



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.

8855

Engr. A. Rehman

To: Mr. Fareed Maqsood
For and on behalf of CMA Engineering & Construction (Pvt) Ltd.

Project: Construction of House on Plot No. 115, Upper Mall Scheme, Lahore.

Our Ref. No. CL/CED/ 7318

Dated: 10/02/2025

Test Specification

Your Ref. No. CMA/UET/ML/002

Dated: 06/02/2025

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 07/02/2025 Tested on: 10/02/2025 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	Foundation	9	1	2025	6Diax12	---	13.4	28.28	25.25	2000	---	Engraved
2	Foundation	9	1	2025	6Diax12	---	13.4	28.28	34	2693	---	Engraved
3	Foundation	9	1	2025	6Diax12	---	13.2	28.28	21.5	1703	---	Engraved
4	Foundation	9	1	2025	6Diax12	---	13.4	28.28	22.5	1782	---	Engraved
5	Foundation	9	1	2025	6Diax12	---	14	28.28	26	2059	---	Engraved
6	Foundation	9	1	2025	6Diax12	---	13.6	28.28	35	2772	---	Engraved
7	Foundation	9	1	2025	6Diax12	---	13.4	28.28	23.5	1861	---	Engraved
8	Foundation	9	1	2025	6Diax12	---	13.8	28.28	27	2139	---	Engraved
9	Foundation	9	1	2025	6Diax12	---	13	28.28	24	1901	---	Engraved
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
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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.

8750
Dr. M. Yousaf

To: Mr. Abid Azim
Resident Engineer, Highways and Transportation Engineering Division. NESPAK (Pvt) Ltd
Project: Rehabilitation / Improvement of Roads Iqbal Park, Railway Colony, Mandar Dhiyan Singh, Molana Ahmed Ali Road & Lorry Adda UC 17 Ravi Zone MCL.
Our Ref. No. CL/CED/ 7319
Your Ref. No. 4048/103/LDP/Ravi/04/113

Dated: 10/02/2025

Test Specification

Dated: 23/01/2025

(BS 3921**)

COMPRESSION TEST REPORT



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

Specimens received on: 24/01/2025 Tested on: 10/02/2025 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	AF	---	---	---	9 x 4.3 x 2.9	3860	3415	38.7	40	2315	13.03	---
2	AF	---	---	---	8.9 x 4.2 x 2.9	3685	3260	37.38	41	2457	13.04	---
3	AF	---	---	---	8.9 x 4.3 x 3	3665	3270	38.27	44	2575	12.08	---
4	AF	---	---	---	8.9 x 4.2 x 2.9	3595	3190	37.38	41	2457	12.7	---
5	AF	---	---	---	9 x 4.2 x 3	3680	3280	37.8	43	2548	12.2	---
6	AF	---	---	---	8.8 x 4.3 x 3	3740	3305	37.84	44	2605	13.16	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
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- * as engraved on the specimens (if any)
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ORIGINAL

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8791
Dr. M. Yousaf

To: Engr. Ghulam Rasool
Resident Engineer, Highways and Transportation Engineering Division. NESPAK (Pvt) Ltd.

Project: Rehabilitation / Improvement of Streets (P.C.C), Sewerage / Drainage, UC-243, Nishtar Zone, MCL.

Our Ref. No. CL/CED/ 7320

Dated: 10/02/2025

Test Specification

Your Ref. No. 4084/103/LDP/NZ/04/41

Dated: 25/12/2024

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COMPRESSION TEST REPORT



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

Specimens received on: 30/01/2025 Tested on: 10/02/2025 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	K2	---	---	---	8.9 x 4.3 x 2.9	3710	3260	38.27	36	2107	13.8	---
2	K2	---	---	---	8.9 x 4.3 x 3	3495	3065	38.27	34	1990	14.03	---
3	K2	---	---	---	9 x 4.3 x 3	3595	3200	38.7	42	2431	12.34	---
4	RN	---	---	---	9 x 4.3 x 3	3695	3290	38.7	35	2026	12.31	---
5	RN	---	---	---	9 x 4.3 x 3	3725	3335	38.7	42	2431	11.69	---
6	RN	---	---	---	9 x 4.3 x 3.1	3825	3400	38.7	43	2489	12.5	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

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Director/Dy. Director Concrete Laboratory



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8771

Dr. M. Yousaf

To: Assistant Project Director
PMU-SBP, National Hockey Stadium, Lahore.

Project: Completion of International Squash Complex at Nishtar Park Sports Complex Lahore, G.S No. 300.

Our Ref. No. CL/CED/ 7321

Dated: 10/02/2025

Test Specification

Your Ref. No. ADP/PMU/SBP/LHR/25/803

Dated: 24/01/2025

(BS 3921**)

COMPRESSION TEST REPORT



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

Specimens received on: 29/01/2025 Tested on: 10/02/2025 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	Machine Made Double Line	---	---	---	8.9 x 4.2 x 2.8	3145	2655	37.38	29	1738	18.46	---
2	Machine Made Double Line	---	---	---	8.9 x 4.2 x 2.8	3095	2620	37.38	38	2277	18.13	---
3	Machine Made Double Line	---	---	---	8.8 x 4.2 x 2.9	3110	2575	36.96	37	2242	20.78	---
4	Machine Made Double Line	---	---	---	8.9 x 4.2 x 2.8	3005	2545	37.38	36	2157	18.07	---
5	Machine Made Double Line	---	---	---	8.9 x 4.2 x 2.9	3145	2600	37.38	40	2397	20.96	---
6	Machine Made Double Line	---	---	---	8.9 x 4.1 x 2.8	3170	2670	36.49	33	2026	18.73	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

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8752

Dr. M. Yousaf

To: Mr. Asim Chiragh

Resident Engineer, Highways and Transportation Engineering Division. NESPAK (Pvt.) Ltd.

Project: Rehabilitation of Muridke Narowal Road (Section Muridke to District Boundary) Length = 42.00 Km in District Sheikhpura.

Our Ref. No. CL/CED/ 7322

Dated: 10/02/2025

Test Specification

Your Ref. No. 3811/103/ADP-24/AC/06

Dated: 21/01/2025

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COMPRESSION TEST REPORT



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

Specimens received on: 24/01/2025 Tested on: 10/02/2025 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	Machine Made Double Line	---	---	---	8.7 x 4.2 x 2.7	2765	2545	36.54	31	1900	8.64	---
2	Machine Made Double Line	---	---	---	8.6 x 4.2 x 2.8	3015	2500	36.12	30	1860	20.6	---
3	Machine Made Double Line	---	---	---	8.8 x 4.1 x 2.8	3020	2525	36.08	36	2235	19.6	---
4	Machine Made Double Line	---	---	---	8.8 x 4.2 x 2.8	3220	2625	36.96	33	2000	22.67	---
5	PK	---	---	---	8.8 x 4.2 x 2.6	2990	2500	36.96	31	1879	19.6	---
6	PK	---	---	---	8.5 x 4.1 x 2.7	2880	2415	34.85	30	1928	19.25	---
7	PK	---	---	---	8.5 x 4.1 x 2.6	2900	2400	34.85	29	1864	20.83	---
8	PK	---	---	---	8.6 x 4.2 x 2.7	2930	2450	36.12	41	2543	19.59	---
9	PL	---	---	---	8.7 x 4.3 x 2.7	3135	2730	37.41	34	2036	14.84	---
10	PL	---	---	---	8.8 x 4.3 x 2.6	3095	2625	37.84	29	1717	17.9	---
11	PL	---	---	---	8.5 x 4.2 x 2.7	3070	2610	35.7	29	1820	17.62	---
12	PL	---	---	---	8.5 x 4.3 x 2.6	3145	2650	36.55	28	1716	18.68	---
13	SK	---	---	---	8.6 x 4.2 x 2.7	2705	2400	36.12	30	1860	12.71	---
14	SK	---	---	---	8.5 x 4.1 x 2.5	2725	2415	34.85	31	1993	12.84	---
15	SK	---	---	---	8.4 x 4 x 2.6	2730	2500	33.6	33	2200	9.2	---
16	SK	---	---	---	8.5 x 4.1 x 2.7	3005	2425	34.85	31	1993	23.92	---

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Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



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ORIGINAL

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8781
Dr. M. Yousaf

To: Lt. Col. (R) Muhammad Ibrahim
Senior Estate Engineer, Sundar Industrial Estate, Raiwind Road, Lahore.

Project: Construction of Pump House # 07 (Phase-II) in SIE.

Our Ref. No. CL/CED/ 7323

Dated: 10/02/2025

Test Specification

Your Ref. No. BOM/SIE/BCD 1-25/484

Dated: 28/01/2025

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COMPRESSION TEST REPORT



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

Specimens received on: 29/01/2025 Tested on: 10/02/2025 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	22	---	---	---	9 x 4.4 x 3	3715	3255	39.6	23	1301	14.13	---
2	22	---	---	---	9 x 4.4 x 3	3880	3390	39.6	25	1414	14.45	---
3	22	---	---	---	9 x 4.3 x 3	3810	3290	38.7	20	1158	15.81	---
4	22	---	---	---	9 x 4.3 x 2.9	3625	3255	38.7	27	1563	11.37	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
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8710
Dr. M. Yousaf

To: Engr. Ghulam Rasool
Resident Engineer, Highways and Transportation Engineering Division. NESPAK (Pvt) Ltd.
Project: Rehabilitation / Improvement of Streets (P.C.C) / Sewerage / Drainage, UC-237,238 & 239, Nishter Zone, MCL.
Our Ref. No. CL/CED/ 7324
Your Ref. No. 4084/103/LDP/NZ/04/130

Dated: 10/02/2025

Test Specification

Dated: 16/01/2025

(BS 3921**)

COMPRESSION TEST REPORT



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

Specimens received on: 20/01/2025 Tested on: 10/02/2025 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	22	---	---	---	9 x 4.4 x 3	3785	3350	39.6	40	2263	12.99	---
2	22	---	---	---	9 x 4.3 x 3	3740	3320	38.7	38	2199	12.65	---
3	22	---	---	---	8.9 x 4.3 x 3	3850	3455	38.27	43	2517	11.43	---
4	22	---	---	---	8.8 x 4.3 x 3	3830	3390	37.84	45	2664	12.98	---
5	22	---	---	---	9 x 4.4 x 3	3780	3315	39.6	34	1923	14.03	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
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8767

Dr. M. Yousaf

To: Mr. Junaid Ahmad
Project Engineer, Architecture & Planning Division, Lahore. NESPAK (Pvt) Ltd.
Project: Construction of test Beds and Workshop Building for AL-Ghazi Tractors Limited Sheikhpura Road, Lahore.
Our Ref. No. CL/CED/ 7325
Your Ref. No. 4829/311/JA/01/23849

Dated: 10/02/2025

Test Specification

Dated: 27/01/2025

(----)

COMPRESSION TEST REPORT



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

Specimens received on: 28/01/2025 Tested on: 10/02/2025 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	HB	---	---	---	8.9 x 4.3 x 3	3925	3495	38.27	45	2634	12.3	---
2	HB	---	---	---	8.8 x 4.3 x 2.9	3620	3225	37.84	48	2841	12.25	---
3	HB	---	---	---	8.8 x 4.3 x 3	3665	3215	37.84	41	2427	14	---
4	25	---	---	---	8.8 x 4.3 x 3.1	3880	3440	37.84	42	2486	12.79	---
5	25	---	---	---	8.8 x 4.3 x 3	3660	3275	37.84	43	2545	11.76	---
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