

## SCHEDULE FOR TESTING OF MATERIALS (BUILDING)

For ensuring quality control and workmanship, various tests prescribed below corresponding to the material concerned shall be taken at periodic intervals as stipulated below.

The Material shall be got tested at GERI or Govt. recognized Laboratory or filed Laboratory of GERI for which 1% of the estimated amount to tender shall be recovered from the contractor from the R. A. Bill and Final bill as the testing charges shall be paid by the Govt. to the Laboratory. However if the charges increase over 1% no excess recovery shall be made from the contractor as per resolution of B & C department dated 10th May 1985, vide TNC/1085(4) S.

Item No.	Brief Description of material to be tested.	Prescription of test which shall be carried out	Frequency @ which test shall be carried out (As per GERI Q.C. Vol. I, 2002)	Qty. of materials	Total No. of test to be carried out
1	2	3	4	5	6
1	Coarse Aggregate	Gradation Test Impact Value,	1/150 M3 for concrete or as per Specification.	28.27 M.T.	1 Test
	(Metal, gravel	Flakiness Index			
		Water Absorption			
		Stripping Value			
2	Fine aggregate	Gradation fineness	1/150 or concrete or as per requirement of relevant specification	62.33 Cmt	1 Test
	(Sand)	Specific Gravity			
		Water Absorption			
		Silt Content			
3	Bricks	Dimension and tolerance	1 test per 50,000 Bricks	12500 No.	1 Test
		Water Absorption	5 bricks from (Sample)		
		Compressive Strength	5 Woks from (Sample)		
		Efflorescence	5 bricks from (Sample)		
4	C.C Tiles	Water Absorption	1/2000 tiles	1230.00 Nos.	1 Test
		Transverse strength	(18 tiles for Sample)		
		Abrasion size tolerances.			
5	Cement concrete	Compressive strength	<b>Qty Of C.C M3</b> : <b>No. Of Test</b>		
		(I.S. 516-1959).	1 to 5 : 1 Test		
			6 to 15 : 2 Test		
			16 to 30 : 3 Test		
			31 to 51 : 4 Test		
			51 & Above : 4+1 Test		
				For Each Addinl. 50M3 Or Part There of	
6	Cement	Consistency	<b>Qty Of C.C M3</b> : <b>No. Of Test</b>		
		Setting Time	Upto 50 T : 1 Test	38.18 M.T.	1 Test
		Compressive Strength	50 to 100 T : 2 Test		
		Fineness	100 to 200 T : 3 Test		
		Chemical Analysis Soundness	200 to 300 T : 4 Test		
			300 to 500 T : 5 Test		
			500 to 800 T : 6 Test		
			800 to 1300 : 7 Test		
			And 8 test For Larger Consignment		

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1	2	3	4	5	6
7	Steel	Tensile Strength	1/40 Tonnes / Per Category	0.10	1 Test
		Yield Stress			
		Elongation			
8	Teak Wood	Anatomy Test	1 Test		1 Test
		Density Tests			
		Moisture Content Test			
9	Pre-cast Rubber Dye inter locking concrete block	Compressive Strength	1 Test		1 Test
		Dimension			
10	Pre-cast concrete kerb stone	Compressive Strength	1 Test		1 Test
		Dimension			

**Sign of Contractor**  
**Deputy Executive Engineer**  
**Capital Project Sub Div. No.02**  
**Gandhinagar**

**Executive Engineer**  
**Capital Project Division No.1**  
**Gandhinagar**