



**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.

4202  
 Dr. Usman Akmal

**To:** Engr. Shafiq Ahmad, Resident Engineer  
 New Vision Engineering Consultant, Lahore.

**Project:** Construction of ARC Furnace Foundation, Transformer Room, Control Panel Rooms and Cooling System in Steel Shops Mughalpur.

**Our Ref. No.** CL/CED/ 281

**Dated:** 08-11-22

**Test Specification**

**Your Ref. No.** NVEC/RE/R-way/22/57

**Dated:** 08-11-22

( ASTM C39 )

## COMPRESSION TEST REPORT



ONLINE REPORT

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

Specimens received on: **8/11/2022** Tested on: **08-11-22** 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	(1:1:2) 4000 Psi	31	10	2022	6Diax12	---	13.4	28.28	35	2772	---	Engraved
2	(1:1:2) 4000 Psi	31	10	2022	6Diax12	---	13.4	28.28	39	3089	---	Engraved
3	(1:1:2) 4000 Psi	31	10	2022	6Diax12	---	13.4	28.28	35	2772	---	Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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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
- \*\*\* 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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4189  
 Dr. Aqsa

**To:** Engr. Muhammad Awais Iqbal  
 Project Manager, Shell Filling Station Askari XI

**Project:** SHELL FILLING STATION ASKARI XI LAHORE

**Our Ref. No.** CL/CED/ 282

**Dated:** 08-11-22

**Test Specification**

**Your Ref. No.** Nil

**Dated:** 07-11-22

( ASTM C39 )

## COMPRESSION TEST REPORT



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

Specimens received on: **07-11-22** Tested on: **08-11-22** 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	Main Bldg in Situ Conc. (2000 Psi)	8	10	2022	6Diax12	---	13	28.28	45	3564	---	Non Engraved
2	Main Bldg in Situ Conc. (2000 Psi)	8	10	2022	6Diax12	---	13	28.28	43	3406	---	Non Engraved
3	Main Bldg in Situ Conc. (2000 Psi)	8	10	2022	6Diax12	---	12.4	28.28	49	3881	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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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)
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Director/Dy. Director Concrete Laboratory



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4183  
 Dr. Aqsa

To: Mr. Nabeel Abbas Habib, CEO  
 Habib Platinum Developers Pvt. Ltd.

Project: Construction of O.H.W.T. at Gulshan e Habib Housing Society

Our Ref. No. CL/CED/ 283

Dated: 08-11-22

Test Specification

Your Ref. No. GHHS/09-2022/0018

Dated: 28-09-22

( ASTM C39 )

## COMPRESSION TEST REPORT



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

Specimens received on: **04-11-22** Tested on: **08-11-22** 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	4000 Psi	18	8	2022	6Diax12	---	13	28.28	83	6574	---	Non Engraved
2	4000 Psi	18	8	2022	6Diax12	---	13	28.28	54	4277	---	Non Engraved
3	4000 Psi	18	8	2022	6Diax12	---	12.8	28.28	74	5861	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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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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Director/Dy. Director Concrete Laboratory



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**ORIGINAL**  
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4174  
 Dr. Umbreen

To: Mr. M. Adnan, PM  
 ICON Valley, Phase II, 16km Raiwind Road, Lahore, Pakistan

Project: Construction of ICON Commercial Building B, 5th Floor Slab

Our Ref. No. CL/CED/ 284

Dated: 08-11-22

Test Specification

Your Ref. No. IV-18

Dated: 24-10-22

( ASTM C39 )

## COMPRESSION TEST REPORT



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

Specimens received on: **02-11-22** Tested on: **07-11-22** 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	3000 Psi	26	9	2022	6Diax12	---	12.4	28.28	45	3564	---	Non Engraved
2	3000 Psi	26	9	2022	6Diax12	---	13	28.28	67	5307	---	Non Engraved
3	3000 Psi	26	9	2022	6Diax12	---	13	28.28	65	5149	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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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.

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Director/Dy. Director Concrete Laboratory



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**ORIGINAL**  
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4174  
 Dr. Umbreen

**To:** Mr. M. Adnan, PM  
 ICON Valley, Phase II, 16km Raiwind Road, Lahore, Pakistan

**Project:** Construction of ICON Signature 3rd Floor Left Wall and 4th Floor Columns

**Our Ref. No.** CL/CED/ 285

**Dated:** 08-11-22

**Test Specification**

**Your Ref. No.** IV-18

**Dated:** 24-10-22

( ASTM C39 )

## COMPRESSION TEST REPORT



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

**Specimens received on:** 02-11-22 **Tested on:** 07-11-22 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	4000 Psi	26	9	2022	6Diax12	---	13.2	28.28	57	4515	---	Non Engraved
2	4000 Psi	26	9	2022	6Diax12	---	13	28.28	51	4040	---	Non Engraved
3	4000 Psi	26	9	2022	6Diax12	---	13	28.28	49	3881	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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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
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**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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**ORIGINAL**  
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4185  
 Dr. Umbreen

**To: Senior Project Manager**  
 Shifa Development Services Pvt. Ltd.

**Project: Under Construction Site of Shifa National Hospital, Opposite Al-Qadar Garden, Lahore**  
 Sheikhpura Road, Faisalabad.

**Our Ref. No. CL/CED/ 286**

**Dated: 08-11-22**

**Test Specification**

**Your Ref. No. SNHF/SDS/CT/07**

**Dated: 03-11-22**

**( ASTM C39 )**

## COMPRESSION TEST REPORT



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

**Specimens received on: 04-11-22    Tested on: 07-11-22    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	2nd. F. Col. Block-A (4000 Psi)	5	10	2022	6Diax12	---	12.4	28.28	63	4990	---	Non Engraved
2	2nd. F. Col. Block-A (4000 Psi)	5	10	2022	6Diax12	---	13.4	28.28	61	4832	---	Non Engraved
3	2nd. F. Col. Block-A (4000 Psi)	5	10	2022	6Diax12	---	12.4	28.28	47	3723	---	Non Engraved
4	Facade Beam, Block-C (3000 Psi)	8	10	2022	6Diax12	---	12.4	28.28	49	3881	---	Non Engraved
5	Facade Beam, Block-C (3000 Psi)	8	10	2022	6Diax12	---	12.4	28.28	53	4198	---	Non Engraved
6	Facade Beam, Block-C (3000 Psi)	8	10	2022	6Diax12	---	13	28.28	49	3881	---	Non Engraved
7	---	---	---	---	---	---	---	---	---	---	---	---
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**Director/Dy. Director Concrete Laboratory**





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4186  
 Dr. Umbreen

To: Mr. M. Sohail Anjum, Project Manager  
 MS Tower, G4 Lahore

Project: Construction of MS Tower at Plot 450, 451 Johar Town, Lahore

Our Ref. No. CL/CED/ 287

Dated: 08-11-22

Test Specification

Your Ref. No. MST/UET/2022/C-067

Dated: 03-11-22

( ASTM C39 )

## COMPRESSION TEST REPORT



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

Specimens received on: **04-11-22** Tested on: **07-11-22** 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	136 (5000 Psi)	25	9	2022	6Diax12	---	13.8	28.28	47	3723	---	Non Engraved
2	137 (5000 Psi)	25	9	2022	6Diax12	---	13.4	28.28	45	3564	---	Non Engraved
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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- \*\* BS3921 requires average of ten clay brick samples for crushing strength and water absorption
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4187  
 Dr. Yousaf

**To:** Sub Engineer, PHATA Sub Region, Okara  
 Office of the Deputy Director, Punjab Housing and Town Planning Agency Sub-Region Okara  
 Project: Construction of Houses 3-Marla & 5-Marla in ADS-II Renala Khurd District Okara under Naya Pakistan Housing Program. (M/S Pak Shahid Developers & JV Recent Construction)  
 Our Ref. No. CL/CED/ 288      Dated: 08-11-22  
 Your Ref. No. 2070      Dated: 02-11-22

Test Specification  
 ( BS 1881-116 )

## COMPRESSION TEST REPORT



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

Specimens received on: **04-11-22** Tested on: **07-11-22** 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	House # 218	5	10	2022	6x6x6	---	8.6	36	63	3920	---	Engraved
2	House # 219	5	10	2022	6x6x6	---	8.8	36	62	3858	---	Engraved
3	House # 220	5	10	2022	6x6x6	---	8.4	36	64	3982	---	Engraved
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"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