

Material Lab Testing charges								
ESTIMATE FOR CONSTRUCTION OF 700 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 Carried Out	Nos of tests	Rate per test	Amount	Remark
1	Cement	1700.00	Bags	Cement- Fineness, Standard Consistency. Setting Time (Initial & Final), Compressive strength, Soundness	1.00	7540	7540	one tear per 1000 Bags
2	Concrete M-10 grade	31.00	cum	M10- Concrete cube compressive strength (Set of 3 Cubes)	2.00	1380	2760	1 test for 15 cum
3	Concrete M-25 grade	113.00	cum	Mix Design M-25 with all tests on basic materials	1.00	27510	27510	One per 500 cum of concrete
				M 25-Concrete cube compressive strength (Set of 3 Cubes)	4.00	1380	5520	1 test for 15 cum
5	Crushed metal for concrete	133.00	cum	Metal-Water absorption, Specific gravity, Impact value, Crushing value	1.00	5200	5200	one test per 200 cum
				Metal- Gradation	1.00	1380	1380	one test per 200 cum
				Metal-Combined Flakiness & Elongation of single metal	1.00	1700	1700	one test per 200 cum
6	Brick	144.00		Bricks-Crushing value, Water absorption, Specific Gravity	1.00	4350	4350	one test per 50000 Nos, of bricks or part.
7	masonry	23.00		Stone-Crushing value/Compressive strength, water absorption & Specific Gravity	1.00	4040	4040	one test per source
8	tmt steel bar	13.30	M.T	Steel - Tensile strength, Yield stress, ultima tensile stress, %elongation, weight per running meter, Bend/Rebend test. (Set of 3 Bars)	1.00	2550	2550	
9	sand	0.00	CUM	Sand- Fineness Modulus, silt & clay content.	1.00	2760	2760	one test per source
10	murum in plinth	626.00	CUM	Murum - Plasticity Index	2.00	2340	4680	1 test per 1000 Cum
				Murum- Field Density of compacted layer	2.00	2230	4460	1 test per 250 Sq.m
				Murum-Proctor Test	1.00	3720	3720	1 test per 1000 Cum
11	EARTHWORK	584.00	CUM	Earthwork- Gradation	2.00	1380	2760	1 test per 400 Cum.
	for embankment			Earthwork-Plasticity Index	2.00	2340	4680	1 test per 400 Cum.
	(h.m/s.M)			Earthwork- Moisture content prior to compaction	2.00	1590	3180	1 test per 400 Cum.
				Earthwork- Density of compacted layer	1.00	2230	2230	1test per 1000 sqm
				Earthwork- Proctor Test	1.00	3720	3720	2 test per 3000 Cum
12	Metal for road/ filling metal in plinth	471.00	CUM	Road-Basic test on aggregates Water absorption, specific gravity, impact value/ crushing value	1.00	1380	1380	1 test per 200 Cum
				Road-Gradation	1.00	1380	1380	1 test per 200 Cum
				Road-Combined Flakiness & Elongation	1.00	1700	1700	
				Road-Strpping Value for Bituminious Work	1.00	1490	1490	1 test per 400 Cum
				TOTAL			100690	
(Rs. One Lack Six Hundred Ninty Rupees only)								