



# MILITARY ENGINEER SERVICES (MES)

M E S  
Material Testing  
Laboratory

## MATERIAL TESTING LABORATORY

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

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

Job No : 352(D)/2025-2026 (Con). Type of Aggregate : Stone  
Send by : GE (Air) Tejgaon. Brand & Type of Cement : Crown Opc.  
Ref. No : CE Air/ of 2025-2026/13/E-6 Dt.11 May'2026. Proportion of Mixture : 1:1.25:2.5  
Project : Construction of Medical Sqn. Desired Design Strength : 4500 Psi  
Sample : Concrete Cylinder Date of Sample Collection : 14/05/2026  
Location : 8th floor Column. Date of Test : 08/06/2026  
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 (Sq. in)	Maximum Load (Lb)	Crushing Strength (Psi)	Average Crushing Strength (Psi)	Mode of Failure
1	11 May'2026 (28 days)						
2		GE (Air)	12.17	32915.65	2705	2598	Combined *
		GE (Air)	12.17	29474.99	2422	(17.92 Mpa)	Combined *
3		GE (Air)	12.17	32469.53	2668	(183 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 particular specifications of contract.



Report Prepared by :

Test Performed by :

Countersigned by :

MD IKBAL HOSEN  
SAE B/R  
AHQ E in C's Br  
Wks Dte, Dhaka Cantt.

AHASAN HABIB  
AE B/R  
Actg SO-III (Lab)  
AHQ E in C's Br  
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MD ATIKUR RAHMAN  
MAJOR  
OIC (Lab)  
AHQ E in C's Br  
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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.

