



# 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 : 380/2025-2026 (Con). Type of Aggregate : Stone  
Send by : GE (Army) Sylhet. Brand & Type of Cement : Seven rings Opc.  
Ref. No : CEA/445 of 2024-2025/47/E-6 Dt.18 May'26. Proportion of Mixture : 1:1.5:3  
Project : Construction of 1 x 104 OR's Family Qtr. Desired Design Strength : 2275 Psi  
Sample : Concrete Cylinder Date of Sample Collection : 24/05/2026  
Location : 11th floor roof slab. Date of Test : 24/05/2026  
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	17 May'2026 (07 days)		(Sq. in)	(Lb)	(Psi)	(Psi)	
2		GE (Army)	12.17	31573.35	2594	<b>3364</b>	Combined *
		GE (Army)	12.17	41833.95	3437	(23.20 Mpa)	Combined *
3		GE (Army)	12.17	40036.64	3290	(237 kg/cm <sup>2</sup> )	Combined *

Note: Samples were received in sealed condition.

\*Combined = Mortar and Aggregate Failure.

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

1



Report Prepared by :

MD IKBAL HOSEN

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

Test Performed by :

AHASAN HABIB

AE B/R  
Actg SO-III (Lab)  
AHQ E in C 's Br  
Wks Dte, Dhaka Cantt.

Countersigned by :

MD ATIKUR RAHMAN

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

[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.

