



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	: 06/2026-2027 (Con).	Type of Aggregate	: Stone
Send by	: GE (Air) Tejgaon, Dhaka.	Brand & Type of Cement	: Supercrete Opc.
Ref. No	: CE Air/177 of 2025-2026/10/E-6 Dt.05 Jul'26.	Proportion of Mixture	: 1:1.25:2.5
Project	: Construction of BOQ.	Desired Design Strength	: 3300 Psi
Sample	: Concrete Cylinder	Date of Sample Collection	: 05/07/2026
Location	: Mat footing.	Date of Test	: 06/07/2026
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	29 Jun'2026 (07 days)	GE (Air)	12.17	37670.56	3095	3032 (20.91 Mpa) (213.17 kg/cm ²)	Combined *
2		GE (Air)	12.17	35570.48	2923		Combined *
3		GE (Air)	12.17	37465.90	3079		Combined *

Note: Samples were received in sealed condition.

*Combined = Mortar and Aggregate Failure.

Observation on Specimen(if any):

- 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 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/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.

