



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.

3844
 Engr. Ubaid

To: **Jabal Crete**
Raiwind, Lahore.

Project: Nil

Our Ref. No. CL/CED/ 9768

Dated: 23-09-22

Test Specification

Your Ref. No. Nil

Dated: 06-09-22

(ASTM C140/140M-15)

COMPRESSION TEST REPORT



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

Specimens received on: **07-09-22** Tested on: **08-09-22** in dry/wet condition

Sr. No.	Mark*	Casting Date*				Size (mm)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. mm)	A.R Factor (Fa)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
		DD	MM	YYYY										
1	Rectangular, Grey, 80mm	---	---	---	198.1 x 96.5 x 78.7	---	3550	19116.65	1.15	79	6882	---	---	
2	Rectangular, Grey, 80mm	---	---	---	198.1 x 96.5 x 78.7	---	3630	19116.65	1.15	83	7231	---	---	
3	Rectangular, Grey, 80mm	---	---	---	198.1 x 96.5 x 78.7	---	3550	19116.65	1.15	77	6708	---	---	
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

- 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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3844
 Engr. Ubaid

To: **Jabal Crete**
Raiwind, Lahore.

Project: Nil

Our Ref. No. CL/CED/ 9769

Dated: 23-09-22

Test Specification

Your Ref. No. Nil

Dated: 06-09-22

(ASTM C140/140M-15)

COMPRESSION TEST REPORT



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

Specimens received on: **07-09-22** Tested on: **08-09-22** in dry/wet condition

Sr. No.	Mark*	Casting Date*				Size (mm)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. mm)	A.R Factor (Fa)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
		DD	MM	YYYY										
1	Rectangular, Grey, 60mm	---	---	---	198.1 x 96.5 x 61	---	2765	19116.65	1.02	81	6242	---	---	
2	Rectangular, Grey, 60mm	---	---	---	198.1 x 96.5 x 61	---	2820	19116.65	1.02	87	6704	---	---	
3	Rectangular, Grey, 60mm	---	---	---	198.1 x 96.5 x 61	---	2780	19116.65	1.02	93	7167	---	---	
4	---	---	---	---	---	---	---	---	---	---	---	---	---	
5	---	---	---	---	---	---	---	---	---	---	---	---	---	
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16	---	---	---	---	---	---	---	---	---	---	---	---	---	

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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
- *** 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

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Director/Dy. Director Concrete Laboratory



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ORIGINAL
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3923
 Dr. Yousaf

To: Resident Engineer
 ESS-I-AAR Consultant

Project: Drainage, Sewerage, Soling/Resoling, Tuff Tiles Drains and Bridges in Tehsil Kamalia District T.T.
 Singh. (ADP 1956 of 2021-2022)
 Our Ref. No. CL/CED/ 9881

Dated: 23-09-22

Test Specification

Your Ref. No. 169/PHED

Dated: 20-07-22

(----)

COMPRESSION TEST REPORT



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

Specimens received on: 22-09-22 **Tested on:** 23-09-22 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	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.3	---	2740	29.64	110	8313	---	National Pavers	
2	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.3	---	2785	29.64	154	11638	---	National Pavers	
3	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.3	---	2620	29.64	124	9371	---	National Pavers	
4	Rectangular, Red, 60mm	---	---	---	7.8 x 3.8 x 2.3	---	2780	29.64	121	9144	---	National Pavers	
5	Rectangular, Red, 60mm	---	---	---	7.8 x 3.8 x 2.3	---	2725	29.64	114	8615	---	National Pavers	
6	Rectangular, Red, 60mm	---	---	---	7.8 x 3.8 x 2.3	---	2720	29.64	96	7255	---	National Pavers	
7	---	---	---	---	---	---	---	---	---	---	---	---	
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3921
 Dr. Yousaf

To: Mr. Muhammad Tufail
 Construction Team Leader Lahore Office. (ZOR Engineers (Pvt.) Limited)

Project: Christian Girls High School Martinpur (Admin Block & Science Lab).

Our Ref. No. CL/CED/ 9882

Dated: 23/9/2022

Test Specification

Your Ref. No. 202.40.1/MT/3

Dated: 21/9/2022

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: **22/9/2022** Tested on: **23/9/2022** 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	Cube (1:2:4)	9	9	2022	6x6x6	---	8	36	27	1680	---	Engraved
2	Cube (1:2:4)	9	9	2022	6x6x6	---	7.8	36	23	1431	---	Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
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

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Director/Dy. Director Concrete Laboratory



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3821
 Dr. Yousaf

To: Mr. Muhammad Hassan Khan
 Resident Engineer, Highways and Transportation Engineering Division, NESPAK (Pvt) Ltd.
Project: Establishment of Sports Complex in Singh Pura Lahore (LDP) NA-122. (Contractor: M/s SMA Engineering and Services (Pvt.) Ltd.)
Our Ref. No. CL/CED/ 9883 **Dated:** 23/9/2022
Your Ref. No. 3772/103/NA122/RE/05/02 **Dated:** 24/8/2022

Test Specification
 (BS 3921**)

COMPRESSION TEST REPORT



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

Specimens received on: **02-09-22** Tested on: **23/9/2022** 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	SB	---	---	---	8.7 x 4.2 x 3	3660	3255	36.54	23	1410	12.44	---
2	SB	---	---	---	8.8 x 4.4 x 3	3855	3320	38.72	36	2083	16.11	---
3	SB	---	---	---	8.8 x 4.3 x 3	3695	3355	37.84	37	2190	10.13	---
4	SB	---	---	---	8.9 x 4.4 x 3	3750	3335	39.16	41	2345	12.44	---
5	SB	---	---	---	8.9 x 4.3 x 3.1	3755	3375	38.27	36	2107	11.26	---
6	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by:

Results can also be seen on website <https://civil.uet.edu.pk/concrete-laboratory-reports1/>

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
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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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3883
 Dr. Yousaf

To: (Mr. Bilal Zafar Sheikh) PSP, Addl. Director Administration
 for Director/Deputy Inspector General of Police, Special Protection Unit (SPU) Punjab, Lahore.

Project: Construction of Specialized Protection Unit Headquarter at Ladhiekey Uchey Tehsil Raiwind
 District Lahore ADP-3901/2022-23. (Govt. Contractor: M/S Ch: Associates)

Our Ref. No. CL/CED/ 9884

Dated: 23/9/2022

Test Specification

Your Ref. No. 15124/BC/SPU

Dated: 16/8/2022

(BS 3921**)

COMPRESSION TEST REPORT



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

Specimens received on: **15/9/2022** Tested on: **23/9/2022** 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-7	---	---	---	8.9 x 4.3 x 3	3640	3225	38.27	50	2927	12.87	---
2	F-7	---	---	---	9 x 4.3 x 3	3710	3245	38.7	43	2489	14.33	---
3	F-7	---	---	---	8.9 x 4.2 x 3	3695	3445	37.38	43	2577	7.26	---
4	F-7	---	---	---	9 x 4.3 x 3	3760	3450	38.7	40	2315	8.99	---
5	F-7	---	---	---	8.8 x 4.3 x 3	3910	3470	37.84	48	2841	12.68	---
6	F-7	---	---	---	9 x 4.4 x 3	3970	3515	39.6	43	2432	12.94	---
7	---	---	---	---	---	---	---	---	---	---	---	---
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3843
 Dr. Yousaf

To: Mr. Khalid Bashir
 For Ittefaq Building Solutions Pvt. Ltd.

Project: New Apparel Facility, Ferozewattwan.

Our Ref. No. CL/CED/ 9885

Dated: 23/9/2022

Test Specification

Your Ref. No. IBS/SD/NB-01

Dated: 29/8/2022

(BS 3921**)

COMPRESSION TEST REPORT



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

Specimens received on: **06-09-22** Tested on: **23/9/2022** 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	NICE	---	---	---	8.8 x 4.3 x 2.9	3355	2940	37.84	23	1362	14.12	---	
2	NICE	---	---	---	8.8 x 4.2 x 2.8	3280	2950	36.96	45	2727	11.19	---	
3	NICE	---	---	---	8.7 x 4.2 x 2.8	3310	2940	36.54	27	1655	12.59	---	
4	NICE	---	---	---	8.8 x 4.2 x 2.9	3340	2980	36.96	24	1455	12.08	---	
5	NICE	---	---	---	8.8 x 4.2 x 3	3460	3040	36.96	30	1818	13.82	---	
6	---	---	---	---	---	---	---	---	---	---	---	---	
7	---	---	---	---	---	---	---	---	---	---	---	---	
8	---	---	---	---	---	---	---	---	---	---	---	---	
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3843
 Dr. Yousaf

To: Mr. Khalid Bashir
 For Ittefaq Building Solutions Pvt. Ltd.

Project: New Apparel Facility, Ferozewattwan.

Our Ref. No. CL/CED/ 9886

Dated: 23/9/2022

Test Specification

Your Ref. No. IBS/SD/NB-01

Dated: 29/8/2022

(BS 3921**)

COMPRESSION TEST REPORT



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

Specimens received on: **06-09-22** Tested on: **23/9/2022** 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	IBS	---	---	---	9 x 4.5 x 2.9	3885	3570	40.5	27	1493	8.82	Ash Brick
2	IBS	---	---	---	9 x 4.5 x 3	3955	3620	40.5	27	1493	9.25	Ash Brick
3	IBS	---	---	---	8.9 x 4.5 x 2.9	3865	3515	40.05	28	1566	9.96	Ash Brick
4	IBS	---	---	---	8.9 x 4.5 x 2.9	3905	3705	40.05	23	1286	5.4	Ash Brick
5	IBS	---	---	---	8.9 x 4.5 x 2.8	3625	3270	40.05	23	1286	10.86	Ash Brick
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"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