

**Name of work: Construction of Nandghar (Anganvadi) Building at Karjala,
Village (Jesar) Ta: Jesar, Dist: Bhavnagar**

FREQUENCY FOR TESTING OF MATERIALS

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 recognized 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 R. A. 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 con-tractor as per resolution of B & C Department dated 10th May 1985 Vide TNC/1085 (4) s.

Item No as per schedule	Brief Description of Materials to be tested	Qty. of Material	Unit	Prescription of test which shall be carried out	Frequency @ which test shall be carried out	Total No. of Test to be taken
1	Cement	21.30	MT	Consistency, setting time, compressive strength, fineness, Chemical analysis Soundness	Upto 50 T 1 test 50 – 100 T 2 test 100 – 200 T 3 test 200 – 300 T 4 test 300 – 500 T 5 test 500 – 800 T 6 test 800 – 1300 T 7 test and 8 test for larger consignment	1
2	Aggregates 20 MM	25.62	CMT	Gradation test Impact Value Flakiness Index of aggregate	1 to 100- 1 test 100 to 500-3 tests 500 to 1500-5 tests 1500 to 5000-7 tests	1
3	Aggregates 10 MM	12.81				1
4	Sand	57.26	CMT	Special gravity Water absorption Fineness Modulus Silt Content Soundness	1 Test @ 250 Cmt	1
5	Bricks	20605.00	Nos	Water absorption Effloresce Size Comprehensive Strength	1 Test @ 50,000 Bricks	1
6	Steel	3.09	MT	Tensile strength, yield stress, Elongation	1/40 tonnes / per category	Minimum 1 test must be carried out for each category

7	M150	10.90	CMT	Compressive Strength	1 To 5 Cum. 1 No. 6 to 15 Cum. 2Nos. 16 to 20 Cum. 3Nos. 21 to 50 Cum. 4Nos. 51 & Above Cum 4+ 1 for each 50 Cum or part thereof	2
8	M200	26.40	CMT			4
9	Water	Lump	Lump	Chemical Analysis	1 Test for work	1
10	Soil	31.90	Cmt	OMC , Density	1 Test for work	1
11	Ceramic Tiles	4.90	Sqm	Compressive Strength	1 Test per Lot	1
12	Vitrified Tiles	60.80	Sqm	Water absorption Dimension	1 Test per Lot	1
13	Polished Kotah Stone	15.10	Sqm	Transverse Stress Acid Test	1 Test per Lot	1
14	Glazed Tiles	19.30	Sqm	Dimension	1 Test per Lot	1

**Deputy Executive Engineer
Panchayat (R&B) Sub Division
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