



# 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.

6384

Dr. Umbreen

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

Project: Construction of Commercial Tower, Finance Trade Centre Lahore. (Retaining Wall N'-G/4')

Our Ref. No. CL/CED/ 3730

Dated: 15/12/2023

Test Specification

Your Ref. No. HMBDPL/S.O/12/23/82th (LHR)

Dated: 14/12/2023

(ASTM C39)

## COMPRESSION TEST REPORT



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

Specimens received on: 14/12/2023 Tested on: 15/12/2023 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	CT-61 (3500 Psi)	16	11	2023	6Diax12	---	13.6	28.28	54	4277	---	Non Engraved
2	CT-61 (3500 Psi)	16	11	2023	6Diax12	---	13.4	28.28	48	3802	---	Non Engraved
3	CT-61 (3500 Psi)	16	11	2023	6Diax12	---	13.8	28.28	54	4277	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
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10	---	---	---	---	---	---	---	---	---	---	---	---
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14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

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

- \* 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.

6391  
Dr. Umbreen

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

Project: Construction of Commercial Tower, Finance Trade Centre Lahore (B1 Columns N, M, J, H/1, H, G/4, N, C, A/2 A1/2' & GB Lift J-M/1-2)

Our Ref. No. CL/CED/ 3731

Dated: 15/12/2023

Test Specification

Your Ref. No. HMBDPL/S.O/12/23/83th (LHR)

Dated: 15/12/2023

(ASTM C39)

## COMPRESSION TEST REPORT



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

Specimens received on: 15/12/2023 Tested on: 15/12/2023 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	CT-60 (6000 Psi)	16	11	2023	6Diax12	---	14.2	28.28	95	7525	---	Non Engraved
2	CT-60 (6000 Psi)	16	11	2023	6Diax12	---	13.6	28.28	89	7050	---	Non Engraved
3	CT-60 (6000 Psi)	16	11	2023	6Diax12	---	13.2	28.28	87	6891	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Mr. Ghulam Nabi

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

- \* 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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Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

**ORIGINAL**

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

6365  
Dr. Umbreen

To: Sub Divisional Officer  
Buildings Sub Division No. 15, Lahore

Project: Construction of Bachelor Accommodation and Judicial Rest House at Dharampura District, Lahore.  
(Columns of Nine Floor Bachelor Block)

Our Ref. No. CL/CED/ 3732

Dated: 15/12/2023

Test Specification

Your Ref. No. No. 4183

Dated: 11-12-23

(ASTM C39)

## COMPRESSION TEST REPORT



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

Specimens received on: 11-12-23 Tested on: 15/12/2023 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	5000 Psi	7	11	2023	6Diax12	---	14	28.28	89	7050	---	Non Engraved
2	5000 Psi	7	11	2023	6Diax12	---	14	28.28	88	6970	---	Non Engraved
3	5000 Psi	7	11	2023	6Diax12	---	13.4	28.28	95	7525	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
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12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

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

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

6365  
Dr. Umbreen

To: Sub Divisional Officer  
Buildings Sub Division No. 15, Lahore

Project: Construction of Bachelor Accommodation and Judicial Rest House at Dharampura District, Lahore.  
(Shear Wall of Nine Floor Bachelor Block)

Our Ref. No. CL/CED/ 3733

Dated: 15/12/2023

Test Specification

Your Ref. No. No. 4181

Dated: 11-12-23

(ASTM C39)

## COMPRESSION TEST REPORT



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

Specimens received on: 11-12-23 Tested on: 15/12/2023 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	5000 Psi	7	11	2023	6Diax12	---	13	28.28	97	7683	---	Non Engraved
2	5000 Psi	7	11	2023	6Diax12	---	14.2	28.28	84	6653	---	Non Engraved
3	5000 Psi	7	11	2023	6Diax12	---	13	28.28	83	6574	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

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

- \* 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)
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Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



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**ORIGINAL**

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6373  
Dr. Umbreen

To: Mr. Hafiz Muhammad Javed  
Manager Civil, SUNSHINE BY STYLERS INTERNATIONAL

Project: SUNSHINE BY STYLERS

Our Ref. No. CL/CED/ 3734

Dated: 15/12/2023

Test Specification

Your Ref. No. SPS/BML/015/2023

Dated: 12-12-23

(ASTM C39)

## COMPRESSION TEST REPORT



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

Specimens received on: 12/12/2023 Tested on: 15/12/2023 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	3500 Psi (P4, P5, P6)	14	11	2023	6Diax12	---	14	28.28	92	7287	---	Non Engraved
2	3500 Psi (P4, P5, P6)	14	11	2023	6Diax12	---	14	28.28	95	7525	---	Non Engraved
3	3500 Psi (P4, P5, P6)	14	11	2023	6Diax12	---	13.8	28.28	103	8158	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
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12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

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

- \* 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)
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Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



# Plain and Reinforced Concrete Laboratory

## Civil Engineering Department

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**ORIGINAL**

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6372  
Dr. Umbreen

To: HSM ENGINEERING  
Beside Punjab Industrial Estate #4, Bhanpur Gujranwala, Pakistan.

Project: Construction of Record Room at Attock Petroleum Ltd Muridke Sheikhupura.

Our Ref. No. CL/CED/ 3735

Dated: 15/12/2023

Test Specification

Your Ref. No. Nil

Dated: 12-12-23

(BS 1881-116)

## COMPRESSION TEST REPORT



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

Specimens received on: 12/12/2023 Tested on: 15/12/2023 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	Col. Upto Plinth (3500 Psi)	20	10	2023	6x6x6	---	9	36	64	3982	---	Non Engraved
2	Col. Upto Plinth (3500 Psi)	20	10	2023	6x6x6	---	8.6	36	64	3982	---	Non Engraved
3	Col. Upto Plinth (3500 Psi)	20	10	2023	6x6x6	---	8.8	36	54	3360	---	Non Engraved
4	Col. Upto Plinth (3500 Psi)	24	10	2023	6x6x6	---	8.4	36	68	4231	---	Non Engraved
5	Col. Upto Plinth (3500 Psi)	24	10	2023	6x6x6	---	8.8	36	64	3982	---	Non Engraved
6	Col. Upto Plinth (3500 Psi)	24	10	2023	6x6x6	---	8.8	36	73	4542	---	Non Engraved
7	Col. Above Plinth (3500 Psi)	15	11	2023	6x6x6	---	8.6	36	64	3982	---	Engraved
8	Col. Above Plinth (3500 Psi)	15	11	2023	6x6x6	---	8.4	36	53	3298	---	Engraved
9	Col. Above Plinth (3500 Psi)	15	11	2023	6x6x6	---	8.4	36	58	3609	---	Engraved
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

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

- \* 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.

6385  
 Dr. Umbreen

To: **Chen Dianbo**  
 Chief Operation Officer, SUNWALK Optical Fiber Network (Private) Limited

Project: Link 18 (FSD-MLT) Against 555 KM Project.

Our Ref. No. CL/CED/ 3736

Dated: 15/12/2023

Test Specification

Your Ref. No. SOFN/09/CUBE/ UET

Dated: 05-12-23

( BS 1881-116 )

## COMPRESSION TEST REPORT



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

Specimens received on: 14/12/2023 Tested on: 15/12/2023 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	---	8	12	2023	6 x 5.4 x 6	---	6.2	32.4	21	1452	---	Non Engraved
2	---	8	12	2023	6 x 5.2 x 6	---	6.6	31.2	17	1221	---	Non Engraved
3	---	1	12	2023	6 x 5.4 x 6	---	6.8	32.4	18	1244	---	Non Engraved
4	---	1	12	2023	6 x 5.4 x 6	---	6.8	32.4	15	1037	---	Non Engraved
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
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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

- 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**  
 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.

6348  
 Dr. Umbreen

**To:** Sub Divisional Officer  
 Buildings Sub Division, Nankana Sahib

**Project:** Construction of PHP Post Zafar Ullah District Nankana Sahib

**Our Ref. No.** CL/CED/ 3737

**Dated:** 15/12/2023

**Test Specification**

**Your Ref. No.** 1156/SDO/BSO/NNS

**Dated:** 22/9/2023

( ---- )

## COMPRESSION TEST REPORT



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

**Specimens received on:** 07-12-23 **Tested on:** 15/12/2023 **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	CM	---	---	---	8.6 x 4.2 x 3	---	3035	36.12	34	2109	---	---
2	CM	---	---	---	8.6 x 4.2 x 3	---	2975	36.12	30	1860	---	---
3	CM	---	---	---	8.6 x 4.2 x 3	---	3030	36.12	28	1736	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

**Witnessed by:**

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

- \* 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.

6334  
 Dr. Umbreen

**To:** Engr. Hassan Mahmood  
 Resident Engineer, G3 Engineering Consultants (Pvt) Ltd

**Project:** Construction of DHA Newlife Residency Apartments at 273/1 Q Block Phase-II DHA, Lahore.

**Our Ref. No. CL/CED/** 3738

**Dated:** 15/12/2023

**Test Specification**

**Your Ref. No.** G3/DHA-NLD/RE/204

**Dated:** 04-12-23

( BS 3921\*\* )

## COMPRESSION TEST REPORT



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

**Specimens received on:** 05-12-23 **Tested on:** 15/12/2023 **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	86	---	---	---	9 x 4.3 x 3.1	3945	3495	38.7	68	3936	12.88	---
2	86	---	---	---	8.7 x 4.3 x 3	3925	3510	37.41	49	2934	11.82	---
3	86	---	---	---	8.8 x 4.3 x 3	3820	3485	37.84	50	2960	9.61	---
4	86	---	---	---	8.9 x 4.3 x 3.1	3880	3480	38.27	74	4331	11.49	---
5	86	---	---	---	8.8 x 4.3 x 3.1	3920	3545	37.84	54	3197	10.58	---
6	86	---	---	---	8.7 x 4.3 x 3	3760	3415	37.41	58	3473	10.1	---
7	86	---	---	---	8.7 x 4.3 x 3	3870	3435	37.41	55	3293	12.66	---
8	86	---	---	---	8.8 x 4.2 x 3	3935	3415	36.96	50	3030	15.23	---
9	86	---	---	---	8.8 x 4.3 x 3	3785	3460	37.84	48	2841	9.39	---
10	86	---	---	---	8.9 x 4.3 x 3.1	3915	3445	38.27	50	2927	13.64	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

**Witnessed by:**

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

- \* 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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- \*\*\*\* 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)
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**Supervisor (Lab)**

**Director/Dy. Director Concrete Laboratory**



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**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.

6352  
 Dr. Umbreen

To: Engr. Nouman Qamar  
 Resident Engineer, AZEA, Narowal.

Project: Widening / Improvement of Road from Sialkot Cantt to Jassar Garrison Length = 69.00 KM, in District Narowal.

Our Ref. No. CL/CED/ 3739

Dated: 15/12/2023

Test Specification

Your Ref. No. AZ/RE/SNR/53

Dated: 30-11-23

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## COMPRESSION TEST REPORT



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

Specimens received on: 07-12-23      Tested on: 15/12/2023      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	---	---	---	8.6 x 4.2 x 2.6	3045	2530	36.12	54	3349	20.36	---
2	Machine Made Double Line	---	---	---	8.2 x 4.1 x 2.4	2765	2315	33.62	34	2265	19.44	---
3	Machine Made Double Line	---	---	---	8.3 x 4.2 x 2.6	2795	2395	34.86	30	1928	16.7	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
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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)
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- \*\*\*\* 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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Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



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**Civil Engineering Department**  
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ORIGINAL  
 A carbon copy for the report has been retained in the lab for record.

6390  
 Dr. Umbreen

To: Mr. Saeed Ahmad  
 ARE, Punjab Cities Program Package-V, Khanewal

Project: Widening / Raising and Improvement of Existing 2 Roads Including Installation of Street Lights in Khanewal City. (Old Karkhana Road)

Our Ref. No. CL/CED/ 3740

Dated: 15/12/2023

Test Specification

Your Ref. No. PCP/KW-83/2023

Dated: 13/12/2023

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## COMPRESSION TEST REPORT



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

Specimens received on: 15/12/2023    Tested on: 15/12/2023    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 3.8 x 3.2	---	3770	29.64	106	8011	---	---
2	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.8 x 3.2	---	3755	29.64	98	7406	---	---
3	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.8 x 3.2	---	3735	29.64	105	7935	---	---
4	Rectangular, Red, 80mm	---	---	---	7.8 x 3.8 x 3.2	---	3745	29.64	72	5441	---	---
5	Rectangular, Red, 80mm	---	---	---	7.8 x 3.8 x 3.2	---	3675	29.64	79	5970	---	---
6	Rectangular, Red, 80mm	---	---	---	7.8 x 3.8 x 3.2	---	3655	29.64	72	5441	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
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14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

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