



# 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 : 340(D)/2025-2026 (Con). Type of Aggregate : Brick  
Send by : GE (Army) Ghatail. Brand & Type of Cement : Elephant Opc.  
Ref. No : CEA/299 of 2024-2026/22/E-6 Dt.28 Apr'2026. Proportion of Mixture : 1:1.5:3  
Project : Construction of SMBK. Desired Design Strength : 1950 Psi  
Sample : Concrete Cylinder Date of Sample Collection : 28/04/2026  
Location : Roof & beam. Date of Test : 30/04/2026  
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	23 Apr'2026 (07 days)		(Sq. in)	(Lb)	(Psi)	(Psi)	
2		GE(Army)	12.17	51776.04	4254	4076 (28.11 Mpa)	Combined *
		GE(Army)	12.17	47066.63	3867		Combined *
3		GE(Army)	12.17	49978.73	4107	(286 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 :

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/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.

