



# 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.

8126  
Dr. M. Yousaf

To: Mr. Sufyan Uppal  
Project Engineer, BAIG CONSTRUCTION CO.

Project: Construction of Jinnah Square Mall, Raiwind Road, Lahore.

Our Ref. No. CL/CED/ 6320-1 of 2

Dated: 01-11-24

Test Specification

Your Ref. No. CT/UET/29102024/025

Dated: 28/10/2024

(ASTM C39)

## COMPRESSION TEST REPORT



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

Specimens received on: 30/10/2024 Tested on: 01-11-24 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	Columns B/1, B/3, C/3, 4 (5500 Psi)	13	9	2024	6Diax12	---	13.2	28.28	65	5149	---	Non Engraved
2	Columns B/1, B/3, C/3, 4 (5500 Psi)	13	9	2024	6Diax12	---	13	28.28	64	5069	---	Non Engraved
3	Columns B/1, B/3, C/3, 4 (5500 Psi)	13	9	2024	6Diax12	---	13	28.28	83	6574	---	Non Engraved
4	Columns B/1, B/3, C/3, 4 (5500 Psi)	13	9	2024	6Diax12	---	13	28.28	62	4911	---	Non Engraved
5	Columns A/1-4 (5500 Psi)	15	9	2024	6Diax12	---	13.2	28.28	68	5386	---	Non Engraved
6	Columns A/1-4 (5500 Psi)	15	9	2024	6Diax12	---	13	28.28	64	5069	---	Non Engraved
7	Columns A/1-4 (5500 Psi)	15	9	2024	6Diax12	---	12.8	28.28	78	6178	---	Non Engraved
8	Columns A/1-4 (5500 Psi)	15	9	2024	6Diax12	---	13	28.28	74	5861	---	Non Engraved
9	Columns B/2, B/4 (5500 Psi)	20	9	2024	6Diax12	---	13.2	28.28	75	5941	---	Non Engraved
10	Columns B/2, B/4 (5500 Psi)	20	9	2024	6Diax12	---	13	28.28	62	4911	---	Non Engraved
11	Columns B/2, B/4 (5500 Psi)	20	9	2024	6Diax12	---	14	28.28	79	6257	---	Non Engraved
12	Columns B/2, B/4 (5500 Psi)	20	9	2024	6Diax12	---	13	28.28	65	5149	---	Non Engraved
13	Slab Setback G to J/1 (3000 Psi)	20	9	2024	6Diax12	---	12.8	28.28	36	2851	---	Non Engraved
14	Slab Setback G to J/1 (3000 Psi)	20	9	2024	6Diax12	---	12.8	28.28	39	3089	---	Non Engraved
15	Slab Setback G to J/1 (3000 Psi)	20	9	2024	6Diax12	---	13	28.28	58	4594	---	Non Engraved
16	Slab Setback G to J/1 (3000 Psi)	20	9	2024	6Diax12	---	12.8	28.28	48	3802	---	Non Engraved

Witnessed by:

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

- \* 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



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Dr. M. Yousaf

To: Mr. Sufyan Uppal  
Project Engineer, BAIG CONSTRUCTION CO.

Project: Construction of Jinnah Square Mall, Raiwind Road, Lahore

Our Ref. No. CL/CED/ 6320-2 of 2

Dated: 01-11-24

Test Specification

Your Ref. No. CT/UET/29102024/025

Dated: 28/10/2024

(ASTM C39)

## COMPRESSION TEST REPORT



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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	Cargo Lift Base (5500 Psi)	24	9	2024	6Diax12	---	13	28.28	49	3881	---	Non Engraved
2	Cargo Lift Base (5500 Psi)	24	9	2024	6Diax12	---	12.8	28.28	48	3802	---	Non Engraved
3	Cargo Lift Base (5500 Psi)	24	9	2024	6Diax12	---	12.4	28.28	48	3802	---	Non Engraved
4	Cargo Lift Base (5500 Psi)	24	9	2024	6Diax12	---	12.4	28.28	36	2851	---	Non Engraved
5	Slab G to J/ 1 to 5 (3000 Psi)	24	9	2024	6Diax12	---	12.8	28.28	62	4911	---	Non Engraved
6	Slab G to J/ 1 to 5 (3000 Psi)	24	9	2024	6Diax12	---	12.4	28.28	56	4436	---	Non Engraved
7	Slab G to J/ 1 to 5 (3000 Psi)	24	9	2024	6Diax12	---	13	28.28	68	5386	---	Non Engraved
8	Slab G to J/ 1 to 5 (3000 Psi)	24	9	2024	6Diax12	---	13	28.28	68	5386	---	Non Engraved
9	Slab G to J/ 1 to 5 (3000 Psi)	24	9	2024	6Diax12	---	13	28.28	49	3881	---	Non Engraved
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

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8081  
 Dr. M. Yousaf

To: Engr. Hafiz Muhammad Umair Ali  
 Assistant Director (Civil), PIU-IWRPP

Project: Rehabilitation & Additional Works Lot-02: (i) Government College of Technology, Sahiwal [IWRPP/WORKS/CW04 (Lot-02)]

Our Ref. No. CL/CED/ 6321

Dated: 01-11-24

Test Specification

Your Ref. No. ICI&SDD/PIU/IWRPP/CWO4/1111

Dated: 22/10/2024

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## COMPRESSION TEST REPORT



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

Specimens received on: 24/10/2024 Tested on: 01-11-24 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	A1	---	---	---	8.5 x 4.1 x 2.7	3175	2805	34.85	36	2314	13.19	---
2	A1	---	---	---	8.7 x 4 x 2.8	3315	2865	34.8	26	1674	15.71	---
3	A2	---	---	---	8.8 x 4.3 x 2.9	3705	3100	37.84	28	1658	19.52	---
4	A2	---	---	---	8.8 x 4.3 x 3	3650	3070	37.84	34	2013	18.89	---
5	1000	---	---	---	8.7 x 4.2 x 2.9	3460	2935	36.54	27	1655	17.89	---
6	1000	---	---	---	8.9 x 4.1 x 2.9	3555	3005	36.49	27	1657	18.3	---
7	Machine Made Double Line	---	---	---	8.4 x 4.1 x 2.6	3195	2725	34.44	25	1626	17.25	---
8	Machine Made Double Line	---	---	---	8.5 x 4.2 x 2.7	3335	2860	35.7	38	2384	16.61	---
9	Machine Made Double Line	---	---	---	8.5 x 4.1 x 2.8	3395	2890	34.85	40	2571	17.47	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
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