



Plain and Reinforced Concrete Laboratory
Civil Engineering Department
 University of Engineering and Technology, Lahore, Pakistan
 Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL
 A carbon copy for the report has been retained in the lab for record.

4722
 Dr. Aqsa

To: Engr. Muhammad Umar
 For E&dc Associates.

Project: Construction of Additional Girls Hostel and House Officers Hostel at CKMC, Kharian Cantt.

Our Ref. No. CL/CED/ 1105

Dated: 07-02-23

Test Specification

Your Ref. No. E&dc-080/03

Dated: 06-02-23

(ASTM C39)

COMPRESSION TEST REPORT



Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers

Specimens received on: **06-02-23** Tested on: **07-02-23** in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	Foundation/Raft (1:2:4) HOH	29	12	2022	6Diax12	---	13.4	28.28	26	2059	---	Engraved
2	Foundation/Raft (1:2:4) HOH	29	12	2022	6Diax12	---	13.6	28.28	37	2931	---	Engraved
3	Foundation/Raft (1:2:4) HOH	29	12	2022	6Diax12	---	14	28.28	81	6416	---	Engraved
4	Columns (1:2:4) HOH	10	1	2023	6Diax12	---	14	28.28	45	3564	---	Engraved
5	Columns (1:2:4) HOH	11	1	2023	6Diax12	---	13.8	28.28	58	4594	---	Engraved
6	Columns (1:2:4) HOH	12	1	2023	6Diax12	---	13.4	28.28	44	3485	---	Engraved
7	PCC (1:4:8) Additional Girls H	7	1	2023	6Diax12	---	12.6	28.28	4	317	---	Engraved
8	PCC (1:4:8) Additional Girls H	7	1	2023	6Diax12	---	13	28.28	9	713	---	Engraved
9	PCC (1:4:8) Additional Girls H	7	1	2023	6Diax12	---	13.4	28.28	18	1426	---	Engraved
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

Results can also be seen on website <https://civil.uet.edu.pk/concrete-laboratory-reports1/>

- * as engraved on the specimens (if any)
- ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
- *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
- **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as compressive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory

- The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
- The test results are recommended to be interpreted in the light of above factors by the engineer.

Supervisor (Lab)

Director/Dy. Director Concrete Laboratory