



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	: 380/2025-2026 (Con).	Type of Aggregate	: Stone
Send by	: GE (Army) Sylhet.	Brand & Type of Cement	: Seven rings Opc.
Ref. No	: CEA/445 of 2024-2025/47/E-6 Dt.18 May'26.	Proportion of Mixture	: 1:1.5:3
Project	: Construction of 1 x 104 OR'S Family Qtr.	Desired Design Strength	: 3500 Psi
Sample	: Concrete Cylinder	Date of Sample Collection	: 24/05/2026
Location	: 11th 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	Maximum Load	Crushing Strength	Average Crushing Strength	Mode of Failure
			(Sq. in)	(Lb)	(Psi)	(Psi)	
1	17 May'2026 (28 days)	GE (Army)	12.17	27341.71	2247	***	Combined *
2		GE (Army)	12.17	47756.31	3924		Combined *
3		GE (Army)	12.17	39688.40	3261		Combined *

Note: Samples were received in sealed condition.

*Combined = Mortar and Aggregate Failure.

Observation on Specimen(if any):

- As per BNBC-2020 para No. 5.12.3.3 difference between provided samples are greater than 500 Psi. So no average result will be generated from this sample.



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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[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.

