



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

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

|                    |   |                         |                                 |
|--------------------|---|-------------------------|---------------------------------|
| Job No             | : 272/19-20(Con).                                       | Copy No.                | : 02                            |
| Name of Client     | : AGE (Air) Cox'sbazar.                                 | Sample Specimen         | : HT 200mm (8"), Dia 100mm (4") |
| Ref Itr No         | : CE Air/112 of 2017-2018/33/E-6 Dt. 22 September'2019. | Type of Aggregate       | : Stone                         |
| Project Name       | : CE Air/112 of 2017-2018.                              | Brand & Type of Cement  | : Confidence opc.               |
| Status of Sample   | : 1st floor roof.                                       | Proportion of Mixture   | : 1:1.5:3                       |
| Date of Collection | : Tuesday, 24 September, 2019                           | Desired Design Strength | : 3500 psi                      |
| Test Standard      | : <u>ASTM/BS</u>  |                         |                                 |

| 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) | Type of Failure                         |
|--------|-----------------------------------|--------------|-----------------------|---------------------|-------------------------|---------------------------------|---|
| 1      | 19-Sep-19<br>(28 days)            | 17-Oct-19    | 12.17                 | 30031               | 2468                    | 2081                            | Aggregate/<br>Mortar or Both<br>Failure |
| 2      |                                   |              | 12.17                 | 22619               | 1859                    |                                 |   |
| 3      |                                   |              | 12.17                 | 23318               | 1916                    |                                 |   |

**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 samples to be tested.
2. It is recommended that the samples are sent in a secure and sealed cover/packet/container under signature of the competent authority.
3. In order to avoid fraudulent fabrication of the test results, it is recommended that all 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 Technichian

Test Performed By

Vetted By

This is a computer generated copy

No signature is required

**Permissible Value:**

1.

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