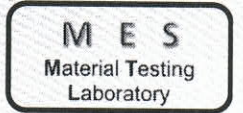




MILITARY ENGINEER SERVICES (MES)



MATERIAL TESTING LABORATORY

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

TEST RESULT FOR COMPRESSIVE STRENGTH OF CONCRETE CYLINDER/CUBE

Job No : 379/2025-2026 (Con). Type of Aggregate : Stone
Send by : GE (Army) Sylhet. Brand & Type of Cement : Seven rings Opc.
Ref. No : CEA/312 of 2024-2025/38/E-6 Dt.18 May'26. Proportion of Mixture : 1:1.5:3
Project : Construction of 1 x 760 Men SMBK Complex-9. Desired Design Strength : 2275 Psi
Sample : Concrete Cylinder Date of Sample Collection : 24/05/2026
Location : 3rd 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 | 21267.25 | 1748 | 1732 (11.94 Mpa) | Combined * |
| | | GE (Army) | 12.17 | 35969.41 | 2956 | | Combined * |
| 3 | GE (Army) | 12.17 | 20889.84 | 1717 | (122 kg/cm ²) | 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.

