

Road and Building Department

Name of Work: - Construction of Animal Husbandry at Fatehgadh Taluko-Rapar, Dist-Kachchh.

Schedule for Materials Testing

For ensuring quality control and workmanship, various tests prescribed below corresponding to the material concerned shall be taken as periodic intervals as stipulated belowbe taken..

The material shall be got tested through Govt. Recognized laboratory (R & B) of field laboratory of GERI (R & B) for which 1% of the estimated Amount of tender shall be paid by the Govt. to the GERI. 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. Minimum 10% of total tests for each material shall be carried out in Govt. Laboratory i.e. GERI

Sr. No.	Brief Description of material to be tested	Prescription of Test which shall be carried out	Frequency @ which test shall be carried out	Est. Qty of Material	Unit	No of Tests Req'd.
1	Cement	1 Consistency 2 Setting time 3 Fineness 4 Chemical Analysis 5 Soundness	Up to 50 M ton 1 Test 100 M ton 2 Test 200 M ton 3 Test 300 M ton 4 Test 500 M ton 5 Test 800 M ton 6 Test 1300 M ton 7 Test and 8 Test for Larger Consignment	153.66	MT	3
2	Steel T.M.T. Fe 500D	1 Tensile Strength 2.Yield Stress 3 Elongation 4 Size 5.Chemical Analysis Test	One test per 40 M ton per Category	32.06	MT	1-Test per each Category/ 40 M.T.
3	C.C. Cube M7.5 M150 Ordinary M200 Ordinary M250 Controlled	1 Compressive strength	Qty (cmt) No.s of Test Up to 5 1 6 to 15 2 16 to 30 3 31 to 50 4 51 and above - 1 Test / 50 cmt.	48.00 32.00 119.00 119.00	Cmt.	5 5 7 7
4	Sand	1 Silt content 2.Gradation Finess Modules	One test per work (1 Test/150Cmt)	179.00	Cmt.	2
5	Murum	PI Value	One test per work (1 Test/50Cmt)	425.00	Cmt.	4
6	Aggregate for C.C.Work	1 Water Absorption 2 Impact Value 3 Flakiness / elongation 4 Gradation 5 Srtipping Value	One test per work (1 Test/150Cmt)	188.00	Cmt.	2

Sr. No.	Brief Description of material to be tested	Prescription of Test which shall be carried out	Frequency @ which test shall be carried out	Est. Qty of Material	Unit	No of Tests Reqd.
7	Water	Chemical Analysis	One test per Source			1
8	Tiles	Water Absorption Size Tolerances Transverse Strength Abstraction	1 Test per 2000 Nos or As Required	829.00	Nos	1
9	Bricks	Water Absorption Efflorescence Size Compressive Strength	1 Test per 50000 Nos or As Required	107850.00	Nos	3

The Contractor shall have to pay 1% of the estimate cost put to tender towards all testing of materials & same shall be deducted from their bills for the works. The testing of various materials shall be carried out in GERI and result received shall be binding to all i.e. contractor & Govt.

Testing charges of GERI Shall be born by Govt. No. refund be made of extra charge over 1% shall be recoverable from the contractor.

**Deputy Executive Engineer
R&B Sub-Division, Rapar**

**Executive Engineer
R&B Division, Bhuj**