



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.

8033
Dr. M. Yousaf

To: Ch. Suneel Shamshad
Director, A.I Heights

Project: Apartment Building at 38, Tariq Block, New Garden Town, Lahore.

Our Ref. No. CL/CED/ 6204

Dated: 21-10-24

Test Specification

Your Ref. No. 2024/002

Dated: 17-10-24

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 17-10-24 Tested on: 21-10-24 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	---	9	10	2024	6Diax12	---	13.4	28.28	47	3723	---	Non Engraved
2	---	9	10	2024	6Diax12	---	13.6	28.28	36	2851	---	Non Engraved
3	---	9	10	2024	6Diax12	---	13.2	28.28	42	3327	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
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14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

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



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.

7973
 Dr. M. Yousaf

To: Sub Divisional Officer
 Maintenance Sub Division No. II, GOR-III, Lahore

Project: CONSTRUCTION OF ONE MULTISTOREY BUILDING FOR RESIDENCES GRADE 11-14 (36-Nos) For STAFF COLONY AT CHAUBURGI, GARDEN STATE, MULTAN ROAD, LAHORE

Our Ref. No. CL/CED/ 6205

Dated: 21-10-24

Test Specification

Your Ref. No. 389 Sd/GOR-III, Lhr

Dated: 09-10-24

(BS 3921**)

COMPRESSION TEST REPORT



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

Specimens received on: 09-10-24 Tested on: 21-10-24 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	K-3	---	---	---	8.8 x 4.2 x 2.8	3570	3300	36.96	50	3030	8.18	---
2	K-3	---	---	---	8.9 x 4.2 x 3	3765	3360	37.38	48	2876	12.05	---
3	K-3	---	---	---	9 x 4.2 x 3	3770	3365	37.8	52	3081	12.04	---
4	K-3	---	---	---	8.8 x 4.2 x 2.8	3525	3220	36.96	45	2727	9.47	---
5	K-3	---	---	---	8.8 x 4.2 x 2.8	3705	3300	36.96	44	2667	12.27	---
6	NC	---	---	---	8.8 x 4.2 x 3	3820	3390	36.96	47	2848	12.68	---
7	NC	---	---	---	8.8 x 4.2 x 2.8	3705	3305	36.96	56	3394	12.1	---
8	NC	---	---	---	8.9 x 4.1 x 2.8	3595	3200	36.49	46	2824	12.34	---
9	NC	---	---	---	8.8 x 4 x 2.8	3375	3020	35.2	46	2927	11.75	---
10	NC	---	---	---	8.8 x 4.2 x 2.9	3485	3135	36.96	52	3152	11.16	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

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- * as engraved on the specimens (if any)
- ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
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Note: Above results pertain to the unsealed samples supplied to the laboratory

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ORIGINAL
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8013
 Dr. M. Yousaf

To: Mr. Mirza Muhammad Abdullah
 Senior Resident Engineer, For M/s HA Consulting

Project: CONSTRUCTION OF NASTP DELTA PHASE-03 AT PAF AIR BASE, LAHORE.

Our Ref. No. CL/CED/ 6206

Dated: 21-10-24

Test Specification

Your Ref. No. 24/HAC/NASTP/1299

Dated: 11-10-24

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COMPRESSION TEST REPORT



ONLINE REPORT

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

Specimens received on: 15-10-24 Tested on: 21-10-24 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	TF	---	---	---	8.5 x 4 x 2.9	---	3520	34	44	2899	---	---
2	TF	---	---	---	8.6 x 4.2 x 2.8	---	3440	36.12	34	2109	---	---
3	H	---	---	---	8.8 x 4.2 x 3	---	3380	36.96	36	2182	---	---
4	H	---	---	---	8.7 x 4.1 x 2.8	---	3380	35.67	36	2261	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

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" dia x 12" cylinder) strength at 28 days as compressive strength

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Director/Dy. Director Concrete Laboratory



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ORIGINAL
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8025
 Dr. M. Yousaf

To: Mr. Waqas Ali
 VARIANT, 25-t gulberg 2, Lahore

Project: 11th Floor Slab Pour-1

Our Ref. No. CL/CED/ 6207

Dated: 21-10-24

Test Specification

Your Ref. No. VA/29/174

Dated: 16-10-24

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 16-10-24 Tested on: 21-10-24 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	11th Floor Slab Pour-1	4	9	2024	6Diax12	---	13.4	28.28	72	5703	---	Non Engraved
2	11th Floor Slab Pour-1	4	9	2024	6Diax12	---	14	28.28	68	5386	---	Non Engraved
3	11th Floor Slab Pour-1	4	9	2024	6Diax12	---	13.8	28.28	68	5386	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Mr. Babar Ali, CNIC 35201-9967694-3

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
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Director/Dy. Director Concrete Laboratory



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ORIGINAL
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8025
 Dr. M. Yousaf

To: Mr. Waqas Ali
 VARIANT, 25-t gulberg 2, Lahore.

Project: 11th Floor Column. (CL-1,CL-2,CL-3,CL-4,CI-5,CI-6,CL-7,SH-1,SH-4,SH-5)

Our Ref. No. CL/CED/ 6208

Dated: 21-10-24

Test Specification

Your Ref. No. VA/29/173

Dated: 16-10-24

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: Tested on: 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	11th Floor Column	9	8	2024	6Diax12	---	15	28.28	93	7366	---	Non Engraved
2	11th Floor Column	9	8	2024	6Diax12	---	15	28.28	99	7842	---	Non Engraved
3	11th Floor Column	9	8	2024	6Diax12	---	14.8	28.28	112	8871	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Mr. Babar Ali, CNIC 35201-9967694-3

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

- * as engraved on the specimens (if any)
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Note: Above results pertain to the unsealed samples supplied to the laboratory

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Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



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ORIGINAL
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8024
 Dr. M.Yousaf

To: Engineer's Representative
 Metroplan-Asian JV, Site office JIC-JHL, Lahore.

Project: Establishment of Jinnah Institute of Cardiology at Jinnah Hospital Lahore.

Our Ref. No. CL/CED/ 6209

Dated: 21-10-24

Test Specification

Your Ref. No. Metroplan-Asian JVJIC-JHL-RE-274-2024

Dated: 14-10-24

(----)

COMPRESSION TEST REPORT



ONLINE REPORT

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

Specimens received on: 16-10-24 **Tested on:** 21-10-24 **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	Solid Block	---	---	---	11.9x5.9x8	---	21.6	70.21	51	1627	---	---
2	Solid Block	---	---	---	12x5.9x8	---	21.4	70.8	58	1835	---	---
3	Solid Block	---	---	---	11.9x5.9x8	---	22	70.21	47	1500	---	---
4	Hollow Block	---	---	---	16x8x8	---	28.6	77.91	107	3076	---	---
5	Hollow Block	---	---	---	16x8x8.4	---	30	78.87	97	2755	---	---
6	Hollow Block	---	---	---	16x8x8.4	---	29.8	77.91	121	3479	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
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15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Asian, IDAP & Mr. Ahmad, CCECC

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ORIGINAL
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7962
 Dr. M. Yousaf

To: Mr. Muhammad Saqib Haider
 Assistant Resident Engineer, Package-III (PCP) Jhang.

Project: "Providing and Laying of Sewerage Network (Zone-1) in Jhang City"

Our Ref. No. CL/CED/ 6210

Dated: 21-10-24

Test Specification

Your Ref. No. MMP/1095/Jhang/SEW-Z1/270

Dated: 07-10-24

(BS 3921)**

COMPRESSION TEST REPORT



ONLINE REPORT

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

Specimens received on: 08-10-24 Tested on: 21-10-24 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	555	---	---	---	8.5 x 4.1 x 2.3	2840	2400	34.85	32	2057	18.33	---
2	555	---	---	---	8.5 x 4.2 x 2.4	2955	2530	35.7	35	2196	16.8	---
3	555	---	---	---	8.4 x 4.3 x 2.4	2865	2465	36.12	38	2357	16.23	---
4	555	---	---	---	8.4 x 4.2 x 2.4	2830	2445	35.28	38	2413	15.75	---
5	555	---	---	---	8.5 x 4.1 x 2.5	2920	2500	34.85	34	2185	16.8	---
6	555	---	---	---	8.5 x 4.2 x 2.4	2840	2405	35.7	34	2133	18.09	---
7	A*1	---	---	---	8.7 x 4.2 x 2.7	3030	2555	36.54	42	2575	18.59	---
8	A*1	---	---	---	8.6 x 4.1 x 2.6	3030	2630	35.26	44	2795	15.21	---
9	A*1	---	---	---	8.5 x 4.2 x 2.6	3010	2565	35.7	38	2384	17.35	---
10	A*1	---	---	---	8.5 x 4.2 x 2.5	2955	2575	35.7	44	2761	14.76	---
11	A*1	---	---	---	8.5 x 4.2 x 2.5	3075	2650	35.7	42	2635	16.04	---
12	A*1	---	---	---	8.6 x 4.2 x 2.4	2955	2515	36.12	41	2543	17.5	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

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7986
 Dr. M. Yousaf

To: Mr. Muhammad Yaseen
 Sr. Project Manager, Hassan Construction Company, Contractors and Developers

Project: TCCC Manual Color Filling and Buffer Room

Our Ref. No. CL/CED/ 6211

Dated: 21-10-24

Test Specification

Your Ref. No. HC-CPS-01

Dated: 10-10-24

(----)

COMPRESSION TEST REPORT



ONLINE REPORT

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

Specimens received on: 11-10-24 Tested on: 21-10-24 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	N7	---	---	---	8.8 x 4.2 x 3	3720	3285	36.96	44	2667	13.24	---
2	N7	---	---	---	8.8 x 4.2 x 3	3650	3290	36.96	50	3030	10.94	---
3	N7	---	---	---	8.8 x 4.2 x 3	3780	3425	36.96	40	2424	10.36	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
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" dia x 12" 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