



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.

154
Dr. M. Yousaf

To: Mr. Muhammad Saleem
Material Engineer, NESPAK, ADP WASA, Lahore
Project: Annual Development Program-WASA (ADP-2024-25) Rain Water Management- Drainage Arrangement for SORE Point at Railway Station Park, Lahore
Our Ref. No. CL/CED/ 9483 Dated: 18/09/2025 Test Specification
Your Ref. No. NESPAK/WASA/ADP/UGWT/R.S PARK/ME/36 Dated: 15/09/2025 (ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 16/09/2025 Tested on: 18/09/2025 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	Top Slab (4000 Psi)	11	8	2025	6Diax12	---	13.4	28.28	48	3802	---	Non Engraved
2	Top Slab (4000 Psi)	11	8	2025	6Diax12	---	13.2	28.28	48	3802	---	Non Engraved
3	Top Slab (4000 Psi)	11	8	2025	6Diax12	---	13.2	28.28	80	6337	---	Non Engraved
4	Top Slab (4000 Psi)	11	8	2025	6Diax12	---	13.2	28.28	62	4911	---	Non Engraved
5	Top Slab (4000 Psi)	11	8	2025	6Diax12	---	13	28.28	69	5465	---	Non Engraved
6	Top Slab (4000 Psi)	11	8	2025	6Diax12	---	13.6	28.28	45	3564	---	Non Engraved
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-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

- 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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161
Dr. M.Yousaf

To: Mr. M. Zaki
Resident Engineer, NESPAK (Pvt) Ltd. DGB Zone.

Project: Rehabilitation / Improvement of Street (P.C.C), Sewerage / Drainage UC 69, 81,198,199 Data Gunj Bukhsh Zone MCL. (UC-69)

Our Ref. No. CL/CED/ 9484

Dated: 18/09/2025

Test Specification

Your Ref. No. 4084/103/LDP/DGBT/04/140

Dated: 01/09/2025

(----)

COMPRESSION TEST REPORT



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

Specimens received on: 16/09/2025 Tested on: 18/09/2025 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	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.4	---	2860	29.64	126	9522	---	---
2	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.4	---	2855	29.64	132	9976	---	---
3	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.4	---	2825	29.64	80	6046	---	---
4	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.4	---	2800	29.64	118	8918	---	---
5	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.4	---	2935	29.64	137	10354	---	---
6	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.4	---	2770	29.64	137	10354	---	---
7	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.4	---	2850	29.64	148	11185	---	---
8	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.4	---	2845	29.64	127	9598	---	---
9	Rectangular, Red, 60mm	---	---	---	7.8 x 3.8 x 2.4	---	2785	29.64	100	7557	---	---
10	Rectangular, Red, 60mm	---	---	---	7.8 x 3.8 x 2.4	---	2825	29.64	140	10580	---	---
11	Rectangular, Red, 60mm	---	---	---	7.8 x 3.8 x 2.4	---	2810	29.64	105	7935	---	---
12	Rectangular, Red, 60mm	---	---	---	7.8 x 3.8 x 2.4	---	2850	29.64	135	10202	---	---
13	Rectangular, Red, 60mm	---	---	---	7.8 x 3.8 x 2.4	---	2890	29.64	130	9825	---	---
14	Rectangular, Red, 60mm	---	---	---	7.8 x 3.8 x 2.4	---	2860	29.64	114	8615	---	---
15	Rectangular, Red, 60mm	---	---	---	7.8 x 3.8 x 2.4	---	2860	29.64	120	9069	---	---
16	Rectangular, Red, 60mm	---	---	---	7.8 x 3.8 x 2.4	---	2830	29.64	144	10883	---	---

Witnessed by: Mr. Waqas, CNIC # 33303-6787060-9

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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Director/Dy. Director Concrete Laboratory



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161
Dr. M. Yousaf

To: Mr. M. Zaki
Resident Engineer, NESPAK (Pvt) Ltd. DGB Zone.

Project: Rehabilitation / Improvement of Street (P.C.C), Sewerage / Drainage UC 69, 81,198,199 Data Gunj Bukhsh Zone MCL. (UC-81)

Our Ref. No. CL/CED/ 9485

Dated: 18/09/2025

Test Specification

Your Ref. No. 4084/103/LDP/DGBT/04/137

Dated: 01/09/2025

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COMPRESSION TEST REPORT



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

Specimens received on: 16/09/2025 Tested on: 18/09/2025 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	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.9 x 3.1	---	3935	30.42	101	7437	---	---
2	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.9 x 3.1	---	3855	30.42	98	7216	---	---
3	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.9 x 3.1	---	3760	30.42	118	8689	---	---
4	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.9 x 3.1	---	3755	30.42	114	8394	---	---
5	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.9 x 3.1	---	3850	30.42	112	8247	---	---
6	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.9 x 3.1	---	3750	30.42	122	8984	---	---
7	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.9 x 3.1	---	3870	30.42	116	8542	---	---
8	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.9 x 3.1	---	3875	30.42	110	8100	---	---
9	Rectangular, Red, 80mm	---	---	---	7.8 x 3.9 x 3.1	---	3775	30.42	122	8984	---	---
10	Rectangular, Red, 80mm	---	---	---	7.8 x 3.9 x 3.1	---	3660	30.42	100	7364	---	---
11	Rectangular, Red, 80mm	---	---	---	7.8 x 3.9 x 3.1	---	3630	30.42	100	7364	---	---
12	Rectangular, Red, 80mm	---	---	---	7.8 x 3.9 x 3.1	---	3620	30.42	108	7953	---	---
13	Rectangular, Red, 80mm	---	---	---	7.8 x 3.9 x 3.1	---	3685	30.42	128	9425	---	---
14	Rectangular, Red, 80mm	---	---	---	7.8 x 3.9 x 3.1	---	3620	30.42	109	8026	---	---
15	Rectangular, Red, 80mm	---	---	---	7.8 x 3.9 x 3.1	---	3715	30.42	131	9646	---	---
16	Rectangular, Red, 80mm	---	---	---	7.8 x 3.9 x 3.1	---	3820	30.42	116	8542	---	---

Witnessed by: Mr. Waqas, CNIC # 33303-6787060-9

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- ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
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Director/Dy. Director Concrete Laboratory



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161
Dr. M. Yousaf

To: Mr. M. Zaki
Resident Engineer, NESPAK (Pvt) Ltd. DGB Zone.

Project: Rehabilitation / Improvement of Street (P.C.C), Sewerage / Drainage UC 68, 72, 73, 74 Data Gunj Bukhsh Zone MCL. (UC-68)

Our Ref. No. CL/CED/ 9486

Dated: 18/09/2025

Test Specification

Your Ref. No. 4084/103/LDP/DGBT/04/138

Dated: 01/09/2025

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COMPRESSION TEST REPORT



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

Specimens received on: 16/09/2025 Tested on: 18/09/2025 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	Rectangular, Grey, 80mm, UC68	---	---	---	7.8 x 3.9 x 3.1	---	3730	30.42	114	8394	---	---
2	Rectangular, Grey, 80mm, UC68	---	---	---	7.8 x 3.9 x 3.1	---	3635	30.42	85	6259	---	---
3	Rectangular, Red, 80mm, UC68	---	---	---	7.8 x 3.9 x 3.1	---	3645	30.42	101	7437	---	---
4	Rectangular, Red, 80mm, UC68	---	---	---	7.8 x 3.9 x 3.1	---	3710	30.42	112	8247	---	---
5	Rectangular, Grey, 60mm, UC72	---	---	---	7.8 x 3.8 x 2.4	---	2860	29.64	118	8918	---	---
6	Rectangular, Grey, 60mm, UC72	---	---	---	7.8 x 3.8 x 2.4	---	3030	29.64	123	9296	---	---
7	Rectangular, Red, 60mm, UC72	---	---	---	7.8 x 3.8 x 2.4	---	2850	29.64	132	9976	---	---
8	Rectangular, Red, 60mm, UC72	---	---	---	7.8 x 3.8 x 2.4	---	2890	29.64	135	10202	---	---
9	Rectangular, Grey, 60mm, UC73	---	---	---	7.8 x 3.8 x 2.4	---	2805	29.64	137	10354	---	---
10	Rectangular, Grey, 60mm, UC73	---	---	---	7.8 x 3.8 x 2.4	---	3025	29.64	115	8691	---	---
11	Rectangular, Red, 60mm, UC73	---	---	---	7.8 x 3.8 x 2.4	---	2825	29.64	122	9220	---	---
12	Rectangular, Red, 60mm, UC73	---	---	---	7.8 x 3.8 x 2.4	---	2830	29.64	128	9673	---	---
13	Rectangular, Grey 60mm, UC74	---	---	---	7.8 x 3.8 x 2.4	---	2925	29.64	142	10731	---	---
14	Rectangular, Grey 60mm, UC74	---	---	---	7.8 x 3.8 x 2.4	---	3080	29.64	137	10354	---	---
15	Rectangular, Red, 60mm, UC74	---	---	---	7.8 x 3.8 x 2.4	---	2930	29.64	134	10127	---	---
16	Rectangular, Red, 60mm, UC74	---	---	---	7.8 x 3.8 x 2.4	---	3040	29.64	124	9371	---	---

Witnessed by: Mr. Waqas, CNIC # 33303-6787060-9

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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
- *** 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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Dr. M. Yousaf

To: Mr. M. Zaki
Resident Engineer, NESPAK (Pvt) Ltd. DGB Zone.

Project: Rehabilitation / Improvement of Street (P.C.C), Sewerage/ Drainage UC 69, 81,198,199, Data Gunj Bukhsh Zone MCL. (UC-199)

Our Ref. No. CL/CED/ 9487

Dated: 18/09/2025

Test Specification

Your Ref. No. 4084/103/LDP/DGBT/04/136

Dated: 01/09/2025

(----)

COMPRESSION TEST REPORT



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

Specimens received on: 16/09/2025 Tested on: 18/09/2025 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	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.4	---	2895	29.64	113	8540	---	---
2	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.4	---	2880	29.64	114	8615	---	---
3	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.4	---	2850	29.64	113	8540	---	---
4	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.4	---	2900	29.64	112	8464	---	---
5	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.4	---	2915	29.64	112	8464	---	---
6	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.4	---	2940	29.64	128	9673	---	---
7	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.4	---	2900	29.64	94	7104	---	---
8	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.4	---	2890	29.64	125	9447	---	---
9	Rectangular, Red, 60mm	---	---	---	7.8 x 3.8 x 2.4	---	2900	29.64	81	6121	---	---
10	Rectangular, Red, 60mm	---	---	---	7.8 x 3.8 x 2.4	---	2880	29.64	104	7860	---	---
11	Rectangular, Red, 60mm	---	---	---	7.8 x 3.8 x 2.4	---	2836	29.64	127	9598	---	---
12	Rectangular, Red, 60mm	---	---	---	7.8 x 3.8 x 2.4	---	3030	29.64	128	9673	---	---
13	Rectangular, Red, 60mm	---	---	---	7.8 x 3.8 x 2.4	---	2890	29.64	117	8842	---	---
14	Rectangular, Red, 60mm	---	---	---	7.8 x 3.8 x 2.4	---	2855	29.64	103	7784	---	---
15	Rectangular, Red, 60mm	---	---	---	7.8 x 3.8 x 2.4	---	2850	29.64	121	9144	---	---
16	Rectangular, Red, 60mm	---	---	---	7.8 x 3.8 x 2.4	---	3000	29.64	100	7557	---	---

Witnessed by: Mr. Waqas, CNIC # 33303-6787060-9

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 Dr. M. Yousaf

To: Mr. Malik A. Rauf Awan
 Resident Engineer, PAK Tower

Project: Nil

Our Ref. No. CL/CED/ 9488

Dated: 18/09/2025

Test Specification

Your Ref. No. Nil

Dated: 02/09/2025

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 16/09/2025 **Tested on:** 18/09/2025 **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
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2	4000 Psi	8	8	2025	6Diax12	---	14.6	28.28	64	5069	---	Non Engraved
3	4000 Psi	8	8	2025	6Diax12	---	13.6	28.28	58	4594	---	Non Engraved
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-reports1/>

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