

**Name of Work :-****Patan-Deesa Road Km.118/200 to 118/600 (Near Chakkar Major Bridge) (Diversion Work), Dist.Patan****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. Recognized 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	Test to be Carried out
1	Cement	571.00 MT	Consistency Shetting time Compressive Strength Fineness Chemical Analysis Soundness	Upto 50 MT = 1 Test 100 MT = 2 Test 200 MT = 3 Test 300 MT = 4 Test 500 MT = 5 Test 800 MT = 6 Test 1300 MT = 7 Test 1 Test for Every Additional 1300 MT	6 Test
2	Sand	897.00 Cum	Fineness Modules Gradation test Silt content	1 Test / 200 Cum.	5 Test
3	Kapachi for str	1,080.00 Cum	Gradation Test Impact Value Flakiness Index Water Absorption Stripping Value	0 to 100 Cum = 1 Test 100 to 500 Cum = 3 Test 500 to 1500 Cum = 5 Test 1500 to 5000 Cum = 7 Test 1 Test for Every Additional 5000 Cum	5 Test
4	Grit for Str.	720.00 Cum	Gradation Test Impact Value Flakiness Index Water Absorption Stripping Value	0 to 100 Cum = 1 Test 100 to 500 Cum = 3 Test 500 to 1500 Cum = 5 Test 1500 to 5000 Cum = 7 Test 1 Test for Every Additional 5000 Cum	5 Test
5	<b>GSB Grade-I</b> (Mix Material)	336.00 Cum	Gradation Test Impact Value Flakiness Index Water Absorption Stripping Value	0 to 100 Cum = 1 Test 100 to 500 Cum = 3 Test 500 to 1500 Cum = 5 Test 1500 to 5000 Cum = 7 Test 1 Test for Every Additional 5000 Cum	3 Test
6	<b>GSB Grade-III</b> (Mix Material)	579.00 Cum	Gradation Test Impact Value Flakiness Index Water Absorption Stripping Value	0 to 100 Cum = 1 Test 100 to 500 Cum = 3 Test 500 to 1500 Cum = 5 Test 1500 to 5000 Cum = 7 Test 1 Test for Every Additional 5000 Cum	5 Test

<b>It. No</b>	<b>Material to be tested</b>	<b>Qty. of Material</b>	<b>Type of test which shall be carried out.</b>	<b>Frequency @ which test shall be carried out</b>	<b>Test to be Carried out</b>

It. No	Material to be tested	Qty. of Material	Type of test which shall be carried out.	Frequency @ which test shall be carried out	Test to be Carried out
7	<b>WMM</b> (Mix Material)	<b>840.00 Cum</b>	Gradation Test Impact Value Flakiness Index Water Absorption Stripping Value	0 to 100 Cum = 1 Test 101 to 500 Cum = 3 Test 501 to 1500 Cum = 5 Test 1500 to 5000 Cum = 7 Test 1 Test for Every Additional 5000 Cum (Carried out 1 test for Each work)	5 Test
8	Soil	-----	Sieve Analysis Atterberg Limit Modified Proctor CBR	1 test for each Source	1 Test
9	Rubble	<b>980.00 Cum</b>	Specific Gravity Water Absorption Compressive Strength	0 to 100 Cum = 1 Test 101 to 500 Cum = 3 Test 501 to 1500 Cum = 5 Test 1500 to 5000 Cum = 7 Test 1 Test for Every Additional 5000 Cum (Carried out 1 test for Each work)	5 Test
10	<b>50mm BM</b> (Mix Material)	<b>330.00 MT</b>	Gradation Test Impact Value Flakiness Index Water Absorption Stripping Value	0 to 100 Cum = 1 Test 101 to 500 Cum = 3 Test 501 to 1500 Cum = 5 Test 1500 to 5000 Cum = 7 Test 1 Test for Every Additional 5000 Cum (Carried out 1 test for Each work)	3 Test
11	<b>25mm SDBC</b> (Mix Material)	<b>173.00 MT</b>	Gradation Test Impact Value Flakiness Index Water Absorption Stripping Value	0 to 100 Cum = 1 Test 101 to 500 Cum = 3 Test 501 to 1500 Cum = 5 Test 1500 to 5000 Cum = 7 Test 1 Test for Every Additional 5000 Cum (Carried out 1 test for Each work)	3 Test
12	Asphalt VG-30	<b>20.700 MT</b>	Penetration Test As IS 1203 Ductility Test Specification Gravity Test Softening Point Test Viscosity Test	1 to 1 Tanker 1 test 2 to 15 Tanker 2 test 16 to 50 Tanker 3 test 51 to 100 Tanker 4 test Remaining Every 50 Tanker 1 Test (Carried out 1 test for Each work)	1 Test
13	Emulsion SS-1	<b>2.250 MT</b>	Penetration Test As IS 1203 Ductility Test Specification Gravity Test Softening Point Test Viscosity Test	1 to 1 Tanker 1 test 2 to 15 Tanker 2 test 16 to 50 Tanker 3 test 51 to 100 Tanker 4 test Remaining Every 50 Tanker 1 Test (Carried out 1 test for Each work)	1 Test
14	CC Cube M-100	<b>476.00 Cum</b>	Compressive Strength (IS-516-1959)	1 to 5 Cum = 1 Test 6 to 15 Cum = 2 Test 16 to 30 Cum = 3 Test 31 to 50 Cum = 4 Test 50 & Above = 4+1 Test for Each Addition 50 Cum or Part thereof	15 Test

<b>It. No</b>	<b>Material to be tested</b>	<b>Qty. of Material</b>	<b>Type of test which shall be carried out.</b>	<b>Frequency @ which test shall be carried out</b>	<b>Test to be Carried out</b>

It. No	Material to be tested	Qty. of Material	Type of test which shall be carried out.	Frequency @ which test shall be carried out	Test to be Carried out
15	CC Cube M-150	1,415.00 Cum	Compressive Strength (IS-516-1959)	1 to 5 Cum = 1 Test 6 to 15 Cum = 2 Test 16 to 30 Cum = 3 Test 31 to 50 Cum = 4 Test 50 & Above = 4+1 Test for Each Addition 50 Cum or Part thereof	34 Test
16	CC Cube M-200	150.00 Cum	Compressive Strength (IS-516-1959)	1 to 5 Cum = 1 Test 6 to 15 Cum = 2 Test 16 to 30 Cum = 3 Test 31 to 50 Cum = 4 Test 50 & Above = 4+1 Test for Each Addition 50 Cum or Part thereof	8 Test
17	Steel	12.345 MT	Tensile Strength, Yield stress, Elongation, Size	1 / 40 tonne / per Category	1 Test
18	Water	-----	Chemical Analysis	1 test for each Source	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.

**Deputy Executive Engineer**  
**Road & Building Sub Division**  
**Siddhpur**

**Executive Engineer**  
**Road & Building Division**  
**Patan**