

J. MIX PROPORTIONS FOR TRIAL NUMBER 1 BASED ON AGGREGATE IN SSD CONDITION

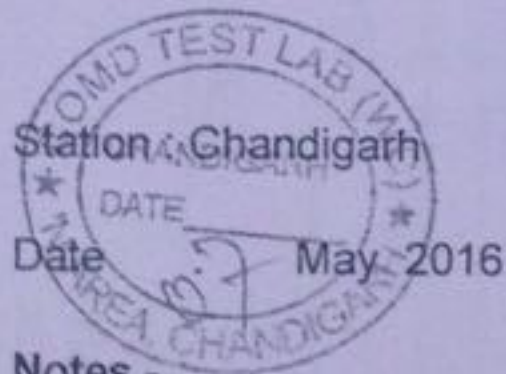
W/C Ratio	Cement	Water	Coarse agg	Fine aggregate	Water absorption		Free moisture	
					Coarse agg	Fine agg	Coarse agg	Fine agg
0.45	425.73	191.58	1128.26	685.05	7.90	4.45	0.00	1.03
0.495	387.03	191.58	1132.44	714.52	7.93	4.64	0.00	1.07

K. MIX PROPORTIONS BASED ON AGGREGATE IN DRY CONDITION

W/C Ratio	Cement	Water	Coarse agg		Fine aggregate	Admixture	28th day's comp strength
			20mm	12.5mm			
0.45	425.73	202.90	672.22	448.14	681.62	0.00000	30.28
0.495	387.03	203.08	674.71	449.80	710.95	0.00000	27.84

Result - 28th day's compressive strength of mix is below the mean target strength. Few reasons are as under:-

- (a) Cement has low compressive strength (separate test sheet enclosed)
- (b) Sample of 20 mm aggregate failed in individual sieve analysis under graded aggregate. (Sieve analysis enclosed)



(Handwritten Signature)
(M K Walia)
AE (Civ)
AGE, CTL
for GE CTL, WC

Notes -

1. The test results listed pertain to the sample tested and applicable parameters.
2. Any discrepancy found in the test report may be communicated within 15 days from the date of issue of test report.
3. Remanants of sample tested may be collected within 90 days from the date of issue of test report, after which they shall be disposed off.
4. The test report or any part thereof should not be produced as an evidence for any legal purposes without prior permission of GE CTL, WC.