



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.

5359
 Dr. Umbreen

To: Mr. Imran Sattar, Divisional Forest Officer
 Kasur Forest Division at Changa Manga.

Project: Construction of Boundary Wall at Changa Manga Irrigated Plantation.

Our Ref. No. CL/CED/ 2150-3 of 3

Dated: 26-06-23

Test Specification

Your Ref. No. 1042-44/AC

Dated: 12-05-23

(----)

COMPRESSION TEST REPORT



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

Specimens received on: 08-06-23 **Tested on:** 26-06-23 **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	MB	---	---	---	8.8 x 4.3 x 3	---	3410	37.84	39	2309	---	---
2	MB	---	---	---	8.7 x 4.3 x 3	---	3355	37.41	43	2575	---	---
3	MB	---	---	---	8.9 x 4.3 x 2.9	---	3355	38.27	39	2283	---	---
4	MB	---	---	---	8.7 x 4.2 x 2.9	---	3295	36.54	38	2330	---	---
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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" dia x 12" 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.

5464
 Dr. Umbreen

To: Project Manager
Baig Construction

Project: Construction of Jinnah Squair Mall Khyaban e Jinnah Road, Lahore.

Our Ref. No. CL/CED/ 2265

Dated: 26-06-23

Test Specification

Your Ref. No. CBT/UET/08

Dated: 22-06-23

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 22-06-23 Tested on: 26-06-23 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	Columns (5500 Psi)	19	5	2023	6Diax12	---	13	28.28	81	6416	---	Non Engraved
2	Columns (5500 Psi)	19	5	2023	6Diax12	---	14	28.28	53	4198	---	Non Engraved
3	Columns (5500 Psi)	19	5	2023	6Diax12	---	13	28.28	73	5782	---	Non Engraved
4	Stair (3000 Psi)	19	5	2023	6Diax12	---	13.4	28.28	49	3881	---	Non Engraved
5	Stair (3000 Psi)	19	5	2023	6Diax12	---	13.6	28.28	41	3248	---	Non Engraved
6	---	---	---	---	---	---	---	---	---	---	---	---
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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



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ORIGINAL
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5478
 Dr. Umbreen

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

Project: Commercial Tower, Finance Trade Centre Lahore.

Our Ref. No. CL/CED/ 2266

Dated: 26-06-23

Test Specification

Your Ref. No. HMBDPL/S.O/05/23/46th (LHR)

Dated: 26-06-23

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 26-06-23 **Tested on:** 26-06-23 **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	Reference No.C-03 (4500 Psi)	26	5	2023	6Diax12	---	14	28.28	59	4673	---	Non Engraved
2	Reference No.C-03 (4500 Psi)	26	5	2023	6Diax12	---	14	28.28	63	4990	---	Non Engraved
3	Reference No.C-03 (4500 Psi)	26	5	2023	6Diax12	---	13.8	28.28	63	4990	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: CNIC # 35201-8931685-1

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
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5478
 Dr. Umbreen

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

Project: Commercial Tower, Finance Trade Centre Lahore.

Our Ref. No. CL/CED/ 2267

Dated: 26-06-23

Test Specification

Your Ref. No. HMBDPL/S.O/05/23/47th (LHR)

Dated: 26-06-23

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 26-06-23 **Tested on:** 26-06-23 **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	Reference No.C-03 (4500 Psi)	26	5	2023	6Diax12	---	13.6	28.28	69	5465	---	Non Engraved
2	Reference No.C-03 (4500 Psi)	26	5	2023	6Diax12	---	13.6	28.28	68	5386	---	Non Engraved
3	Reference No.C-03 (4500 Psi)	26	5	2023	6Diax12	---	13.4	28.28	63	4990	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: CNIC # 35201-8931685-1

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

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ORIGINAL
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5457
 Dr. Umbreen

To: **ICON Developers**
 11-CCA, Phase-4 DHA, Lahore.

Project: Construction of Monnoo Boarding House (Client: Aitchison College Lahore)

Our Ref. No. CL/CED/ 2268

Dated: 26-06-23

Test Specification

Your Ref. No. Nil

Dated: 20-06-23

(ASTM C39)

COMPRESSION TEST REPORT



ONLINE REPORT

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

Specimens received on: **21-06-23** Tested on: **26-06-23** 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	F.F Slab (3000 Psi) (1:2:4)	22	5	2023	6Diax12	---	13.4	28.28	33	2614	---	Non Engraved
2	F.F Slab (3000 Psi) (1:2:4)	22	5	2023	6Diax12	---	13.8	28.28	25	1980	---	Non Engraved
3	F.F Slab (3000 Psi) (1:2:4)	22	5	2023	6Diax12	---	13.2	28.28	35	2772	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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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)
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Director/Dy. Director Concrete Laboratory



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ORIGINAL
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5470
 Dr. Umbreen

To: Engr. Zaheer Ud Din Babar
 Deputy General Manager Projects, For Habib Rafiq Engineering (Pvt.) Ltd.

Project: Construction of Sky Gardens Tower, Lahore

Our Ref. No. CL/CED/ 2269

Dated: 26-06-23

Test Specification

Your Ref. No. HRLE/SKG/2023/0129

Dated: 23-06-23

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: **23-6-2023** Tested on: **26-06-23** 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	Trial No.79 (7000 Psi)	27	5	2023	6Diax12	---	14.2	28.28	98	7762	---	Non Engraved
2	Trial No.79 (7000 Psi)	27	5	2023	6Diax12	---	14	28.28	110	8713	---	Non Engraved
3	Trial No.79 (7000 Psi)	27	5	2023	6Diax12	---	14.4	28.28	112	8871	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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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)
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Director/Dy. Director Concrete Laboratory



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5470
 Dr. Umbreen

To: Engr. Zaheer Ud Din Babar
 Deputy General Manager Projects, For Habib Rafiq Engineering (Pvt.) Ltd.

Project: Construction of Sky Gardens Tower, Lahore

Our Ref. No. CL/CED/ 2270

Dated: 26-06-23

Test Specification

Your Ref. No. HRLE/SKG/2023/0130

Dated: 23-06-23

(ASTM C39)

COMPRESSION TEST REPORT



ONLINE REPORT

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

Specimens received on: 23-6-2023 Tested on: 26-06-23 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	Trial No.80 (8000 Psi)	27	5	2023	6Diax12	---	15	28.28	98	7762	---	Non Engraved
2	Trial No.80 (8000 Psi)	27	5	2023	6Diax12	---	14.4	28.28	94	7446	---	Non Engraved
3	Trial No.80 (8000 Psi)	27	5	2023	6Diax12	---	14.6	28.28	102	8079	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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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
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Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



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5474
 Dr. Umbreen

To: Mr. Muhammad Arfat, Resident Engineer
 ACE Architectural and Town Planning Services Limited
 Project: Establishment of University of Applied Engineering and Emerging Technologies (UAEET) Sambrial, Sialkot.
 Our Ref. No. CL/CED/ 2271 Dated: 26-06-23
 Your Ref. No. ER/UAEET/ACE/ME/2023/20 Dated: 22-06-23

Test Specification
 (----)

COMPRESSION TEST REPORT



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

Specimens received on: **23-06-23** Tested on: **26-06-23** 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	Solid Block (1900 Psi)	7	5	2023	11.8 x 4 x 6	---	9	47.2	47	2231	---	---
2	Solid Block (1900 Psi)	7	5	2023	11.7 x 3.9 x 5.7	---	9	45.63	46	2258	---	---
3	Solid Block (1900 Psi)	7	5	2023	11.8 x 3.9 x 6	---	9.4	46.02	53	2580	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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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" dia x 12" cylinder) strength at 28 days as compressive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory

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- 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.

5474
 Dr. Umbreen

To: Mr. Muhammad Arfat, Resident Engineer
 ACE Architectural and Town Planning Services Limited
 Project: Establishment of University of Applied Engineering and Emerging Technologies (UAEET) Sambrial, Sialkot.
 Our Ref. No. CL/CED/ 2272 Dated: 26-06-23
 Your Ref. No. ER/UAEET/ACE/ME/2023/19 Dated: 22-06-23

Test Specification
 (----)

COMPRESSION TEST REPORT



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

Specimens received on: **23-06-23** Tested on: **26-06-23** 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	Solid Block (1900 Psi)	18	5	2023	11.8 x 6 x 7.9	---	21	70.8	112	3544	---	---
2	Solid Block (1900 Psi)	18	5	2023	11.9 x 6 x 8	---	21	71.4	122	3827	---	---
3	Solid Block (1900 Psi)	18	5	2023	11.8 x 6 x 7.9	---	21	70.8	140	4429	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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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

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- 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
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ORIGINAL
 A carbon copy for the report has been retained in the lab for record.

5468
 Dr. Umbreen

To: Asstt: Ex: Engineer-III, Central Civil Division
 Pakistan Public Works Department, Faisalabad.

Project: Construction of Tuff Tile in Hounda Agency Street No.3, Munawar Mughal House, Tehsil Gojra
 District Toba Tek Singh, (9/41).

Our Ref. No. CL/CED/ 2273

Dated: 26-06-23

Test Specification

Your Ref. No. AEE-III/CCD/FSD/97

Dated: 28-02-23

(----)

COMPRESSION TEST REPORT



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

Specimens received on: **22-06-23** Tested on: **26-06-23** 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, 60 mm	---	---	---	7.7 x 3.8 x 2.3	---	2755	29.26	153	11713	---	---	
2	Rectangular, Grey, 60 mm	---	---	---	7.7 x 3.8 x 2.3	---	2690	29.26	150	11483	---	---	
3	Rectangular, Grey, 60 mm	---	---	---	7.7 x 3.8 x 2.3	---	2700	29.26	143	10947	---	---	
4	---	---	---	---	---	---	---	---	---	---	---	---	
5	---	---	---	---	---	---	---	---	---	---	---	---	
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Witnessed by: Mr. Aamir Riaz, CNIC # 35201-4161227-1

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
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Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



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ORIGINAL
 A carbon copy for the report has been retained in the lab for record.

5453
 Dr. Umbreen

To: Lt. Col. Muhammad Naeem Zubairy, TI (M) (Retd.)
 Director of Sales and Marketing, Glosix Properties.

Project: Construction of LC-67, Phase II, Dream Gardens, Lahore.

Our Ref. No. CL/CED/ 2274

Dated: 26-06-23

Test Specification

Your Ref. No. Nil

Dated: Nil

(----)

COMPRESSION TEST REPORT



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

Specimens received on: 21-06-23 **Tested on:** 26-06-23 **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	Hollow Block	---	---	---	15.8 x 5.9 x 8	---	19	56.48	43	1705	---	---	
2	Hollow Block	---	---	---	15.8 x 5.9 x 8	---	15	52.66	23	978	---	---	
3	---	---	---	---	---	---	---	---	---	---	---	---	
4	---	---	---	---	---	---	---	---	---	---	---	---	
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Witnessed by: Mr. Zafar Iqbal

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Supervisor (Lab)

Director/Dy. Director Concrete Laboratory