



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.

6684

Dr. Aqsa

To: Mr. M. Faisal Bhatti
Construction Manager, Ittefaq Building Solutions Pvt. Ltd.

Project: Mr. Chughtai House Residence at Plot # 74, Muneer Road, Cantt, Lahore.

Our Ref. No. CL/CED/ 4240

Dated: 20-02-24

Test Specification

Your Ref. No. Nil

Dated: 13-02-24

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 13-02-24 Tested on: 20-02-24 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	Ali House, Ground Slab (4000 Psi)	30	1	2024	6Diax12	---	13.6	28.28	54	4277	---	Non Engraved
2	Ali House, Ground Slab (4000 Psi)	30	1	2024	6Diax12	---	14	28.28	64	5069	---	Non Engraved
3	Ali House, Ground Slab (4000 Psi)	30	1	2024	6Diax12	---	13.2	28.28	46	3644	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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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



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To: Mr. M. Faisal Bhatti
 Construction Manager, Ittefaq Building Solutions Pvt. Ltd.

Project: Mr. Chughtai House Residence at Plot # 74, Muneer Road, Cantt, Lahore.

Our Ref. No. CL/CED/ 4241

Dated: 20-02-24

Test Specification

Your Ref. No. Nil

Dated: 13-02-24

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 13-02-24 **Tested on:** 20-02-24 **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	Ali House, Raft (4000 Psi)	9	1	2024	6Diax12	---	14	28.28	63	4990	---	Non Engraved
2	Ali House, Raft (4000 Psi)	9	1	2024	6Diax12	---	14	28.28	70	5545	---	Non Engraved
3	Ali House, Raft (4000 Psi)	9	1	2024	6Diax12	---	13.2	28.28	63	4990	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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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)
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Construction Manager, Ittefaq Building Solutions Pvt. Ltd.

Project: Mr. Chughtai House Residence at Plot # 74, Muneer Road, Cantt, Lahore.

Our Ref. No. CL/CED/ 4242

Dated: 20-02-24

Test Specification

Your Ref. No. Nil

Dated: 13-02-24

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 13-02-24 Tested on: 20-02-24 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	Omar House, Raft (4000 Psi)	7	1	2024	6Diax12	---	13.4	28.28	52	4119	---	Non Engraved
2	Omar House, Raft (4000 Psi)	7	1	2024	6Diax12	---	13.6	28.28	51	4040	---	Non Engraved
3	Omar House, Raft (4000 Psi)	7	1	2024	6Diax12	---	13.2	28.28	51	4040	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

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

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- ** 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

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To: Mr. M. Faisal Bhatti
Construction Manager, Ittefaq Building Solutions Pvt. Ltd.

Project: Mr. Chughtai House Residence at Plot # 74, Muneer Road, Cantt, Lahore.

Our Ref. No. CL/CED/ 4243

Dated: 20-02-24

Test Specification

Your Ref. No. Nil

Dated: 13-02-24

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 13-02-24 Tested on: 20-02-24 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	Omar House, Raft (4000 Psi)	6	1	2024	6Diax12	---	13.8	28.28	77	6099	---	Non Engraved
2	Omar House, Raft (4000 Psi)	6	1	2024	6Diax12	---	13.6	28.28	58	4594	---	Non Engraved
3	Omar House, Raft (4000 Psi)	6	1	2024	6Diax12	---	14	28.28	74	5861	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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To: Mr. M. Faisal Bhatti
Construction Manager, Ittefaq Building Solutions Pvt. Ltd.

Project: Mr. Chugtai House Residence at Plot # 74, Muneer Road, Cantt, Lahore.

Our Ref. No. CL/CED/ 4244

Dated: 20-02-24

Test Specification

Your Ref. No. Nil

Dated: 13-02-24

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 13-02-24 Tested on: 20-02-24 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	Omar House, Raft (4000 Psi)	26	1	2024	6Diax12	---	13.4	28.28	48	3802	---	Non Engraved
2	Omar House, Raft (4000 Psi)	26	1	2024	6Diax12	---	14	28.28	42	3327	---	Non Engraved
3	Omar House, Raft (4000 Psi)	26	1	2024	6Diax12	---	13.2	28.28	62	4911	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Construction Manager, Ittefaq Building Solutions Pvt. Ltd.

Project: Mr. Chughtai House Residence at Plot # 74, Muneer Road, Cantt, Lahore

Our Ref. No. CL/CED/ 4245

Dated: 20-02-24

Test Specification

Your Ref. No. Nil

Dated: 13-02-24

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 13-02-24 Tested on: 20-02-24 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	Omar House, Raft (4000 Psi)	23	1	2024	6Diax12	---	14	28.28	60	4752	---	Non Engraved
2	Omar House, Raft (4000 Psi)	23	1	2024	6Diax12	---	13.8	28.28	74	5861	---	Non Engraved
3	Omar House, Raft (4000 Psi)	23	1	2024	6Diax12	---	13.2	28.28	51	4040	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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To: Mr. M. Faisal Bhatti
Construction Manager, Ittefaq Buildings Solution Pvt. Ltd.

Project: Mr. Chughtai House Residence at Plot # 74, Muneer Road, Cantt, Lahore.

Our Ref. No. CL/CED/ 4246

Dated: 20-02-24

Test Specification

Your Ref. No. Nil

Dated: 13-02-24

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 13-02-24 Tested on: 20-02-24 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	Ali House, Columns (4000 Psi)	16	1	2024	6Diax12	---	13	28.28	49	3881	---	Non Engraved
2	Ali House, Columns (4000 Psi)	16	1	2024	6Diax12	---	13.2	28.28	47	3723	---	Non Engraved
3	Ali House, Columns (4000 Psi)	16	1	2024	6Diax12	---	13.6	28.28	62	4911	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Dr. Aqsa

To: Mr. Shahzad Munir
Resident Engineer, G3 Engineering Consultants Pvt. Ltd.

Project: Consultancy Services for Master Planning Designing and Resident Type Supervision of the Scheme Strengthening of University of Narowal.

Our Ref. No. CL/CED/ 4247

Dated: 20-02-24

Test Specification

Your Ref. No. G3/237/RE/246

Dated: 12-02-24

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 19-02-24 Tested on: 20-02-24 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	Stem Column (4000 Psi)	12	1	2024	6Diax12	---	14.2	28.28	63	4990	---	Non Engraved
2	Stem Column (4000 Psi)	12	1	2024	6Diax12	---	15	28.28	44	3485	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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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" diax12" cylinder) strength at 28 days as compressive strength

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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.

6706
Dr. Aqsa

To: Mr. Muzffar Ahmad

Resident Engineer, G3 Engineering Consultants Pvt. Ltd. University of Narowal.

Project: Construction of Residential Area (G-20, G-18-19, Family Flats, Male & Female Faculty Hostel, Guest House & Masjid) at University of Narowal (New Campus) - Construction of Guest House.

Our Ref. No. CL/CED/ 4248

Dated: 20-02-24

Test Specification

Your Ref. No. G3/UON-RE/506

Dated: 12-02-24

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 14-02-24 Tested on: 20-02-24 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	Footing (1:1.5:3)	8	1	2024	6Diax12	---	14.6	28.28	66	5228	---	Non Engraved
2	Footing (1:1.5:3)	8	1	2024	6Diax12	---	14.8	28.28	44	3485	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
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-reports/>

- * 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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- **** 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

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- 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.

6708
Dr. Aqsa

To: Mr. Muhammad Ammar Yaqoob
Sr. Research Officer, Al-Khwarizmi Institute of Computer Sciences (KICS) UET, Lahore.

Project: Solarization of Lahore High Court Under PEECA.

Our Ref. No. CL/CED/ 4249

Dated: 20-02-24

Test Specification

Your Ref. No. KICS-PEECA/LHC-P1/003/Test

Dated: 14-02-24

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 14-02-24 Tested on: 20-02-24 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	---	1	2	2024	6Diax12	---	14	28.28	68	5386	---	Non Engraved
2	---	1	2	2024	6Diax12	---	13.6	28.28	78	6178	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
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-reports/>

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- ** 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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Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



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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.

6721
Dr. Aqsa

To: IBNA AL AZIZ
117 Ahmad Block, New Garden Town, Lahore.

Project: Construction of Sapphire Residence 84- Arif Jan Road Cantt. Lahore.

Our Ref. No. CL/CED/ 4250

Dated: 20-02-24

Test Specification

Your Ref. No. IAA-131240

Dated: 16-02-24

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 16-02-24 Tested on: 20-02-24 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	(3000 Psi)	18	1	2024	6Diax12	---	14.4	28.28	81	6416	---	Non Engraved
2	(3000 Psi)	18	1	2024	6Diax12	---	14.4	28.28	81	6416	---	Non Engraved
3	(3000 Psi)	18	1	2024	6Diax12	---	14	28.28	64	5069	---	Non Engraved
4	(4000 Psi)	1	2	2024	6Diax12	---	13.4	28.28	79	6257	---	Non Engraved
5	(4000 Psi)	1	2	2024	6Diax12	---	13.6	28.28	77	6099	---	Non Engraved
6	(4000 Psi)	1	2	2024	6Diax12	---	13.6	28.28	71	5624	---	Non Engraved
7	(4000 Psi)	8	2	2024	6Diax12	---	13.4	28.28	69	5465	---	Non Engraved
8	(4000 Psi)	8	2	2024	6Diax12	---	13.8	28.28	59	4673	---	Non Engraved
9	(4000 Psi)	8	2	2024	6Diax12	---	13.6	28.28	67	5307	---	Non Engraved
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

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