



# 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	: 381/2025-2026 (Con).	Type of Aggregate	: Stone
Send by	: GE (Army) Sylhet.	Brand & Type of Cement	: Seven rings Opc.
Ref. No	: CEA/445 of 2024-2025/48/E-6 Dt.18 May'26.	Proportion of Mixture	: 1:1.25:2.50
Project	: Construction of 1 x 104 OR'S Family Qtr.	Desired Design Strength	: 4000 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 (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	35554.74	2922	3192 (22.01 Mpa) (224.42 kg/cm <sup>2</sup> )	Combined *
2		GE (Army)	12.17	39425.29	3240		Combined *
3		GE (Army)	12.17	41544.30	3414		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 :

MD IKBAL HOSEN  
SAE B/R  
AHQ E in C 's Br  
Wks Dte, Dhaka Cantt.

### Test Performed by :

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

### Countersigned by :

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

[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.

