

**Construction of New Aganwadi Building at Various Village, Taluka: Waghodia, Dist: Vadodara.
(Pkg-39 Ganeshpura (Goraj, Narshinhpura, Gambhirpura Village)**

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	80.48	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	2
2	Aggregates 40 MM	15.84	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 20 MM	70.93				1
4	Aggregates 10 MM	17.73				1
5	Sand	52.25	CMT	Special gravity Water absorption Fineness Modulus Silt Content Soundness	1 to 100- 1 test 100 to 500-3 tests 500 to 1500-5 tests 1500 to 5000-7 tests	1
6	Bricks	37815.00	Nos	Water absorption Effloresce Size Comprehensive Strength	1 Test @ 50,000 Bricks	1
7	Steel	15.72	MT	Tensile strength, yield stress, Elongation	1/40 tonnes / per category	Minimum 1 test must be carried out for each category
8	M150	18.00	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
9	M200	45.63	CMT			4
10	M250	65.37	CMT			5
11	Water	Lump	Lump	Chemical Analysis	1 Test for work	1
12	Soil	143.10	Cmt	OMC , Density	1 Test for work	1

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

**Executive Engineer
Panchayat (R&B) Division
Vadodara**