MATERIAL TESTING LABORATORY
MILITARY ENGINEER SERVICE(MES)

TEST RESULT FOR COMPRESSIVE STRENGTH OF CONCRETE CYLINDER/CUBE

Job No : 129/2023-2024 (Con).
Name of Client : GE (Army) Sylhet.
Ref ltr no : PDCAS/51 of 2020-2021/100/E-6 Dt.17 Sep 2023.
Name of the project : Construction of 1 x 112 OR's Qtr.
Status of sample : 4th floor Column.
Dt of sample collection: 18 Sep'2023
Test Standard : ASTM/BS

Sample Specimen: Ht 200mm(8") Dia 100 mm(4")
Type of Aggregate : Stone
Brand &Type of Cement : Fresh Opc.
Proportion of Mixture : 1:1.25:2.5
Desired Design Strength : 4060 Psi

Ser no.	Date of casting and (Age in days)	Date of Test	Specimen Area Sq inch	Maximum Load (Lbs)	Crushing Strength (Psi)	Average Crushing Strength (Psi)	Remarks
1	14 Sep'2023 (28 days)	12 Oct'2023	12.17	77686.73	6383	***	Combined Failure
2			12.17	105303.05	8653		
3			12.17	88152.34	7243		

Cautions :

1 Samples as supplied to the laboratory have been tested. The laboratory authority does not bear any responsibility as to the representative character of the sample to be tested.
2 It is recommended that samples are sent in a sealed cover/packet/container under signature of the competent authority
3 In oder to be avoid fraudulent fabrication of the test result ,it is recommended that test reports should be collected by duly authorized person and not by the contractor/supplier.

Observation on Specimen(if any):

1 As per BNBC-2020 para No. 5.12.3.3 difference between provided samples are greater than 500 Psi. So no average result will be generated from this sample.

Laboratory Technician | Test Performed By | Vetted By

Note:[1 Mpa=145 psi, 1kg/cm2=14.223 Psi]