



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.

7694
 Dr. M. Mazhar

To: Project Manager
 Tawasul Developers (Pvt) Ltd.

Project: Construction of Creek Tower 6-D Upper Mall Lahore. (Contractor: Ravi Construction Company)

Our Ref. No. CL/CED/ 5721

Dated: 28-08-24

Test Specification

Your Ref. No. Nil

Dated: 28-08-24

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 28-08-24 Tested on: 28-08-24 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	(3000 Psi)	30	7	2024	6Diax12	---	13.4	28.28	32	2535	---	Non Engraved
2	(3000 Psi)	30	7	2024	6Diax12	---	13.2	28.28	30	2376	---	Non Engraved
3	(5000 Psi)	30	7	2024	6Diax12	---	13.2	28.28	54	4277	---	Non Engraved
4	(5000 Psi)	30	7	2024	6Diax12	---	13.2	28.28	44	3485	---	Non Engraved
5	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Mr. Muhammad Junaid Aslam, CNIC # 35202-6038398-7

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
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7596
Dr. M. Mazhar

To: Mr. Muzaffer Ahmed
Resident Engineer, G3 Engineering Consultants (Pvt) Ltd
Project: Strengthening & Expansion of University of Gujrat & Allied Campuses (Narowal Component). (G-20, G-18-19, Family Flats, Male & Female Faculty Hostel, Guest House & Masjid)
Our Ref. No. CL/CED/ 5722 Dated: 28-08-24
Your Ref. No. G3/UON-RE/551 Dated: 12-08-24

Test Specification
(BS 3921**)

COMPRESSION TEST REPORT



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

Specimens received on: 12-08-24 Tested on: 28-08-24 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	ABC	---	---	---	8.8 x 4.2 x 2.8	---	3040	36.96	52	3152	---	---
2	ABC	---	---	---	8.9 x 4.3 x 2.9	---	3000	38.27	54	3161	---	---
3	ABC	---	---	---	9 x 4.3 x 3	---	3300	38.7	50	2894	---	---
4	ABC	---	---	---	8.9 x 4.3 x 2.9	---	3150	38.27	36	2107	---	---
5	ABC	---	---	---	9 x 4.3 x 3	---	3045	38.7	44	2547	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
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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)
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Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



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ORIGINAL
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7652
Dr. M. Mazhar

To: Mr. Muhammad Saddique
Head QA/QC, AL-A'ZAMIYYA PHASE I, Township Lahore.

Project: Nil

Our Ref. No. CL/CED/ 5723

Dated: 28/8/2024

Test Specification

Your Ref. No. Alz./CT/UET/013

Dated: 21/8/2024

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 21/8/2024 Tested on: 28/8/2024 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	3000 Psi	11	8	2024	6Diax12	---	13.6	28.28	56	4436	---	Non Engraved
2	3000 Psi	11	8	2024	6Diax12	---	14.2	28.28	66	5228	---	Non Engraved
3	3000 Psi	11	8	2024	6Diax12	---	13.2	28.28	46	3644	---	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

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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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7615
Dr. M. Mazhar

To: Mr. Adnan Yasir
Assistant Resident Engineer, Package-III (PCP) Gojra
Project: Upgradation of Sewerage System and Construction of Waste Water Treatment Plant (WWTP) Gojra
City. PACKAGE 01- SEWERAGE SYSTEM
Our Ref. No. CL/CED/ 5724
Your Ref. No. MMP/1095/Gojra/SEW/64/2024

Dated: 28-08-24
Dated: 28-07-24
Test Specification (ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 15/8/2024 Tested on: 28/8/2024 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	(1:1.5:3)	30	6	2024	6Diax12	---	15	28.28	77	6099	---	Engraved
2	(1:1.5:3)	30	6	2024	6Diax12	---	14.4	28.28	64	5069	---	Engraved
3	(1:1.5:3)	30	6	2024	6Diax12	---	15	28.28	66	5228	---	Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by:

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

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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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7678
 Dr. M. Mazhar

To: Resident Engineer
 Engineering Consultancy Services Punjab (Pvt) Limited

Project: Resident Supervision for Revamping of Lahore Zoo. (RCC Steps of Amphitheater)

Our Ref. No. CL/CED/ 5725

Dated: 28/8/2024

Test Specification

Your Ref. No. ECSP/RE/ZOO/25

Dated: 07-01-24

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 23/8/2024 Tested on: 28/8/2024 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)	10	12	2023	6x6x6	---	8.6	36	72	4480	---	Non Engraved
2	(1:2:4)	10	12	2023	6x6x6	---	9	36	70	4356	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by:

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- * as engraved on the specimens (if any)
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Director/Dy. Director Concrete Laboratory



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ORIGINAL
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7678
Dr. M. Mazhar

To: Resident Engineer
Engineering Consultancy Services Punjab (Pvt) Limited

Project: Resident Supervision for Revamping of Lahore Zoo (LION HOUSE)

Our Ref. No. CL/CED/ 5726

Dated: 28/8/2024

Test Specification

Your Ref. No. ECSP/RE/ZOO/26

Dated: 22-01-24

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 23/8/2024 Tested on: 28/8/2024 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	RCC Footing of Columns (1:2:4)	25	12	2023	6x6x6	---	9	36	68	4231	---	Non Engraved
2	RCC Footing of Columns (1:2:4)	25	12	2023	6x6x6	---	9	36	54	3360	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
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Director/Dy. Director Concrete Laboratory



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ORIGINAL
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7678
Dr. M. Mazhar

To: Resident Engineer
Engineering Consultancy Services Punjab (Pvt) Limited

Project: Resident Supervision for Revamping of Lahore Zoo (TICKET BOOTH)

Our Ref. No. CL/CED/ 5727

Dated: 28/8/2024

Test Specification

Your Ref. No. ECSP/RE/ZOO/37

Dated: 10-02-24

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 23/8/2024 Tested on: 28/8/2024 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	RCC Slab of Ticket Booth	13	1	2024	6x6x6	---	9	36	62	3858	---	Non Engraved
2	RCC Slab of Ticket Booth	13	1	2024	6x6x6	---	8.6	36	46	2862	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

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Director/Dy. Director Concrete Laboratory



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7678
Dr. M. Mazhar

To: Resident Engineer
Engineering Consultancy Services Punjab (Pvt) Limited

Project: Resident Supervision for Revamping of Lahore Zoo (PARKING AREA)

Our Ref. No. CL/CED/ 5728

Dated: 28/8/2024

Test Specification

Your Ref. No. ECSP/RE/ZOO/38

Dated: 11-02-24

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 23/8/2024 Tested on: 28/8/2024 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 of Parking Area (1:2:4)	14	1	2024	6x6x6	---	8.2	36	52	3236	---	Non Engraved
2	PCC of Parking Area (1:2:4)	14	1	2024	6x6x6	---	8.6	36	42	2613	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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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" dia x 12" 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.

7678
 Dr. M. Mazhar

To: Resident Engineer
Engineering Consultancy Services Punjab (Pvt) Limited

Project: Resident Supervision for Revamping of Lahore Zoo (Plinth Beam of Bear House)

Our Ref. No. CL/CED/ 5729

Dated: 28/8/2024

Test Specification

Your Ref. No. ECSP/RE/ZOO/39

Dated: 11-02-24

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 23/8/2024 Tested on: 28/8/2024 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)	14	1	2024	6x6x6	---	8.2	36	60	3733	---	Non Engraved
2	(1:2:4)	14	1	2024	6x6x6	---	9	36	64	3982	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
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14	---	---	---	---	---	---	---	---	---	---	---	---
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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" 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.

7678
Dr. M. Mazhar

To: Resident Engineer
Engineering Consultancy Services Punjab (Pvt) Limited

Project: Resident Supervision for Revamping of Lahore Zoo (REPTILE HOUSE)

Our Ref. No. CL/CED/ 5730

Dated: 28/8/2024

Test Specification

Your Ref. No. ECSP/RE/ZOO/41

Dated: 12-02-24

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 23/8/2024 Tested on: 28/8/2024 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	Slab of Reptile House (1:2:4)	15	1	2024	6x6x6	---	8	36	62	3858	---	Non Engraved
2	Slab of Reptile House (1:2:4)	15	1	2024	6x6x6	---	9	36	62	3858	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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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)
- ** 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.

7678
 Dr. M. Mazhar

To: Resident Engineer
 Engineering Consultancy Services Punjab (Pvt) Limited

Project: Resident Supervision for Revamping of Lahore Zoo (LION HOUSE)

Our Ref. No. CL/CED/ 5731

Dated: 28/8/2024

Test Specification

Your Ref. No. ECSP/RE/ZOO/43

Dated: 19-02-24

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 23/8/2024 Tested on: 28/8/2024 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	Slab of Lion House (1:2:4)	22	1	2024	6x6x6	---	8.6	36	50	3111	---	Non Engraved
2	Slab of Lion House (1:2:4)	22	1	2024	6x6x6	---	9	36	66	4107	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

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

- * as engraved on the specimens (if any)
- ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
- *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
- **** ACI318-08 requires mean of two sample (6" dia x 12" cylinder) strength at 28 days as compressive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory

- The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
- The test results are recommended to be interpreted in the light of above factors by the engineer.

Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



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.

7678
 Dr. M. Mazhar

To: Resident Engineer
 Engineering Consultancy Services Punjab (Pvt) Limited

Project: Resident Supervision for Revamping of Lahore Zoo (HOSPITAL)

Our Ref. No. CL/CED/ 5732

Dated: 28/8/2024

Test Specification

Your Ref. No. ECSP/RE/ZOO/45

Dated: 24-02-24

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 23/8/2024 Tested on: 28/8/2024 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	RCC Slab of Hospital (1:2:4)	26	1	2024	6x6x6	---	9	36	79	4916	---	Non Engraved
2	RCC Slab of Hospital (1:2:4)	26	1	2024	6x6x6	---	9	36	62	3858	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
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" 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)
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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.

7678
Dr. M. Mazhar

To: Resident Engineer
Engineering Consultancy Services Punjab (Pvt) Limited

Project: Resident Supervision for Revamping of Lahore Zoo (RCC Bed of Crocodile Pond)

Our Ref. No. CL/CED/ 5733

Dated: 28/8/2024

Test Specification

Your Ref. No. ECSP/RE/ZOO/86

Dated: 29/5/2024

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 23/8/2024 Tested on: 28/8/2024 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)	28	4	2024	6x6x6	---	8.6	36	54	3360	---	Non Engraved
2	(1:2:4)	28	4	2024	6x6x6	---	8.6	36	48	2987	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
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
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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.

7656
Dr. M. Mazhar

To: Assistant Director Technical
Anti-Corruption Establishment, Region Bahawalpur.

Project: Material Testing with respect to test mentioned against each samples regarding Complaint 1269/2023 RYK (Police Station SEHJA KHANPUR)

Our Ref. No. CL/CED/ 5734-1 of 2

Dated: 28-08-24

Test Specification

Your Ref. No. ACE-BR-ADT/BWP. No. 932-A

Dated: 20/8/2024

(BS 3921**)

COMPRESSION TEST REPORT



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

Specimens received on: 21/8/2024 Tested on: 28-08-24 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	KPK-Machine Made	---	---	---	8.5 x 4.2 x 2.7	---	2555	35.7	34	2133	---	---
2	KPK-Machine Made	---	---	---	8.5 x 4.2 x 2.7	---	2470	35.7	28	1757	---	---
3	KPK-Machine Made	---	---	---	8.7 x 4.2 x 2.7	---	2565	36.54	36	2207	---	---
4	KPK-Machine Made	---	---	---	8.5 x 4.2 x 2.8	---	2545	35.7	38	2384	---	---
5	KPK-Machine Made	---	---	---	8.5 x 4.3 x 2.8	---	2580	36.55	22	1348	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
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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
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- **** 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.

7656
Dr. M. Mazhar

To: Assistant Director Technical
Anti-Corruption Establishment, Region Bahawalpur.

Project: Material Testing with respect to test mentioned against each samples regarding Complaint 1269/2023 RYK (Police Station SEHJA KHANPUR)

Our Ref. No. CL/CED/ 5734-2 of 2

Dated: 28-08-24

Test Specification

Your Ref. No. ACE-BR-ADT/BWP. No. 932-A

Dated: 20/8/2024

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COMPRESSION TEST REPORT



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

Specimens received on: 21/8/2024 Tested on: 28-08-24 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	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.3	---	2680	29.64	98	7406	---	---
2	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.3	---	2600	29.64	74	5592	---	---
3	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.3	---	2650	29.64	56	4232	---	---
4	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.3	---	2705	29.64	82	6197	---	---
5	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.2	---	2590	29.64	80	6046	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

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

- * as engraved on the specimens (if any)
- ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
- *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
- **** ACI318-08 requires mean of two sample (6" dia x 12" cylinder) strength at 28 days as compressive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory

- The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
- The test results are recommended to be interpreted in the light of above factors by the engineer.

Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



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.

7656
Dr. M. Mazhar

To: Assistant Director Technical
Anti-Corruption Establishment, Region Bahawalpur.

Project: Material Testing with respect to test mentioned against each samples regarding Complaint 864/2023
BWP (Construction of Synthetic Athletic Track BWP)

Our Ref. No. CL/CED/ 5735

Dated: 28-08-24

Test Specification

Your Ref. No. ACE-BR-ADT/BWP. No. 930-A

Dated: 20/8/2024

(BS 3921**)

COMPRESSION TEST REPORT



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

Specimens received on: 21/8/2024 Tested on: 28-08-24 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	M- Machine Made	---	---	---	8.5 x 4.2 x 2.8	---	2860	35.7	24	1506	---	---
2	M- Machine Made	---	---	---	8.8 x 4.2 x 2.9	---	3065	36.96	30	1818	---	---
3	M- Machine Made	---	---	---	8.7 x 4.2 x 2.9	---	3165	36.54	30	1839	---	---
4	M- Machine Made	---	---	---	8.7 x 4.2 x 2.8	---	2970	36.54	36	2207	---	---
5	M- Machine Made	---	---	---	8.6 x 4.2 x 3	---	3015	36.12	34	2109	---	---
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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

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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.

7656
Dr. M. Mazhar

To: Assistant Director Technical
Anti-Corruption Establishment, Region Bahawalpur.

Project: Material Testing with respect to test mentioned against each samples regarding Regular Enquiry No.457/2023 (Construction of Road from Qaim Pur to Head Islam Etc).

Our Ref. No. CL/CED/ 5736

Dated: 28-08-24

Test Specification

Your Ref. No. ACE-BR-ADT/BWP. No. 935

Dated: 20/8/2024

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COMPRESSION TEST REPORT



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

Specimens received on: 21/8/2024 Tested on: 28-08-24 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	---	---	---	8.5 x 4 x 2.7	---	2510	34	30	1976	---	---
2	Machine Made Double Line	---	---	---	8.5 x 4 x 2.7	---	2460	34	26	1713	---	---
3	Machine Made Double Line	---	---	---	8.3 x 3.9 x 2.4	---	2365	32.37	38	2630	---	---
4	Machine Made Double Line	---	---	---	8.5 x 4.2 x 2.5	---	2415	35.7	36	2259	---	---
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" 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.

7656
 Dr. M. Mazhar

To: Assistant Director Technical
 Anti-Corruption Establishment, Region Bahawalpur.

Project: Material Testing with respect to test mentioned against each samples regarding Complaint 1251/2023 RYK (Construction of Judicial Residence RYK)

Our Ref. No. CL/CED/ 5737-1 of 2

Dated: 28-08-24

Test Specification

Your Ref. No. ACE-BR-ADT/BWP. No. 1251

Dated: 20/8/2024

(BS 3921**)

COMPRESSION TEST REPORT



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

Specimens received on: 21/8/2024 Tested on: 28-08-24 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	K*T- Machine Made	---	---	---	8.5 x 4.3 x 2.8	---	2660	36.55	46	2819	---	---
2	K*T- Machine Made	---	---	---	8.5 x 4.2 x 2.9	---	2700	35.7	46	2886	---	---
3	K*T- Machine Made	---	---	---	8.5 x 4.2 x 2.8	---	2630	35.7	48	3012	---	---
4	K*T- Machine Made	---	---	---	8.4 x 4.2 x 2.7	---	2670	35.28	46	2921	---	---
5	K*T- Machine Made	---	---	---	8.4 x 4.2 x 2.6	---	2740	35.28	48	3048	---	---
6	K*T- Machine Made	---	---	---	8.4 x 4.2 x 2.8	---	2555	35.28	46	2921	---	---
7	K*T- Machine Made	---	---	---	8.5 x 4.2 x 2.8	---	2655	35.7	42	2635	---	---
8	K*T- Machine Made	---	---	---	8.4 x 4.2 x 2.8	---	2540	35.28	46	2921	---	---
9	K*T- Machine Made	---	---	---	8.5 x 4.2 x 2.7	---	2580	35.7	44	2761	---	---
10	K*T- Machine Made	---	---	---	8.5 x 4.2 x 2.7	---	2570	35.7	42	2635	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
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 Dr. M. Mazhar

To: Assistant Director Technical
 Anti-Corruption Establishment, Region Bahawalpur.

Project: Material Testing with respect to test mentioned against each samples regarding Complaint 1251/2023 RYK (Construction of Judicial Residence RYK)

Our Ref. No. CL/CED/ 5737-2 of 2

Dated: 28-08-24

Test Specification

Your Ref. No. ACE-BR-ADT/BWP. No. 1251

Dated: 20/8/2024

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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	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.3	---	2580	29.64	66	4988	---	---
2	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.3	---	2680	29.64	119	8993	---	---
3	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.3	---	2720	29.64	89	6726	---	---
4	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.3	---	2520	29.64	68	5139	---	---
5	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.3	---	2720	29.64	99	7482	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
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7653
 Dr. M. Mazhar

To: **Mr. NASEER AHMAD**
 Director, RELIANCE ENGINEERING & Construction Services

Project: Remolding Police Welfare Retail Outlet PSO Gujranwala.

Our Ref. No. CL/CED/ 5738

Dated: 28-08-24

Test Specification

Your Ref. No. RECS/UET/Bricks-2024/001

Dated: 21-08-24

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COMPRESSION TEST REPORT



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

Specimens received on: 21/8/2024 Tested on: 23/8/2024 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	BBC1	---	---	---	8.4 x 4 x 2.8	---	2710	33.6	20	1333	---	---
2	BBC1	---	---	---	8.4 x 4 x 2.8	---	2795	33.6	30	2000	---	---
3	BBC1	---	---	---	8.5 x 4.1 x 2.8	---	2790	34.85	16	1028	---	---
4	BBC1	---	---	---	8.5 x 4 x 2.7	---	2695	34	24	1581	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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Director/Dy. Director Concrete Laboratory