



# 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.

364  
Dr. Umbreen

To: Mr. M. Zaki  
Resident Engineer, NESPAK (Pvt.) Limited. Highways and Transportation Engineering Division.  
Project: UC-70 2 Oppo Darbar Shah Ghous Streets. Rehabilitation/Improvement of Streets PCC, Sewerage/Drainage of UC 56, 70, 168, 169, 170, 171 Data Gunj Bukhsh Zone MCL.  
Our Ref. No. CL/CED/ 9825 Dated: 31/10/2025  
Your Ref. No. 4084/103/LDP/DGBT/04/161 Dated: 13/10/2025

Test Specification  
(BS 6717)

## COMPRESSION TEST REPORT



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

Specimens received on: 21/10/2025 Tested on: 31/10/2025 in dry/wet condition



Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	Rectangular, Grey 80mm(UC-70)	---	---	---	7.8x3.9x3.1	---	3715	30.42	110	8100	---	9558
2	Rectangular, Grey 80mm(UC-70)	---	---	---	7.8x3.9x3.1	---	3730	30.42	120	8836	---	10426
3	Rectangular, Grey 80mm(UC-70)	---	---	---	7.8x3.9x3.1	---	3775	30.42	94	6922	---	8168
4	Rectangular, Grey 80mm(UC-70)	---	---	---	7.8x3.9x3.1	---	3640	30.42	100	7364	---	8690
5	Rectangular, Grey 80mm(UC-70)	---	---	---	7.8x3.9x3.1	---	3880	30.42	108	7953	---	9385
6	Rectangular, Grey 80mm(UC-70)	---	---	---	7.8x3.9x3.1	---	3770	30.42	98	7216	---	8515
7	Rectangular, Grey 80mm(UC-70)	---	---	---	7.8x3.9x3.1	---	3715	30.42	114	8394	---	9905
8	Rectangular, Grey 80mm(UC-70)	---	---	---	7.8x3.9x3.1	---	3820	30.42	122	8984	---	10601
9	Rectangular, Red, 80mm(UC-70)	---	---	---	7.8x3.9x3.1	---	3730	30.42	100	7364	---	8690
10	Rectangular, Red, 80mm(UC-70)	---	---	---	7.8x3.9x3.1	---	3815	30.42	122	8984	---	10601
11	Rectangular, Red, 80mm(UC-70)	---	---	---	7.8x3.9x3.1	---	3635	30.42	98	7216	---	8515
12	Rectangular, Red, 80mm(UC-70)	---	---	---	7.8x3.9x3.1	---	3925	30.42	106	7805	---	9210
13	Rectangular, Red, 80mm(UC-70)	---	---	---	7.8x3.9x3.1	---	3730	30.42	94	6922	---	8168
14	Rectangular, Red, 80mm(UC-70)	---	---	---	7.8x3.9x3.1	---	3755	30.42	94	6922	---	8168
15	Rectangular, Red, 80mm(UC-70)	---	---	---	7.8x3.9x3.1	---	3685	30.42	112	8247	---	9731
16	Rectangular, Red, 80mm(UC-70)	---	---	---	7.8x3.9x3.1	---	3730	30.42	106	7805	---	9210

Witnessed by: Mr. Waqas, CNIC # 33303-6787060-9

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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364  
 Dr. Umbreen

**To: Mr. M. Zaki**  
 Resident Engineer, NESPAK(Pvt.) Limited. Highways and Transportation Engineering Division.  
 Project: UC-168 Gali No. 33 Rehabilitation/ Improvement of Streets PCC Sewerage/ Drainage of UC-56, 70,168,169,170,171. Data Gunj Bukhsh Zone MCL.  
 Our Ref. No. CL/CED/ 9826      Dated: 31/10/2025  
 Your Ref. No. 4084/103/LDP/DGBT/04/160      Dated: 13/10/2025

**Test Specification**  
 ( BS 6717 )

## COMPRESSION TEST REPORT



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

Specimens received on: **21/10/2025** Tested on: **31/10/2025** 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(UC-168)	---	---	---	7.8x3.9x2.4	---	2845	30.42	100	7364	---	7806
2	Rectangular, Grey 60mm(UC-168)	---	---	---	7.8x3.9x2.4	---	2830	30.42	116	8542	---	9055
3	Rectangular, Grey 60mm(UC-168)	---	---	---	7.8x3.9x2.4	---	2830	30.42	114	8394	---	8898
4	Rectangular, Grey 60mm(UC-168)	---	---	---	7.8x3.9x2.4	---	2760	30.42	130	9573	---	10147
5	Rectangular, Red, 60mm(UC-168)	---	---	---	7.8x3.9x2.4	---	2810	30.42	94	6922	---	7337
6	Rectangular, Red, 60mm(UC-168)	---	---	---	7.8x3.9x2.4	---	2820	30.42	100	7364	---	7806
7	Rectangular, Red, 60mm(UC-168)	---	---	---	7.8x3.9x2.4	---	2755	30.42	60	4418	---	4683
8	Rectangular, Red, 60mm(UC-168)	---	---	---	7.8x3.9x2.4	---	2835	30.42	54	3976	---	4215
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: **Mr. Waqas, CNIC # 33303-6787060-9**

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- \* as engraved on the specimens (if any)
- \*\* BS3921 requires average of ten clay brick samples for crushing strength and water absorption
- \*\*\* BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
- \*\*\*\* ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as compressive strength

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**Supervisor (Lab)**

**Director/Dy. Director Concrete Laboratory**



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 Dr. Umbreen

**To: Mr. M. Zaki**  
 Resident Engineer, NESPAK (Pvt.) Limited. Highways and Transportation Engineering Division.  
 Project: UC-171 Hakeem Street. Rehabilitation/ Improvement of Streets PCC Sewerage/ Drainage of UC-56, 70,168,169,170,171. Data Gunj Bukhsh Zone MCL.  
 Our Ref. No. CL/CED/ 9827      Dated: 31/10/2025  
 Your Ref. No. 4084/103/LDP/DGBT/04/162      Dated: 13/10/2025

**Test Specification**  
 ( BS 6717 )

## COMPRESSION TEST REPORT



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

Specimens received on: **21/10/2025** Tested on: **31/10/2025** 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(UC-171)	---	---	---	7.8x3.9x2.4	---	2970	30.42	114	8394	---	8898
2	Rectangular, Grey 60mm(UC-171)	---	---	---	7.8x3.9x2.4	---	2910	30.42	120	8836	---	9366
3	Rectangular, Grey 60mm(UC-171)	---	---	---	7.8x3.9x2.4	---	2970	30.42	90	6627	---	7025
4	Rectangular, Grey 60mm(UC-171)	---	---	---	7.8x3.9x2.4	---	2900	30.42	110	8100	---	8586
5	Rectangular, Red 60mm(UC-171)	---	---	---	7.8x3.9x2.4	---	2750	30.42	106	7805	---	8273
6	Rectangular, Red 60mm(UC-171)	---	---	---	7.8x3.9x2.4	---	2955	30.42	104	7658	---	8117
7	Rectangular, Red 60mm(UC-171)	---	---	---	7.8x3.9x2.4	---	3035	30.42	100	7364	---	7806
8	Rectangular, Red 60mm(UC-171)	---	---	---	7.8x3.9x2.4	---	2915	30.42	112	8247	---	8742
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: **Mr. Waqas, CNIC # 33303-6787060-9**

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**Supervisor (Lab)**

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## Civil Engineering Department

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364  
Dr. Umbreen

To: Mr. M. Zaki

Resident Engineer, NESPAK (Pvt.) Limited. Highways and Transportation Engineering Division.  
Project: UC-171 Main Road Streets, Nanah Street, Nanah Street, Nanah Street Oppo Waza Filtration Plant,  
Nanah Street Link 1, Link 2, Link 3 and Link 4. Rehabilitation/ Improvement of Streets PCC Sewerage/  
Drainage of UC-56 70 168 169 170 171 Data Guni Rukhsh Zone MCI  
Our Ref. No. CL/CED/ 9828- 1 of 2

Dated: 31/10/2025

Test Specification

Your Ref. No. 4084/103/LDP/DGBT/04/163

Dated: 13/10/2025

( BS 6717 )

## COMPRESSION TEST REPORT



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

Specimens received on: 21/10/2025 Tested on: 31/10/2025 in dry/wet condition



Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
		DD	MM	YYYY								
1	Rectangular, Grey 60mm(UC-171)	---	---	---	7.8x3.9x2.4	---	2850	30.42	98	7216	---	7649
2	Rectangular, Grey 60mm(UC-171)	---	---	---	7.8x3.9x2.4	---	2895	30.42	94	6922	---	7337
3	Rectangular, Grey 60mm(UC-171)	---	---	---	7.8x3.9x2.4	---	2780	30.42	102	7511	---	7962
4	Rectangular, Grey 60mm(UC-171)	---	---	---	7.8x3.9x2.4	---	2760	30.42	104	7658	---	8117
5	Rectangular, Grey 60mm(UC-171)	---	---	---	7.8x3.9x2.4	---	2790	30.42	90	6627	---	7025
6	Rectangular, Grey 60mm(UC-171)	---	---	---	7.8x3.9x2.4	---	2860	30.42	68	5007	---	5307
7	Rectangular, Grey 60mm(UC-171)	---	---	---	7.8x3.9x2.4	---	2870	30.42	104	7658	---	8117
8	Rectangular, Grey 60mm(UC-171)	---	---	---	7.8x3.9x2.4	---	2930	30.42	74	5449	---	5776
9	Rectangular, Grey 60mm(UC-171)	---	---	---	7.8x3.9x2.4	---	2865	30.42	68	5007	---	5307
10	Rectangular, Grey 60mm(UC-171)	---	---	---	7.8x3.9x2.4	---	2795	30.42	114	8394	---	8898
11	Rectangular, Grey 60mm(UC-171)	---	---	---	7.8x3.9x2.4	---	2870	30.42	106	7805	---	8273
12	Rectangular, Grey 60mm(UC-171)	---	---	---	7.8x3.9x2.4	---	2880	30.42	114	8394	---	8898
13	Rectangular, Grey 60mm(UC-171)	---	---	---	7.8x3.9x2.4	---	2875	30.42	78	5744	---	6089
14	Rectangular, Grey 60mm(UC-171)	---	---	---	7.8x3.9x2.4	---	2935	30.42	106	7805	---	8273
15	Rectangular, Grey 60mm(UC-171)	---	---	---	7.8x3.9x2.4	---	2785	30.42	98	7216	---	7649
16	Rectangular, Grey 60mm(UC-171)	---	---	---	7.8x3.9x2.4	---	2780	30.42	110	8100	---	8586

Witnessed by: Mr. Waqas, CNIC # 33303-6787060-9

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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Dr. Umbreen

To: Mr. M. Zaki

Resident Engineer, NESPAK (Pvt.) Limited. Highways and Transportation Engineering Division.  
Project: UC-171 Marlonia Streets, Nanah Street, Nanah Street, Nanah Street Oppo Wasa Filtration Plant,  
Nanah Street Link 1, Link 2, Link 3 and Link 4. Rehabilitation/ Improvement of Streets PCC Sewerage/  
Drainage of UC-56 70 168 169 170 171 Data Guni Rukhsah Zone MCI  
Our Ref. No. CL/CED/ 9828- 2 of 2

Dated: 31/10/2025

Test Specification

Your Ref. No. 4084/103/LDP/DGBT/04/163

Dated: 13/10/2025

( BS 6717 )

## COMPRESSION TEST REPORT



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

Specimens received on: 21/10/2025 Tested on: 31/10/2025 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, Red, 60mm(UC-171)	---	---	---	7.8x3.9x2.4	---	2850	30.42	94	6922	---	7337	
2	Rectangular Red 60mm(UC-171)	---	---	---	7.8x3.9x2.4	---	2850	30.42	104	7658	---	8118	
3	Rectangular Red 60mm(UC-171)	---	---	---	7.8x3.9x2.4	---	2930	30.42	88	6480	---	6869	
4	Rectangular Red 60mm(UC-171)	---	---	---	7.8x3.9x2.4	---	2925	30.42	78	5744	---	6089	
5	Rectangular Red 60mm(UC-171)	---	---	---	7.8x3.9x2.4	---	2860	30.42	110	8100	---	8586	
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11	Rectangular Red 60mm(UC-171)	---	---	---	7.8x3.9x2.4	---	2720	30.42	102	7511	---	7962	
12	Rectangular Red 60mm(UC-171)	---	---	---	7.8x3.9x2.4	---	2880	30.42	104	7658	---	8117	
13	Rectangular Red 60mm(UC-171)	---	---	---	7.8x3.9x2.4	---	2905	30.42	94	6922	---	7337	
14	Rectangular Red 60mm(UC-171)	---	---	---	7.8x3.9x2.4	---	2785	30.42	108	7953	---	8430	
15	Rectangular Red 60mm(UC-171)	---	---	---	7.8x3.9x2.4	---	2815	30.42	120	8836	---	9366	
16	Rectangular Red 60mm(UC-171)	---	---	---	7.8x3.9x2.4	---	2780	30.42	108	7953	---	8430	

Witnessed by: Mr. Waqas, CNIC # 33303-6787060-9

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Director/Dy. Director Concrete Laboratory



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414  
 Dr. Umbreen

**To: Mr. Qamar Uz Zaman**  
 Project Manager, Aujla and Associates

**Project: Overhead Water Reservoir No.1 Foundation, Canal View Housing Scheme Phase II, Gujranwala.**

**Our Ref. No. CL/CED/ 9829**

**Dated: 31/10/2025**

**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: 29/10/2025 Tested on: 31/10/2025 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	---	6	10	2025	6Diax12	---	14	28.28	70	5545	---	Non Engraved
2	---	6	10	2025	6Diax12	---	14	28.28	70	5545	---	Non Engraved
3	---	6	10	2025	6Diax12	---	14.2	28.28	74	5861	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

**Witnessed by: Nil**

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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.

414  
Dr. Umbreen

To: Mr. Qamar Uz Zaman  
Project Manager, Aujla and Associates

Project: Gate No.1 Foundation, Canal View Housing Scheme Phase II, Gujranwala.

Our Ref. No. CL/CED/ 9830

Dated: 31/10/2025

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: 29/10/2025 Tested on: 31/10/2025 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	---	5	10	2025	6Diax12	---	14	28.28	46	3644	---	Non Engraved
2	---	5	10	2025	6Diax12	---	14	28.28	56	4436	---	Non Engraved
3	---	5	10	2025	6Diax12	---	14.2	28.28	42	3327	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
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14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Nil

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

- \* as engraved on the specimens (if any)
- \*\* BS3921 requires average of ten clay brick samples for crushing strength and water absorption
- \*\*\* BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
- \*\*\*\* ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as compressive strength

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

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

Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



**Plain and Reinforced Concrete Laboratory**  
**Civil Engineering Department**  
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 Landline: 042-99029245 & 042-99029202      Mobile: 0307-0496895

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

400  
 Dr. Umbreen

**To:** Mr. Muhammad Ishtiaq  
 Project Manager, Al Areesh Engineering Solutions (Pvt.) Ltd.  
**Project:** Construction of Tanks Top Slab for Tank Replacement Project at Pakpattan Filling Station Pak Pattan.  
 Our Ref. No. CL/CED/ 9831      Dated: 31/10/2025  
 Your Ref. No. AES-MH-UET-003      Dated: 27/10/2025

**Test Specification**  
 ( ASTM C39 )

## COMPRESSION TEST REPORT



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

Specimens received on: **28/10/2025** Tested on: **31/10/2025** 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	Tank Top Slab	20	10	2025	6Diax12	---	14	28.28	34	2693	---	Non Engraved
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Nil

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

- \* as engraved on the specimens (if any)
- \*\* BS3921 requires average of ten clay brick samples for crushing strength and water absorption
- \*\*\* BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
- \*\*\*\* ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as compressive strength

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

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

Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



**Plain and Reinforced Concrete Laboratory**  
**Civil Engineering Department**  
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**ORIGINAL**  
 A carbon copy for the report has been retained in the lab for record.

401  
 Dr. Umbreen

**To:** Mr. Mehmood Iqbal Asghar Cheema  
 Resident Engineer, Metroplan-Asian JV, Site Office Old P&D Tower-A Lahore.

**Project:** Re-Construction of Old P&D Building Tower-A.

**Our Ref. No.** CL/CED/ 9832

**Dated:** 31/10/2025

**Test Specification**

**Your Ref. No.** Metroplan Asian-JV/(Old P&D)/Tower-A/RE-53

**Dated:** 23/10/2025

( ASTM C39 )

## COMPRESSION TEST REPORT



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

**Specimens received on:** 28/10/2025 **Tested on:** 31/10/2025 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	6th Floor Slab (4000 Psi)	25	9	2025	6Diax12	---	13	28.28	74	5861	---	Non Engraved
2	6th Floor Slab (4000 Psi)	25	9	2025	6Diax12	---	13.8	28.28	64	5069	---	Non Engraved
3	6th Floor Slab (4000 Psi)	25	9	2025	6Diax12	---	14.2	28.28	110	8713	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
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15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

**Witnessed by:** Nil

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

- \* as engraved on the specimens (if any)
- \*\* BS3921 requires average of ten clay brick samples for crushing strength and water absorption
- \*\*\* BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
- \*\*\*\* ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as compressive strength

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

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

**Supervisor (Lab)**

**Director/Dy. Director Concrete Laboratory**



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

416  
 Dr. Umbreen

**To:** Engr. Abdul Hayee  
 Project Manager, HS Ideal Tower.

**Project:** Construction of HS Ideal Tower Bahria Town Lahore. (Remaining Retaining Walls & Columns P-1( B.F to G.F) Right Side.

Our Ref. No. CL/CED/ 9833

Dated: 31/10/2025

Test Specification

Your Ref. No. HSIT/2025/23

Dated: 29/10/2025

( ASTM C39 )

## COMPRESSION TEST REPORT



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

Specimens received on: **29/10/2025** Tested on: **31/10/2025** 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	---	30	9	2025	6Diax12	---	13.8	28.28	44	3485	---	Engraved
2	---	30	9	2025	6Diax12	---	13.6	28.28	44	3485	---	Engraved
3	---	30	9	2025	6Diax12	---	14	28.28	46	3644	---	Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
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15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Nil

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

- \* as engraved on the specimens (if any)
- \*\* BS3921 requires average of ten clay brick samples for crushing strength and water absorption
- \*\*\* BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
- \*\*\*\* ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as compressive strength

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

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

Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



**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.

407  
 Dr.Umbreen

**To:** Mr. Muhammad Imran  
 Construction Manager, Ittefaq Building Solutions (Pvt) Ltd.

**Project:** Construction of Mr. Imran Qamar Residence Cantt. Lahore. Phase-III

**Our Ref. No. CL/CED/ 9834**

**Dated: 31/10/2025**

**Test Specification**

**Your Ref. No. Nil**

**Dated: 28/10/2025**

**( BS 1881-116 )**

## COMPRESSION TEST REPORT



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

**Specimens received on:** 28/10/2025 **Tested on:** 31/10/2025 **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 (3500 Psi)	18	10	2025	6x6x6	---	9	36	44	2738	---	Non Engraved
2	First Floor Slab (3500 Psi)	18	10	2025	6x6x6	---	9	36	38	2364	---	Non Engraved
3	First Floor Slab (3500 Psi)	18	10	2025	6x6x6	---	8.8	36	62	3858	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
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14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

**Witnessed by:** Nil

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

- \* as engraved on the specimens (if any)
- \*\* BS3921 requires average of ten clay brick samples for crushing strength and water absorption
- \*\*\* BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
- \*\*\*\* ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as compressive strength

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

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

**Supervisor (Lab)**

**Director/Dy. Director Concrete Laboratory**



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**Civil Engineering Department**  
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**ORIGINAL**  
 A carbon copy for the report has been retained in the lab for record.

407  
 Dr.Umbreen

**To:** Construction Manager  
 Ittefaq Building Solutions (Pvt) Ltd.

**Project:** Construction of House of Mr. Bilal Qadri, 183-D, Model Town, Lahore.

**Our Ref. No.** CL/CED/ 9835

**Dated:** 31/10/2025

**Test Specification**

**Your Ref. No.** Nil

**Dated:** 28/10/2025

( BS 1881-116 )

## COMPRESSION TEST REPORT



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

**Specimens received on:** 28/10/2025 **Tested on:** 31/10/2025 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	Basement Slab (3000 Psi)	19	10	2025	6x6x6	---	8.8	36	42	2613	---	Non Engraved
2	Basement Slab (3000 Psi)	19	10	2025	6x6x6	---	8.6	36	44	2738	---	Non Engraved
3	Basement Slab (3000 Psi)	19	10	2025	6x6x6	---	8.6	36	42	2613	---	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-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
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**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**  
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**ORIGINAL**  
 A carbon copy for the report has been retained in the lab for record.

407  
 Dr.Umbreen

**To:** Mr. Muhammad Imran  
 Construction Manager, Ittefaq Building Solutions (Pvt) Ltd.

**Project:** Construction of Mr. Imran Qamar Residence Cantt. Lahore. Phase III.

**Our Ref. No.** CL/CED/ 9836

**Dated:** 31/10/2025

**Test Specification**

**Your Ref. No.** Nil

**Dated:** 28/10/2025

( BS 1881-116 )

## COMPRESSION TEST REPORT



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

**Specimens received on:** 28/10/2025 **Tested on:** 31/10/2025 **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 Column (3500 Psi)	26	9	2025	6x6x6	---	8.8	36	44	2738	---	Non Engraved
2	First Floor Column (3500 Psi)	26	9	2025	6x6x6	---	8.2	36	42	2613	---	Non Engraved
3	First Floor Column (3500 Psi)	26	9	2025	6x6x6	---	8.4	36	44	2738	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
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13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

**Witnessed by:** Nil

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

- \* as engraved on the specimens (if any)
- \*\* BS3921 requires average of ten clay brick samples for crushing strength and water absorption
- \*\*\* BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
- \*\*\*\* ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as compressive strength

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

- 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.

403  
 Dr. Umbreen

**To:** Mr. Ali Raza  
 Site Engineer, Pak Diamond Vista

**Project:** Nil

**Our Ref. No. CL/CED/ 9837**

**Dated: 31/10/2025**

**Test Specification**

**Your Ref. No. Nil**

**Dated: 28/10/2025**

**( BS 1881-116 )**

## COMPRESSION TEST REPORT



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

**Specimens received on:** 28/10/2025 **Tested on:** 31/10/2025 **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 (Upper Pool) (3000 Psi)	21	10	2025	6x6x6	---	8.6	36	26	1618	---	Non Engraved
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

**Witnessed by:** Nil

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

- \* as engraved on the specimens (if any)
- \*\* BS3921 requires average of ten clay brick samples for crushing strength and water absorption
- \*\*\* BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
- \*\*\*\* AC1318-08 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.

425  
 Dr. Umbreen

**To:** Engr. M. Rashid  
 Project Manager, Husnain Kareemain.

**Project:** Construction of Lahore Grammer School 308-C Johar Town Lahore.

**Our Ref. No. CL/CED/ 9838**

**Dated: 31/10/2025**

**Test Specification**

**Your Ref. No. Nil**

**Dated: 28/10/2025**

**( BS 1881-116 )**

## COMPRESSION TEST REPORT



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

**Specimens received on:** 30/10/2025 **Tested on:** 31/10/2025 **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	3750 Psi	21	10	2025	6x6x6	---	8.4	36	44	2738	---	Non Engraved
2	3750 Psi	21	10	2025	6x6x6	---	8.2	36	54	3360	---	Non Engraved
3	3750 Psi	21	10	2025	6x6x6	---	8.4	36	54	3360	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
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10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

**Witnessed by: Nil**

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

- \* as engraved on the specimens (if any)
- \*\* BS3921 requires average of ten clay brick samples for crushing strength and water absorption
- \*\*\* BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
- \*\*\*\* AC1318-08 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.

402  
 Dr. Umbreen

**To:** Engr. M. Suleman Siddiqui  
 Sr. Assistant Director ES (Civil), Divisional Engineer, ES (Civil). Pakistan Airports Authority, Lahore.

**Project:** Provision of Ambulance Bay at Ground Floor of Car Parking AllAP, Lahore.

**Our Ref. No.** CL/CED/ 9839

**Dated:** 31/10/2025

**Test Specification**

**Your Ref. No.** AllAP/1659-01/106/LACV/IV

**Dated:** 24/10/2025

( BS 1881-116 )

## COMPRESSION TEST REPORT



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

**Specimens received on:** 28/10/2025 **Tested on:** 31/10/2025 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)	15	9	2025	6x6x6	---	8.6	36	56	3484	---	Engraved
2	(1:2:4)	15	9	2025	6x6x6	---	8.6	36	52	3236	---	Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

**Witnessed by:** Nil

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

- \* as engraved on the specimens (if any)
- \*\* BS3921 requires average of ten clay brick samples for crushing strength and water absorption
- \*\*\* BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
- \*\*\*\* AC1318-08 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**  
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 Landline: 042-99029245 & 042-99029202      Mobile: 0307-0496895

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

424  
 Dr.Umbreen

**To:** Mr. Muhammad Akram  
 Client Project Engineer, Ravi Builders (Pvt.) Limited.

**Project:** Production Hall Extension at Orient Ceramica Factory M3 Industrial City Faisalabad.

**Our Ref. No. CL/CED/ 9840**

**Dated: 31/10/2025**

**Test Specification**

**Your Ref. No. Nil**

**Dated: Nil**

**( BS 1881-116 )**

## COMPRESSION TEST REPORT



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

**Specimens received on:** 30/10/2025 **Tested on:** 31/10/2025 **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	3750 Psi	21	10	2025	6x6x6	---	8.6	36	80	4978	---	Non Engraved
2	3750 Psi	21	10	2025	6x6x6	---	8.4	36	84	5227	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

**Witnessed by: Nil**

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

- \* as engraved on the specimens (if any)
- \*\* BS3921 requires average of ten clay brick samples for crushing strength and water absorption
- \*\*\* BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
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**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)**

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