



**MATERIAL TESTING LABORATORY**  
**MILITARY ENGINEER SERVICES(MES)**

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**TEST RESULT FOR COMPRESSIVE STRENGTH OF CONCRETE CYLINDER/CUBE**

Job No : 90(D)/2025-2026 (Con).

Name of Client : GE (Army) Sylhet.

Ref ltr no : CEA/445 of 2024-2025/08/E-6 Dt.28 Oct'2025.

Name of the project : Construction of 1 x 104 OR's Family Qtr.

Status of sample : 7th floor column & Roof beam.

Dt of sample collection: 30 Oct'2025

Test Standard : ASTM/BS

Sample Specimen: Ht 200mm(8") Dia 100 mm(4")

Type of Aggregate : Stone

Brand & Type of Cement : Seven rings Opc

Proportion of Mixture : 1:1.25:2.5

Desired Design Strength : 2600 Psi

| Ser no. | Date of casting<br>and<br>(Age in days) | Date of Test | Specimen<br>Area<br>Sq inch | Maximum Load<br>(Lbs) | Crushing<br>Strength<br>(Psi) | Average<br>Crushing<br>Strength<br>(Psi)  | Remarks          |
|---------|-----------------------------------------|--------------|-----------------------------|-----------------------|-------------------------------|-------------------------------------------|------------------|
| 1       | 27 Oct'2025<br>(07 days)                | 03 Nov'2025  | 12.17                       | 26530.17              | 2180                          | Average of<br>Sample 1, 2 & 3<br><br>2116 | Combined Failure |
| 2       |                                         |              | 12.17                       | 23570.67              | 1937                          |                                           |                  |
| 3       |                                         |              | 12.17                       | 27166.58              | 2232                          |                                           |                  |

**Cautions :**

- 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 sample to be tested.
- 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.

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

- 1 As the strength is below the desired design strength, so nec. measures to be taken as per particular specifications of contract.

Laboratory Technician

Test Performed By

Vetted By

Note:[1 Mpa=145 psi, 1kg/cm<sup>2</sup>=14.223 Psi]