



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.

3966
 Dr. Yousaf

To: Sub Divisional Officer
 Public Health Engg: Sub Division Mianwali
 Project: Revamping / Comprehensive Sewerage & Drainage including Tuff Tiles and PCC Scheme for Mianwali City ADP No.1965 (Group No. 3)
 Our Ref. No. CL/CED/ 9988
 Your Ref. No. 504/II/MI

Dated: 05/10/2022 Test Specification
 Dated: 05/09/2022 (---)

COMPRESSION TEST REPORT



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

Specimens received on: **28/8/2022** Tested on: **04/10/2022** 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	Uni Block Grey- 80 mm	---	---	---	3.0 thick	---	4550	37.44	126	7538	---	---
2	Uni Block Grey- 80 mm	---	---	---	3.0 thick	---	4465	37.44	120	7179	---	---
3	Uni Block Grey- 80 mm	---	---	---	3.0 thick	---	4525	37.44	145	8675	---	---
4	Uni Block Grey- 80 mm	---	---	---	3.0 thick	---	4455	37.44	130	7778	---	---
5	Uni Block Grey- 80 mm	---	---	---	3.0 thick	---	4505	37.44	150	8974	---	---
6	Uni Block Grey- 80 mm	---	---	---	3.0 thick	---	4490	37.44	122	7299	---	---
7	Uni Block Grey- 80 mm	---	---	---	3.0 thick	---	4560	37.44	134	8017	---	---
8	Uni Block Grey- 80 mm	---	---	---	3.0 thick	---	4585	37.44	134	8017	---	---
9	Uni Block Grey- 80 mm	---	---	---	3.0 thick	---	4570	37.44	160	9573	---	---
10	Uni Block Grey- 80 mm	---	---	---	3.0 thick	---	4475	37.44	121	7239	---	---
11	Uni Block Grey- 80 mm	---	---	---	3.0 thick	---	4570	37.44	120	7179	---	---
12	Uni Block Grey- 80 mm	---	---	---	3.0 thick	---	4490	37.44	148	8855	---	---
13	Uni Block Grey- 80 mm	---	---	---	3.0 thick	---	4425	37.44	130	7778	---	---
14	Uni Block Grey- 80 mm	---	---	---	3.0 thick	---	4630	37.44	160	9573	---	---
15	Uni Block Grey- 80 mm	---	---	---	3.0 thick	---	4485	37.44	150	8974	---	---
16	Uni Block Grey- 80 mm	---	---	---	3.0 thick	---	4570	37.44	140	8376	---	---

Witnessed by: Mr. Amir 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
- *** 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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3966
 Dr. Yousaf

To: Sub Divisional Officer
 Public Health Engg: Sub Division Mianwali
 Project: Revamping / Comprehensive Sewerage & Drainage including Tuff Tiles and PCC Scheme for Mianwali City ADP No. 1695 (Group-4)
 Our Ref. No. CL/CED/ 9989
 Your Ref. No. 520/II/MI

Dated: 05/10/2022 Test Specification
 Dated: 05/09/2022 (---)

COMPRESSION TEST REPORT



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

Specimens received on: **28/8/2022** Tested on: **05/10/2022** 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	Uni Block Grey- 80 mm	---	---	---	3.0 thick	---	4485	37.44	142	8496	---	---
2	Uni Block Grey- 80 mm	---	---	---	3.0 thick	---	4585	37.44	150	8974	---	---
3	Uni Block Grey- 80 mm	---	---	---	3.0 thick	---	4535	37.44	104	6222	---	---
4	Uni Block Grey- 80 mm	---	---	---	3.0 thick	---	4500	37.44	150	8974	---	---
5	Uni Block Grey- 80 mm	---	---	---	3.0 thick	---	4575	37.44	148	8855	---	---
6	Uni Block Grey- 80 mm	---	---	---	3.0 thick	---	4500	37.44	128	7658	---	---
7	Uni Block Grey- 80 mm	---	---	---	3.0 thick	---	4455	37.44	160	9573	---	---
8	Uni Block Grey- 80 mm	---	---	---	3.0 thick	---	4505	37.44	102	6103	---	---
9	Uni Block Grey- 80 mm	---	---	---	3.0 thick	---	4370	37.44	138	8256	---	---
10	Uni Block Grey- 80 mm	---	---	---	3.0 thick	---	4530	37.44	134	8017	---	---
11	Uni Block Grey- 80 mm	---	---	---	3.0 thick	---	4485	37.44	117	7000	---	---
12	Uni Block Grey- 80 mm	---	---	---	3.0 thick	---	4600	37.44	106	6342	---	---
13	Uni Block Grey- 80 mm	---	---	---	3.0 thick	---	4540	37.44	140	8376	---	---
14	Uni Block Grey- 80 mm	---	---	---	3.0 thick	---	4550	37.44	137	8197	---	---
15	Uni Block Grey- 80 mm	---	---	---	3.0 thick	---	4495	37.44	148	8855	---	---
16	Uni Block Grey- 80 mm	---	---	---	3.0 thick	---	4525	37.44	148	8855	---	---

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3891
 Dr. Mazhar

To: Mr. Riaz Ahmed
 Riaz Construction Company

Project: TCF High School Noorpur Virkaan District Sheikhpura

Our Ref. No. CL/CED/ 9990

Dated: 10/05/2022

Test Specification

Your Ref. No. Nil

Dated: 16/9/2022

(BS 3921**)

COMPRESSION TEST REPORT



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

Specimens received on: 16/9/2022 **Tested on:** 05/10/2022 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 4.1 x 2.7	3035	2560	36.08	35	2173	18.55	---
2	S	---	---	---	8.7 x 4.2 x 2.8	2980	2540	36.54	33	2023	17.32	---
3	S	---	---	---	8.7 x 4.2 x 2.8	3065	2610	36.54	39	2391	17.43	---
4	S	---	---	---	8.6 x 4.2 x 2.7	3150	2725	36.12	21	1302	15.6	---
5	S	---	---	---	8.6 x 4.1 x 2.8	3035	2585	35.26	27	1715	17.41	---
6	S	---	---	---	8.6 x 4.2 x 2.7	3010	2545	36.12	33	2047	18.27	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

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Director/Dy. Director Concrete Laboratory



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3889
 Dr. Mazhar

To: Mr. M. Waqas Anwar
 Resident Engineer, H&T Engg. Division NESPAK (Pvt.) Ltd.

Project: Rehabilitation and Improvement of Saggian Road, Lahore. (Rehabilitation/ Renovation Works of Ravi Bridge Saggian Toll Plaza and Phool Mandi Round About, Lahore.)

Our Ref. No. CL/CED/ 9991

Dated: 10/05/2022

Test Specification

Your Ref. No. 3772/SRP-1RW/103/MWA/04/04

Dated: 01/09/2022

(BS 3921**)

COMPRESSION TEST REPORT



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

Specimens received on: **15/9/2022** Tested on: **05/10/2022** 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	FB	---	---	---	8.8 x 4.2 x 3	3620	3185	36.96	35	2121	13.66	---
2	FB	---	---	---	8.9 x 4.3 x 2.9	3665	3150	38.27	37	2166	16.35	---
3	FB	---	---	---	8.9 x 4.3 x 3	3715	3205	38.27	35	2049	15.91	---
4	FB	---	---	---	9 x 4.3 x 3.1	3925	3420	38.7	35	2026	14.77	---
5	FB	---	---	---	9 x 4.3 x 3.1	3695	3220	38.7	33	1910	14.75	---
6	FB	---	---	---	9 x 4.3 x 3.2	4010	3440	38.7	29	1679	16.57	---
7	FB	---	---	---	9 x 4.3 x 3	3785	3275	38.7	35	2026	15.57	---
8	FB	---	---	---	8.9 x 4.3 x 3	3680	3230	38.27	41	2400	13.93	---
9	FB	---	---	---	8.9 x 4.4 x 3	3670	3205	39.16	37	2116	14.51	---
10	FB	---	---	---	8.8 x 4.3 x 3	3675	3180	37.84	32	1894	15.57	---
11	FB	---	---	---	9 x 4.3 x 3	3800	3275	38.7	45	2605	16.03	---
12	FB	---	---	---	8.9 x 4.3 x 3	3650	3185	38.27	33	1932	14.6	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

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3953
 Dr. Mazhar

To: (Brig. Saeed Ahmed Malik) SI (M), (R)
 Resident Engineer, H&T Engg. Division, NESPAK (Pvt.) Pvt.

Project: Construction of Main Bazar and Link Street Medina Town Rehmat Pura PP-155 Wahga Zone
 (Metropolitan Corporation Lahore- MCL Projects)

Our Ref. No. CL/CED/ 9992

Dated: 05/10/2022

Test Specification

Your Ref. No. 4084/BSAM/104/01/778

Dated: 22/9/2022

(BS 3921**)

COMPRESSION TEST REPORT



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

Specimens received on: 27/09/2022 **Tested on:** 05/10/2022 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	K7	---	---	---	8.6 x 4.4 x 2.9	3495	3165	37.84	45	2664	10.43	---
2	K7	---	---	---	8.5 x 4.3 x 2.8	3295	2985	36.55	47	2880	10.39	---
3	K7	---	---	---	8.7 x 4.4 x 2.9	3340	2995	38.28	47	2750	11.52	---
4	K7	---	---	---	8.8 x 4.3 x 2.8	3430	3050	37.84	39	2309	12.46	---
5	K7	---	---	---	8.9 x 4.4 x 2.9	3435	3055	39.16	47	2688	12.44	---
6	K7	---	---	---	8.8 x 4.5 x 3	3520	3160	39.6	39	2206	11.39	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

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Director/Dy. Director Concrete Laboratory



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ORIGINAL
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3969
 Dr. Mazhar

To: Mr. Junaid Ali Khan
 Chief Executive, M/s Alive Civil Works Contractor 118-H Model Town Lahore

Project: 118 H Block Model Town Lahore

Our Ref. No. CL/CED/ 9993

Dated: 05/10/2022

Test Specification

Your Ref. No. 118-FFS/PSI-3K/UET/28D

Dated: 29/09/2022

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: **29/9/2022** Tested on: **05/10/2022** 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. Roof Slab (3000 Psi)	20	8	2022	6Diax12	---	14.4	28.28	21	1663	---	Engraved
2	F.F. Roof Slab (3000 Psi)	20	8	2022	6Diax12	---	14.2	28.28	21	1663	---	Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

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3950
 Dr. Mazhar

To: Mr. Muhammad Adnan
 Project Manager, ICON VALLEY Phase II

Project: ICON COMMERCIAL BUILDING B 4th Floor Slab

Our Ref. No. CL/CED/ 9994

Dated: 05/10/2022

Test Specification

Your Ref. No. IV-18

Dated: 26/9/2022

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 26/9/2022 **Tested on:** 05/10/2022 **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 (4th Floor Columns)	22	8	2022	6Diax12	---	13	28.28	37	2931	---	Engraved
2	3000 Psi (4th Floor Columns)	22	8	2022	6Diax12	---	13	28.28	37	2931	---	Engraved
3	3000 Psi (4th Floor Columns)	22	8	2022	6Diax12	---	13	28.28	39	3089	---	Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

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3991
 Dr. Umbreen

To: Mr. Muhammad Asif
 Project Manager, IMPERIUM DEVELOPERS

Project: Construction of Sixty6 at Gulberg-III Lahore

Our Ref. No. CL/CED/ 9995

Dated: 05/10/2022

Test Specification

Your Ref. No. IMP/PM/66/10/01/101

Dated: 03/10/2022

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 03/10/2022 Tested on: 05/10/2022 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	4500 Psi (Columns)	30	8	2022	6Diax12	---	14	28.28	79	6257	---	Non Engraved
2	4500 Psi (Columns)	30	8	2022	6Diax12	---	14.2	28.28	83	6574	---	Non Engraved
3	6000 Psi (Columns)	1	9	2022	6Diax12	---	14.4	28.28	98	7762	---	Non Engraved
4	6000 Psi (Columns)	1	9	2022	6Diax12	---	14.2	28.28	104	8238	---	Non Engraved
5	6000 Psi (Columns)	3	9	2022	6Diax12	---	14	28.28	100	7921	---	Non Engraved
6	6000 Psi (Columns)	3	9	2022	6Diax12	---	14.4	28.28	92	7287	---	Non Engraved
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Mr. Nazam Sohail, CNIC # 35101-3691718-9

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