



# 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.

8227  
Dr. M. Burhan

To: Mr. Mouazam Ali Shahzad  
Asst. Resident Engineer, NEW VISION ENGINEERING CONSULTANT  
Project: UPGRADATION & MODERNIZATION OF PAKISTAN MINT PHASE II-A SHALIMAR TOWN GT ROAD LAHORE  
Our Ref. No. CL/CED/ 6446-1 of 2 Dated: 13-11-24 Test Specification  
Your Ref. No. NVEC/RE/PAKMINT/2024/57-1 Dated: 18-10-24 (ASTM C39)

### COMPRESSION TEST REPORT



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

Specimens received on: 13-11-24 Tested on: 13-11-24 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	Col. Upto Bracing Beam-5000 Psi	20	8	2024	6Diax12	---	14.2	28.28	74	5861	---	Non Engraved
2	Col. Upto Bracing Beam-5000 Psi	20	8	2024	6Diax12	---	14	28.28	87	6891	---	Non Engraved
3	Col. Upto Bracing Beam-5000 Psi	20	8	2024	6Diax12	---	14	28.28	95	7525	---	Non Engraved
4	Col. Upto Bracing Beam-5000 Psi	22	8	2024	6Diax12	---	14.2	28.28	95	7525	---	Non Engraved
5	Col. Upto Bracing Beam-5000 Psi	22	8	2024	6Diax12	---	14	28.28	68	5386	---	Non Engraved
6	Col. Upto Bracing Beam-5000 Psi	22	8	2024	6Diax12	---	14.6	28.28	101	8000	---	Non Engraved
7	Col. Upto Bracing Beam-5000 Psi	24	8	2024	6Diax12	---	14.6	28.28	77	6099	---	Non Engraved
8	Col. Upto Bracing Beam-5000 Psi	24	8	2024	6Diax12	---	13.6	28.28	83	6574	---	Non Engraved
9	Col. Upto Bracing Beam-5000 Psi	24	8	2024	6Diax12	---	14.4	28.28	115	9109	---	Non Engraved
10	Col. Upto Bracing Beam-5000 Psi	25	8	2024	6Diax12	---	14.2	28.28	85	6733	---	Non Engraved
11	Col. Upto Bracing Beam-5000 Psi	25	8	2024	6Diax12	---	14.2	28.28	95	7525	---	Non Engraved
12	Col. Upto Bracing Beam-5000 Psi	25	8	2024	6Diax12	---	13	28.28	105	8317	---	Non Engraved
13	Col. Upto Bracing Beam-5000 Psi	26	8	2024	6Diax12	---	14	28.28	103	8158	---	Non Engraved
14	Col. Upto Bracing Beam-5000 Psi	26	8	2024	6Diax12	---	14.2	28.28	64	5069	---	Non Engraved
15	Col. Upto Bracing Beam-5000 Psi	26	8	2024	6Diax12	---	15	28.28	105	8317	---	Non Engraved
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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Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



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To: Mr. Mouazam Ali Shahzad  
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Project: UPGRADATION & MODERNIZATION OF PAKISTAN MINT PHASE II-A SHALIMAR TOWN GT ROAD LAHORE  
Our Ref. No. CL/CED/ 6304-2 of 2 Dated: 13-11-24 Test Specification  
Your Ref. No. NVEC/RE/PAKMINT/2024/57-1 Dated: 18-10-24 (ASTM C39)

### COMPRESSION TEST REPORT



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

Specimens received on: 13-11-24 Tested on: 13-11-24 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	Col. Upto Bracing Beam-5000 Psi	30	8	2024	6Diax12	---	14	28.28	83	6574	---	Non Engraved
2	Col. Upto Bracing Beam-5000 Psi	30	8	2024	6Diax12	---	13.4	28.28	111	8792	---	Non Engraved
3	Col. Upto Bracing Beam-5000 Psi	30	8	2024	6Diax12	---	13.8	28.28	83	6574	---	Non Engraved
4	Col. Upto Bracing Beam-5000 Psi	31	8	2024	6Diax12	---	14	28.28	105	8317	---	Non Engraved
5	Col. Upto Bracing Beam-5000 Psi	31	8	2024	6Diax12	---	14.4	28.28	89	7050	---	Non Engraved
6	Col. Upto Bracing Beam-5000 Psi	31	8	2024	6Diax12	---	15	28.28	95	7525	---	Non Engraved
7	Col. Upto Bracing Beam-5000 Psi	2	9	2024	6Diax12	---	14	28.28	79	6257	---	Non Engraved
8	Col. Upto Bracing Beam-5000 Psi	2	9	2024	6Diax12	---	14	28.28	109	8634	---	Non Engraved
9	Col. Upto Bracing Beam-5000 Psi	2	9	2024	6Diax12	---	13.8	28.28	93	7366	---	Non Engraved
10	Bracing Beam 4000 Psi	9	10	2024	6Diax12	---	14	28.28	95	7525	---	Non Engraved
11	Bracing Beam 4000 Psi	9	10	2024	6Diax12	---	14	28.28	81	6416	---	Non Engraved
12	Bracing Beam 4000 Psi	9	10	2024	6Diax12	---	13.8	28.28	81	6416	---	Non Engraved
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

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8217  
 Dr. M. Mazhar

To: Admin Manager  
 RF Construction, Johar Town, Lahore

Project: Plot No. 24 Block Q Shah Alam Road Johar Town Lahore.

Our Ref. No. CL/CED/ 6447

Dated: 13/11/2024

Test Specification

Your Ref. No. 13/11/24/By Hand

Dated: 11-11-24

(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	3000 Psi	16	10	2024	6Diax12	---	14	28.28	38	3010	---	Non Engraved
2	3000 Psi	16	10	2024	6Diax12	---	15.6	28.28	28	2218	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Mr. Ishtiaq Hussain, CNIC # 35201-3508795-1

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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Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



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8192  
Dr. M. Mazhar

To: Mr. Muzaffar Ahmed  
Resident Engineer, G3 Engineering Consultants (Pvt) Ltd  
Project: Construction of Residential Area (G20, G-18-19, Family Flats, Male & Female Faculty Hostel, Guest House & Masjid) at University of Narowal (New Campus)- Construction of Guest House  
Our Ref. No. CL/CED/ 6448 Dated: 13/11/2024  
Your Ref. No. G3/UON-RE/648 Dated: 06-11-24

Test Specification  
(ASTM C39)

### COMPRESSION TEST REPORT



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

Specimens received on: 07-11-24 Tested on: 13/11/2024 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	2nd Floor Column (4000 Psi)	13	10	2024	6Diax12	---	15	28.28	42	3327	---	Non Engraved
2	2nd Floor Column (4000 Psi)	13	10	2024	6Diax12	---	15	28.28	42	3327	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

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Dr. M. Mazhar

To: Mr. Muzaffar Ahmed  
Resident Engineer, G3 Engineering Consultants (Pvt) Ltd  
Project: Construction of Residential Area (G20, G-18-19, Family Flats, Male & Female Faculty Hostel, Guest House & Masjid) at University of Narowal (New Campus)- Construction of Grade 18, 19 (H #05)  
Our Ref. No. CL/CED/ 6449 Dated: 13/11/2024  
Your Ref. No. G3/UON-RE/649 Dated: 06-11-24

Test Specification  
(ASTM C39)

### COMPRESSION TEST REPORT



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

Specimens received on: 07-11-24 Tested on: 13/11/2024 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	Ground Fir Roof Slab (3000 Psi)	8	10	2024	6Diax12	---	14	28.28	52	4119	---	Engraved
2	Ground Fir Roof Slab (3000 Psi)	8	10	2024	6Diax12	---	13.8	28.28	50	3960	---	Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

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Our Ref. No. CL/CED/ 6450

Dated: 13/11/2024

Test Specification

Your Ref. No. G3/UON-RE/650

Dated: 06-11-24

(ASTM C39)

## COMPRESSION TEST REPORT



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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 Fir Roof Slab (3000 Psi)	22	9	2024	6Diax12	---	14.4	28.28	32	2535	---	Engraved
2	Ground Fir Roof Slab (3000 Psi)	22	9	2024	6Diax12	---	14	28.28	30	2376	---	Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
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15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

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Our Ref. No. CL/CED/ 6451 Dated: 13/11/2024  
Your Ref. No. G3/UON-RE/642 Dated: 06-11-24

Test Specification  
(ASTM C39)

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1	Ground Fir Roof Slab-B (3000 Psi)	25	8	2024	6Diax12	---	14.4	28.28	38	3010	---	Engraved
2	Ground Fir Roof Slab-B (3000 Psi)	25	8	2024	6Diax12	---	13.4	28.28	48	3802	---	Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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Dr. M. Mazhar

To: Mr. Muzaffar Ahmed  
Resident Engineer, G3 Engineering Consultants (Pvt) Ltd  
Project: Construction of Residential Area (G20, G-18-19, Family Flats, Male & Female Faculty Hostel, Guest House & Masjid) at University of Narowal (New Campus)- Construction of Male Faculty Hostel  
Our Ref. No. CL/CED/ 6452 Dated: 13/11/2024  
Your Ref. No. G3/UON-RE/643 Dated: 06-11-24

Test Specification  
(ASTM C39)

### COMPRESSION TEST REPORT



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

Specimens received on: 07-11-24 Tested on: 13/11/2024 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 (4000 Psi)	8	9	2024	6Diax12	---	14.6	28.28	78	6178	---	Engraved
2	1st Floor Column (4000 Psi)	8	9	2024	6Diax12	---	15	28.28	50	3960	---	Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
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10	---	---	---	---	---	---	---	---	---	---	---	---
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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.

8191  
 Dr. M. Mazhar

To: Mr. Muzaffar Ahmed  
 Resident Engineer, G3 Engineering Consultants (Pvt) Ltd

Project: Construction of Residential Area (G20, G-18-19, Family Flats, Male & Female Faculty Hostel, Guest House & Masjid) at University of Narowal (New Campus)- Construction of Jamia Masjid  
 Our Ref. No. CL/CED/ 6453 Dated: 13/11/2024

Your Ref. No. G3/UON-RE/646

Dated: 06-11-24

Test Specification  
 (ASTM C39)

## COMPRESSION TEST REPORT



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

Specimens received on: 07-11-24 Tested on: 13/11/2024 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 Roof Slab-A (3000 Psi)	2	9	2024	6Diax12	---	14	28.28	42	3327	---	Non Engraved
2	1st Floor Roof Slab-A (3000 Psi)	2	9	2024	6Diax12	---	15	28.28	52	4119	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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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**  
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8191  
Dr. M. Mazhar

To: Mr. Muzaffar Ahmed  
Resident Engineer, G3 Engineering Consultants (Pvt) Ltd  
Project: Construction of Residential Area (G20, G-18-19, Family Flats, Male & Female Faculty Hostel, Guest House & Masjid) at University of Narowal (New Campus)- Construction of Male Faculty Hostel  
Our Ref. No. CL/CED/ 6454 Dated: 13/11/2024  
Your Ref. No. G3/UON-RE/651 Dated: 06-11-24

Test Specification  
(ASTM C39)

### COMPRESSION TEST REPORT



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

Specimens received on: 07-11-24 Tested on: 13/11/2024 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 Roof Slab (3000 Psi)	12	10	2024	6Diax12	---	13.4	28.28	34	2693	---	Non Engraved
2	1st Floor Roof Slab (3000 Psi)	12	10	2024	6Diax12	---	13.8	28.28	40	3168	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
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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

- 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.

8191  
Dr. M. Mazhar

To: Mr. Muzaffar Ahmed  
Resident Engineer, G3 Engineering Consultants (Pvt) Ltd  
Project: Construction of Residential Area (G20, G-18-19, Family Flats, Male & Female Faculty Hostel, Guest House & Masjid) at University of Narowal (New Campus)- Construction of Female Faculty Hostel  
Our Ref. No. CL/CED/ 6455 Dated: 13/11/2024  
Your Ref. No. G3/UON-RE/652 Dated: 06-11-24

**Test Specification**  
(ASTM C39)

### COMPRESSION TEST REPORT



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

Specimens received on: 07-11-24 Tested on: 13/11/2024 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 Roof Slab B (3000 Psi)	13	10	2024	6Diax12	---	14.4	28.28	42	3327	---	Engraved
2	1st Floor Roof Slab B (3000 Psi)	13	10	2024	6Diax12	---	14	28.28	40	3168	---	Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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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

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8191  
Dr. M. Mazhar

To: Mr. Muzaffar Ahmed  
Resident Engineer, G3 Engineering Consultants (Pvt) Ltd  
Project: Construction of Residential Area (G20, G-18-19, Family Flats, Male & Female Faculty Hostel, Guest House & Masjid) at University of Narowal (New Campus)- Construction of Female Faculty Hostel  
Our Ref. No. CL/CED/ 6456 Dated: 13/11/2024  
Your Ref. No. G3/UON-RE/653 Dated: 06-11-24

Test Specification  
(ASTM C39)

### COMPRESSION TEST REPORT



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

Specimens received on: 07-11-24 Tested on: 13/11/2024 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 Roof Slab-A (3000 Psi)	25	8	2024	6Diax12	---	14	28.28	42	3327	---	Non Engraved
2	1st Floor Roof Slab-A (3000 Psi)	25	8	2024	6Diax12	---	13	28.28	42	3327	---	Non Engraved
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-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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- 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.

8157  
 Dr. M. Mazhar

**To: Project Manager**  
**TOWER 101 GULBERG II LHR, MCC Building 53/1 B Nursery Lane Lawrence Road Lahore**

**Project: Construction of TOWER 101 GULBERG II LAHORE**

**Our Ref. No. CL/CED/ 6457**

**Dated: 13/11/2024**

**Test Specification**

**Your Ref. No. LHR/MCC/458**

**Dated: 04-11-24**

**(ASTM C39)**

## COMPRESSION TEST REPORT



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

**Specimens received on: 04-11-24    Tested on: 13/11/2024    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	Roof Slab (3000 Psi)	23	10	2024	6Diax12	---	14	28.28	34	2693	---	Non Engraved
2	Roof Slab (3000 Psi)	23	10	2024	6Diax12	---	15	28.28	38	3010	---	Non Engraved
3	Roof Slab (3000 Psi)	23	10	2024	6Diax12	---	13.4	28.28	34	2693	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
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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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**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.

8157  
Dr. M. Mazhar

To: Project Manager  
TOWER 101 GULBERG II LHR, MCC Building 53/1 B Nursery Lane Lawrence Road Lahore

Project: Construction of TOWER 101 GULBERG II LAHORE

Our Ref. No. CL/CED/ 6458

Dated: 13/11/2024

Test Specification

Your Ref. No. LHR/MCC/457

Dated: 04-11-24

(ASTM C39)

## COMPRESSION TEST REPORT



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

Specimens received on: 04-11-24 Tested on: 13/11/2024 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	Mumty Floor Column (4000 Psi)	24	10	2024	6Diax12	---	13.4	28.28	26	2059	---	Non Engraved
2	Mumty Floor Column (4000 Psi)	24	10	2024	6Diax12	---	14	28.28	28	2218	---	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
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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.

8147  
 Dr. M. Mazhar

To: Engr Ahmed  
 Manager Structures, M/S IQBAL, UZAIR & ASSOCIATES

Project: Site 181-D, Model Town Lahore

Our Ref. No. CL/CED/ 6459

Dated: 13/11/2024

Test Specification

Your Ref. No. Nil

Dated: Nil

(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	Slab (3000 Psi) (1:2:4)	7	7	2024	6Diax12	---	14.6	28.28	56	4436	---	Non Engraved
2	Slab (3000 Psi) (1:2:4)	7	7	2024	6Diax12	---	14.4	28.28	60	4752	---	Non Engraved
3	Slab (3000 Psi) (1:2:4)	21	7	2024	6Diax12	---	14.6	28.28	66	5228	---	Engraved
4	Slab (3000 Psi) (1:2:4)	21	7	2024	6Diax12	---	15	28.28	48	3802	---	Engraved
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
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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.

8219  
Dr. M. Mazhar

**To: Mr. M. USMAN RAUF**  
Resident Engineer, Highways and Transportation Engineering Division, NESPAK (Pvt) Ltd  
Project: Rehabilitation of Main Road and Link Street Rehmat Town Manawan; Construction of Streets Abu Bakar Keer Kalan and Basti Gujjar; Constr. of Streets H. No. 326 to 330, 432 6C-II Hanif Sial Park UC 236  
Our Ref. No. CL/CED/ 6460 Dated: 13/11/2024  
Your Ref. No. 4084/103/MUR/104/7206 Dated: 08-11-24

**Test Specification**  
( BS 1881-116 )

## COMPRESSION TEST REPORT



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

Specimens received on: 11-11-24 Tested on: 13/11/2024 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	10	2024	6x6x6	---	8.8	36	88	5476	---	Non Engraved
2	---	8	10	2024	6x6x6	---	9	36	54	3360	---	Non Engraved
3	---	8	10	2024	6x6x6	---	9	36	101	6284	---	Non 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" 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.

8218  
 Dr. M. Mazhar

To: Executive Engineer  
 Highways Division Sargodha

Project: Special Repair of Road From CHAWA to CHAK QAZI Length 21.00 KM in District Sargodha

Our Ref. No. CL/CED/ 6461

Dated: 13/11/2024

Test Specification

Your Ref. No. 7131/C

Dated: 29/10/2024

(BS 1881-116)

## COMPRESSION TEST REPORT



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

Specimens received on: 11-11-24 Tested on: 13/11/2024 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	Rigid Pavement (1:1.5:3)	9	8	2024	6x6x6	---	8	36	64	3982	---	Non Engraved
2	Rigid Pavement (1:1.5:3)	12	8	2024	6x6x6	---	9.4	36	74	4604	---	Non Engraved
3	Rigid Pavement (1:1.5:3)	15	8	2024	6x6x6	---	8.4	36	64	3982	---	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" 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.

8179  
Dr. M. Mazhar

To: Resident Engineer  
Pakistan Environmental Planning & Architectural Consultants (Pvt) Ltd  
Project: Establishment of Workers Welfare Complex (Phase-I) Adjacent to Sundar Industrial Estate District Kasur. Package T  
Our Ref. No. CL/CED/ 6462-1 of 2 Dated: 13/11/2024  
Your Ref. No. RE/PEPAC/2024/T-48 Dated: 31/10/2024

Test Specification  
( ---- )

### COMPRESSION TEST REPORT



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

Specimens received on: 06-11-24 Tested on: 13/11/2024 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	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.4	---	2775	29.64	72	5441	---	---
2	Rectangular, Grey, 60mm	---	---	---	7.8 x 3.8 x 2.4	---	2905	29.64	99	7482	---	---
3	Rectangular, Red, 60mm	---	---	---	7.8 x 3.8 x 2.4	---	2795	29.64	72	5441	---	---
4	Rectangular, Red, 60mm	---	---	---	7.8 x 3.8 x 2.4	---	2760	29.64	81	6121	---	---
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-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.

8179  
Dr. M. Mazhar

To: Resident Engineer  
Pakistan Environmental Planning & Architectural Consultants (Pvt) Ltd  
Project: Establishment of Workers Welfare Complex (Phase-I) Adjacent to Sundar Industrial Estate District Kasur. Package T  
Our Ref. No. CL/CED/ 6462-2 of 2 Dated: 13/11/2024  
Your Ref. No. RE/PEPAC/2024/T-48 Dated: 31/10/2024

Test Specification  
( ---- )

## COMPRESSION TEST REPORT



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

Specimens received on: 06-11-24 Tested on: 13/11/2024 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	Uni-Block, Grey, 60mm	---	---	---	2.3 thick	---	3430	36.99	133	8054	---	---
2	Uni-Block, Grey, 60mm	---	---	---	2.3 thick	---	3385	36.99	95	5753	---	---
3	Uni-Block, Red, 60mm	---	---	---	2.3 thick	---	3345	36.99	105	6358	---	---
4	Uni-Block, Red, 60mm	---	---	---	2.3 thick	---	3360	36.99	127	7691	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
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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.

8198  
 Dr. M. Mazhar

**To:** Muhammad Construction Company  
 Nathuwala Chak No. 180 R.B, Shahkot, Nankana Sahib.

**Project:** Paramount Mill Development (Raiwind) Sapphire Fibers Ltd.

**Our Ref. No. CL/CED/ 6463**

**Dated: 13/11/2024**

**Test Specification**

**Your Ref. No. Nil**

**Dated: Nil**

**(----)**

## COMPRESSION TEST REPORT



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

**Specimens received on:** 07-11-24 **Tested on:** 13/11/2024 **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	K5	---	---	---	8.6 x 4.3 x 2.9	---	3385	36.98	36	2181	---	---
2	K5	---	---	---	8.8 x 4.3 x 3	---	3435	37.84	42	2486	---	---
3	A7	---	---	---	8.8 x 4.3 x 3	---	3365	37.84	40	2368	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
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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.

8205  
 Dr. M. Mazhar

**To:** Cantonment Executive Officer Lahore  
 Military Lands & Cantonments Deptt, Lahore Cantonment Board

**Project:** Construction of Shops (11X CB Plaza Sarwar Road)

**Our Ref. No. CL/CED/ 6464**

**Dated: 13/11/2024**

**Test Specification**

**Your Ref. No. SCE/Tender-2024-25/D-18570-A**

**Dated: 29/10/2024**

( ---- )

## COMPRESSION TEST REPORT



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

**Specimens received on:** 08-11-24 **Tested on:** 13/11/2024 **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	F-16	---	---	---	8.8 x 4.3 x 3	---	3190	37.84	40	2368	---	---
2	F-16	---	---	---	8.8 x 4.3 x 2.9	---	3015	37.84	30	1776	---	---
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

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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.

8205  
 Dr. M. Mazhar

**To:** Cantonment Executive Officer Lahore  
 Military Lands & Cantonments Deptt, Lahore Cantonment Board

**Project:** Construction of Drain at Chota Gohawa

**Our Ref. No. CL/CED/ 6465**

**Dated: 13/11/2024**

**Test Specification**

**Your Ref. No. SCE/Tender-2024-25/D-18573**

**Dated: 29/10/2024**

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## COMPRESSION TEST REPORT



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

**Specimens received on:** 08-11-24 **Tested on:** 13/11/2024 **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	F-16	---	---	---	8.8 x 4.3 x 3	---	3040	37.84	26	1539	---	---
2	F-16	---	---	---	8.8 x 4.3 x 3	---	3045	37.84	32	1894	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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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" 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.

8128  
 Dr. M. Mazhar

**To:** Mr. Muhammad Asif Bajwa  
 Resident Engineer, Highways and Transportation Engineering Division, NESPAK (Pvt) Ltd  
 Project: Restoration/Improvement of Sangla Hill to Pindi Bhattian Road Length = 12.00 Km (Taken = 9.20)  
 Km in District Nankana Sahib  
 Our Ref. No. CL/CED/ 6466      Dated: 13/11/2024  
 Your Ref. No. 3811/103/RRPNS/AB/288      Dated: 25/10/2024

**Test Specification**  
 ( BS 3921\*\* )

## COMPRESSION TEST REPORT



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

Specimens received on: 30/10/2024 Tested on: 13/11/2024 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	BIB	---	---	---	8.9 x 4.3 x 3	3875	3515	38.27	46	2692	10.24	---
2	BIB	---	---	---	8.8 x 4.1 x 2.9	3595	3305	36.08	44	2732	8.77	---
3	BIB	---	---	---	9 x 4.3 x 3	3805	3400	38.7	38	2199	11.91	---
4	BIB	---	---	---	8.9 x 4.2 x 3	3745	3415	37.38	46	2757	9.66	---
5	BIB	---	---	---	9 x 4.2 x 3	3745	3410	37.8	46	2726	9.82	---
6	BIB	---	---	---	8.9 x 4.2 x 3	3665	3335	37.38	46	2757	9.9	---
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" 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