



**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.

2323  
 Dr. M. Yousaf

**To:** Muhammad Awais Khan, FM (Works Div)  
 SUPARCO Office Works Division P.O Punjab University Samsani Road, Lahore.

**Project:** Construction of Staff Hostel at Kala Shah Kaku Lahore.

**Our Ref. No.** CL/CED/ 6640

**Dated:** 14-12-21

**Test Specification**

**Your Ref. No.** 63301(002) Works/Div/SRDC-L

**Dated:** 16-11-21

( --- )

## COMPRESSION TEST REPORT



ONLINE REPORT

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

**Specimens received on:** 24-11-21 **Tested on:** 10-12-21 **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	S	---	---	---	8.8 x 4.3 x 2.9	3595	3185	37.84	48	2841	12.87	---
2	S	---	---	---	8.8 x 4.2 x 3	3690	3380	36.96	58	3515	9.17	---
3	S	---	---	---	8.9 x 4.3 x 30	3785	3320	38.27	45	2634	14.01	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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**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.

2385  
Dr. Aqsa

To: Mr. Mehmood Iqbal Cheema, Resident Engineer  
Engineering Consultancy Services Punjab (Pvt) Limited.

Project: Infrastructure Development and Construction of Affordable Housing Unit at Chak 48 NB, Tehsil & District Sargodha. (Contract No. AHU/333/03).

Our Ref. No. CL/CED/ 6641-1 of 3

Dated: 14-12-21

Test Specification

Your Ref. No. ECSP/RE/SG/24

Dated: 15-11-21

( BS 3921\*\* )

## COMPRESSION TEST REPORT



ONLINE REPORT

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

Specimens received on: 06-12-21 Tested on: 14-12-21 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	F	---	---	---	8.8 x 4.3 x 2.8	3235	2915	37.84	34	2013	10.98	---
2	F	---	---	---	8.6 x 4.1 x 2.8	3295	2950	35.26	51	3240	11.69	---
3	F	---	---	---	8.7 x 4.2 x 2.9	3380	3070	36.54	53	3249	10.1	---
4	F	---	---	---	8.7 x 4.1 x 2.8	3190	2830	35.67	50	3140	12.72	---
5	F	---	---	---	8.7 x 4.2 x 2.8	3300	2960	36.54	51	3126	11.49	---
6	111	---	---	---	8.7 x 4.1 x 2.7	3160	2875	35.67	46	2889	9.91	---
7	111	---	---	---	8.6 x 4.2 x 2.8	3130	2840	36.12	32	1984	10.21	---
8	111	---	---	---	8.7 x 4.3 x 2.8	3210	2940	37.41	47	2814	9.18	---
9	111	---	---	---	8.6 x 4.1 x 2.9	3265	2970	35.26	51	3240	9.93	---
10	111	---	---	---	8.7 x 4.3 x 2.7	3180	2945	37.41	47	2814	7.98	---
11	N	---	---	---	8.6 x 4.1 x 2.9	3350	3040	35.26	59	3748	10.2	---
12	N	---	---	---	8.6 x 4.2 x 2.7	3250	2950	36.12	37	2295	10.17	---
13	N	---	---	---	8.7 x 4.2 x 2.9	3415	3120	36.54	49	3004	9.46	---
14	N	---	---	---	8.7 x 4.3 x 2.8	3295	2985	37.41	50	2994	10.39	---
15	N	---	---	---	8.7 x 4.2 x 2.8	3336	3040	36.54	45	2759	9.74	---
16	---	---	---	---	---	---	---	---	---	---	---	---

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- \*\* BS3921 requires average of ten clay brick samples for crushing strength and water absorption
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2385  
Dr. Aqsa

To: Mr. Mehmood Iqbal Cheema, Resident Engineer  
Engineering Consultancy Services Punjab (Pvt) Limited.

Project: Infrastructure Development and Construction of Affordable Housing Unit at Chak 48 NB, Tehsil & District Sargodha. (Contract No. AHU/333/03).

Our Ref. No. CL/CED/ 6641-2 of 3

Dated: 14-12-21

Test Specification

Your Ref. No. ECSP/RE/SG/24

Dated: 15-11-21

( BS 3921\*\* )

## COMPRESSION TEST REPORT



ONLINE REPORT

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

Specimens received on: 06-12-21 Tested on: 14-12-21 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	10	---	---	---	8.7 x 4.1 x 2.8	3345	2985	35.67	49	3077	12.06	---
2	10	---	---	---	8.6 x 4.2 x 2.7	3370	3005	36.12	50	3101	12.15	---
3	10	---	---	---	8.7 x 4.1 x 2.8	3440	3020	35.67	50	3140	13.91	---
4	10	---	---	---	8.7 x 4.2 x 2.7	3320	2945	36.54	50	3065	12.73	---
5	10	---	---	---	8.6 x 4.2 x 2.8	3450	3140	36.12	50	3101	9.87	---
6	CB	---	---	---	8.7 x 4.1 x 2.8	3230	2925	35.67	46	2889	10.43	---
7	CB	---	---	---	8.7 x 4.2 x 2.7	3155	2860	36.54	46	2820	10.31	---
8	CB	---	---	---	8.7 x 4.3 x 2.7	3280	3015	37.41	47	2814	8.79	---
9	CB	---	---	---	8.7 x 4.2 x 2.8	3430	3115	36.54	56	3433	10.11	---
10	CB	---	---	---	8.7 x 4.1 x 2.7	3225	2920	35.67	50	3140	10.45	---
11	W	---	---	---	8.7 x 4.2 x 2.9	3305	3000	36.54	50	3065	10.17	---
12	W	---	---	---	8.8 x 4.3 x 2.8	3375	3050	37.84	50	2960	10.66	---
13	W	---	---	---	8.7 x 4.3 x 2.8	3330	3010	37.41	53	3173	10.63	---
14	W	---	---	---	8.8 x 4.2 x 2.9	3195	2855	36.96	51	3091	11.91	---
15	W	---	---	---	8.7 x 4.3 x 2.8	3375	3060	37.41	49	2934	10.29	---
16	---	---	---	---	---	---	---	---	---	---	---	---

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**Our Ref. No.** CL/CED/ 6641-3 of 3

**Dated:** 14-12-21

**Test Specification**

**Your Ref. No.** ECSP/RE/SG/24

**Dated:** 15-11-21

( BS 3921\*\* )

## COMPRESSION TEST REPORT



ONLINE REPORT

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

**Specimens received on:** 06-12-21 **Tested on:** 14-12-21 **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	H	---	---	---	9 x 4.3 x 2.8	3420	3085	38.7	47	2720	10.86	---
2	H	---	---	---	8.8 x 4.3 x 2.7	3290	2955	37.84	48	2841	11.34	---
3	H	---	---	---	8.9 x 4.2 x 2.7	3280	2935	37.38	49	2936	11.75	---
4	H	---	---	---	8.9 x 4.2 x 2.9	3390	3065	37.38	45	2697	10.6	---
5	H	---	---	---	8.8 x 4.3 x 2.8	3335	3020	37.84	50	2960	10.43	---
6	---	---	---	---	---	---	---	---	---	---	---	---
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2404  
 Dr. Mazhar Saleem

**To:** Mr. Muhammad Asif (Lt. Col. Retd.), Site Administrator  
 Bismillah Housing Society Phase- II, Mustafa Abad (Laliani), Lahore

**Project:** Head Office Mezzanine Slab

**Our Ref. No. CL/CED/ 6642**

**Dated: 14-12-21**

**Test Specification**

**Your Ref. No. Nil**

**Dated: 07-12-21**

**(ASTM C39)**

**COMPRESSION TEST REPORT**



ONLINE REPORT

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

**Specimens received on:** 08-12-21 **Tested on:** 13-12-21 **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	2	11	2021	6Diax12	---	13.2	28.28	57	4515	---	Engraved
2	3000 Psi	2	11	2021	6Diax12	---	13.8	28.28	48	3802	---	Engraved
3	3000 Psi	2	11	2021	6Diax12	---	13.2	28.28	55	4356	---	Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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**Witnessed by:** Nil

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**Supervisor (Lab)**

**Director/Dy. Director Concrete Laboratory**



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2404  
 Dr. Mazhar Saleem

**To:** Mr. Muhammad Asif (Lt. Col. Retd.), Site Administrator  
 Bismillah Housing Society Phase- II, Mustafa Abad (Laliani), Lahore

**Project:** Head Office Column

**Our Ref. No. CL/CED/ 6643**

**Dated: 14-12-21**

**Test Specification**

**Your Ref. No. Nil**

**Dated: 07-12-21**

**(ASTM C39)**

**COMPRESSION TEST REPORT**



ONLINE REPORT

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

**Specimens received on:** 08-12-21 **Tested on:** 13-12-21 **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	23	11	2021	6Diax12	---	13.6	28.28	71	5624	---	Engraved
2	4000 Psi	23	11	2021	6Diax12	---	13.8	28.28	98	7762	---	Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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**Supervisor (Lab)**

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2404  
 Dr. Mazhar Saleem

**To:** Mr. Muhammad Asif (Lt. Col. Retd.), Site Administrator  
 Bismillah Housing Society Phase- II, Mustafa Abad (Laliani), Lahore

**Project:** Plaza 53 Column

**Our Ref. No. CL/CED/ 6644**

**Dated: 14-12-21**

**Test Specification**

**Your Ref. No. Nil**

**Dated: 07-12-21**

**(ASTM C39)**

**COMPRESSION TEST REPORT**



ONLINE REPORT

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

**Specimens received on:** 08-12-21 **Tested on:** 13-12-21 **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	30	10	2021	6Diax12	---	14	28.28	49	3881	---	Engraved
2	4000 Psi	30	10	2021	6Diax12	---	14	28.28	81	6416	---	Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
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**To:** Mr. Muhammad Asif (Lt. Col. Retd.), Site Administrator  
 Bismillah Housing Society Phase- II, Mustafa Abad (Laliani), Lahore

**Project:** Plaza 50 Basement Slab

**Our Ref. No. CL/CED/ 6645**

**Dated: 14-12-21**

**Test Specification**

**Your Ref. No. Nil**

**Dated: 07-12-21**

**(ASTM C39)**

**COMPRESSION TEST REPORT**



ONLINE REPORT

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

**Specimens received on:** 08-12-21 **Tested on:** 13-12-21 **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	29	11	2021	6Diax12	---	14	28.28	35	2772	---	Engraved
2	3000 Psi	29	11	2021	6Diax12	---	13.8	28.28	43	3406	---	Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

**Witnessed by: Nil**

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**