



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 : 365/2025-2026 (Con).
Send by : GE (Army) Bogura.
Ref. No : CEA/357 of 2022-2023/50/E-6 Dt.05 May'2026.
Project : Construction of 1 x SMBK complex.
Sample : Concrete Cylinder
Location : 2nd floor roof slab.
Test : Compressive Strength Test of Concrete Cylinder [ASTM C39]

Type of Aggregate : Stone
Brand & Type of Cement : Fresh Op.
Proportion of Mixture : 1:1.5:3
Desired Design Strength : 3500 Psi
Date of Sample Collection : 07/05/2026
Date of Test : 01/06/2026

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 (Army) | 12.17 | 42948.74 | 3529 | 3550 (24.48 Mpa) | Combined * |
| | | GE (Army) | 12.17 | 43472.00 | 3572 | | Combined * |
| 3 | | GE (Army) | 12.17 | 43199.00 | 3550 | (250 kg/cm ²) | Combined * |

Note: Samples were received in sealed condition.

*Combined = Mortar and Aggregate Failure.



Observation on Specimen(if any):

1

Report Prepared by :

MD IKBAL HOSSEN

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/cm²=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.

