



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 : 356/2025-2026 (Con). Type of Aggregate : Stone
Send by : GE (Army) Rangpur. Brand & Type of Cement : Crown Op.
Ref. No : CEA/109 of 2025-2026/21/E-6 Dt.21 Apr'2026. Proportion of Mixture : 1:1.5:3
Project : Construction of 1 x SMBK and CH/DH. Desired Design Strength : 3500 Psi
Sample : Concrete Cylinder Date of Sample Collection : 22/04/2026
Location : 1st floor beam & slab (Cook House). Date of Test : 13/05/2026
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	Maximum Load	Crushing Strength	Average Crushing Strength	Mode of Failure
1	15 Apr'2026 (28 days)		(Sq. in)	(Lb)	(Psi)	(Psi)	
2		GE (Army)	12.17	30504.06	2506	2490 (17.17 Mpa) (175.06 kg/cm ²)	Combined *
		GE (Army)	12.17	29997.61	2465		Combined *
3	GE (Army)	12.17	30416.30	2499	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 HOSEN
SAE B/R
AHQ E in C 's Br
Wks Dte, Dhaka Cantt.

AHASAN HABIB
AE B/R
Actg SO-III (Lab)
AHQ E in C 's Br
Wks Dte, Dhaka Cantt.

MD ATIKUR RAHMAN
MAJOR
OIC (Lab)
AHQ E in C 's Br
Wks Dte, Dhaka Cantt.

[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.

