

**NAME OF WORK :- M & R to Various Road Under R & B Sub Division, Radhanpur (Santalpur Section part-02) (1) madhura-datrana-barara-dhokavada road km.0/0 to 11/980 ( Pro.Asphalt Patch work, Metal Patch Work & Other Misc. Work )**

### **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	Cement	2.94	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 consingment	1 test
2	Bulk Asphalt	11.13	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 For 51 to 100 Tanker-4 test Remaining every 50 tanker	1 test
3	Metal	108.84	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 1500 to 5000 cum = 7 Test	3 test
4	Kapachi	78.93	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 1500 to 5000 cum = 7 Test	1 test
5	Grit	121.54	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 1500 to 5000 cum = 7 Test	3 test
6	Stone dust	95.79		1 Test / 200 Cum.	1 test
7	Sand	4.30	fineness modules, Gradation, Silt content	1 Test per 200 Cum.	1 test
8	Rubble	15.00		1 Test per 250 Cum.	1 test
9	Quarry Spall	29.00	Gradation and Abrasion,	1 Test / 200 Cum.	1 test
10	CC M-150	10.00	Compresive 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	2 test
11	Water		Chemical Analysis	1 test for each Sorce	1 test
12	Mix-Design (GSB,WMM, SDBC, DBM)				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  
R & B Sub Division  
Radhanpur**