



# MILITARY ENGINEER SERVICES (MES)

## MATERIAL TESTING LABORATORY

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

M E S  
Material Testing  
Laboratory

### TEST RESULT FOR COMPRESSIVE STRENGTH OF CONCRETE CYLINDER/CUBE

Job No : 338(D)/2025-2026 (Con). Type of Aggregate : Stone  
Send by : GE (Army) Cumilla. Brand & Type of Cement : Royal Op.  
Ref. No : CEA/289 of 2022-2023/65/E-6 Dt.26 Apr'2026. Proportion of Mixture : 1:1.5:3  
Project : Construction of 1 x 10 'B' Type Qtr. Desired Design Strength : 2975 Psi  
Sample : Concrete Cylinder Date of Sample Collection : 27/04/2026  
Location : Foundation. Date of Test : 07/05/2026  
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	23 Apr'2026 (14 days)		(Sq. in)	(Lb)	(Psi)	(Psi)	
2		GE(Army)	12.17	32710.89	2688	2700 (18.62 Mpa) (190 kg/cm <sup>2</sup> )	Combined *
		GE(Army)	12.17	45721.26	3757		Combined *
3	GE(Army)	12.17	33010.79	2712	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 particulars specifications of contract.

### Report Prepared by :

MD IKBAL HOSSEN  
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.

