

SCHEDULE FOR TESTING OF MATERIALS

For ensuring quality control and workmanship, various test prescribed below for materials shall be taken at periodical intervals as stipulated below

The materials shall be a got tested at Government recognized Laboratory, (R. & B.) or filed laboratory of GERI (R&B) for which 1.0% 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 charges increases over 1.0% no excess recovery shall be made from the contractor as per resolution of B & C Department dated 10th May 1985 vide TNC / 1085 (4)S Minimum 10% total tests for each materials shall be carried out in Govt. Laboratory i.e. Geri. No refund nor extra charges over 1% shall be recovered from the contractor.

Schedule for Testing of Materials

Item No.	Brief Description of Materials to be tested	Prescription of Test which shall be carried out	Frequency @ which test shall be carried out		Qty of Materials	Total No. of Test to be taken
1	Cement	Consistency Setting time Soundness Fineness module Compressive strength	Upto 50 M.T. : 1 Test 100 MT -2 Test 200 MT -3 Test 300 MT -4 Test 500 MT -5 Test 800 MT -6 Test 1300 MT -7 Test and 8 test for larger consignment		117.70 MT	3
2	Sand	Fineness module Silt Content Gradation Test Specific Gravity Water Absorption	1 Test per 250 Cu.M.		243.36	1
3	M.C. metal 40 mm size	Gradation Test Flakiness Impact Abrasion Crushing Elongation	1 Test per 150 Cu.M.	1	1.91	1
4	Kapachi / Gritt	Gradation Test Flakiness Impact Abrasion Crushing Elongation	1 Test per 150 Cu.M.	1	274.07	2
5	Bricks	Tensile Strength Yield Strength Elongation Dimension Test	1 Test per 50000 Bricks		105909.00	3
6	Rubble	Compressive strength Density Specific Gravity Moisture content			46.00	

Item No.	Brief Description of Materials to be tested	Prescription of Test which shall be carried out	Frequency @ which test shall be carried out	Qty of Materials	Total No. of Test to be taken
6	Steel	(1) Tensile strength (2) Yield Stress (3) Elongation (4) Dimension Test	One test per category	17.68	Each Cat 1 Test / 40 MT
7	Water	Chemical Analysis P.H. Value	1 test per each source		1
8	C.C. Cubes M 100	(1) Compressive strength	One test per 5 Cu.M. 6 to 15 16 to 30 31 to 50 51 & above For each 50 Cu.M.	1 2 3 4 4 + 1	
9	C.C. Cubes M 150	(1) Compressive strength	One test per 5 Cu.M. 6 to 15 16 to 30 31 to 50 51 & above For each 50 Cu.M.	1 2 3 4 4 + 1	38.5 Cu.M.
10	C.C. Cubes M 200	(1) Compressive strength	One test per 5 Cu.M. 6 to 15 16 to 30 31 to 50 51 & above For each 50 Cu.M.	1 2 3 4 4 + 1	72.4 Cu.M.
11	C.C. Cubes M 250	(1) Compressive strength	One test per 5 Cu.M. 6 to 15 16 to 30 31 to 50 51 & above For each 50 Cu.M.	1 2 3 4 4 + 1	83.8 Cu.M.
12	Tiles / Flooring Materials	Water absorption, Transverse strength Abstraction size tolerances		508 Sq.Mt.	

Signature of Contractor

Executive Engineer
R. & B. Division
Vav-Tharad