



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.

9637
Dr. M. Yousaf

To: Mr. Muhammad Zaid Azeez
Material Engineer, NESPAK (Pvt) Ltd.

Project: Improvement of Water Supply / Sewerage System in UC-19 Ravi Zone, Lahore.

Our Ref. No. CL/CED/ 8669

Dated: 23/06/2025

Test Specification

Your Ref. No. NESPAK/WASA/RAVI-II/RE/216

Dated: 16/06/2025

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 19/06/2025 Tested on: 23/06/2025 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	Sample No.1	3	5	2025	6x6x6	---	8	36	55	3422	---	Non Engraved
2	Sample No.2	3	5	2025	6x6x6	---	8	36	54	3360	---	Non Engraved
3	Sample No.3	3	5	2025	6x6x6	---	8	36	48	2987	---	Non Engraved
4	Sample No.4	4	6	2025	6x6x6	---	8.4	36	58	3609	---	Engraved
5	Sample No.5	4	6	2025	6x6x6	---	8.4	36	57	3547	---	Engraved
6	Sample No.6	4	6	2025	6x6x6	---	8.2	36	54	3360	---	Engraved
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
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12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Nil

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"x12" 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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9642
Dr. M. Yousaf

To: Mr. Riaz Ahmad
Riaz Construction Company, Civil Contractor, Lahore.

Project: TCF High School Karankay Cantt. Area Lahore.

Our Ref. No. CL/CED/ 8670

Dated: 23/06/2025

Test Specification

Your Ref. No. Nil

Dated: 19/06/2025

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 20/06/2025 Tested on: 23/06/2025 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 Absorpti on (%)	Remarks
		DD	MM	YYYY								
1	2nd Floor Roof Slab	10	5	2025	6x6x6	---	8.2	36	92	5724	---	Engraved
2	2nd Floor Roof Slab	10	5	2025	6x6x6	---	8	36	98	6098	---	Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
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12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Nil

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

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9623
Dr. M. Yousaf

To: Mr. Sajjad Karim
Project Engineer, 7 Canal Developers.

Project: 7 Canal Residential Apartment Buildings.

Our Ref. No. CL/CED/ 8671

Dated: 23/06/2025

Test Specification

Your Ref. No. Nil

Dated: 17/06/2025

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 17/06/2025 Tested on: 23/06/2025 in dry/wet condition



Sr. No.	Mark*	Casting Date*			Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Water Absorption (%)	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)		
1	(4000 Psi)	2	6	2025	6Diax12	---	14	28.28	68	5386	---	Non Engraved
2	(4000 Psi)	2	6	2025	6Diax12	---	14	28.28	69	5465	---	Non Engraved
3	(4000 Psi)	3	6	2025	6Diax12	---	14	28.28	66	5228	---	Non Engraved
4	(4000 Psi)	3	6	2025	6Diax12	---	14	28.28	74	5861	---	Non Engraved
5	(5500 Psi)	3	6	2025	6Diax12	---	13.2	28.28	74	5861	---	Non Engraved
6	(5500 Psi)	3	6	2025	6Diax12	---	13	28.28	70	5545	---	Non Engraved
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: CNIC # 35202-3135814-3

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

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