



# MILITARY ENGINEER SERVICES (MES)



## MATERIAL TESTING LABORATORY

Mobile: 01769-012888, <http://mes.org.bd>

### TEST RESULT FOR COMPRESSIVE STRENGTH OF CONCRETE CYLINDER/CUBE

Job No : 351(D)/2025-2026 (Con). Type of Aggregate : Stone  
Send by : GE (Army) Barishal. Brand & Type of Cement : Premium Opc.  
Ref. No : CEA/400 of 2022-2023 /42/E-6 Dt.12 May'2026. Proportion of Mixture : 1:1.5:3  
Project : Construction of 3 x Ammo Store. Desired Design Strength : 3500 Psi (24.20 Mpa).  
Sample : Concrete Cylinder Date of Sample Collection : 14/05/2026  
Location : Roof & Beam. Date of Test : 20/05/2026  
Test : Compressive Strength Test of Concrete Cylinder [ASTM C39]

#### TEST REPORT

SL No.	Date of casting as per the letter	Specimen Designation/ Frog Mark	Specimen Area	Maximum Load	Crushing Strength	Average Crushing Strength	Mode of Failure
1	22 Apr'2026 (28 days)		(Sq. in)	(Lb)	(Psi)	(Psi)	
2		GE (Navy)	12.17	30185.55	2480	2547 (17.65 Mpa)	Combined *
		GE (Navy)	12.17	45032.29	3700		Combined *
3		GE (Navy)	12.17	31797.39	2613	(179.07 kg/cm <sup>2</sup> )	Combined *

Note: Samples were received in sealed condition.

\*Combined = Mortar and Aggregate Failure.

#### Observation on Specimen(if any):

- 1 As the strength is below the desired design strength, so nec. measures to be taken as per particulars specifications of contract.



Report Prepared by :

Test Performed by :

Countersigned by :

MD. IKBAL HOSEN

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MAJOR

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[1 Mpa=145 psi, 1kg/cm<sup>2</sup>=14.223 Psi]

#### Important Note:

- 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
- 2 It is recommended that samples are sent in a sealed cover/packet/container under signature of the competent authority
- 3 In order 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.

