



MILITARY ENGINEER SERVICES (MES)

MES
Material Testing
Laboratory

MATERIAL TESTING LABORATORY

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

TEST RESULT FOR COMPRESSIVE STRENGTH OF CONCRETE CYLINDER/CUBE

Job No	: 378/2025-2026 (Con).	Type of Aggregate	: Stone
Send by	: GE (Army) Sylhet.	Brand & Type of Cement	: Seven rings Opc.
Ref. No	: CEA/312 of 2024-2025/40/E-6 Dt.18 May'26.	Proportion of Mixture	: 1:1.5:3
Project	: Construction of 1 x 760 Men SMBK Complex-9.	Desired Design Strength	: 3500 Psi
Sample	: Concrete Cylinder	Date of Sample Collection	: 24/05/2026
Location	: 2nd floor roof slab.	Date of Test	: 14/06/2026
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	17 May'2026 (28 days)	GE (Army)	12.17	33575.42	2759	2561 (17.66 Mpa) (180.06 kg/cm ²)	Combined *
2		GE (Army)	12.17	28769.63	2364		Combined *
3		GE (Army)	12.17	26416.02	2171		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.

AHASAN HABIB

AE B/R
Actg SO-III (Lab)
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[1 Mpa=145 psi, 1kg/cm²=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.

