



# MILITARY ENGINEER SERVICES (MES)

## MATERIAL TESTING LABORATORY



Mobile: 01769-012888, <http://mes.org.bd>

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

Job No : 375/2025-2026 (Con). Type of Aggregate : Stone  
Send by : AGE (Navy) Mongla. Brand & Type of Cement : Elephant Opc.  
Ref. No : EinC/174 of 2025-2026/02/E-6 Dt.17 May'26. Proportion of Mixture : 1:2.894:2.698 (Admixture).  
Project : Construction of 1 x 50 Bedded Hospital. Desired Design Strength : 4000 Psi  
Sample : Concrete Cylinder Date of Sample Collection : 18/05/2026  
Location : 3rd floor column. Date of Test : 09/06/2026  
Test : Compressive Strength Test of Concrete Cylinder [ASTM C39]

#### TEST REPORT

SL No.	Date of casting as per the letter	Specimen Designation/ Frog Mark	Specimen Area (Sq. in)	Maximum Load (Lb)	Crushing Strength (Psi)	Average Crushing Strength (Psi)	Mode of Failure
1	12 May'2026 (28 days)						
2		AGE (Navy)	12.17	22814.30	1875	1675	Combined *
		AGE (Navy)	12.17	17963.77	1476	(11.55 Mpa)	Combined *
3		AGE (Navy)	12.17	31045.33	2551	(118 kg/cm <sup>2</sup> )	Combined *

Note: Samples were received in sealed condition.

\*Combined = Mortar and Aggregate Failure.

#### 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.



Report Prepared by :

Test Performed by :

Countersigned by :

MD IKBAL HOSSEN

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AHQ E in C 's Br  
Wks Dte, Dhaka Cantt.

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Actg SO-III (Lab)  
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MAJOR  
OIC (Lab)  
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[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 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.

