



# MILITARY ENGINEER SERVICES (MES)

## MATERIAL TESTING LABORATORY

M E S  
Material Testing  
Laboratory

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

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

Job No : 342(D)/2025-2026 (Con). Type of Aggregate : Stone  
Send by : GE (Air) Tejgaon, Dhaka. Brand & Type of Cement : Crown Opc.  
Ref. No : CE Air/ of 2025-2026/08/E-6 Dt.30 Apr'2026. Proportion of Mixture : 1:1.5:3  
Project : Construction of Medical Sqn. Desired Design Strength : 4000 Psi  
Sample : Concrete Cylinder Date of Sample Collection : 05/05/2026  
Location : 7th floor roof beam & slab. Date of Test : 01/06/2026  
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	Maximum Load	Crushing Strength	Average Crushing Strength	Mode of Failure
1			(Sq. in)	(Lb)	(Psi)	(Psi)	
2	04 May'2026 (28 days)	GE (Air)	12.17	48909.44	4019	3794 (26.16 Mpa) (267 kg/cm2)	Combined *
		GE (Air)	12.17	43426.50	3568		Combined *
3		GE (Air)	12.17	38921.85	3198		Combined *

Note: Samples were received in sealed condition.

\*Combined = Mortar and Aggregate Failure.

### Observation on Specimen(if any):

- 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  
Wks Dte, Dhaka Cantt.

MD ATIKUR RAHMAN  
MAJOR  
OIC (Lab)  
AHQ E in C 's Br  
Wks Dte, Dhaka Cantt.

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

### Important Note:

- Samples as supplied to the laboratory have been tested. The laboratory authority does not bear any responsibility as to the representative character of the
- It is recommended that samples are sent in a sealed cover/packet/container under signature of the competent authority
- 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.

