

SCHEDULE FOR TESTING OF MATERIALS

Installation of Fire Safety System & Other Misc. Work at Mahudha ITI Building, Dist. Kheda.

For ensuring quality control and workmanship, various tests prescribed below for materials shall be taken at periodical intervals as stipulated below.

The materials shall be a got tested at Government recognised Laboratory , (R & B) or field Laboratory of GERI (R&B) for which 1 % of the estimated amount put to tender shall be recovered from the contractor from the RA bills and Final bills at the testing charges shall be paid to the GERI by the Government. 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. & R & B Department G.R No. SSR - 1092 - 1 B 129/10/C Dated 24-10-1994.

Sr. No	Materials	Qty. of Material	Prescription of test which will be carried out	Frequency @ Which Test shall be Carried out		Total No of Test To Be Taken	
1	Aggregate	2.38 Cmt	Gradation Test, Impact Value, EI & FI ,Stripping Value	1 to 100 Cmt 101 to 500 Cmt 501 to 1500 Cmt 1501 to 5000 Cmt	1 Test 3 Test 5 Test 7 Test	1	Test
2	Sand	5.90 Cmt	Silt Content Special gravity Water absorption Finesness Modulus Soundness	One Test Per Source		1	Test
3	Bricks	5250 Nos	Water Absorption Effluence Size Compressive Strength	One Test Per 50000 Bricks		1	Test
4	Cement	3.530 MT	Consistency Setting Time Compressive Strength Fineness Chemical analysis Soundness	As Per GERI Manual 2002 Up to 50 T 1 Test 100 T 2 Test 200 T 3 Test 300 T 4 Test 500 T 5 Test 800 T 6 Test 1300 T 7 Test For Large 8 Test		1	Test
5	Steel	0.000 MT	Tensile Strength Yield Stress Elongation Size	1 Test / 40 Tonnes Per Category		0	Test / 40 Tonnes Per Category
6	C.C Cube M75 M100 M150 M200 M250	Cmt 0.90 Cmt 0.70 Cmt 1.00 Cmt 0.00 Cmt 0.00 Cmt Cmt	Compressive Strength (I.S 516-1959)	<u>Qty In CUM</u> 1 to 5 6 to 15 16 to 30 31 to 50 51 And Above (For each additional 50 Cum	<u>Test</u> 1 2 3 4 4+1	1 1 1 0 0 0 0	Test Test Test Test Test Test Test
7	Water		Suspended Solids (IS 3025 Part 17) Sulphates (IS 3025 Part 24) Chlorides (IS 3025 Part 32)	Sample taken at each source tested at an approval test house		1	Nos.

Note :

- 1 Number of tests may be varying as per the actual work executed on site.
- 2 This Testing Schedule is for reference only, additional material and number of tests to be followed by MORTH Guideline & Engineer in charge.

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