

KALAVAD NAGARPALIKA

KALAVAD, DIST. JAMNAGAR

**NAME OF WORK : RESURFACING OF EXISTING ROAD DAMAGE BY HEAVY RAIN DURING MONSOON 2026-27, AT.
VARIOUS LOCATION OF KALAVAD NAGARPALIKA,DIST JAMNAGAR.**

Material test schedule

Sr. No.	Materials to be tested	Name of laboratory test	Frequency of testing	Remarks
1	2	3	4	5
1	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.
2	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.
3	Crushed Stone aggregate	Specific gravity Soundness Water Absorption Impact Value Gradation Test Crushing Test Abrasion Value Flakniness	1 Test / 150 Cu.m	Or as required while execution or change of quarry.

Sr. No.	Materials to be tested	Name of laboratory test	Frequency of testing	Remarks
4	H.B. Stone aggregate	Specific gravity Impact Value Flakiness Abrasion Value Crushing Test Water Absorption	Upto 100 Cum. one Test	Or as required while execution or change of quarry.
5	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.
6	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
7	C.C. Cubes (Ordinary & Controlled C.C.)	Compressive Strength for 7 & 28 days	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 Salt Efflorescence. Dimension & Tolerance.	1 Sample every 5000 Nos or change of quarry	Or as required while execution
9	Coursed Rubble Stone	Compressive strength Water absorption Salt Efflorescence. Dimension & Tolerance.	1 Sample every 5000 Nos or change of quarry	Or as required while execution

Sr. No.	Materials to be tested	Name of laboratory test	Frequency of testing	Remarks
10	Brick	Compressive strength	1 Sample every 5000 Nos or change of quarry	Or as required while execution
		Water absorption		
		Salt Efflorescence.		
		Dimension & Tolerance.		
11	Teak wood	Anatomy Test	1 Test per lot	Or as required while execution
		Density Test		
		Moisture content Test		
12	Tiels	Dimension Test	1 Test per manufacturer.	Or as required while execution
		Transverse Strength		
		Water Absorption		
		Abrasion Test		
13	Filling in excavation soil	Compaction Test	Every 200 Sq.Mt. Area	Or as required while execution or change of quarry.
		Specific gravity		
		Water absorption		
		Clay & Fine silt content		
14	Murrum	Compaction Test	Every 200 Sq.Mt. Area	Or as required while execution or change of quarry.
		Specific gravity		
		Water absorption		
		Clay & Fine silt content		

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

**Chief Officer
KALAVAD NAGARPALIKA
KALAVAD**