supplying & erecting CRCA sheet metal one wayenclosures suitable for DP MCB /TP MCB /FP MCB
erected on angle iron/GI frame complete.

												Number
For WH 1980 MT	0	X	1	X	1	X	1	X	1	=	0.00	
For WH 1980 MT	1	X	1	X	1	X	1	X	1	=	1.00	
									Total	=	1.00	
									SAY	=	1.00	

37 Supplying erecting and marking four pole isolators only switch version of miniature circuit breakers of
40A in provided distribution board complete.

												Number
For WH 1980 MT	0	X	1	X	1	X	1	X	1	=	0.00	
For WH 1980 MT	1	X	1	X	1	X	1	X	1	=	1.00	
									Total	=	1.00	
									SAY	=	1.00	