

**Name of Work :- Pamol Khadol Road Km 0/00 to 4/200 (FDR, Asphaltic Work, CC Road, Structure Work,
Road Furniture & Miscellaneous work) - CRIF Work-2025-26**

SCHEDULE FOR TESTING OF MATERIALS

For ensuring quality control and workmanship, various tests prescribed below for materials shall be taken at periodical intervals as stipulated below.

The materials shall be a got tested at Government recognised Laboratory, (R & B) or field Laboratory of GERI (R & B) for which 1 % of the estimated amount put to tender shall be recovered from the contracture from the RA bills and Final bills at the testing charges shall be paid to the GERI by the Government. However 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. & R & B Department G.R No. SSR - 1092 - 1 B 129 / 10 / C Dated 24-10-1994.

Item No as per Schedule "B"	Brief Decryption of Materials to Be Tested	Quantity of Materials	Prescription of Test Which Shall Be Carried out	Frequency @ Which Test shall be Carried out		Total No of Test To Be Taken
1	For WBM Work		Gradation Test	1 to 100 Cum	1 Test	Test
GSB	B.T. Metal 53 to 26.5 mm	102.90 Cum	Impact Value	101 to 500 Cum	3 Test	3 Test
BT	B.T. Metal 26.5 to 4.75 mm	132.30 Cum	Flakiness Index	501 to 1500 Cum	5 Test	3 Test
Unscreened Gravel (GSB)	Unscreened Gravel	- Cum	Abrasion Value	1501 to 5000 Cum	7 Test	0 Test
	Coarse Sand	- Cum	Water absorption			0 Test
GSB	B.T. Metal 53 mm to 9.5 mm	- Cum				0 Test
BT Gr-I	B.T. Kapchi 9.5 mm to 2.36	- Cum				0 Test
	Stone Dust below 2.36 mm	- Cum				0 Test
GSB	B.T. Kapchi 26.5 to 9.5 mm	- Cum				0 Test
BT Gr-IV	B.T. Kapchi 9.5 to 4.75 mm	- Cum				0 Test
	Stone Dust below 4.75 mm	- Cum				0 Test
WBM 40-63	B.T. Metal 40 to 63 mm	- Cum				0 Test
	B.T. Grit 13.2 to 4.75 mm	- Cum				0 Test
	Stone Dust	- Cum				0 Test
WBM 40-63 (II)	B.T. Metal 40 to 63 mm	- Cum				0 Test
	B.T. Grit 6 to 10 mm	- Cum				0 Test
	Stone Dust	- Cum				0 Test
WMM	B.T. Metal 53 mm to 22.4 mm	- Cum				0 Test
	B.T. Kapchi 22.4 mm to 11.2 mm	- Cum				0 Test
	B.T. Grit 11.2 mm to 2.36 mm	- Cum				0 Test
	Stone Dust (for all items)	515.15 Cum				5 Test
	Rubble	- Cum				0 Test
	B.T. Metal 40 to 63 mm	- Cum				0 Test
R.C.C. work	B.T. Kapachi 20 mm	514.63 Cum	Gradation Test	1 to 100 Cum	1 Test	5 Test
	B.T. Grit 6 to 10 mm	163.35 Cum	Impact Value	101 to 500 Cum	3 Test	3 Test
	Asphalt work	Cum	Flakiness Index	501 to 1500 Cum	5 Test	
	20 mm MSS		Abrasion Value	1501 to 5000 Cum	7 Test	
	B.T. Grit 5.6 To 11.2 mm	- Cum	Water absorption			0 Test
	B.T. Grit 2.8 To 5.6 mm	- Cum	Stripping Value			0 Test
	Stone Dust 0.09 To 2.8 mm	- Cum				0 Test
	37.5 / 75 mm BSG					
	B.T. Metal 25 to 40 mm	- Cum				0 Test
	B.T. Kapchi 10 to 20mm	- Cum				0 Test
	B.T. Grit 6 to 10 mm	- Cum				0 Test
	50 / 75 mm BM					
	B.T. Metal 19 to 26.5 mm	93.23 Cum				1 Test
	B.T. Kapchi 13.2 to 19 mm	428.84 Cum				3 Test
	B.T. Grit 4.75 to 13.2 mm	857.67 Cum				5 Test
	B.T. Grit 2.36 to 4.75 mm	279.68 Cum				3 Test
	Stone Dust 0.075 to 2.36 mm	205.10 Cum				3 Test
	25 mm SDBC					
	B.T. Kapchi 9.5 to 13.2 mm	40.52 Cum				1 Test
	B.T. Grit 4.75 to 9.5 mm	421.45 Cum				3 Test

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	B.T. Grit 2.36 to 4.75 mm	97.26 Cum				1 Test
	Stone Dust 2.36 to 0.075 mm	251.25 Cum				3 Test
	50 / 60 mm DBM					
	B.T. Metal 37.5 to 26.5 mm	- Cum				0 Test
	B.T. Metal 26.5 to 13.2 mm	- Cum				0 Test
	B.T. Grit 13.2 to 4.75 mm	- Cum				0 Test
	B.T. Grit 4.75 to 2.36 mm	- Cum				0 Test
	Stone Dust 2.36 to 0.075 mm	- Cum				0 Test
	30 / 40 mm BC					
	B.T. Kapchi 19.6 to 13.2 mm	- Cum				0 Test
	B.T. Kapchi 13.2 to 9.5 mm	- Cum				0 Test
	B.T. Grit 9.5 to 4.75 mm	- Cum				0 Test
	B.T. Grit 4.75 to 2.36 mm	- Cum				0 Test
	Stone Dust 2.36 to 0.075 mm	- Cum				0 Test
3	Murum	- Cum	P.I Value	One Test Per 50 Cum		0 Test
4	GSB (Unscreened Gravel)	Cum	Silt Content	One Test Per 150 Cum		0 Test
4 -A	Sand / Coarse Sand	339.12 Cum	Silt Content	One Test Per Source		3 Test
5	Quarry Spall	730.80 Cum	CBR Test	One Test Per work		5 Test
5-A	Rubble	-	Gradation Test	One Test Per 200 Cum		0 Test
6	Asphalt Asphalt For Mixing	163.90 M.T. M.T.	Penetration Test As Per I.S 1203	<u>No Of Tanker</u> 1 5 to 10 11 to 20 20 to 50 50 to 500 Above 501 (4 + 1Additional Test for Every 50 Tanker)	<u>Test</u> 1 1 2 3 4	2 Test
			Ductility Test Specification Gravity Test Softening Point Test Viscosity Test	As Per I.S 1208 As Per I.S 1202 As Per I.S 1204 As Per I.S 1206		
7	Tack Coat	M.T.	Binder Temperature For Application Rate Of Spread of Binder	Irregular close in Intervals Two Tests Per Day		
8	Carpet, BM, DMB, BC	4,053.00 M.T.	Gradation @ Plant Site	One Test Per 100 MT Mix & Minimum Two Test Per Day		41 Test
	20 mm MSS	- M.T.	Binder Content @ Plant Site Temperature of	One Test Per 100 MT Mix & Minimum Two Test Per Day		41 Test
	50 / 60 mm DBM	- M.T.	Binder in Boiler aggregates	Regular Control through Checks		
	30 / 40 mm BC	- M.T.	in the Drayer and mix at			
	37.5 / 75 mm BSG	- M.T.				
	50 mm B.M.	2,825.00 M.T.	the time of laying and			
	25 mm S.D.B.C.	1,228.00 M.T.	rolling. Rate of Spreader Mix Materials	Regular Control through Checks on Layer Thickness		
9	Bricks	- No	Water Absorption Effloresce Size Compressive Strength	One Test Per 50000 Bricks		0 Test

Item No as per Schedule "B"	Brief Decryption of Materials to Be Tested	Quantity of Materials	Prescription of Test Which Shall Be Carried out	Frequency @ Which Test shall be Carried out	Total No of Test To Be Taken
9	Cement	239.70 M.T.	Consistency Setting Time Compressive Strength Fineness Chemical analysis Soundness	As Per GERI Manual 2002 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 For Large Consignment 8 Test	4 Test
10	Steel	7.260 M.T.	Tensile Strength Yield Stress Elongation Size	1 Test / 40 Tonnes Per Category	1 Test / 40 Tonnes Per Category
11	C.C Cube M-100 (1:3:6) M-150 (1:2:4) M-200 M-250 M-300 M-400 M-81	Cum - Cum 375.00 Cum - Cum 330.00 Cum - Cum - Cum - Cum	Compressive Strength (I.S 516-1959)	<u>Qty In CUM</u> 1 to 5 6 to 15 16 to 30 31 to 50 51 And Above (For each additional 50 Cum or Part thereof)	<u>Test</u> 1 2 3 4 4+1 0 Test 11 Test 0 Test 10 Test 0 Test 0 Test 0 Test

* The number of tests will be as per Manual of Quality Control or Latest Govt. G.R / Circulars will be Final

The Contractor shall have to pay 1% of the estimate cost put to tender towards all testing of materials & the 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. The Contractor and Government.

Testing charges of GERI shall be born by the Government. No refund be made nor extra charges over 1 % shall be recoverable from the Contractor.

Signature of Contractor


Deputy Executive Engineer
R & B Sub-Division,
ANAND.


Executive Engineer
R & B Division,
ANAND.

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