

Name of Work:- Construction of Amra-Shapar Road of Jamnagar Taluka under MMGSY Yojana Package No. JAM/ BUJ/ MMGSY/ NP/2021-22/P-10 (Remaining Work)

Testing Schedule

Sr.No.	Materials	Total Quantity	Name of Laboratory Test	Frequency of Test	Total Nos. of Test to be carried out	Remarks
1	Aggr. For road work (a) M.C. Metal 40 to 63mm (b) M.C. Metal 6 to 10mm (c) Stone dust		(1) Gradation (2) Flakiness (3) Impact (4) Abrasion (5) Crushing Strength	Upto 100 cmt. -1 test 101 to 500 cmt. -3 test 501 to 1500 cmt. - 5 test 1501 to 5000 cmt. - 7 test Minimum one Test for one work.	3-Test 1-Test 1-Test	
2	Earth work for embankment		1. Density test (IS 2720 Part VII) 2. Moisture content (IS 2720 Part II) 3. Sand Content (IS 2720 Part IV) 4. Plasticity Test (IS 2720 Part V)	One test per 250 Cum of soil One test per every 250 Cum of soil Two test per 8000 Cum of soil Each type to be tested. Two test per 8000 Cum of soil	3 Test 3 Test 1 Test 1 Test	
3	Curry spall		CBR Value	One test per 50 cmt	13 Test	
4	Cement		1. Consistency 2. Setting time 3. Compressive strength 4. Soundness 5. Specific gravity 6. Fineness	1 Sample of 15 Kg per 50 MT 2 Sample 100 MT 3 Per 200 MT 4. Per 300 MT 5 Per 600 MT 6 per 800 MT 7 Per 1300 MT	4 Test	As per receipt of materials in store collect 15 Kg. Sample from 20 bags in consignment of MT 1. Test 50 MT 2. Test 100 MT 3. Test 200 MT
5	Sand		1. Fineness Modular 2. Specific gravity 3. Water absorption 4. Alkali reaction 5. Silt content 6. Gradation	1 Test per working seasons, per Quarry / River	1 Test	

Sr.No.	Materials	Total Quantity	Name of Laboratory Test	Frequency of Test	Total Nos. of Test to be carried out	Remarks
6	Crushed stone aggregate for concrete work		1. Gradation 2. Water absorption 3. Impact value 4. Absorption 5. Specific gravity 6. Soundness 7. Flakiness	One test for season Upto 100 Cum 1 Test 101 to 500 3 Test 501 to 1500 5 Test 1501 to 5000 7 Test	5-Test	
7	C.C. Cube (a) M-100 (b) M-150 (c) M-250		1. Compressive strength (7 Days & 25 Days)	1 to 5 Cum -1 No. 6 to 15 Cum - 2 No. 16 to 30 Cum – 3 No. 31 to 50 Cum – 4 No. 51 & above - 4+1 No (there of)	As per Col. No.5	51 above and one additional sample for 50 Cum.
8	Water	-	1. Portability test 2. Chemical Analysis 3. Salinity	1 Test during execution & as required 1 Test Source of water	As per Col. No.5	
9	(a) Mild Steel.		1. Yield Elongation Test IS : 1608 1972 2. Bent Test IS : 1590 196 3. Releained (In case of HYSD bar only.	1 per 40 MT 1 per 20 MT 1 per 20 MT	1 test per each category 1 test per each category 1 test per each category	If consigement is less than specification in column.
10	B.M., Carpet, Seal Coat B.M. :- Crushed aggregate 20 to 25mm 12 to 20mm 10 to 12mm Stone dust Carpet : 10 to 20mm		1. Aggregate Impact value 2. Flakiness Index 3. Gradation 4. Abrasion 5. Stripping value and water absorption 6. Crushing strength 7. Temperature of binder 8. Binder contants 9. Gradation at plant site	Upto 100 Cum - 1 Test 101to 500 Cum - 3 Test 501 to 1500 Cum - 5 Test 1501 to 5000 Cum - 7 Test	3 Test 3 Test 3 Test 3 Test 3 Test	

Sr.No.	Materials	Total Quantity	Name of Laboratory Test	Frequency of Test	Total Nos. of Test to be carried out	Remarks
	6 to 10mm Seal Coat :- Crushed aggregate 6mm grit 3. Asphalt		10. Rate of spreading of materials 11. Quality of binder (Asphalt) For tack coat 1- Binder temperature 2- Rate of spreading of binder	At regular interval Two test per day per plant Two test per day per plant Regular control thoroughly at joint on materials and layer thickness No. of Tanker No. of Test 1 to 10 1 11 to 20 2 21 to 50 3 51 to 100 4 Above 100 1 Test per Each 50 Tanker At regular close interval Two test per day	1 Test 3-Test 1- Test	

Signature of Contractor

Executive Engineer
Panchayat (R&B) Division
Jamnagar.