



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.

4974
 Dr. M. Yousaf

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

Project: Construction of Boundary Wall at Changa Manga Irrigation Plantation

Our Ref. No. CL/CED/ 1497-2 of 2

Dated: 24/3/2023

Test Specification

Your Ref. No. 747/AC

Dated: 14/3/2023

(BS 3921**)

COMPRESSION TEST REPORT



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

Specimens received on: 17/3/2023 **Tested on:** 24/3/2023 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	M.A	---	---	---	9 x 4.4 x 3	---	3230	39.6	43	2432	---	---
2	M.A	---	---	---	8.9 x 4.3 x 3	---	3190	38.27	43	2517	---	---
3	M.A	---	---	---	9 x 4.3 x 3	---	3165	38.7	40	2315	---	---
4	M.A	---	---	---	8.8 x 4.3 x 3	---	3380	37.84	47	2782	---	---
5	ST	---	---	---	8.9 x 4.4 x 3	---	3265	39.16	47	2688	---	---
6	ST	---	---	---	9 x 4.4 x 3	---	3320	39.6	46	2602	---	---
7	ST	---	---	---	9 x 4.5 x 3	---	3285	40.5	33	1825	---	---
8	ST	---	---	---	9 x 4.4 x 3	---	3400	39.6	43	2432	---	---
9	ST	---	---	---	9 x 4.4 x 3	---	3375	39.6	43	2432	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
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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" 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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ORIGINAL
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4986
 Dr. M. Yousaf

To: Mr. Nadeem Akhtar
 CEO- N.A. ASSOCIATES
 Project: Construction of Dry Storage Building (Client: Master Paint Industries- Plot # 565/566 Sundar Industrial Estate Lahore)
 Our Ref. No. CL/CED/ 1540
 Your Ref. No. NA-275-conc-01-23

Dated: 24/3/2023 **Test Specification**
 Dated: 20/3/2023 (ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: **20/03/2023** Tested on: **24/3/2023** 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	(1:1.5:3)	11	3	2023	6Diax12	---	12.2	28.28	46	3644	---	Engraved
2	(1:1.5:3)	11	3	2023	6Diax12	---	12.4	28.28	48	3802	---	Engraved
3	(1:1.5:3)	11	3	2023	6Diax12	---	12.6	28.28	54	4277	---	Engraved
4	(1:1.5:3)	12	3	2023	6Diax12	---	12.8	28.28	37	2931	---	Engraved
5	(1:1.5:3)	12	3	2023	6Diax12	---	13	28.28	49	3881	---	Engraved
6	(1:1.5:3)	12	3	2023	6Diax12	---	12.4	28.28	38	3010	---	Engraved
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
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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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ORIGINAL
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4991
 Dr. M. Yousaf

To: Mr. Muhammad Asif
 Project Manager, Imperium Developer

Project: Construction of Sixty6 at Gulberg-III Lahore

Our Ref. No. CL/CED/ 1541

Dated: 24/3/2023

Test Specification

Your Ref. No. IMP/PM/66/09/143

Dated: 21/3/2023

(BS 3921**)

COMPRESSION TEST REPORT



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

Specimens received on: 21/3/2023 Tested on: 24/3/2023 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	A	---	---	---	8.7 x 4.2 x 3	---	3230	36.54	43	2636	---	---	
2	A	---	---	---	8.7 x 4.3 x 2.9	---	3130	37.41	58	3473	---	---	
3	A	---	---	---	8.8 x 4.3 x 2.9	---	3225	37.84	60	3552	---	---	
4	A	---	---	---	8.7 x 4.3 x 3	---	3230	37.41	50	2994	---	---	
5	A	---	---	---	8.7 x 4.3 x 3	---	3310	37.41	55	3293	---	---	
6	---	---	---	---	---	---	---	---	---	---	---	---	
7	---	---	---	---	---	---	---	---	---	---	---	---	
8	---	---	---	---	---	---	---	---	---	---	---	---	
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Witnessed by: M. Husnain Imran, CNIC 35202-6634387-3

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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Director/Dy. Director Concrete Laboratory



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ORIGINAL
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4950
 Dr. M. Yousaf

To: Mr. Muhammad Ahsan Ali
 Resident Engineer, Construction Management Division, NESPAK Pvt. Ltd.
 Project: UPGRADATION/REHABILITATION OF INFRASTRUCTURE IN INDUSTRIAL ZONE (PHASE-01, PART-A)
 Our Ref. No. CL/CED/ 1542 Dated: 24/3/2023 Test Specification
 Your Ref. No. SA468/13/MAA/09/14 Dated: 13/3/2023 (BS 3921**)

COMPRESSION TEST REPORT



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

Specimens received on: 14/3/2023 Tested on: 24/3/2023 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	21	---	---	---	8.7 x 4.2 x 2.9	3520	3065	36.54	30	1839	14.85	---	
2	21	---	---	---	8.7 x 4.2 x 3	3640	3240	36.54	43	2636	12.35	---	
3	21	---	---	---	8.7 x 4.1 x 2.9	3380	3005	35.67	38	2386	12.48	---	
4	21	---	---	---	8.9 x 4.3 x 3	3680	3165	38.27	30	1756	16.27	---	
5	21	---	---	---	8.6 x 4.2 x 3	3530	3120	36.12	37	2295	13.14	---	
6	21	---	---	---	8.8 x 4.3 x 2.8	3565	3100	37.84	37	2190	15	---	
7	21	---	---	---	8.5 x 4.1 x 2.9	3365	3050	34.85	45	2892	10.33	---	
8	21	---	---	---	8.6 x 4.2 x 2.9	3460	3065	36.12	40	2481	12.89	---	
9	---	---	---	---	---	---	---	---	---	---	---	---	
10	---	---	---	---	---	---	---	---	---	---	---	---	
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4946
 Dr. M. Yousaf

To: Mr. Aamir Bashir
 Project Manager, Velosi Integrity & Safety Pakistan (Pvt.) Ltd.
 Project: Detailed Design and Resident Supervision of Regional Campus for Allama Iqbal Open University
 Located at Sargodha. (Contractor: M/s Railcop)
 Our Ref. No. CL/CED/ 1543
 Your Ref. No. VISP-L-C23-044

Dated: 24/3/2023
 Dated: 13/3/2023
 Test Specification
 (----)

COMPRESSION TEST REPORT



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

Specimens received on: 14/3/2023 Tested on: 24/3/2023 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	W	---	---	---	8.8 x 4.3 x 3	3700	3275	37.84	40	2368	12.98	---	
2	W	---	---	---	8.9 x 4.3 x 2.9	3780	3255	38.27	33	1932	16.13	---	
3	W	---	---	---	8.7 x 4.3 x 2.8	3555	3055	37.41	38	2275	16.37	---	
4	---	---	---	---	---	---	---	---	---	---	---	---	
5	---	---	---	---	---	---	---	---	---	---	---	---	
6	---	---	---	---	---	---	---	---	---	---	---	---	
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Witnessed by:

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Director/Dy. Director Concrete Laboratory



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ORIGINAL
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4931
 Dr. M. Yousaf

To: Sub Divisional Officer
 Buildings Sub Division No. 22, Lahore

Project: Construction of Population Welfare House Punjab, at Lahore.

Our Ref. No. CL/CED/ 1544

Dated: 24/3/2023

Test Specification

Your Ref. No. 52/SDO-22

Dated: 09-03-23

(BS 3921**)

COMPRESSION TEST REPORT



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

Specimens received on: **10-03-23** Tested on: **24/3/2023** 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	MA	---	---	---	8.9 x 4.3 x 3	---	3360	38.27	35	2049	---	---
2	MA	---	---	---	8.9 x 4.4 x 3.1	---	3320	39.16	30	1716	---	---
3	MA	---	---	---	9 x 4.4 x 2.9	---	3185	39.6	28	1584	---	---
4	MA	---	---	---	9 x 4.4 x 3	---	3325	39.6	35	1980	---	---
5	MA	---	---	---	9.1 x 4.4 x 2.9	---	3235	40.04	34	1902	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

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Director/Dy. Director Concrete Laboratory



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ORIGINAL
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4951
 Dr. M. Yousaf

To: Sub Divisional Officer
 Public Health Engineering: Sub Division-I, Mianwali
 Project: Brick Samples for Provision of Sewerage Drainage Scheme for Lorry Adda Mianwali City (ADP No. 781)
 Our Ref. No. CL/CED/ 1545 Dated: 24/3/2023 Test Specification
 Your Ref. No. 197/MI-I Dated: 15/10/2022 (----)

COMPRESSION TEST REPORT



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

Specimens received on: 15/3/2023 Tested on: 24/3/2023 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	A1	---	---	---	8.7 x 4.3 x 2.8	---	2690	37.41	22	1317	---	---	
2	A1	---	---	---	8.7 x 4.3 x 2.8	---	2755	37.41	20	1198	---	---	
3	A1	---	---	---	8.7 x 4.3 x 2.7	---	2810	37.41	22	1317	---	---	
4	---	---	---	---	---	---	---	---	---	---	---	---	
5	---	---	---	---	---	---	---	---	---	---	---	---	
6	---	---	---	---	---	---	---	---	---	---	---	---	
7	---	---	---	---	---	---	---	---	---	---	---	---	
8	---	---	---	---	---	---	---	---	---	---	---	---	
9	---	---	---	---	---	---	---	---	---	---	---	---	
10	---	---	---	---	---	---	---	---	---	---	---	---	
11	---	---	---	---	---	---	---	---	---	---	---	---	
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16	---	---	---	---	---	---	---	---	---	---	---	---	

Witnessed by:

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- * 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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4951
 Dr. M. Yousaf

To: Sub Divisional Officer
 Public Health Engineering: Sub Division-I, Mianwali
 Project: Brick Samples for Construction of Sewerage Town Committee Musa Khel District Mianwali (ADP No. 808)
 Our Ref. No. CL/CED/ 1546 Dated: 24/3/2023
 Your Ref. No. 580/MI-I Dated: 22/11/2022

Test Specification
 (----)

COMPRESSION TEST REPORT



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

Specimens received on: **15/3/2023** Tested on: **24/3/2023** 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	A1	---	---	---	8.7 x 4.3 x 2.7	---	2560	37.41	23	1377	---	---	
2	A1	---	---	---	8.8 x 4.3 x 2.7	---	2675	37.84	28	1658	---	---	
3	A1	---	---	---	8.9 x 4.3 x 2.7	---	2660	38.27	23	1346	---	---	
4	---	---	---	---	---	---	---	---	---	---	---	---	
5	---	---	---	---	---	---	---	---	---	---	---	---	
6	---	---	---	---	---	---	---	---	---	---	---	---	
7	---	---	---	---	---	---	---	---	---	---	---	---	
8	---	---	---	---	---	---	---	---	---	---	---	---	
9	---	---	---	---	---	---	---	---	---	---	---	---	
10	---	---	---	---	---	---	---	---	---	---	---	---	
11	---	---	---	---	---	---	---	---	---	---	---	---	
12	---	---	---	---	---	---	---	---	---	---	---	---	
13	---	---	---	---	---	---	---	---	---	---	---	---	
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" 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.

4975
 Dr. M. Yousaf

To: Sub Divisional Officer
 Public Health Engineering: Sub Division-I, Mianwali

Project: Provision of Sewerage Drainage Scheme for Lorry Adda Mianwali (ADP No. 781)

Our Ref. No. CL/CED/ 1547

Dated: 24/3/2023

Test Specification

Your Ref. No. 581/MI-I

Dated: 22/11/2022

(----)

COMPRESSION TEST REPORT



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

Specimens received on: 20-03-23 **Tested on:** 24/3/2023 **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 3.9 x 3.1	---	3770	30.42	66	4860	---	---	
2	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.9 x 3.1	---	3675	30.42	55	4050	---	---	
3	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.9 x 3.1	---	3710	30.42	55	4050	---	---	
4	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.9 x 3.1	---	3790	30.42	63	4639	---	---	
5	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.9 x 3.1	---	3780	30.42	67	4934	---	---	
6	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.9 x 3.1	---	3765	30.42	60	4418	---	---	
7	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.9 x 3.1	---	3785	30.42	57	4197	---	---	
8	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.9 x 3.1	---	3705	30.42	56	4124	---	---	
9	---	---	---	---	---	---	---	---	---	---	---	---	
10	---	---	---	---	---	---	---	---	---	---	---	---	
11	---	---	---	---	---	---	---	---	---	---	---	---	
12	---	---	---	---	---	---	---	---	---	---	---	---	
13	---	---	---	---	---	---	---	---	---	---	---	---	
14	---	---	---	---	---	---	---	---	---	---	---	---	
15	---	---	---	---	---	---	---	---	---	---	---	---	
16	---	---	---	---	---	---	---	---	---	---	---	---	

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- ** 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