

**Work of Widening, Strengthening and Resurfacing of various road as and when required or in emergency under R&B Division, Vav-Tharad, Dist.-Vav-Tharad(Annual Rate Basis)**

**SCHEDULE OF TESTING OF MATERIALS**

For ensuring quality control and workmanship various tests prescribe 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. Recognised Laboratory (R. & B.) or field Laboratory of GERI (R. & B.) for which 1% of the estimated amount of tender shall be recovered from the contractor's R.A. Bill and Final Bills as the testing charges shall be paid by the Govt. to the GERI. How ever 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

It. No.	Material to be tested	Qty. of material	Type of test which shall be carried out.	Frequency @ which test shall be carried out	Total No. of test to be taken.
1	Bulk Asphalt	2080.87	Penetration test as per I.S.1203, Ductility test, Specification Gravity test, Softening point test, Viscosity test	For 1 to 10 Tanker - 1 test For 11 to 20 Tanker - 2 test For 21 to 50 Tanker-3 test	44 test
2	Cement	1777.73	Consistency, Shetting time, compressive strength, fineness, Chemical analysis, Soundness	Up to 50 T = 1 Test 100 T = 2 Test 200 T = 3 Test 300 T = 4 Test 500 T = 5 Test 800 T = 6 Test 1300 T = 7 Test and 8 test for larger consignment	8 test
3	Metal	16154.87	Gradation test, Impact value, Flekiness, index, water absorption, stripping value	1 to 100 cum= 1 Test 100 to 500 cum= 3 Test 500 to 1500 cum=5 Test	11 test
4	Kapachi	42512.08	Gradation test, Impact value, Flekiness, index, water absorption, stripping value	1 to 100 cum= 1 Test 100 to 500 cum= 3 Test 500 to 1500 cum=5 Test	15 test
5	Grit	2096.33	Stripping Value	1 to 100 cum= 1 Test 100 to 500 cum= 3 Test 500 to 1500 cum=5 Test	7 test
6	Sand	3375.94	fineness modules, Gradation, Silt content	1 Test per 200 Cum.	17 test
7	Stone Dust	21995.15		1 Test / 200 Cum.	110 test
8	CC M-100	614.00	Compressive Strength (IS- 516-1959)	Qty of CC(m3) No of Test 1-5 = 1 Test 6-15 = 2 Test 16-30 = 3 Test 31-50 = 4 Test 50 & above = 4+1 Test for each addition 50 m3	17 test
9	CC M-150	2333.00			51 test
	CC M-300	1680.00			37
15	Mix-Design (WMM, 25mm)				
16	Steel	12.29	Tensile stren., Yield stree, Elongation, Size	1 test for each Category / 40 mt per	1 test
17	Water		Chemical Analysis	1 test for each Sorce	1
18	Retro reflective sheeting for	2739.00	Class-C Type-11 Retro Reflective sheeting	3 Reading for 10 Boards for each	-
19	Hot applied thermoplastic for road marking	24.00	Retro Reflectivity, Skid Resistance	5 reading for every 5 km.	As per Schedule
			Binder, Glass Beads, Titanium Dioxide, Calcium Carbonate, Inert Filler	1 for each colour	1 test

It. No.	Material to be tested	Qty. of material	Type of test which shall be carried out.	Frequency @ which test shall be carried out	Total No. of test to be taken.
20	Road struds/Cat eyes/ Raised Pavement Markers	22458.00	Compressive Strength, Flexural Strength, Resistance to Lense Cracking, Les impact Strength, Coefficient of Luminous Intensity	1 for each colour/Brand/Lot	1 test

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 or extra charge over 1% shall be recoverable from the contractor.

  
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