



# 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.

7557  
Dr. Umbreen

To: Mr. Muhammad Arfan Asif  
Engineer's Representative, NESPAK (Pvt) Ltd. Turk-Pak International (Pvt) Limited.

Project: Construction of Green Building for EMC, EPD and Allied New Entities Established under PGDP (DLI-2, PGDP) Lahore. (M/S HCS)

Our Ref. No. CL/CED/ 5469

Dated: 06-08-24

Test Specification

Your Ref. No. 4731/MAA/04/75

Dated: 05-08-24

( ---- )

## COMPRESSION TEST REPORT



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

Specimens received on: 06-08-24 Tested on: 06-08-24 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	---	---	---	11.9x6.0x7.8	---	22	71.4	48	1506	---	---
2	Solid Block	---	---	---	12.0x6.0x7.9	---	22	72	66	2053	---	---
3	Solid Block	---	---	---	12.0x6.0x7.9	---	22	72	66	2053	---	---
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Witnessed by: Mr. Muhammad Irfan CNIC # 48402-1588818-3

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
- \*\*\*\* 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



# 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.

7555  
Dr. Umbreen

To: Engr. Haseeb Afzal  
Project Manager, HMB Developers (Pvt) Ltd.  
Project: Commercial Tower, Finance Trade Centre, Lahore. (4th Floor Shear Wall E'-F', C~D/1~2 & P.C A'/1,3,3' A/3' G/4')  
Our Ref. No. CL/CED/ 5470 Dated: 06-08-24  
Your Ref. No. HMBDPL/S.O/07/24/122 (LHR) Dated: 06-08-24

Test Specification  
(ASTM C39)

### COMPRESSION TEST REPORT



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

Specimens received on: 06-08-24 Tested on: 06-08-24 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	CT-121 (6000 Psi)	8	7	2024	6Diax12	---	13.6	28.28	64	5069	---	Non Engraved
2	CT-121 (6000 Psi)	8	7	2024	6Diax12	---	14	28.28	74	5861	---	Non Engraved
3	CT-121 (6000 Psi)	8	7	2024	6Diax12	---	14	28.28	64	5069	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Mr. Ghulam Nabi CNIC # 35201-1248412-1

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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**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.

7555  
 Dr. Umbreen

To: Engr. Haseeb Afzal  
 Project Manager, HMB Developers (Pvt) Ltd.

Project: Nil

Our Ref. No. CL/CED/ 5471

Dated: 06-08-24

Test Specification

Your Ref. No. Nil

Dated: 05-08-24

( --- )

## 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	Rectangular, Grey, 80mm	---	---	---	7.8x3.9x3.0	---	3765	30.42	136	10014	---	---
2	Rectangular, Grey, 80mm	---	---	---	7.8x3.9x3.0	---	3760	30.42	125	9204	---	---
3	Rectangular, Grey, 80mm	---	---	---	7.8x3.9x3.0	---	3795	30.42	132	9720	---	---
4	Rectangular, Grey, 80mm	---	---	---	7.8x3.9x3.0	---	3690	30.42	129	9499	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Mr. Ghulam Nabi CNIC # 35201-1248412-1

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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Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



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**ORIGINAL**  
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7513  
 Dr. Umbreen

**To: Mr. M Waqas Anwar**  
 Resident Engineer, NESPAK (Pvt.) Ltd. Highway and Transportation Engineering Division  
 Project: Development of a Controlled Access Corridor Facility from Niazi Interchange to Babu Sabu Interchange, Lahore. Package-I (Km 0+000 to Km 3+650)  
 Our Ref. No. CL/CED/ 5472      Dated: 06-08-24  
 Your Ref. No. 3772/103/NBI(P-I)/MWA/04/266      Dated: 29-05-24

Test Specification  
 ( BS 3921\*\* )

## COMPRESSION TEST REPORT



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

Specimens received on: 29-07-24      Tested on: 06-08-24      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	AS	---	---	---	9 x 4.2 x 3	3715	3280	37.8	52	3081	13.26	---
2	AS	---	---	---	8.9 x 4.3 x 3	3905	3360	38.27	46	2692	16.22	---
3	AS	---	---	---	8.8 x 4.2 x 3	3865	3380	36.96	46	2788	14.35	---
4	AS	---	---	---	8.9 x 4.2 x 3	3850	3415	37.38	40	2397	12.74	---
5	AS	---	---	---	9 x 4.3 x 3	3855	3340	38.7	46	2663	15.42	---
6	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by:

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

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Director/Dy. Director Concrete Laboratory



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ORIGINAL  
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7543  
 Dr. Umbreen

To: Mr. Inzamam  
 MA Builders & Developers.

Project: Construction of House # 40, Block K, Model Town Lahore.

Our Ref. No. CL/CED/ 5473

Dated: 06-08-24

Test Specification

Your Ref. No. MA/40KBS/01

Dated: Nil

(ASTM C39)

## COMPRESSION TEST REPORT



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

Specimens received on: 05-08-24      Tested on: 06-08-24      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	20	5	2024	6Diax12	---	13	28.28	56	4436	---	Non Engraved
2	3000 Psi	20	5	2024	6Diax12	---	14	28.28	56	4436	---	Non Engraved
3	3000 Psi	20	5	2024	6Diax12	---	13.4	28.28	46	3644	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Nil

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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Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



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**Civil Engineering Department**  
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ORIGINAL  
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7537  
 Dr. Umbreen

**To: Mr. Zaheer Abbas**  
 Senior Manager Construction, Beaconhouse School System.

**Project: Construction of Beaconhouse School System at New Campus Wapda Town, Lahore.**

**Our Ref. No. CL/CED/ 5474**

**Dated: 06-08-24**

**Test Specification**

**Your Ref. No. Nil**

**Dated: 02-08-24**

**(ASTM C39)**

## COMPRESSION TEST REPORT



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

**Specimens received on: 02-08-24    Tested on: 06-08-24    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	Raft	4	7	2024	6Diax12	---	13.4	28.28	94	7446	---	Non Engraved
2	Raft	4	7	2024	6Diax12	---	14	28.28	83	6574	---	Non Engraved
3	Raft	4	7	2024	6Diax12	---	14	28.28	89	7050	---	Non Engraved
4	Column upto Slab	6	7	2024	6Diax12	---	13.2	28.28	48	3802	---	Non Engraved
5	Column upto Slab	6	7	2024	6Diax12	---	13.4	28.28	49	3881	---	Non Engraved
6	Column upto Slab	6	7	2024	6Diax12	---	13.4	28.28	50	3960	---	Non Engraved
7												
8												
9												
10	---	---	---	---	---	---	---	---	---	---	---	---
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**Witnessed by: Nil**

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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**Supervisor (Lab)**

**Director/Dy. Director Concrete Laboratory**



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**Civil Engineering Department**  
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ORIGINAL  
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7549  
 Dr. Umbreen

**To:** Mr. Gul Waqas Shahid  
 UNIRAZZ Services (Pvt.) Ltd. Construction Management & Engineering Services Lahore.  
 Project: Construction of Syed Wajid Ali Shah Auditorium, Al Aleem Medical College, Gulab Devi Hospital Lahore.  
 Our Ref. No. CL/CED/ 5475      Dated: 06-08-24  
 Your Ref. No. USPL/UET/2022      Dated: 05-08-24

Test Specification  
 (ASTM C39)

## COMPRESSION TEST REPORT



ONLINE REPORT

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

Specimens received on: 05-08-24      Tested on: 06-08-24      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	B-1,B-2,B-8	6	7	2024	6Diax12	---	13.4	28.28	48	3802	---	Non Engraved
2	B-1,B-2,B-8	6	7	2024	6Diax12	---	14	28.28	50	3960	---	Non Engraved
3	B-1,B-2,B-8	6	7	2024	6Diax12	---	13.6	28.28	48	3802	---	Non Engraved
4	S6	6	7	2024	6Diax12	---	13	28.28	46	3644	---	Non Engraved
5	S6	6	7	2024	6Diax12	---	13.4	28.28	48	3802	---	Non Engraved
6	S6	6	7	2024	6Diax12	---	13.4	28.28	52	4119	---	Non Engraved
7												
8												
9												
10	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Nil

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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Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



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**Civil Engineering Department**  
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ORIGINAL  
 A carbon copy for the report has been retained in the lab for record.

7540  
 Dr. Umbreen

To: Mr. M. Omer  
 Director, Design Spot.

Project: Construction of KFC Mughal Pura Lahore.

Our Ref. No. CL/CED/ 5476

Dated: 06-08-24

Test Specification

Your Ref. No. Nil

Dated: 02-08-24

(ASTM C39)

## COMPRESSION TEST REPORT



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

Specimens received on: 02-08-24 Tested on: 06-08-24 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	F4 (3000 Psi)	14	7	2024	6Diax12	---	13	28.28	46	3644	---	Engraved
2	F4 (3000 Psi)	14	7	2024	6Diax12	---	14	28.28	48	3802	---	Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
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14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Nil

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.

7540  
 Dr. Umbreen

To: Mr. M. Omer  
 Director, Design Spot.

Project: Construction of KFC Mughal Pura Lahore.

Our Ref. No. CL/CED/ 5477

Dated: 06-08-24

Test Specification

Your Ref. No. Nil

Dated: 02-08-24

(ASTM C39)

## COMPRESSION TEST REPORT



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

Specimens received on: 02-08-24      Tested on: 06-08-24      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	E3 (3000 Psi)	24	7	2024	6Diax12	---	14	28.28	68	5386	---	Engraved
2	E3 (3000 Psi)	24	7	2024	6Diax12	---	13	28.28	60	4752	---	Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Nil

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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Supervisor (Lab)

Director/Dy. Director Concrete Laboratory