

**Name of Work :- Construction of Major Bridge on Damanganga River at Aslona Bilona Mohapada Near Davleshwar Mahadev Temple**

**SCHEDULE OF MATERIAL TESTING**

Sr. No.	Material	Qty. of Material	Unit	Type of Test	Frequency of test	Total No. of test to be carried out.	Remarks
1	2	3	4	5	6	7	8
1	B.T. chips 53mm to 9.5 mm	472.82	Cum	Gradation, Flakiness, Impact, Abrasion, Stripping value, Crushing Strength	100 Cum 1 101-500 3 501-1500 5 1501-5000 7	3	
2	B.T. chips 9.5 mm to 2.36 mm	189.13	Cum	-- do --	-- do --	3	
3	2.36mm below	283.69	Cum	-- do --	-- do --	3	
4	B.T. chips 26.5 mm to 9.5 mm	0.00	Cum	-- do --	-- do --	3	
5	B.T. chips 9.5 mm to 4.75 mm	18.97	Cum	-- do --	-- do --	3	
6	4.75 mm below	0.00	Cum	-- do --	-- do --	3	
7	B.T. Kapachi 19 to 13.2 mm	17.15	Cum	-- do --	-- do --	1	
8	B.T. chips 45 to 22.4 mm	215.03	Cum	-- do --	-- do --	3	
9	B.T. chips 22.4 to 2.36mm	286.71	Cum	-- do --	-- do --	3	
10	B.T. chip 2.36 to 75 micron	215.03	Cum	-- do --	-- do --	3	
11	B.T. chip 10mm to 20mm	5348.00	Cum	-- do --	-- do --	5	
12	B.T. chips 37.5 mm to 26.50 mm	20.03	Cum	-- do --	-- do --	1	
13	B.T. Kapachi 26.5 mm to 13.2mm	100.00	Cum	-- do --	-- do --	1	

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1	2	3	4	5	6	7	8
14	B.T. Grit 13.2mm to 4.75 mm	166.20	Cum	-- do --	-- do --	3	
15	B.T. Grit 4.75 mm to 2.36 mm	72.76	Cum	-- do --	-- do --	1	
16	Stone dust	177.01	Cum	-- do --	-- do --	3	
17	Sand	14273.00	Cum	Gradation, Silt content, Fineness Modular, Water absorption	-- do --	7	
18	TMT Bars	1301.00	M.T.	Tensile strength, Yield Stress % elongation	1 test / 50 M.T. for each	1 test per each category	
19	Asphalt VG-40 grade	38.30	M.T.	Penetration, Softening, Point ductility, ViscoDist., Specific gravity, Qty. of binder	(A) At GERI Lab 5-10 tanker - 1 Test 11 - 20 Tanker - 2 Test 21-50 Tanker - 3 Test 51-100 Tanker - 4 Test 101 & above - 4+1 test for every 30 Tanker or part of thereof. (B) Gradation Test & Asphalt extraction test - 2 test per day.	As per norms	
20	Cement (O.P.C.)	4999.00	M.T.	Setting time, Compressive strength, Consistency, Soundness	1 test / 50 MT	100	
21	C.C. Cube M-15	1201.64	Cum	Compressive Strength	1 to 5      1 test 6 to 15      2 test 16 to 30      3 test 31 to 50      4 test	As per norms	
22	C.C. Cube M-30	33.00	Cum	Compressive Strength	-- do --	As per norms	
23	C.C. Cube M-35	10197.00	Cum	Compressive Strength	-- do --	As per norms	

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1	2	3	4	5	6	7	8
24	C.C. Cube M-40	53.00	Cum	Compressive Strength	-- do --	As per norms	
25	C.C. Cube M-45	---	Cum	Compressive Strength	-- do --	As per norms	
26	Water	---		Chemical Test	1 test for season	1	
27	Retro reflective sheeting for the signage	12.00	No.	Co-efficient of Retro Reflection.	3 readings for 10 boards for each colour.	As per norms	
28	Cat eye	716.78	No.	Co-efficient of Luminous Intensity - ASTM D4280	1 sample for each colour.	As per norms	
29	Hot applied Thermoplast Road marking	309.11	Sq.m.	(RL) Retro Reflectivity (mcd/m <sup>2</sup> /lux) Proportions of constituents of Marking Material Skid Resistance	5 readings for every 5 Km.	As per norms	
30	Quarry spaul	0.00	Cum	Gradation, Crushing Strength	100 Cum 1 101-500 3 501-1500 5 1501-5000 7	1	

**Note :- In case of excess in quantity. Further more test shall be carried out as per required frequency.**

Deputy Executive Engineer  
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