

**Name of Work:-**

Constructing C.D.Work on Plaswada Chatuvad Road ( V.R / No Plan ) Taluka:- Sagbara.. Distict:- Narmada.

### 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 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 contractor from the R.A. bills and final bills at the testing charges shall be paid to the GERI by the Government. However if the crarges increase over 1% no excess recovery shall be made form the contractor as per resolution of B & C Department dated 10th, May 1985 vide TNC/1085 (4) s.

Item No. as per Schedule 'B'	Brief Description of materials to be tested.	Qty. of Materials	Unit	Prescription of test which shall be carried out	Frequency @ which test shall be carried out	Total Nos of test to be taken
1	2	3	4	5	6	7
	45 to 90 MC.Metal	0.00	Cum	*Gradation test	1 to 100 - cum. 1 test	Nos.
				*Impact Value	100 to 500 - cum. 3 test	
				*Flakiness Index of	500 to 1500 - cum. 5 test	
	40 to 63 M.C.Metal	25.00	Cum	*Gradation test	1 to 100 - cum. 1 test	01 Nos
				*Impact Value	100 to 500 - cum. 3 test	
				*Flakiness Index of	500 to 1500 - cum. 5 test	
					1500 to 5000 - cum. 7 test	
	25 to 40 M.C.Metal		Cum	*Gradation test	1 to 100 - cum. 1 test	
				*Impact Value	100 to 500 - cum. 3 test	
				*Flakiness Index of	500 to 1500 - cum. 5 test	
					1500 to 5000 - cum. 7 test	
	20 to 53 M.C.Metal		Cum	*Gradation test	1 to 100 - cum. 1 test	
				*Impact Value	100 to 500 - cum. 3 test	
				*Flakiness Index of	500 to 1500 - cum. 5 test	
					1500 to 5000 - cum. 7 test	
	10 to 20 M.C..Metal		Cum	*Gradation test	1 to 100 - cum. 1 test	
				*Impact Value	100 to 500 - cum. 3 test	
				*Flakiness Index of	500 to 1500 - cum. 5 test	
					1500 to 5000 - cum. 7 test	

Item No. as per Schedule 'B'	Brief Description of materials to be tested.	Qty. of Materials	Unit	Prescription of test which shall be carried out	Frequency @ which test shall be carried out	Total Nos of test to be taken
1	2	3	4	5	6	7
	Kapchi		<b>Cum</b>	*Gradation test	1 to 100 - cum. 1 test	
				*Impact Value	100 to 500 - cum. 3 test	
				*Flakiness Index of	500 to 1500 - cum. 5 test	
					1500 to 5000 - cum. 7 test	
	Grit		<b>Cum</b>	*Stripping Value	One test per work	
	Supplying of Quarrryspall		<b>Cum</b>	*P.I.Value	One test per work	
	Supplying of Sand/		<b>Cum</b>	*Silt Content	One test per work	
	Stonedust		<b>Cum</b>	*Gradation	One test per work	
	Asphalt	<b>0.00</b>	<b>M.T.</b>	*Penetration Test	Tanker test in Geri Lab. Only	
				as per I.S. 1203	Up to 10 1	<b>0Nos.</b>
					11 to 20 2	
					20 to 50 3	
					Above 50 one per Tanker	
				Ductility Test	As per I.S. 1208	
				Specification Gravity test	As per I.S. 1202	
				Softening point test	As per I.S. 1204	
				Viscosity test	As per I.S. 1206	
				Quality of binder test	3 test per 2 tankers on plant site.	
	Tack Coat			*Binder Temperature for applica	Irregular close in intervals	
				*Rate of spread of Binder.	2 test per Day.	
	Carpet & Seal Coat. Mix	<b>0.00</b>	<b>M.T.</b>	Grading	One Test on Individual	<b>1</b>
				Temperature of binder in Boiler aggregates in the dryer and mix at the time of laying and rolling. ( Binder content vide 45/MD. 2172)	Constituents and mixed aggregates from the dryer for each 100 tonnes of mix subject to minimum of Two tests per plant per day. One Test for each 100 tones of mix subjects to minimum of two per Day.	<b>07 Nos</b>
				Rate of Spreaded mix materials.	Regular control through checks on layer thickness.	

Item No. as per Schedule 'B'	Brief Description of materials to be tested.	Qty. of Materials	Unit	Prescription of test which shall be carried out	Frequency @ which test shall be carried out	Total Nos of test to be taken
1	2	3	4	5	6	7
	Bricks			*Water absorption	1 test @ 50,000 Bricks	
				*Efflorence		
				Size		
				*Strength Comprehensive		
	Cement (OPC)	28.00	M.T.	*Consistency, Soundness	1 test @ 50.0 M.T. 100 T 2 tests, 200T 3 tests, 300 T 4 tests, 500 T 5 tests, 800 T 6 tests, 1300 T 7 tests & 8 testd for large consinment.	3 Nos
				*Setting time, Fineness Test		
				*Compressive Strength.		
	Steel	HYSD	M.T.	*Tensile, (TMT)	As per Manual of Quality Control 1 test/40 tonnes / per category	
		0.00		Yield		
		TMT	M.T.	*Elongation		
		0.00		Size		
		TMT 500 D				
		0.700				1 Nos
	C.C.Cube Test 1:2:4			*Compressive Strength.	1 to 5 cmt - 1 No	
	M200	0.00	Cum		6 to 15 cmt - 2 No	0
	M150	81.00			16 to 20 cmt - 3 No	5
	M 1:2:4	..			20 to 50 cmt - 4 No	..
	M250	39.40			51 to above - 4 +1 additional sample for each 50 cu.mt. Or part there of.	0

**Note :-** Apart from above Listed materials for carrying out Various tests during Road / Structure Construction Works, if any other than above mentoned material/s are to be used during Road / Structure construction work then it must be tested as per prevailling criteria of Govt. of Gujarat ( R & B Deptt. ) and Necessary tests should be carried out as per Prevailling Norms..

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 work. 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 Govt. No refund be made not extra charges over 1% shall be recoverable from the contractor.

Signature of Contractor.

Deputy Executive Engineer  
Panchayat ( R & B ) Sub Division  
Dediapada

Executive Engineer  
Panchayat ( R & B ) Division  
Rajpipla.