# MATERIAL TESTING LABORATORY
# MILITARY ENGINEER SERVICES(MES)



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

Job No : 384/2024-2025 (Con).
Name of Client : GE (Army) Sylhet.
Ref ltr no : CEA/266 of 2021-2022/30/E-6 Dt.26 Dec'2024.
Name of the project : Construction of 1 x 760 Men SMBK Complex-9.
Status of sample : Ground floor roof slab.
Dt of sample collection: 29 Dec'2024
Test Standard : ASTM/BS

Sample Specimen: Ht 200mm(8") Dia 100 mm(4")
Type of Aggregate : Stone
Brand &Type of Cement : Aman Opc.
Proportion of Mixture : 1:1.5:3
Desired Design Strength : 2275 Psi

| Ser no. | Date of casting and (Age in days) | Date of Test | Specimen Area Sq inch | Maximum Load (Lbs) | Crushing Strength (Psi) | Average Crushing Strength (Psi) | Remarks |
|---|---|---|---|---|---|---|---|
| 1 | 23 Dec'2024 (07 days) | 30 Dec'2024 | 12.17 | 21929.53 | 1802 | Average of Sample 2 & 3 2633 | Combined Failure |
| 2 | | | 12.17 | 34539.52 | 2838 | | |
| 3 | | | 12.17 | 29548.34 | 2428 | | |

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 oder 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.

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

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Laboratory Technician  Test Performed By  Vetted By

Note:[1 Mpa=145 psi, 1kg/cm2=14.223 Psi]