



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.

8638

Dr. M. Mazhar

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

Project: Commercial Tower, Finance Trade Centre, Lahore (11th Floor Columns H~N/4 & Shear Wall J~M/1~2)

Our Ref. No. CL/CED/ 7029

Dated: 1/13/2025

Test Specification

Your Ref. No. HMBDPL/S.O/01/25/162 (LHR)

Dated: 1/13/2025

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 1/13/2025 Tested on: 1/13/2025 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	CT-175 (5000 Psi)	16	12	2024	6Diax12	---	14	28.28	74	5861	---	Non Engraved
2	CT-175 (5000 Psi)	16	12	2024	6Diax12	---	14	28.28	77	6099	---	Non Engraved
3	CT-175 (5000 Psi)	16	12	2024	6Diax12	---	14.4	28.28	74	5861	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: HMBD, CNIC # 33103-0209597-3

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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Civil Engineering Department

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ORIGINAL

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8543

Dr. M. Yousaf

To: Mr. Imran Iftikhar

Assistant Executive Engineer-I, Central Civil Division No.1, Pak PWD, Lahore.

Project: Construction of Additional School Boundary Wall and Class Rooms at Bhagiana Khurd Primary School, District Kasur.

Our Ref. No. CL/CED/ 7030

Dated: 1/13/2025

Test Specification

Your Ref. No. AEE-I/CCD-I/LHR/202

Dated: 5/9/2024

(BS 3921**)

COMPRESSION TEST REPORT



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

Specimens received on: 12/31/2024 Tested on: 1/13/2025 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	RSB	---	---	---	8.8 x 4.2 x 3	3505	3220	36.96	42	2545	8.85	---
2	RSB	---	---	---	8.8 x 4.3 x 3	3740	3330	37.84	28	1658	12.31	---
3	RSB	---	---	---	8.7 x 4.3 x 3	3560	3140	37.41	42	2515	13.38	---
4	RSB	---	---	---	8.8 x 4.3 x 2.9	3670	3280	37.44	33	1974	11.89	---
5	RSB	---	---	---	8.7 x 4.2 x 2.9	3620	3250	37.44	38	2274	11.38	---
6	RSB	---	---	---	8.9 x 4.3 x 3	3585	3150	37.44	29	1735	13.81	---
7	RSB	---	---	---	8.8 x 4.2 x 2.9	3710	3250	36.96	40	2424	14.15	---
8	RSB	---	---	---	8.8 x 4.2 x 2.9	3575	3175	36.96	34	2061	12.6	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
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ORIGINAL
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8526
 Dr. M. Yousaf

To: Deputy Project Director
 PMU-SBP

Project: Construction of Sports Complex in 121 JB Gokhowall Tehsil & District Faisalabad.

Our Ref. No. CL/CED/ 7031

Dated: 1/13/2025

Test Specification

Your Ref. No. DPD/PMU/SBP/LHR/24/830

Dated: 12/30/2024

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COMPRESSION TEST REPORT



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

Specimens received on: 12/30/2024 Tested on: 1/13/2025 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	---	---	---	8.8 x 4.1 x 2.7	3135	2570	36.08	36	2235	21.98	---
2	Machine Made Double Line	---	---	---	8.8 x 4.1 x 2.8	3170	2605	36.08	37	2297	21.69	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

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

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Director/Dy. Director Concrete Laboratory



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8526
 Dr. M. Yousaf

To: Deputy Project Director
 PMU-SBP

Project: Rehabilitation of Crescent Sports Complex Faisalabad.

Our Ref. No. CL/CED/ 7032

Dated: 1/13/2025

Test Specification

Your Ref. No. DPD/PMU/SBP/LHR/24/828

Dated: 12/30/2024

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COMPRESSION TEST REPORT



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

Specimens received on: 12/30/2024 Tested on: 1/13/2025 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 2.6	3200	2690	36.54	41	2513	18.96	---
2	Machine Made Double Line	---	---	---	8.6 x 4.2 x 2.7	3180	2710	36.12	36	2233	17.34	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by:

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

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8614

Dr. M. Yousaf

To: Mr. Imtihan Shaukat
Civil Generalist, Department of Engineering, Ittehad Chemicals Ltd.

Project: Nil

Our Ref. No. CL/CED/ 7033

Dated: 1/13/2025

Test Specification

Your Ref. No. Nil

Dated: 12/24/2024

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COMPRESSION TEST REPORT



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

Specimens received on: 1/9/2025 Tested on: 1/13/2025 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	Uni-Block, Grey, 80mm	---	---	---	3.1 thick	---	4455	37.44	66	3949	---	---
2	Uni-Block, Grey, 80mm	---	---	---	3.1 thick	---	4560	37.44	109	6521	---	---
3	Uni-Block, Grey, 80mm	---	---	---	3.1 thick	---	4935	37.44	121	7239	---	---
4	Uni-Block, Grey, 80mm	---	---	---	3.1 thick	---	4425	37.44	109	6521	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Nil

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

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Director/Dy. Director Concrete Laboratory



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ORIGINAL

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8538

Dr. M. Yousaf

To: Mr. Muhammad Azmat
Resident Engineer, Nespak-Turpak JV Site Office, Lady Willingdon Hospital, Lahore.

Project: Reconstruction of Lady Willingdon Hospital, Lahore.

Our Ref. No. CL/CED/ 7034

Dated: 1/13/2025

Test Specification

Your Ref. No. 4729/13/MA/04/153

Dated: 12/17/2024

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COMPRESSION TEST REPORT



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

Specimens received on: 12/31/2024 Tested on: 1/13/2025 in dry/wet condition



Sr. No.	Mark*	Casting Date*			Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Water Absorpti on (%)	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)		
1	ZS	---	---	---	8.8 x 4.3 x 3	3720	3290	37.84	46	2723	13.07	---
2	ZS	---	---	---	8.9 x 4.3 x 3	3875	3385	38.27	44	2575	14.48	---
3	ZS	---	---	---	9 x 4.4 x 3	3715	3295	39.6	42	2376	12.75	---
4	110	---	---	---	8.7 x 4.3 x 3	3595	3190	37.41	38	2275	12.7	---
5	110	---	---	---	8.8 x 4.3 x 3	3880	3460	37.84	40	2368	12.14	---
6	110	---	---	---	8.9 x 4.3 x 3	3740	3370	38.27	38	2224	10.98	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
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Civil Engineering Department

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ORIGINAL

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8562

Dr. M. Yousaf

To: Professional Construction Service Pvt. Ltd.
301-A, Block-R, Johar Town, Lahore.

Project: Construction of TCF Primary School Taunsa Sharif DG Khan, Punjab.

Our Ref. No. CL/CED/ 7035

Dated: 1/13/2025

Test Specification

Your Ref. No. PCS/25/Eng-01

Dated: 1/2/2025

(----)

COMPRESSION TEST REPORT



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

Specimens received on: 1/2/2025 Tested on: 1/13/2025 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	11	---	---	---	8.9 x 4.3 x 2.9	3260	2745	38.27	30	1756	18.76	---
2	11	---	---	---	8.7 x 4.2 x 2.8	2880	2630	36.54	36	2207	9.51	---
3	11	---	---	---	8.8 x 4.3 x 2.9	3390	2900	37.84	39	2309	16.9	---
4	11	---	---	---	8.7 x 4.1 x 2.8	3225	2805	35.67	39	2449	14.97	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

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University of Engineering and Technology, Lahore, Pakistan
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Dr. M. Yousaf

To: Engr. Ghulam Rasool
Resident Engineer, NESPAK, MCL-Nishtar Zone, Lahore.

Project: Rehabilitation / Improvement of Streets (P.C.C) Sewerage/ Drainage UC-195 Nishtar Zone MCL.

Our Ref. No. CL/CED/ 7036

Dated: 1/13/2025

Test Specification

Your Ref. No. 103/LDP/NZ/04/20

Dated: 12/18/2024

(----)

COMPRESSION TEST REPORT



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

Specimens received on: 1/2/2025 Tested on: 1/13/2025 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	333	---	---	---	8.9 x 4.3 x 3	3650	3275	38.27	38	2224	11.45	---
2	333	---	---	---	8.8 x 4.3 x 3	3620	3265	37.84	33	1953	10.87	---
3	333	---	---	---	8.8 x 4.2 x 2.8	3715	3295	36.96	41	2485	12.75	---
4	22	---	---	---	8.8 x 4.3 x 3	3970	3310	37.84	34	2013	19.94	---
5	22	---	---	---	8.8 x 4.3 x 3	3715	3380	37.84	40	2368	9.91	---
6	22	---	---	---	8.9 x 4.3 x 3	3850	3405	38.27	36	2107	13.07	---
7	AB	---	---	---	9 x 4.3 x 3	3965	3445	38.7	34	1968	15.09	---
8	AB	---	---	---	9 x 4.4 x 3	3985	3505	39.6	44	2489	13.69	---
9	AB	---	---	---	9 x 4.4 x 3	3940	3475	39.6	35	1980	13.38	---
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