

**Name of Work :-****CR to Various Road Under R&B Sub Division, Patan**

- (1) Lanva - Manud - Sander - Balisana Road Km. 0/000 to 16/400
  - (2) Sinhi - Sander - Ranuj - Sankhari - Patan Road Km. 0/000 to 5/150
  - (3) Pimpal - Sarsav - Vasai - Finchal Road Km. 0/0 to 8/500
  - (4) Sander - Dabhadi - Ruvavi - Unava to SH Road Km. 0/0 to 7/500
  - (5) Islampura - Sojintra - Ganget Road Km. 0/0 to 2/750
  - (6) Delmal - Bhatsar - Vadali road Km 14/200 to 28/200
  - (7) Shihori - Patan Road Km. 9/460 to 34/000 (SH-130)
  - (8) Kansa - Charup - Kimbuva Road Km. 0/000 to 12/600 (MDR)
  - (9) Sinhi - Sander - Ranuj - Sankhari - Patan Road Km. 0/000 to 22/980
  - (10) Chanasma - Patan - Deesa Road Km. 94/400 to 95/500
  - (11) Harij - Patan Road Km. 15/000 to 27/000 (SH-10)
  - (12) Sujnipur - Dunawada Rod Km. 0/0000 to 13/800 (MDR)
  - (13) Bepader - Dunawada Road Km. 0/000 to 5/340
  - (14) CR to Maniyari - Mithighariyal to S.H.road km 0/00 to 7/825
  - (15) CR to Bhatsar - Dharmoda -Sedhal -Kharighariyal - Chandrumana road Km.0/00 to 6/7005
- (Asphalt Patch & 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. 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	<b>50mm BM</b> 26.50 to 19mm 19mm to 13.2mm 13.2 to 4.70mm 4.75mm to 2.36 Stone Dust	<b>395.00 MT</b> 13.04 60.04 120.08 39.11 28.44	Gradation Flakiness Impact Abrasion Crushing Elongation	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	3 Test
2	<b>50mm DBM</b> 26.50 mm.to 37.5mm 19mm.to 26.5mm 13.2mm.to 19.00mm 4.75 mm.to 13.2 mm 4.75mm.to 2.36mm 2.36mm.& below Stone dust	<b>370.00 MT</b> 12.21 29.23 36.63 53.65 27.01 80.66 4.81	Gradation Flakiness Impact Abrasion Crushing Elongation	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	3 Test
3	<b>25mm SDBC</b> 13.2mm to 9.50mm 9.50 mm to 4.75mm 4.75 mm to 2.36mm 2.36 mm to 0.075mm	<b>395.00 MT</b> 13.00 135.00 30.00 77.00	Gradation Flakiness Impact Abrasion Crushing	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	3 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	Test to be Carried out
	Stone Dust Filler	5.00	Elongation		
4	<b>30mm BC</b> 19 mm to 13.2 mm 13.2 mm to 9.5 mm 9.5 mm to 4.75 mm 4.75 mm to 2.36 Below 2.36 mm	<b>283.00 MT</b> 20.00 20.00 32.00 22.00 93.00	Gradation Flakiness Impact Abrasion Crushing Elongation	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	3 Test
5	<b>75mm BUSG</b> B.T. Metal 25 To 40 mm B.T. Metal 10 To 20mm B.T. Grit 6 To 10 mm	<b>89.00 MT</b> 44.00 9.00 6.00	Gradation Flakiness Impact Abrasion Crushing Elongation	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	1 Test
6	Asphalt VG-30	<b>67.080 MT</b>	Penetration test Sophening point test Ductility Viscosity test Specific gravity	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	4 Test
7	Emulsion SS-1	<b>1.360 MT</b>	Penetration test Sophening point test Ductility Viscosity test Specific gravity	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	4 Test
8	Emulsion RS-1	<b>13.700 MT</b>	Penetration test Sophening point test Ductility Viscosity test Specific gravity	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	4 Test
9	<b>WBM 150</b> 45mm to 63mm Grit 13.2mm Stone Dust	<b>270.95 Cum</b> 328.00 73.00 22.00	Gradation Flakiness Impact Abrasion Crushing Elongation	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	3 Test
9	<b>WMM</b> 45mm to 22.40mm 22.4mm to 2.36mm 2.36mm to 75 miron	<b>218.70 Cum</b> 87.00 115.00 87.00	Gradation Flakiness Impact Abrasion Crushing Elongation	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	3 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	Test to be Carried out
10	Kapachi for str	<b><u>130.00</u></b> <b>Cum</b>	Gradation Flakiness Impact Abrasion Crushing Elongation	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	3 Test
11	Grit for Str.	<b><u>0.00</u></b> <b>Cum</b>	Gradation Impact Value Abrasion test Specific Gravity Soundness Flakiness index	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	1 Test
12	Metal 40mm	<b><u>597.38</u></b> <b>Cum</b>	Gradation Flakiness Impact Abrasion Crushing, Elongation	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	5 Test
13	Sand	<b><u>710.00</u></b> <b>Cum</b>	Flakiness Silt content, C.B.R, Gradation test Specific Gravity Water Absorption	1 Test / 200 Cum.	4 Test
14	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**  
**Patan**

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