

**Name Of Work :- "8443-Civil Deposit Work Part-III" Repairing, Renovation & Furniture Work in Irrigation Circle Office At Sector-16, Gandhinagar**

**SCHEDULE FOR TESTING OF MATIRIALS (BUILDING)**

For ensuring quality control and workmanship, various tests prescribed below corresponding to the material concerned shall be taken as 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 shaft 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 (Metal, gravel	Gradation Test Impact Value, Flakiness Index Water Absorption Stripping Value	1/150 M3 for concrete or as per Specification.		0 M3	0 Test
2	Fine aggregate (Sand)	Gradation fineness Specific Gravity Water Absorption Silt Content	1/150 or concrete or as per requirement of relevant specification		19 M3	1 Test
3	Bricks	Dimension and tolerance Water Absorption Compressive Strength Efflorescence	1 test per 50,000 Bricks 5 bricks from (Sample) 5 Woks from (Sample) 5 bricks from (Sample)		0B	0 Test
4	C.C Tiles	Water Absorption Transverse strength Abrasion size tolerances.	1/2000 tiles (18 tiles for Sample)		563 Tiles	1 Test
5	Cement concrete	Compressive strength (I.S. 516-1959).	Qty Of C.C M3	No. Of Test		
			1 to 5	1 Test		
			6 to 15	2 Test	0 M <sup>3</sup>	0 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	Qty Of C.C M3	No. Of Test		
		Setting Time	Upto 50 T	1 Test	6 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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7	Steel	Tensile Strength Yield Stress Elongation	1/40 Tonnes / Per Category	T	NA
8	Teak Wood	Anatomy Test Density Tests Moisture Content Test	1 Test	NA	NA
9	Pre-cast Rubber Dye inter locking concrete block	Compressive Strength Dimension	1 Test		
10	Pre-cast concrete kerb	Compressive Strength Dimension	1 Test		

**Sign of Contractor**  
**Deputy Executive Engineer**  
**Capital Project Sub Div. No.03**  
**Gandhinagar**

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