



MILITARY ENGINEER SERVICES (MES)

M E S
Material Testing
Laboratory

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 : 2600 Psi
Sample : Concrete Cylinder Date of Sample Collection : 18/05/2026
Location : 3rd floor column. Date of Test : 19/05/2026
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 (07 days)						
2		AGE (Navy)	12.17	9514.20	782	2546 (17.55 Mpa) (179 kg/cm ²)	Combined *
		AGE (Navy)	12.17	30218.07	2483		Combined *
3	AGE (Navy)	12.17	31740.15	2608	Combined *		

Note: Samples were received in sealed condition.

*Combined = Mortar and Aggregate Failure.

Observation on Specimen(if any):

- 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 :

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

AHASAN HABIB
AE B/R
Actg SO-III (Lab)
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MAJOR
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[1 Mpa=145 psi, 1kg/cm²=14.223 Psi]

Important Note:

- Samples as supplied to the laboratory have been tested. The laboratory authority does not bear any responsibility as to the representative character of the
- It is recommended that samples are sent in a sealed cover/packet/container under signature of the competent authority
- 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.

