



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

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

Job No : 338/2022-2023(Con).  
Name of Clint : GE (Army) Jalalabad.  
Ref ltr no : CEA/675 of 2021-2022/24/E-6 Dt. 06 Nov'2022.  
Name of the project : Construction of Oxidation Plant.  
Status of sample : Column & Beam.  
Dt of sample collection : 10 Nov'2022  
Test Standard : ASTM/BS

Sample Specimen: Ht 200mm(8") Dia 100 mm(4")  
Type of Aggregate : Stone  
Brand &Type of Cement : Akij Opc.  
Proportion of Mixture : 1:1.5:3  
Desired Design Strength : 3500 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       | 03 Nov'2022<br>(28 days)          | 01 Dec'2022  | 12.17                 | 40758.95           | 3349                    | Average of<br>Sample 1 & 3<br><br>3448 | Combined Failure |
| 2       |                                   |              | 12.17                 | 36301.24           | 2983                    |  |                  |
| 3       |                                   |              | 12.17                 | 43162.62           | 3547                    |  |                  |

**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 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):**

- 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/cm2=14.223]