

Name of Work : Palanpur - Deesa Road from Km 0/0 to Km 1/400 (8-Lane work with Service Roads, Footpaths, Drainage Systems, Utility Shifting, Grade Correction, Junction Improvements, Road Furniture, and Other Miscellaneous Works)

SCHEDULE FOR TESTING OF MATERIALS

Sr. No.	Materials	Qty. Of Material	Prescription of test Which Will Be Carried Out	Frequency @ Which test shall be carried out	No. Of test to be taken
1	Granular Sub Base	14443.00 CMT	Gradation Test	One Test Per 200 Cmt.	73
			Atteberg Limits, Impact value		
			Moisture Content		
			Density Of Compected Layer		
			California Baring Ratio, Soundness	One Test Per 3000 Cmt.	5
2	Water Bound Macadam (45-63)	0.00 CMT	Gradation Test, Soundness	One Test Per 200 Cmt.	0
			Sp. Gravity & Water Absorption		
			Flakiness & Elongation Index		
			Impact, Crushing & Abrasion Value		
3	Wet Mix Macadam	6304.00 CMT	Gradation Test, Soundness	One Test Per 200 Cmt.	32
			Sp. Gravity & Water Absorption		
			Flakiness & Elongation Index		
			Impact, Crushing & Abrasion Value		
			Density Of Compected Layer	One Test Per 500 Cmt.	13
4	Asphalt			No. of Tanker	Test
4A	Asphalt	715.82 MT	Penetration	1 to 10	1
			Ductility, Softning Point	11 to 20	2
			Specific Gravity	21 to 50	3
			Absolute & Kinematic Viscosity	51 to 100	4
			Solubility in Trichloroethylene	Remaining every 50 Tanker	1
			Test as per Specification		
4B	BSG (MT)	0.00	Gradation Test, Soundness	One Test Per 200 Cmt.	0
	BM (MT)	1784.00	Sp. Gravity & Water Absorption		6
	MSS (MT)	0.00	Flakiness & Elongation Index		0
	DBM (MT)	8730.00	Impact, Crushing & Abrasion Value		29
	BC (MT)	4769.00			16
5	Cement	473.50 MT	Consistency	Up to 50 T	1
			Initial & Final setting time	100 t	2
			Fineness by blain air permeability	200 T	3
			Fineness by dry sieving	300 T	4
			Soundness by Le-Chatlier method	500 T	5
			Compressive strength of mortar cube	800 T	6
				1300 T	7
				and 8 test for larger consingmen	
6	Steel	0.00 MT	Tensile Strength, Yield Stress	1 Test / 40 tonnes / per category	0
			Mass per Meter, TS/YS Ratio		
			Elongation		
			Bend, Rebend		
			Chemical Test		


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
SCHEDULE FOR TESTING OF MATERIALS

Sr. No.	Materials	Qty. Of Material	Prescription of test Which Will Be Carried Out	Frequency @ Which test shall be carried out		No. Of test to be taken
7	Cement Concrete Work					
	M 100	1124.00	Cube Strength (IS:516)	1 to 5 cmt	1 No.	26
	M 200	66.00	Workability slump cone (IS:1199)	6 to 15 cmt	2 No.	5
	M 400	323.00		16 to 30 cmt	3 No.	10
				31 to 50 cmt	4 No.	
	(CMT)			51 & above 4 + One Additional Sample for Each 50 cmt or part there of.		
7A	Metal, Gravel (1/150 m ³ For Concrete)	1513.00 CMT	Gradation Test, Soundness	1/150 m ³ For Concrete		11
			Sp. Gravity & Water Absorption			
			Flakiness & Elongation Index			
			Impact, Crushing & Abrasion Value			
7B	Sand (1/150 m ³ For Concrete)	1513.00 CMT	Gradation test	1/150 m ³ For Concrete		11
			Special Gravity & Water Absorption			
			Fineness Modulus			
			Silt – Content, Soundness			
9	Earth Work	13685.00 CMT	Moisture Content (IS 2720 Part 2)	One test per 250 Cmt		55
			Sand Content (IS 2720 Part 4)	Two test per 3000 Cmt		10
			Field Dry Density (IS 2720 Part 8)			
			Liquid Limit / Plasticity Limit			
			CBR (IS 2720 Part 16)	One test Per 3000 Cmt		5
10	Water		Suspended Solids (IS 3025 Part 17)	Samples taken at each source tested at an approved test house		1
			Sulphets (IS 3025 Part 24)			
			Chlorides (IS 3025 Part 32)			
11	Concrete Pipe	3685.00 RMT	Dimensions	At factory before delivery		
			Manufacturing defects	Manufacturer's certificate		
			Tolerances (IS:458)			
			Three edge bearing test (IS:3597)			

Note:

1. Number of Tests may be varying as per the Actual Work executed on site.
2. This Testing Schedule is for reference only, additional material and number of tests to be followed by MORTH Guideline & Engineer in charge.


 Dy. Executive Engineer
 R.&B. Sub Division
 Palanpur


 Executive Engineer
 R.&B. Division
 Palanpur