

**CONSTRUCTION OF MINOR BRIDGE BOX CELL ON MANDAL-RAKHIYANA ROAD, TA VIRAMGAM,
DIST AHMEDABAD.(PKG. NO. MMGSY/SCSP/STRUCTURE/03/2025-26)**

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	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
	Rubble	1274.06	*Gradation test *Impact Value *Flakiness Index of	1 to 100 - cum. 1 test 100 to 500 - cum. 3 test 500 to 1500 - cum. 5 test 1500 to 5000 - cum. 7 test	5
	26.5 to 53 B.T.Metal	1333.51	*Gradation test *Impact Value *Flakiness Index of	1 to 100 - cum. 1 test 100 to 500 - cum. 3 test 500 to 1500 - cum. 5 test 1500 to 5000 - cum. 7 test	5
	45 to 63 M.C.Metal		*Gradation test *Impact Value *Flakiness Index of	1 to 100 - cum. 1 test 100 to 500 - cum. 3 test 500 to 1500 - cum. 5 test 1500 to 5000 - cum. 7 test	
	Kapchi	5814.19	*Gradation test *Impact Value *Flakiness Index of	1 to 100 - cum. 1 test 100 to 500 - cum. 3 test 500 to 1500 - cum. 5 test 1500 to 5000 - cum. 7 test	8
	Grit	124.16	*Stripping Value	As above	3
	stone dust	314.27	*P.I.Value	As above	3
	Supplying of Quarry spall		*Silt Content	As above	
	Sand	2622.32	*Gradation, FM, SC	One Test per every 200 Cmt.	5
	Asphalt	1.802 M.T.	*Penetration Test as per I.S. 1203	Tanker test in Geri Lab. Only Up to 10 1 11 to 20 2 20 to 50 3 Above 50 one per Tanker	1
			Ductility Test	As per I.S. 1208	
			Specification Gravity tes	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.	
	Bricks		*Water absorption	1 test @ 50,000 Bricks	
			*Efflorence		
			Size		
			*Strength Comprehensive		

	Cement	2307.058	*Consistency	1 test @ 50.0 M.T. 100 T 2 tests,	8
		M.T.	*Setting time	200 T 3 tests, 300 T 4 tests, 500 T 5 tes	
			*Compressive Strength.	800 T 6 tests, 1300 T 7 tests & 8 testd for large consingment.	
	Steel	197.649	*Tensile, (TMT)	As per Manual of Quality Control	1 Test Per Category
		TMT	Yield	1 test/40 tonnes / per category	
			*Elongation		
			Size		
		HYSD	Yield	1 test/40 tonnes / per category	
			*Elongation		
			Size		
	C.C.Cube Test 1:2:4	Cmt	*Compressive Strength.	1 to 5 cmt - 1 No	
	1:4:8				
	M100			6 to 15 cmt - 2 No	
	M150	1129.71	*Compressive Strength.	16 to 20 cmt - 3 No	26
	M200	1683.66		20 to 50 cmt - 4 No	37
	M250	3398.58		51 to above - 4 +1 additional sample for each 50 cu.mt. Or part there of.	71
	M400	162.95			7

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
R&B (p) Sub Division,
Viramgam

Executive Engineer
R&B (P) Division
Ahmedabad