



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.

8908
Dr. M. Yousaf

To: Engr. Farrukh Alvi
Deputy General Manager (Works), Habib Rafiq Engineering (Pvt) Ltd.

Project: (Description: Core Wall # 02 (Level 02 - Level 03))

Our Ref. No. CL/CED/ 7510

Dated: 24/02/2025

Test Specification

Your Ref. No. HRLE/SKG/2025/199

Dated: 14/02/2025

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 14/02/2025 Tested on: 24/02/2025 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	8000 Psi (Lab No. 395)	17	1	2025	6Diax12	---	14	28.28	124	9822	---	Non Engraved
2	8000 Psi (Lab No. 395)	17	1	2025	6Diax12	---	14	28.28	85	6733	---	Non Engraved
3	8000 Psi (Lab No. 395)	17	1	2025	6Diax12	---	14	28.28	127	10059	---	Non Engraved
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"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.

8942
Dr. M. Yousaf

To: Mr. Abid Azim
Resident Engineer, Highways and Transportation Engineering Division, NESPAK (Pvt) Ltd
Project: Rehabilitation / Improvement of Roads Dhairr, Rasool Park, Siraj Park, Paracha Colony, Qazi Park, Ghoray Shah, Jhalaran & Narowal Road, Shahdara, UC 11 & 12, Ravi Zone MCL.
Our Ref. No. CL/CED/ 7511-1 of 2 Dated: 24/02/2025
Your Ref. No. 4084/103/LDP/Ravi/04/169 Dated: 11/02/2025

Test Specification
(----)

COMPRESSION TEST REPORT



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

Specimens received on: 18/02/2025 Tested on: 24/02/2025 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	Rectangular, Grey, 60mm	---	---	---	7.8x3.8x2.4	---	2700	29.64	56	4232	---	---
2	Rectangular, Grey, 60mm	---	---	---	7.8x3.8x2.4	---	2790	29.64	52	3930	---	---
3	Rectangular, Grey, 60mm	---	---	---	7.8x3.8x2.4	---	2740	29.64	68	5139	---	---
4	Rectangular, Grey, 60mm	---	---	---	7.8x3.8x2.4	---	2745	29.64	62	4686	---	---
5	Rectangular, Grey, 60mm	---	---	---	7.8x3.8x2.4	---	2930	29.64	72	5441	---	---
6	Rectangular, Grey, 60mm	---	---	---	7.8x3.8x2.4	---	2800	29.64	74	5592	---	---
7	Rectangular, Grey, 60mm	---	---	---	7.8x3.8x2.4	---	2735	29.64	95	7179	---	---
8	Rectangular, Grey, 60mm	---	---	---	7.8x3.8x2.4	---	2800	29.64	91	6877	---	---
9	Rectangular, Grey, 60mm	---	---	---	7.8x3.8x2.4	---	2795	29.64	85	6424	---	---
10	Rectangular, Grey, 60mm	---	---	---	7.8x3.8x2.4	---	2790	29.64	103	7784	---	---
11	Rectangular, Grey, 60mm	---	---	---	7.8x3.8x2.4	---	2750	29.64	100	7557	---	---
12	Rectangular, Grey, 60mm	---	---	---	7.8x3.8x2.4	---	2775	29.64	105	7935	---	---
13	Rectangular, Grey, 60mm	---	---	---	7.8x3.8x2.4	---	2690	29.64	109	8238	---	---
14	Rectangular, Grey, 60mm	---	---	---	7.8x3.8x2.4	---	2810	29.64	109	8238	---	---
15	Rectangular, Grey, 60mm	---	---	---	7.8x3.8x2.4	---	2710	29.64	107	8086	---	---
16	Rectangular, Grey, 60mm	---	---	---	7.8x3.8x2.4	---	2700	29.64	105	7935	---	---

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"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.

8942
Dr. M. Yousaf

To: Mr. Abid Azim
Resident Engineer, Highways and Transportation Engineering Division, NESPAK (Pvt) Ltd
Project: Rehabilitation / Improvement of Roads Dhairr, Rasool Park, Siraj Park, Paracha Colony, Qazi Park, Ghoray Shah, Jhalaran & Narowal Road, Shahdara, UC 11 & 12, Ravi Zone MCL.
Our Ref. No. CL/CED/ 7511-2 of 2 Dated: 24/02/2025
Your Ref. No. 4084/103/LDP/Ravi/04/169 Dated: 11/02/2025

Test Specification
(----)

COMPRESSION TEST REPORT



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

Specimens received on: 18/02/2025 Tested on: 24/02/2025 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	Rectangular, Red, 60mm	---	---	---	7.8x3.8x2.4	---	2750	29.64	109	8238	---	---
2	Rectangular, Red, 60mm	---	---	---	7.8x3.8x2.4	---	2700	29.64	106	8011	---	---
3	Rectangular, Red, 60mm	---	---	---	7.8x3.8x2.4	---	2750	29.64	111	8389	---	---
4	Rectangular, Red, 60mm	---	---	---	7.8x3.8x2.4	---	2775	29.64	115	8691	---	---
5	Rectangular, Red, 60mm	---	---	---	7.8x3.8x2.4	---	2845	29.64	100	7557	---	---
6	Rectangular, Red, 60mm	---	---	---	7.8x3.8x2.4	---	2725	29.64	104	7860	---	---
7	Rectangular, Red, 60mm	---	---	---	7.8x3.8x2.4	---	2705	29.64	95	7179	---	---
8	Rectangular, Red, 60mm	---	---	---	7.8x3.8x2.4	---	2730	29.64	105	7935	---	---
9	Rectangular, Red, 60mm	---	---	---	7.8x3.8x2.4	---	2735	29.64	108	8162	---	---
10	Rectangular, Red, 60mm	---	---	---	7.8x3.8x2.4	---	2725	29.64	80	6046	---	---
11	Rectangular, Red, 60mm	---	---	---	7.8x3.8x2.4	---	2745	29.64	105	7935	---	---
12	Rectangular, Red, 60mm	---	---	---	7.8x3.8x2.4	---	2735	29.64	105	7935	---	---
13	Rectangular, Red, 60mm	---	---	---	7.8x3.8x2.4	---	2740	29.64	96	7255	---	---
14	Rectangular, Red, 60mm	---	---	---	7.8x3.8x2.4	---	2725	29.64	110	8313	---	---
15	Rectangular, Red, 60mm	---	---	---	7.8x3.8x2.4	---	2710	29.64	114	8615	---	---
16	Rectangular, Red, 60mm	---	---	---	7.8x3.8x2.4	---	2750	29.64	106	8011	---	---

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"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.

8548
Dr. M. Yousaf

To: Engr. Muhammad Farooq Memom
Resident Engineer, Metroplan-Asian JV, Site Office, NSIC-Sargodha.

Project: Establishment of Nawaz Sharif Institute of Cardiology, Sargodha. (MIR No. 01, Dated 26-12-2024)

Our Ref. No. CL/CED/ 7512

Dated: 24/02/2025

Test Specification

Your Ref. No. Metro.-Asian-JV/IDAP-NSIC-LAB/MB-SGD-RE/148

Dated: 26/12/2024

(BS 3921**)

COMPRESSION TEST REPORT



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

Specimens received on: 31/12/2024 Tested on: 24/02/2025 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	A-1	---	---	---	9 x 4.1 x 3	2945	2650	36.9	29	1760	11.13	---
2	A-1	---	---	---	8.9 x 4 x 2.9	3010	2670	35.6	36	2265	12.73	---
3	A-1	---	---	---	8.9 x 4.2 x 2.8	2940	2665	37.38	39	2337	10.32	---
4	A-1	---	---	---	8.9 x 4.1 x 2.9	2915	2600	36.49	39	2394	12.12	---
5	A-1	---	---	---	9 x 4.2 x 3	2970	2660	37.8	38	2252	11.65	---
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"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