

**Construction of New Aganwadi Building at Various Village, Taluka: Karjan, Dist: Vadodara. (Pkg-24 Bharthana-1, Vemar-2 Village)**

<b>FREQUENCY FOR TESTING OF MATERIALS</b>						
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	50.25	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	11.09	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	40.74				1
4	Aggregates 10 MM	10.19				1
5	Sand	31.00	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	22955.00	Nos	Water absorption Effloresce Size Comprehensive Strength	1 Test @ 50,000 Bricks	1
7	Steel	9.82	MT	Tensile strength, yield stress, Elongation	1/40 tonnes / per category	Minimum 1 test must be carried out for each category
8	M150	12.00	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	30.42	CMT			4
10	M250	38.79	CMT			5
11	Water	Lump	Lump	Chemical Analysis	1 Test for work	1
12	Soil	95.40	Cmt	OMC , Density	1 Test for work	1

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

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