

SCHEDULE FOR TESTING OF MATERIALS

Name of Work :: Construction of various Road in Nadiad taluka Dis. Kheda Under MMGSY (OWR) Yojna year 2025-26 Package No.:- 30

Sr. No	Materials	Qty. of Material		Prescription of test which will be carried out	Frequency @ Which Test shall be Carried out		Total No of Test To Be Taken							
1	Granular Sub Base	87.00	Cum	Gradation Test	One Test Per 200 Cmt.		0	Nos						
				Atteberg Limits										
				Moisture Content										
				Density of Compacted Layer										
				California Baring Ratio (C.B.R.)	One Test Per 3000 Cmt.		1	Nos						
2	Water Bound Macadam													
	WBM (45-90)	2130.30	Cum	Gradation Test	1 to 100 Cmt.	1 No.	7	Nos						
	WBM (45-63)	3077.10	Cum	Aggregate Impact Value	100 to 500 Cmt.	3 No.	7	Nos						
				Flakiness & Elongation Index	500 to 1500 Cmt.	5 No.								
				Atteberg Limits	1500 to 5000 Cmt.	7 No.								
3	Wet Mix Macadam	0.00	Cum	Gradation Test	One Test Per 200 Cmt.		0	Nos						
				Aggregate Impact Value										
				Flakiness & Elongation Index										
				Atteberg Limits										
				Density of Compacted Layer	One Test Per 500 Cmt.		0	Nos						
3A	Quarry Spall	648.00	Cum	Gradation Test	One Test Per 200 Cmt.		4	Nos						
				Atteberg Limits										
				Moisture Content										
				Density of Compacted Layer										
				California Baring Ratio (C.B.R.)	One Test Per 3000 Cmt.		1	Nos						
4	Asphalt				No. of Tanker	Test								
4A	Asphalt	104.900	M.T.	Penetration	1 to 10	1	5	Nos						
				Ductility	11 to 20	2								
				Softning Point	21 to 50	3								
				Specific Gravity	51 to 100	4								
				Viscosity	Remaining every	1								
				Test as per Specification	50 Tanker									
4B	BSG (MT) 25 to 40 mm 10 to 20 mm 6 mm	1532.28	M.T.	Gradation Test	1 to 100 Cmt.	1 No.	7	Nos						
				Aggregate Impact Value	100 to 500 Cmt.	3 No.								
				Flakiness & Elongation Index	500 to 1500 Cmt.	5 No.								
				Atteberg Limits	1500 to 5000 Cmt.	7 No.								
	Carpet (MT) 10 to 20 mm 6 to 10 mm	1072.590	M.T.				5	Nos						
	Sealcoat (MT) 6 mm stone dust	557.19	M.T.				5	Nos						
5	Cement	335.77	M.T.	Setting time (IS:4031 Part 5)	Up to 50 T	1	5	Nos						
				Soundness (IS:4031 Part 3)	100 T	2								
				Compressive strength of mortar cube (IS:4031 Part 6)	200 T	3								
					300 T	4								
					500 T	5								
					800 T	6								
					1300 T	7								
				and 8 test for larger consingment										

Sr. No	Materials	Qty. of Material		Prescription of test which will be carried out	Frequency @ Which Test shall be Carried out	Total No of Test To Be Taken		
6	Steel	2.13	M.T.	Tensile Strength	1 Test / 40 tonnes / per category	1	Nos	
				Yield Stress				
				Elongation				
				Size				
				Chemical Test				
7	Cement Concrete Work							
	M 100	144.80	Cum.	Cube Strength (IS : 516)	1 to 5 Cmt.	1 No.	6	Nos
	M 150	852.00	Cum.	Workability slump cone (IS : 1199)	6 to 15 Cmt.	2 No.	21	Nos
	M 200	0.00	Cum.		16 to 30 Cmt.	3 No.	0	Nos
	M 250	0.00	Cum.		31 to 50 Cmt.	4 No.	0	Nos
	M 300	112.00	Cum.		51 & above 4 + One additional sample for each 50 Cmt. Or part there of		6	Nos
8	Sand	582.92	Cum.	Silt Factor	Per Source			
9	Earth work	9531.06	Cum.	Moisture Content (IS 2720 Part 2)	One Test per 250 Cmt.	39	Nos	
				Sand Content (IS 2720 Part 4)	Two Test per 3000 Cmt.	8	Nos	
				Field Dry Density (IS 2720 Part 8)				
				Liquid Limit / Plasticity Limit				
				CBR (IS 2720 Part 16)	One Test per 3000 Cmt.	4	Nos	
10	Murum	0.00	Cum.	P. I. Value	One Test per 50 Cmt.	0	Nos	
11	Water			Suspended Solids (IS 3025 Part 17)	Sample taken at each source tested at an approval test house	1	Nos.	
				Sulphets (IS 3025 Part 24)				
				Chlorides (IS 3025 Part 32)				
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.							

Deputy Executive Engineer
R & B Sub Division
Nadiad

Executive Engineer
R & B Division
NADIAD.