

## Road and Building Department

**NAME OF WORK: - CONSTRUCTION OF NEW AANGANVADI AT DIFFERENT PLACE IN BHUJ, DIST. KACHCHH, PKG-G (KOTDA-U, KUKMA-1, THARAVDA MOTA)**

### 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 below be 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.
1	Cement	1 Consistency	Up to 50 M ton 1 Test	68.05	MT	2
		2 Setting time	100 M ton 2 Test			
		3 Fineness	200 M ton 3 Test			
		4 Chemical Analysis	300 M ton 4 Test			
		5 Soundness	500 M ton 5 Test			
			800 M ton 6 Test			
			1300 M ton 7 Test and 8			
2	Steel	1 Tensile Strength	One test per 40 M ton per Category	11.33	MT	1-Test per each Category/ 40 M.T.
	T.M.T. Fe 500D	2.Yield Stress				
		3 Elongation				
		4 Size				
		5.Chemical Analysis				
3	C.C. Cube	1 Compressive strength	Qty (cmt) No.s of Test		Cmt.	
	M100		Up to 5 1			0
	M150 Ordinary		6 to 15 2			0
	M200 Ordinary		16 to 30 3	95.10		8
	M250 Controlled		31 to 50 4			0
			51 and above - 1 Test / 50			
4	Sand	1 Silt content	One test per work (1 Test/150Cmt)	239.01	Cmt.	3
		2.Gradation				
		Finees Modules				
5	Murum	PI Value	One test per work (1	16.80	Cmt.	1
6	Aggregate for C.C.Work	1 Water Absorption	One test per work (1 Test/150Cmt)	200.80	Cmt.	3
		2 Impact Value				
		3 Flakiness /				
		4 Gradation				

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.
		5 Stripping Value				
7	Water	Chemical Analysis	One test per Source			1
9	Tiles	Water Absorption Size Tolerances Transverse Strength	1 Test per 2000 Nos or As Required	659.00	Nos	1
10	CC Block	Water Absorption Efflorescence Size Compressive Strength	1 Test per 10000 Nos or As Required	4815.00	Nos	1

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.

NOTE: Above mention Testing nos are estimated, Actual No of testing may be Varies As per Site work.

**Deputy Executive Engineer**  
**R&B Sub-Division (P), Bhuj**

**Executive Engineer**  
**R&B Division (P), Bhuj**