

# JUNAGADH (R & B) DIVISION JUNAGADH

**Name of Work : Renovation of Dist. Tejory Office At Bahumali Bhavan . Junagadh.**

## Material test schedule

Sr. No.	Materials to be tested	Name of laboratory test	Frequency of testing	Remarks
1	2	3	4	5
1	Cement	Consistency	Upto 50 M.T. = 1 Sample	As per receipt of cement, one sample of 15 Kg. from 20 bags in consignment of 50 M.T. shall be taken for testing. Minimum one sample for each consignment less than 50 M.T. of cement received.
		Initial & Final setting time	50 to 100 M.T. = 2 Sample	
		Compressive strength	100 to 200 M.T. = 3 Sample	
		Fineness	200 to 300 M.T. = 4 Sample	
		Soundness	300 to 500 M.T. = 5 Sample	
		Specific gravity	500 to 800 M.T. = 6 Sample	
		Chemical analysis	800 to 1300 M.T. = 7 Sample and 8 Sample for large consignment	
2	Water	Potability	1 test per each source of supply per every working season.	Or as required while execution or change of source.
		Salinity		
		Chemical analysis		
3	Sand	Fineness modules	1 test per each source of supply per every working season.	Or as required while execution or change of quarry.
		Specific gravity		
		Water absorption		
		Clay & Fine silt content		
		Gradation test		
		Pentography exclusion		

Sr. No.	Materials to be tested	Name of laboratory test	Frequency of testing	Remarks
1	2	3	4	5
4	Crushed Stone aggregate	Specific gravity Soundness Water Absorption Impact Value Gradation Test Crushing Test Abrasion Value Flakiness	1 Test / 200 Cum	Or as required while execution or change of quarry.
5	TMT steel	Elongation Tensile Strength Bend and rebend test Yield Strength Dimension Test	One test per 20 M.T. for each categories & every lots supplied.	Or as required while execution
6	Cement concrete	Mix design	1 to 5 Cum. = 1 Test	One time test for each Concrete grade beyond M-200,M250
7	C.C. Cubes (Ordinary & Controlled C.C. )	Compressive Strength for 7 & 28 days (ii) Slump Test	1 to 5 Cum. = 1 Test 6 to 15 Cum = 2 Test 16 to 30 Cum = 3 Test 31 to 50 Cum = 4 Test 51 & above 4 + 1 test each 50 Cum.	Or as required while execution
8	White stone bela	Compressive strength Water absorption Soundness	1 Test per working season per quarry	Or as required while execution

Sr. No.	Materials to be tested	Name of laboratory test	Frequency of testing	Remarks
1	2	3	4	5
9	Tiles	Dimension Test Transverse Strength Water Absorption Abrasion Test	1 Test per manufacturer.	Or as required while execution
10	Construction Sub base of Sand	(i) Specific gravity (ii) Water absorption (iii) Alkali reactivity (iv) Slit content (v) Gradation (vi) Fineness modules	One test per working seasons or change of river	Or as required while execution
11	Paver Block M-300, 60mm thick	1. Compressive Strength 2. Transverse Strength 3. Absorption 4. Abrasion Test	1-Sample / 500-Sq.mt. 3 Test	Or as required while execution
11	Teak Wood	1. Anatomy Test 2. Density Test 3. Moisture Content Test		Or as required while execution

Note :-

- 1 The materials shall be tested in GERI Bill for testing shall be paid by the Deptt. and 1% (One percent) of amount put to tender from the running account bills of the work (As per G.R.(R&B) Deptt.No. TNC 1085/4/C Dt. 10-5-85.The Number of tests will be as per Manual of quality control or latest Govt. G.R./Circular and it will be considered final
- 2 Samples to be sent by contractor to GERI.
- 3 If directed by the Engineer in charge, the materials intended to be used for the work but not included in the above schedule shall also be got tested at Government recognized Laboratory or field Laboratory

Signature of Contractor

**Executive Engineer  
R. & B. Division  
Junagadh**