



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.

6609
 Dr. Umbreen

To: Mr. Ehtisham Yasin
 Assistant Resident Engineer, JERS Consultancy (Pvt) Ltd.

Project: Improvement and Construction of Roads and Chowks at Wazirabad City.

Our Ref. No. CL/CED/ 4088-2 of 2

Dated: 16-02-24

Test Specification

Your Ref. No. 488-J01-ARE-/wzd/27

Dated: 24-01-24

(----)

COMPRESSION TEST REPORT



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

Specimens received on: 26-01-24 **Tested on:** 16-02-24 **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	Machine Made Double Line	---	---	---	9x4.3x2.8	3410	2830	38.7	34	1968	20.49	---
2	Machine Made Double Line	---	---	---	8.8x4.2x2.8	3540	2930	36.96	26	1576	20.82	---
3	Machine Made Double Line	---	---	---	8.9x4.1x2.9	3445	2870	36.49	28	1719	20.03	---
4	Machine Made Double Line	---	---	---	8.7x4.2x2.9	3395	2815	36.54	30	1839	20.6	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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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" 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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Civil Engineering Department
 University of Engineering and Technology, Lahore, Pakistan
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ORIGINAL
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6719
 Dr. Umbreen

To: Mr. Arslan Mumtaz
 Project Director, Punjab Government Servants Housing Foundation Scheme, Sahiwal.
 Project: Construction of Jamia Masjid at Punjab Government Servants Housing Scheme, Sahiwal. (M/s Railway Construction, Pakistan Limited)
 Our Ref. No. CL/CED/ 4202 Dated: 16-02-24
 Your Ref. No. PGSHF/PD/SWL/7566 Dated: 15-02-24

Test Specification
 (ASTM C39)

COMPRESSION TEST REPORT



ONLINE REPORT

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

Specimens received on: **16-02-24** Tested on: **16-02-24** 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	Neck Columns	7	2	2024	6Diax12	---	13	28.28	66	5228	---	Non Engraved
2	Neck Columns	7	2	2024	6Diax12	---	13.6	28.28	73	5782	---	Non Engraved
3	Neck Columns	7	2	2024	6Diax12	---	13.4	28.28	59	4673	---	Non Engraved
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-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)
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Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



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Civil Engineering Department

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ORIGINAL
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6680
Dr. Umbreen

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

Project: Construction of New Courts Block at the Site of Old Administration Block at Lahore (ADP No. 3766 For the Year 2023-24)

Our Ref. No. CL/CED/ 4203

Dated: 16/2/2024

Test Specification

Your Ref. No. No. 154

Dated: 10-02-24

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 13/2/2024 Tested on: 16/2/2024 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	Upper Basement Slab (3000 Psi)	2	2	2024	6Diax12	---	13.4	28.28	66	5228	---	Non Engraved
2	Upper Basement Slab (3000 Psi)	2	2	2024	6Diax12	---	14	28.28	66	5228	---	Non Engraved
3	Upper Basement Slab (3000 Psi)	2	2	2024	6Diax12	---	14	28.28	64	5069	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
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13	---	---	---	---	---	---	---	---	---	---	---	---
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15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

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" 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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6680
Dr. Umbreen

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

Project: Construction of New Courts Block at the Site of Old Administration Block at Lahore (ADP No. 3766 For the Year 2023-24)

Our Ref. No. CL/CED/ 4204

Dated: 16/2/2024

Test Specification

Your Ref. No. No. 170

Dated: 12-02-24

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 13/2/2024 Tested on: 16/2/2024 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	Upper Basement Col. (4000 Psi)	6	2	2024	6Diax12	---	13.2	28.28	74	5861	---	Non Engraved
2	Upper Basement Col. (4000 Psi)	6	2	2024	6Diax12	---	14	28.28	90	7129	---	Non Engraved
3	Upper Basement Col. (4000 Psi)	6	2	2024	6Diax12	---	13.6	28.28	87	6891	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

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
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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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Civil Engineering Department

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ORIGINAL
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6677
Dr. Umbreen

To: Engr. Major Zia-ul-Islam (R)
Project Director, GCC Lahore- Overseas Construction Co. (Pvt) Ltd

Project: Construction of Gulberg City Centre- Level 26'-6" to 40'-6" Column Grid 1 Line A.0 Grid, 3 Line A.0, B-1 Grid 4 Line A.0, B.1, C.3, D.1, E.3, F.2, Grid 5)

Our Ref. No. CL/CED/ 4205

Dated: 16/2/2024

Test Specification

Your Ref. No. OCC/CPD/33/206

Dated: 13/2/2024

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 13/2/2024 Tested on: 16/2/2024 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	6000 Psi	6	2	2024	6Diax12	---	14.2	28.28	72	5703	---	Non Engraved
2	6000 Psi	6	2	2024	6Diax12	---	13.2	28.28	68	5386	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

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

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- ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
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Director/Dy. Director Concrete Laboratory



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6677
 Dr. Umbreen

To: Engr. Major Zia-ul-Islam (R)
 Project Director, GCC Lahore- Overseas Construction Co. (Pvt) Ltd
 Project: Construction of Gulberg City Centre- Slab & Beam Grid 1, Line B.1, C.3, D.1, F.3, F.2, Grid 2, Line B.1, C.3, D.1 Grid 3 Line E.3, F.2 Grid Line E.3, F.3
 Our Ref. No. CL/CED/ 4206 Dated: 16/2/2024 Test Specification
 Your Ref. No. OCC/CPD/32/205 Dated: 13-02-24 (ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 13/2/2024 Tested on: 16/2/2024 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	6000 Psi	31	1	2024	6Diax12	---	13	28.28	74	5861	---	Non Engraved
2	6000 Psi	31	1	2024	6Diax12	---	14	28.28	84	6653	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
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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)
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Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



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Civil Engineering Department

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6667
Dr. Umbreen

To: Resident Engineer
for ENVIRO CONSULT (SMC-PVT) LTD, Lahore

Project: Enhancement of Pumping Capacity and Improvement of Civil Structures of Different Disposal Stations of WASA, Faisalabad (Construction of Disposal Station Chokera-II) Sub Head #2

Our Ref. No. CL/CED/ 4207

Dated: 16/2/2024

Test Specification

Your Ref. No. 340-WASA-FDA/17

Dated: 31/1/2024

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 12/2/2024 Tested on: 16/2/2024 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	PCC Concrete Cylinders (1:1.5:3)	2	1	2024	6Diax12	---	14.4	28.28	74	5861	---	Non Engraved
2	PCC Concrete Cylinders (1:1.5:3)	2	1	2024	6Diax12	---	14	28.28	73	5782	---	Non Engraved
3	PCC Concrete Cylinders (1:1.5:3)	2	1	2024	6Diax12	---	14	28.28	86	6812	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

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" diax12" cylinder) strength at 28 days as compressive strength

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Director/Dy. Director Concrete Laboratory



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University of Engineering and Technology, Lahore, Pakistan
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 A carbon copy for the report has been retained in the lab for record.

6667
 Dr. Umbreen

To: Resident Engineer
 for ENVIRO CONSULT (SMC-PVT) LTD, Lahore

Project: Rehabilitation and Improvement of Drainage Channels of Faisalabad City.

Our Ref. No. CL/CED/ 4208

Dated: 16/2/2024

Test Specification

Your Ref. No. 342-WASA-FSD/2024/07

Dated: 29/1/2024

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 12/2/2024 Tested on: 16/2/2024 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	PCC Concrete Cylinders (1:2:4)	4	1	2024	6Diax12	---	13.6	28.28	72	5703	---	Non Engraved
2	PCC Concrete Cylinders (1:2:4)	4	1	2024	6Diax12	---	14	28.28	60	4752	---	Non Engraved
3	PCC Concrete Cylinders (1:2:4)	4	1	2024	6Diax12	---	14	28.28	78	6178	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
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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

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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.

6686
 Dr. Umbreen

To: Engr. M. Abrar Ahmad
 M.Sc. Structural Engineer, ABRAR AHMAD ASSOCIATES

Project: Construction of 49- Ghaznavi Comm. Bahria Town Lahore

Our Ref. No. CL/CED/ 4209

Dated: 16/2/2024

Test Specification

Your Ref. No. Nil

Dated: 13/2/2024

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: Tested on: 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	Ground Floor Slab	6	1	2024	6Diax12	---	13	28.28	24	1901	---	Non Engraved
2	Ground Floor Slab	6	1	2024	6Diax12	---	13	28.28	58	4594	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
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11	---	---	---	---	---	---	---	---	---	---	---	---
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13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

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" 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.

6686
 Dr. Umbreen

To: Engr. M. Abrar Ahmad
 M.Sc. Structural Engineer, ABRAR AHMAD ASSOCIATES

Project: Construction of 49- Ghaznavi Comm. Bahria Town Lahore

Our Ref. No. CL/CED/ 4210

Dated: 16/2/2024

Test Specification

Your Ref. No. Nil

Dated: 13/2/2024

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 13/2/2024 **Tested on:** 16/2/2024 **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	First Floor Slab	3	2	2024	6Diax12	---	13	28.28	18	1426	---	Engraved
2	First Floor Slab	3	2	2024	6Diax12	---	13	28.28	18	1426	---	Engraved
3	First Floor Slab	3	2	2024	6Diax12	---	13.6	28.28	20	1584	---	Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
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15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

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" 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.

6691
Dr. Umbreen

To: Engr. Mehar Ali Qurashi
Resident Engineer, Al-Hamra Town

Project: Construction of 100,000 Gallons of Over Head Water Tank at AL HAMRA Town Lahore. (Over Head Water Tank Raft)

Our Ref. No. CL/CED/ 4211

Dated: 16/2/2024

Test Specification

Your Ref. No. ALHM/OHW/1224

Dated: 12-02-24

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 13/2/2024 Tested on: 16/2/2024 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	1:2:4 (3000 Psi)	2	2	2024	6Diax12	---	13.2	28.28	68	5386	---	Non Engraved
2	1:2:4 (3000 Psi)	2	2	2024	6Diax12	---	13.4	28.28	76	6020	---	Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
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13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

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" 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.

6688
 Dr. Umbreen

To: Mr. Muhammad Shafeeq
 Manager Operations, INDIGO Signature Apartments

Project: Construction of Indigo Signature Apartments ISC Shear Slab Block

Our Ref. No. CL/CED/ 4212

Dated: 16/2/2024

Test Specification

Your Ref. No. Nil

Dated: 13/2/2024

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 13/2/2024 **Tested on:** 16/2/2024 **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	27	1	2024	6Diax12	---	13.2	28.28	24	1901	---	Non Engraved
2	4000 Psi	27	1	2024	6Diax12	---	13.6	28.28	30	2376	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
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13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

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

6689
Dr. Umbreen

To: Engr. Atif Bashir Ahmed
Manager Construction Quality, EastGate Industries (Pvt) Limited

Project: Expansion Works (Construction of New Office Building at EGA-2, Gajumatta, Rohi Nala, Lahore.)

Our Ref. No. CL/CED/ 4213

Dated: 16/2/2024

Test Specification

Your Ref. No. Nil

Dated: 13/2/2024

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 13/2/2024 Tested on: 16/2/2024 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 (3750 Psi)	7	1	2024	6Diax12	---	14.6	28.28	36	2851	---	Non Engraved
2	Columns (3750 Psi)	7	1	2024	6Diax12	---	13.2	28.28	48	3802	---	Engraved
3	Columns (3750 Psi)	7	1	2024	6Diax12	---	15	28.28	64	5069	---	Engraved
4	Footings (3000 Psi)	10	1	2024	6Diax12	---	15	28.28	38	3010	---	Engraved
5	Footings (3000 Psi)	10	1	2024	6Diax12	---	14.6	28.28	40	3168	---	Engraved
6	Footings (3000 Psi)	10	1	2024	6Diax12	---	13	28.28	38	3010	---	Engraved
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-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

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- 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.

6679
Dr. Umbreen

To: Mr. M. Armughan Khan
Deputy Director (QCD), WASA, LDA, Lahore.

Project: Testing of Concrete Cylinders against Tender No. XEN (O&M-I)/N.T/2023-2024/01/ (M/S. Babar Zaheer & Co) For RCC Pipes (M/S. Future Pipe Industry Gujranwala)

Our Ref. No. CL/CED/ 4214

Dated: 16/2/2024

Test Specification

Your Ref. No. 2035-36

Dated: 28/12/2023

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 13/2/2024 Tested on: 16/2/2024 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	---	8	11	2023	6Diax12	---	12.6	28.28	56	4436	---	Engraved
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
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13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

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"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
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6679
Dr. Umbreen

To: Mr. M. Armughan Khan
Deputy Director (QCD), WASA, LDA, Lahore

Project: Testing of Concrete Cylinders against Tender No. XEN (O&M-I)/N.T/2023-2024/01/ (M/S. Babar Zaheer & Co) For RCC Pipes (M/S. Future Pipe Industry Gujranwala)

Our Ref. No. CL/CED/ 4215

Dated: 16/2/2024

Test Specification

Your Ref. No. 2037-38

Dated: 28/12/2023

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 13/2/2024 Tested on: 16/2/2024 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	---	20	11	2023	6Diax12	---	14	28.28	60	4752	---	Engraved
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

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"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
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6679
Dr. Umbreen

To: Mr. M. Armughan Khan
Deputy Director (QCD), WASA, LDA, Lahore

Project: Testing of Concrete Cylinders against Tender No. XEN (O&M-I)/N.T/2023-2024/01/ (M/S. Babar Zaheer & Co) For RCC Pipes (M/S. Future Pipe Industry Gujranwala)

Our Ref. No. CL/CED/ 4216

Dated: 16/2/2024

Test Specification

Your Ref. No. 2033-34

Dated: 28/12/2023

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 13/2/2024 Tested on: 16/2/2024 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	---	7	11	2023	6Diax12	---	13	28.28	56	4436	---	Engraved
2	---	7	11	2023	6Diax12	---	12.2	28.28	74	5861	---	Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
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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" 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.

6679
Dr. Umbreen

To: Mr. M. Armughan Khan
Deputy Director (QCD), WASA, LDA, Lahore

Project: Testing of Concrete Cylinders against Tender No. XEN (O&M-I)/N.T/2023-2024/01/ (M/S. Babar Zaheer & Co) For RCC Pipes (M/S. Future Pipe Industry Gujranwala)

Our Ref. No. CL/CED/ 4217

Dated: 16/2/2024

Test Specification

Your Ref. No. 2031-32

Dated: 28/12/2023

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 13/2/2024 Tested on: 16/2/2024 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	---	22	11	2023	6Diax12	---	13	28.28	72	5703	---	Engraved
2	---	22	11	2023	6Diax12	---	13.6	28.28	80	6337	---	Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
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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"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.

6699
Dr. Umbreen

To: Mr. Muhammad Zubair Ahmed
A/XEN (B&R) for Garrison Engineer (NAVY), Naval Complex Walton Gulnarg-III Lahore

Project: CA NO. ENC-N-73/2022- CONST OF SPORTS COMPLEX AT PNWC WALTON Lahore.

Our Ref. No. CL/CED/ 4218

Dated: 16/2/2024

Test Specification

Your Ref. No. 6024/24/XY/E-6

Dated: 01-04-23

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 14/2/2024 Tested on: 16/2/2024 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	Mezzanine Slab	30	3	2023	6Diax12	---	13.2	28.28	64	5069	---	Non Engraved
2	Mezzanine Slab	30	3	2023	6Diax12	---	13	28.28	70	5545	---	Non Engraved
3	Mezzanine Slab	30	3	2023	6Diax12	---	13.6	28.28	72	5703	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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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"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.

6699
 Dr. Umbreen

To: Mr. Muhammad Zubair Ahmed
 A/XEN (B&R) for Garrison Engineer (NAVY), Naval Complex Walton Gulnarg-III Lahore

Project: CA NO. ENC-N-73/2022- CONST OF SPORTS COMPLEX AT PNWC WALTON Lahore.

Our Ref. No. CL/CED/ 4219

Dated: 16/2/2024

Test Specification

Your Ref. No. 6024/24/XY/E-6

Dated: 16/2/2023

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 14/2/2024 Tested on: 16/2/2024 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	1st Floor Column	15	2	2023	6Diax12	---	13.4	28.28	74	5861	---	Non Engraved
2	1st Floor Column	15	2	2023	6Diax12	---	13.6	28.28	78	6178	---	Non Engraved
3	1st Floor Column	15	2	2023	6Diax12	---	13	28.28	78	6178	---	Non Engraved
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" 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.

6703
 Dr. Umbreen

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

Project: Construction of RCC Slab for the Entrance in H-Type Quarter UET Lahore

Our Ref. No. CL/CED/ 4220

Dated: 16/2/2024

Test Specification

Your Ref. No. B&W/AEN/3428

Dated: 13-02-24

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 14/2/2024 Tested on: 16/2/2024 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 Concrete Ratio (1:2:4)	5	1	2024	6x6x6	---	9	36	122	7591	---	Engraved
2	Cube Concrete Ratio (1:2:4)	5	1	2024	6x6x6	---	8.2	36	95	5911	---	Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
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.

6637
 Dr. Umbreen

To: Mr. Muhammad Farman
 Resident Engineer, Jinnah Hospital Lahore, Engineering Consultancy Services Punjab (Pvt) Ltd.

Project: Resident Construction Supervision for "Revamping of Jinnah Hospital, Lahore"

Our Ref. No. CL/CED/ 4221 Dated: 16/2/2024 **Test Specification**
 Your Ref. No. ECSP/RE/387/05 Dated: 21/1/2024 (BS 3921**)

COMPRESSION TEST REPORT



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

Specimens received on: 30/1/2024 Tested on: 16/2/2024 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	---	---	---	8.6 x 4.3 x 2.8	3350	3020	36.98	40	2423	10.93	---
2	S	---	---	---	8.6 x 4.2 x 2.6	3390	3040	36.12	44	2729	11.51	---
3	S	---	---	---	8.6 x 4.3 x 3	3525	3185	36.98	39	2362	10.68	---
4	S	---	---	---	8.8 x 4.3 x 2.9	3595	3185	37.84	43	2545	12.87	---
5	S	---	---	---	8.8 x 4 x 2.8	3310	2985	35.2	44	2800	10.89	---
6	S	---	---	---	8.5 x 4.2 x 2.8	3295	3020	35.7	42	2635	9.11	---
7	---	---	---	---	---	---	---	---	---	---	---	---
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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.

6639
 Dr. Umbreen

To: Mr. Khalid Yousaf
 Assistant Resident Engineer, 16 City of Project, Package #011 (Jhelum)

Project: Rehabilitation / Construction of Altaf Park Jhelum City, Package#01, Under PCP.

Our Ref. No. CL/CED/ 4222

Dated: 16/2/2024

Test Specification

Your Ref. No. ARE/JHE/AP/MC-07

Dated: 29/1/2024

(BS 3921)**

COMPRESSION TEST REPORT



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

Specimens received on: 30/1/2024 Tested on: 16/2/2024 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	PRI	---	---	---	9 x 4.2 x 2.9	3315	2730	37.8	32	1896	21.43	---
2	PRI	---	---	---	8.7 x 4.3 x 3	3385	2795	37.41	35	2096	21.11	---
3	PRI	---	---	---	8.7 x 4.2 x 3	3350	2790	36.54	40	2452	20.07	---
4	PRI	---	---	---	8.7 x 4.2 x 2.8	3230	2715	36.54	42	2575	18.97	---
5	PRI	---	---	---	8.8 x 4.3 x 2.8	3270	2720	37.84	24	1421	20.22	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
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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



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Civil Engineering Department
 University of Engineering and Technology, Lahore, Pakistan
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ORIGINAL
 A carbon copy for the report has been retained in the lab for record.

6626
 Dr. Umbreen

To: Mr. Muhammad Abubakar Ahmad
 ZAUQ e TAMEER, Architectural & Construction Services, Gujranwala.

Project: Nil

Our Ref. No. CL/CED/ 4223

Dated: 16/2/2024

Test Specification

Your Ref. No. Nil

Dated: Nil

(----)

COMPRESSION TEST REPORT



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

Specimens received on: 29/1/2024 Tested on: 16/2/2024 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	R	---	---	---	8.9 x 4.4 x 3.2	4100	3740	39.16	42	2402	9.63	---
2	R	---	---	---	9 x 4.4 x 3.2	3955	3630	39.6	26	1471	8.95	---
3	R	---	---	---	8.9 x 4.4 x 3.2	4000	3665	39.16	34	1945	9.14	---
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