

MAHARASHTRA STATE WAREHOUSING CORPORATION

583/B, Market Yard, Gultekadi, Pune 411 037.

S. W. V:- Material Lab Testing charges

STANDARD ESTIMATE FOR CONSTRUCTION OF 1/1800 MT CAPACITY PRE ENGINEERED WH BLDG WITH ANCILLARY WORKS

Statement showing the details of requirement of Lab. Tests to be carried out:-

Sr. No.	Particulars	Quantity	Unit	Tests to be carried out	Nos. of tests	Rate per test	Amount	Remarks
1	Cement	1700	Bags	Cement- Fineness, Standard Consistency, Setting Time (Initial & Final), Compressive strength, Soundness	1	7540	7540	one test per 1000 Bags
2	Concrete M-10 grade	43.00	cum	M10- Concrete cube compressive strength (Set of 3 Cubes)	3	1380	4140	1 test for 15 cum
3	Concrete M-25 grade	170.00	cum	Mix Design M-25 with all tests on basic materials	1	27510.00	27510	One per 500 cum of concrete
				M 25 - Concrete cube compressive strength (Set of 3 Cubes)	15	1380.00	20700	1 test for 15 cum
5	Crushed metal for concrete	170.00	cum	Metal - Water absorption, Specific gravity, Impact value, Crushing value	1	5200	5200	one test per 200 cum
				Metal- Gradation	1	1380.00	1380	one test per 200 cum
				Metal - Combined Flakiness & Elongation of single metal	1	1700	1700	one test per 200 cum
6	Bricks	129.00	cum	Bricks- Crushing value, Water absorption, & Specific Gravity	1	4350	4350	one test per 50000 Nos. of bricks or part.
7	Masonry stones	31.00	cum	Stone - Crushing value/Compressive strength, water absorption & Specific Gravity	1	4040	4040	one test per source
8	TMT steel bars	18.30	M.T.	Steel - Tensile strength, Yield stress, ultimate tensile stress, %elongation, weight per running meter, Bend/Rebend test.(Set of 3 Bars)	4	2550	10200	1 test per 5.00 M.T. and one for each dia. Of use bar

9	Sand	0.00	cum	Sand - Fineness Modulus, silt & clay content.	1	2760	2760	1 test per source
10	Murum in plinth	1124.14	cum	Murum - Plasticity Index	2	2340	4680	1 test per 1000 Cum.
				Murum - Field Density of compacted layer	2	2230	4460	1 test per 250 Sq.m
				Murum - Proctor Test	2	3720	7440	1 test per 1000 Cum.
11	Earthwork	638.00	cum	Earthwork- Gradation	5	1380	6900	1 test per 400 Cum.
	For embankment			Earthwork- Plasticity Index	5	2340	11700	1 test per 400 Cum.
	(H.M/S.M.)			Earthwork- Moisture content prior to compaction	5	1590	7950	1 test per 400 Cum.
				Earthwork- Density of compacted layer	2	2230	4460	1 test per 1000 Sq.m
				Earthwork- Proctor Test	2	3720	7440	2 test per 3000 Cum.
12	Metal for Road/ Filling metal in plinth	568.00	cum	Road - Basic test on aggregates Water absorption,specific gravity,impact value/crushing value	3	1380	4140	one test per 200 cum
				Road -Gradation	3	1380	4140	one test per 200 cum
				Road - Combined Flakiness & Elongation	3	1700	5100	one test per 200 cum
				Road - Strpping Value for Bituminious Work	2	1490	2980	one test per 400 cum
				TOTAL			160910	

Jr.Engineer
MSWC, Amravati

Dy.Manager (Engg.)
MSWC, Amravati