



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.

5636
 Dr. M.Yousaf

To: Mr. Faisal Hussain Awan
 Tetra Ready Mix A Concrete Solutions Company

Project: SQ-Mall Behria Orchard Raiwind Road, Lahore. (Client: Ali Saqlain Real State)

Our Ref. No. CL/CED/ 2484

Dated: 31-07-23

Test Specification

Your Ref. No. TRM/SQ-Mall/001

Dated: 21-07-23

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 31-07-23 **Tested on:** 31-07-23 **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	18	6	2023	6Diax12	---	14	28.28	87	6891	---	Non Engraved
2	4500 Psi	18	6	2023	6Diax12	---	14.6	28.28	92	7287	---	Non Engraved
3	4500 Psi	18	6	2023	6Diax12	---	14.4	28.28	88	6970	---	Non Engraved
4	4500 Psi	24	6	2023	6Diax12	---	14	28.28	90	7129	---	Non Engraved
5	4500 Psi	24	6	2023	6Diax12	---	14	28.28	92	7287	---	Non Engraved
6	4500 Psi	24	6	2023	6Diax12	---	14	28.28	82	6495	---	Non Engraved
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
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15	---	---	---	---	---	---	---	---	---	---	---	---
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
 A carbon copy for the report has been retained in the lab for record.

5587
 Dr. M.Yousaf

To: Mr. Nasir Mehmood
 Construction Manager, Elite Engineering Pvt. Ltd.

Project: WB-10-B NTDC New 220kv Grid Station, Kot Lakhpat, Lahore.

Our Ref. No. CL/CED/ 2485

Dated: 31-07-23

Test Specification

Your Ref. No. EEPL/07/EL-29

Dated: 24-07-23

(ASTM C39)

COMPRESSION TEST REPORT



ONLINE REPORT

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

Specimens received on: 24-07-23 Tested on: 31-07-23 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	Trial Mix	12	7	2023	6Diax12	---	14	28.28	48	3802	---	Non Engraved
2	Trial Mix	12	7	2023	6Diax12	---	13.6	28.28	56	4436	---	Non Engraved
3	Trial Mix	12	7	2023	6Diax12	---	13.6	28.28	40	3168	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
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13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: (Mr. Usman, NESPAK), (Mr. Shaheer Shahbaz), (Mr. Naveed Iqbal)

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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5635
 Dr. M.Yousaf

To: Mr. Nasir Mehmood
 Construction Manager, Elite Engineering Pvt. Ltd.

Project: WB-10-B NTDC New 220kv Grid Station, Kot Lakhpat, Lahore.

Our Ref. No. CL/CED/ 2486

Dated: 31-07-23

Test Specification

Your Ref. No. EEPL/07/EL-30

Dated: 27-07-23

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 27-07-23 Tested on: 31-07-23 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	ATR Foundation	20	7	2023	6Diax12	---	13.6	28.28	43	3406	---	Non Engraved
2	ATR Foundation	20	7	2023	6Diax12	---	14	28.28	34	2693	---	Non Engraved
3	ATR Foundation	20	7	2023	6Diax12	---	13.6	28.28	43	3406	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
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15	---	---	---	---	---	---	---	---	---	---	---	---
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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5632
 Dr. M.Yousaf

To: Mr. Muhammad Irfan, Material Engineer
 Banu Mukhtar Contracting (Pvt.) Ltd.

Project: Burj-1 by Ajwa Builders. (Main Building B/4 Zone # 02)

Our Ref. No. CL/CED/ 2487

Dated: 31-07-23

Test Specification

Your Ref. No. DOC-BMC/AJWA/091

Dated: 27-07-23

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 27-07-23 Tested on: 31-07-23 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	Columns # 01, Grids # H/7	25	6	2023	6Diax12	---	15	28.28	102	8079	---	Non Engraved
2	Columns # 01, Grids # H/7	25	6	2023	6Diax12	---	15	28.28	104	8238	---	Non Engraved
3	Columns # 01, Grids # H/7	25	6	2023	6Diax12	---	14.8	28.28	106	8396	---	Non 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

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Director/Dy. Director Concrete Laboratory



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ORIGINAL
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5621
 Dr. M.Yousaf

To: Mr. Muhammad Saleem, G.M
 Professional Construction Services (Pvt) Ltd

Project: Construction of Faculty Apartment-8 at LUMS Lahore.

Our Ref. No. CL/CED/ 2488

Dated: 31-07-23

Test Specification

Your Ref. No. PCS/23/Eng-89-A

Dated: 26-07-23

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: **26-07-23** Tested on: **31-07-23** 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	3rd Slab (P-1)	26	6	2023	6Diax12	---	13.2	28.28	69	5465	---	Non Engraved
2	3rd Slab (P-1)	26	6	2023	6Diax12	---	13.6	28.28	63	4990	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
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

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Director/Dy. Director Concrete Laboratory



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ORIGINAL
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5621
 Dr. M.Yousaf

To: Mr. Muhammad Saleem, G.M
 Professional Construction Services (Pvt) Ltd

Project: Construction of Faculty Apartment-8 at LUMS Lahore.

Our Ref. No. CL/CED/ 2489

Dated: 31-07-23

Test Specification

Your Ref. No. PCS/23/Eng-89-C

Dated: 26-07-23

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: **26-07-23** Tested on: **31-07-23** 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	3rd Slab (P-1)	26	6	2023	6Diax12	---	14	28.28	41	3248	---	Non Engraved
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
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
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- **** 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
 A carbon copy for the report has been retained in the lab for record.

5510
 Dr. M. Yousaf

To: Municipal Officer (I)
 Municipal Committee Gojra.

Project: Punjab Cities Program in MC Gojra "(P-3) and (P-4)" Gojra City.

Our Ref. No. CL/CED/ 2490

Dated: 31-07-23

Test Specification

Your Ref. No. 689

Dated: 07-07-23

(----)

COMPRESSION TEST REPORT



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

Specimens received on: 11-07-23 **Tested on:** 31-07-23 **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	---	3260	30.42	24	1767	---	---
2	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.9 x 3.1	---	3520	30.42	48	3535	---	---
3	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.9 x 3.1	---	3585	30.42	33	2430	---	---
4	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.9 x 3.1	---	3380	30.42	41	3019	---	---
5	Rectangular, Red, 80mm	---	---	---	7.8 x 3.8 x 3.1	---	3600	29.64	36	2721	---	---
6	Rectangular, Red, 80mm	---	---	---	7.8 x 3.8 x 3.1	---	3430	29.64	40	3023	---	---
7	Rectangular, Red, 80mm	---	---	---	7.8 x 3.8 x 3.1	---	3530	29.64	37	2796	---	---
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



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 A carbon copy for the report has been retained in the lab for record.

5627
 Dr. M. Yousaf

To: Mr. Sajjad Ali Memon
 Resident Engineer, Pillar & Sons

Project: Rumanza Golf & Country Club, DHA, Multan.

Our Ref. No. CL/CED/ 2491

Dated: 31-07-23

Test Specification

Your Ref. No. P&S/OTH/GI.N/00111

Dated: 21-07-23

(----)

COMPRESSION TEST REPORT



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

Specimens received on: 27-07-23 **Tested on:** 31-07-23 **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 3.8 x 3.1	---	3770	29.64	109	8238	---	---	
2	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.8 x 3.1	---	3780	29.64	119	8993	---	---	
3	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.8 x 3.1	---	3800	29.64	119	8993	---	---	
4	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.8 x 3	---	3790	29.64	118	8918	---	---	
5	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.8 x 3.1	---	3770	29.64	112	8464	---	---	
6	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.8 x 3.1	---	3765	29.64	118	8918	---	---	
7	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.8 x 3.1	---	3765	29.64	124	9371	---	---	
8	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.8 x 3.1	---	3840	29.64	116	8767	---	---	
9	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.8 x 3.1	---	3770	29.64	116	8767	---	---	
10	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.8 x 3.1	---	3650	29.64	79	5970	---	---	
11	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.8 x 3.1	---	3750	29.64	114	8615	---	---	
12	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.8 x 3.1	---	3690	29.64	98	7406	---	---	
13	Rectangular, Red, 80mm	---	---	---	7.8 x 3.8 x 3.1	---	3645	29.64	152	11487	---	---	
14	Rectangular, Red, 80mm	---	---	---	7.8 x 3.8 x 3.1	---	3700	29.64	105	7935	---	---	
15	Rectangular, Red, 80mm	---	---	---	7.8 x 3.8 x 3.1	---	3665	29.64	117	8842	---	---	
16	Rectangular, Red, 80mm	---	---	---	7.8 x 3.8 x 3.1	---	3650	29.64	87	6575	---	---	

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.

5416
 Dr. M. Yousaf

To: Assistant Engineer (Civil), Building and Works Department
 University of Engineering and Technology, Lahore.

Project: Construction of Upper Floor of Existing Building of " Building and Works Department", Main Campus, U.E.T, Lahore.

Our Ref. No. CL/CED/ 2492

Dated: 31-07-23

Test Specification

Your Ref. No. B&W/EBW/10

Dated: 31-05-23

(BS 3921**)

COMPRESSION TEST REPORT



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

Specimens received on: **16-06-23** Tested on: **31-07-23** 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	ABC	---	---	---	9 x 4.4 x 3	3915	3465	39.6	57	3224	12.99	---	
2	ABC	---	---	---	8.8 x 4.3 x 3.1	3800	3360	37.84	42	2486	13.1	---	
3	ABC	---	---	---	8.9 x 4.3 x 3	3700	3285	38.27	42	2458	12.63	---	
4	ABC	---	---	---	8.6 x 4.3 x 3.1	3785	3410	36.98	41	2484	11	---	
5	ABC	---	---	---	8.8 x 4.3 x 3.1	3815	3395	37.84	32	1894	12.37	---	
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



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.

5603
 Dr. M. Yousaf

To: Mr. Naeem Anjum
 General Manager, For T & T Brothers

Project: "APL Jumani Service Area M-4 Faisalabad Pindi Bhattian Motorway"

Our Ref. No. CL/CED/ 2493

Dated: 31-07-23

Test Specification

Your Ref. No. TTB/UET-20/S-160

Dated: 21-07-23

(----)

COMPRESSION TEST REPORT



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

Specimens received on: **25-07-23** Tested on: **31-07-23** 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 3.8 x 3.2	---	3725	29.64	103	7784	---	---	
2	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.8 x 3.1	---	3715	29.64	128	9673	---	---	
3	Rectangular, Grey, 80mm	---	---	---	7.8 x 3.8 x 3.2	---	3860	29.64	120	9069	---	---	
4	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.9 x 2.3	---	2860	30.42	127	9352	---	---	
5	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.9 x 2.3	---	2765	30.42	117	8615	---	---	
6	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.9 x 2.3	---	2785	30.42	123	9057	---	---	
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.

5566
 Dr. M. Yousaf

To: Sub Divisional Officer
 Buildings Sub Division No.15, Lahore.

Project: Construction for Forest Complex at Ravi Road, Lahore.

Our Ref. No. CL/CED/ 2494

Dated: 31-07-23

Test Specification

Your Ref. No. 3403

Dated: 13-07-23

(----)

COMPRESSION TEST REPORT



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

Specimens received on: 19-07-23 Tested on: 31-07-23 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	---	2780	29.64	75	5668	---	---	
2	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.3	---	2900	29.64	76	5744	---	---	
3	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.3	---	2830	29.64	75	5668	---	---	
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.

5617
 Dr. M. Yousaf

To: Mr. M. Shakeel
 Material Engineer, NESPAK Sahiwal. (EPCM Consultants)
 Project: (PICIIP) Consultancy Services for Engineering, Procurement & Construction Management Water Supply System, Filtration Plants, Tube Wells, OHRs, Scada and Allied Works (Lot-1).
 Our Ref. No. CL/CED/ 2495 Dated: 31-07-23
 Your Ref. No. 3976/11/MS/SWL/Lot-01/01/72 Dated: 25-07-23

Test Specification
 (----)

COMPRESSION TEST REPORT



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

Specimens received on: **26-07-23** Tested on: **31-07-23** 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	---	2710	29.64	95	7179	---	---	
2	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.4	---	2635	29.64	63	4761	---	---	
3	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.3	---	2715	29.64	129	9749	---	---	
4	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.2	---	2620	29.64	112	8464	---	---	
5	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.3	---	2705	29.64	102	7709	---	---	
6	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.4	---	2820	29.64	107	8086	---	---	
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.

5578
 Dr. M. Yousaf

To: Sub Divisional Officer
 Highway Mechanical Sub Division No.1, Lahore

Project: Renovation / Improvement of Road Carpeting from Main Gate to Girls Hostel (UHS Jinnah Campus KSK) in Tehsil Ferozwala, District Sheikhpura, (Emergency Work).

Our Ref. No. CL/CED/ 2496

Dated: 31-07-23

Test Specification

Your Ref. No. 2752/SI

Dated: 01-06-23

(----)

COMPRESSION TEST REPORT



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

Specimens received on: 21-07-23 **Tested on:** 31-07-23 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 2.4	---	2820	29.64	57	4308	---	Manufac. Sultan Concrete	
2	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.4	---	2830	29.64	55	4157	---	Manufac. Sultan Concrete	
3	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.4	---	2845	29.64	72	5441	---	Manufac. Sultan Concrete	
4	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.4	---	2615	29.64	87	6575	---	Manufac. Sultan Concrete	
5	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.4	---	2895	29.64	67	5063	---	Manufac. Sultan Concrete	
6	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.4	---	2890	29.64	69	5215	---	Manufac. Sultan Concrete	
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
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 Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL
 A carbon copy for the report has been retained in the lab for record.

5629
 Dr. M. Yousaf

To: Mr. Muhammad Haider
 Resident Engineer, VELOSI Integrity & Safety Pakistan Pvt. Ltd.
 Project: Detailed Design and Resident Supervision of Regional Campuses for Allama Iqbal Open University
 Located at Sargodha.
 Our Ref. No. CL/CED/ 2497 Dated: 31-07-23 Test Specification
 Your Ref. No. VISP/RC/SRG-11 Dated: 17-07-23 (BS 1881-116)

COMPRESSION TEST REPORT



ONLINE REPORT

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

Specimens received on: **27-07-23** Tested on: **31-07-23** 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	G.F Columns (5000 Psi)	20	6	2023	6x6x6	---	9	36	67	4169	---	Engraved
2	G.F Columns (5000 Psi)	20	6	2023	6x6x6	---	8.8	36	63	3920	---	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-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



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.

5628
 Dr. M. Yousaf

To: (Mr. Muhammad Sajid Jamal Khan)
 Principal, QUAID-E-AZAM Divisional Public School & College, Gujranwala.
Project: Construction of Reinforced Concrete Road adjacent to Oval Ground at Quaid-e-Azam Divisional Public School & College, G.T, Road, Gujranwala.
Our Ref. No. CL/CED/ 2498 **Dated:** 31-07-23
Your Ref. No. QPC/GRW/88/482 **Dated:** 20-07-23

Test Specification
 (BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: **27-07-23** Tested on: **31-07-23** 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)	12	6	2023	6x6x6	---	8.6	36	60	3733	---	Non Engraved
2	(1:1.5:3)	13	6	2023	6x6x6	---	8.8	36	63	3920	---	Non Engraved
3	(1:1.5:3)	14	6	2023	6x6x6	---	8.8	36	61	3796	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
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15	---	---	---	---	---	---	---	---	---	---	---	---
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