

JUNAGADH (R & B) DIVISION

JUNAGADH

Name of work : Construction of Category D-1 & D Type unit Residential Quarters for Revenue Officer at Keshod Dist. 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 Initial & Final setting time Compressive strength Fineness Soundness Specific gravity Chemical analysis	Upto 50 M.T. = 1 Sample 50 to 100 M.T. = 2 Sample 100 to 200 M.T. = 3 Sample 200 to 300 M.T. = 4 Sample 300 to 500 M.T. = 5 Sample 500 to 800 M.T. = 6 Sample 800 to 1300 M.T. = 7 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.
2	Water	Potability Salinity Chemical analysis	1 test per each source of supply per every working season.	Or as required while execution or change of source.
3	Sand	Fineness modules Specific gravity Water absorption Clay & Fine silt content Gradation test Pentography exclusiation	1 test per each source of supply per every working season.	Or as required while execution or change of quarry.
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.

Sr. No.	Materials to be tested	Name of laboratory test	Frequency of testing	Remarks
1	2	3	4	5
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	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
7	White stone bela	Compressive strength Water absorption Soundness	1 Test per working season per quarry	Or as required while execution
8	Tiles	Dimension Test Transverse Strength Water Absorption Abrasion Test	1 Test per manufacturer.	Or as required while execution
9	Paver Block M-200, 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
10	Teak Wood	1. Aratomy Test 2. Density Test 3. Moisture Content Test		Or as required while execution

Note :-

- 1 Testing of materials should be as per statement attached with the specification. 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.
- 2 Samples to be sent by contractor to GERI.

(Signature of Contractor)

Executive Engineer
R. & B. Division
Junagadh