



# 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   | : 05/2026-2027 (Con).                                       | Type of Aggregate         | : Stone           |
| Send by  | : GE (Air) Tejgaon, Dhaka.                                  | Brand & Type of Cement    | : Supercrete Opc. |
| Ref. No  | : CE Air/177 of 2025-2026/12/E-6 Dt.05 Jul'26.              | Proportion of Mixture     | : 1:1.25:2.5      |
| Project  | : Construction of BOQ.                                      | Desired Design Strength   | : 3300 Psi        |
| Sample   | : Concrete Cylinder                                         | Date of Sample Collection | : 05/07/2026      |
| Location | : Retaining wall, column and shear wall.                    | Date of Test              | : 06/07/2026      |
| Test     | : Compressive Strength Test of Concrete Cylinder [ASTM C39] |                           |                   |

### TEST REPORT

| SL No. | Date of casting<br>as per the letter | Specimen<br>Designation/<br>Frog Mark | Specimen<br>Area | Maximum<br>Load | Crushing<br>Strength | Average<br>Crushing<br>Strength                     | Mode of Failure |
|--------|--------------------------------------|---------------------------------------|------------------|-----------------|----------------------|-----------------------------------------------------|-----------------|
|        |                                      |                                       | (Sq. in)         | (Lb)            | (Psi)                | (Psi)                                               |                 |
| 1      | 29 Jun'2026<br>(07 days)             | GE (Air)                              | 12.17            | 41401.68        | 3402                 | 3517<br>(24.25 Mpa)<br>(247.27 kg/cm <sup>2</sup> ) | Combined *      |
| 2      |                                      | GE (Air)                              | 12.17            | 37101.79        | 3049                 |                                                     | Combined *      |
| 3      |                                      | GE (Air)                              | 12.17            | 44200.03        | 3632                 |                                                     | Combined *      |

Note: Samples were received in sealed condition.

\*Combined = Mortar and Aggregate Failure.

### Observation on Specimen(if any):

1



Report Prepared by :

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SAE B/R

AHQ E in C's Br

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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 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.

