



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.

151
 Engr. A. Rehman

To: Engr. Aziz ur Rehman
 Resident Engineer/ER, On the behalf of ACE-Arts, NET ZERO Energy Building (ACEIP,DLI-8) Lhr
Project: Resident Construction Supervision for Construction of NET ZERO Energy Building (ACEIP, DLI-8) Lahore (6th Floor Columns & Shear Wall)
 Our Ref. No. CL/CED/ 9462 Dated: 16/9/2025
 Your Ref. No. NZEB/ACE/LAB/2025/65 Dated: 15/9/2025

Test Specification
 (ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 16/9/2025 Tested on: 16/9/2025 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	Lab Cured (5000 Psi)	18	8	2025	6Diax12	---	14.6	28.28	81	6416	---	Non Engraved
2	Lab Cured (5000 Psi)	18	8	2025	6Diax12	---	14	28.28	79	6257	---	Non Engraved
3	Lab Cured (5000 Psi)	18	8	2025	6Diax12	---	14	28.28	74	5861	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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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



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ORIGINAL
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141
 Engr. A. Rehman

To: Project Manager
SUNSHINE HEALTHCARE PRIVATE LIMITED

Project: SUNSHINE MEDICAL TOWER SHAHDRA

Our Ref. No. CL/CED/ 9463

Your Ref. No. Nil

Dated: 16/9/2025 **Test Specification**

Dated: 11/09/2025 **(ASTM C39)**

COMPRESSION TEST REPORT



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

Specimens received on: **11/9/2025** Tested on: **16/9/2025** 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 Water Dipped	10	8	2025	6Diax12	---	14	28.28	66	5228	---	Engraved
2	Slab Water Dipped	10	8	2025	6Diax12	---	13.2	28.28	59	4673	---	Engraved
3	Slab Field Curing	10	8	2025	6Diax12	---	13.4	28.28	54	4277	---	Engraved
4	Slab Field Curing	10	8	2025	6Diax12	---	13.2	28.28	62	4911	---	Engraved
5	Wall Water Dipped	12	8	2025	6Diax12	---	13	28.28	73	5782	---	Engraved
6	Wall Water Dipped	12	8	2025	6Diax12	---	13	28.28	74	5861	---	Engraved
7	Wall Field Curing	12	8	2025	6Diax12	---	13.2	28.28	78	6178	---	Engraved
8	Slab Water Dipped	4	9	2025	6Diax12	---	13.8	28.28	54	4277	---	Engraved
9	Slab Water Dipped	4	9	2025	6Diax12	---	13.8	28.28	45	3564	---	Engraved
10	Slab Field Curing	4	9	2025	6Diax12	---	13.6	28.28	55	4356	---	Engraved
11	Slab Field Curing	4	9	2025	6Diax12	---	13.4	28.28	57	4515	---	Engraved
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Witnessed by:

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

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- ** 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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Director/Dy. Director Concrete Laboratory



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ORIGINAL
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129
 Engr. A. Rehman

To: Mr. Anwar ul Haq
 Project Manager, IKAN Engineering Services Pvt. Ltd

Project: ZONG MSC FSD

Our Ref. No. CL/CED/ 9464

Dated: 16/9/2025

Test Specification

Your Ref. No. FSD-SITE-UET/039

Dated: 09/09/2025

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 9/9/2025 **Tested on:** 16/9/2025 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	GF/ST/L2	11	8	2025	6Diax12	---	13.8	28.28	48	3802	---	Engraved
2	GF/ST/L2	11	8	2025	6Diax12	---	14	28.28	47	3723	---	Engraved
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Witnessed by: Mr. Naeem Yaseen, CNIC 35202-2670505-7

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

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

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

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Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



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Civil Engineering Department
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129
Engr. A. Rehman

To: Mr. Anwar ul Haq
Project Manager, IKAN Engineering Services Pvt. Ltd

Project: ZONG MSC FSD

Our Ref. No. CL/CED/ 9465

Dated: 16/9/2025

Test Specification

Your Ref. No. FSD-SITE-UET/040

Dated: 09/09/2025

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 9/9/2025 Tested on: 16/9/2025 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	SW/COL	11	8	2025	6Diax12	---	13.4	28.28	56	4436	---	Engraved
2	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Naeem Yaseen, CNIC 35202-2670505-7

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)
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 Engr. A. Rehman

To: Mr. Anwar ul Haq
 Project Manager, IKAN Engineering Services Pvt. Ltd

Project: ZONG MSC FSD

Our Ref. No. CL/CED/ 9466

Dated: 16/9/2025

Test Specification

Your Ref. No. FSD-SITE-UET/041

Dated: 09/09/2025

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 9/9/2025 Tested on: 16/9/2025 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	SW/COL	11	8	2025	6Diax12	---	13.6	28.28	72	5703	---	Engraved
2	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Naeem Yaseen, CNIC 35202-2670505-7

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

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120
Engr. A. Rehman

To: Mr. Anwar ul Haq
Project Manager, IKAN Engineering Services Pvt. Ltd

Project: ZONG MSC FSD

Our Ref. No. CL/CED/ 9467

Dated: 16/9/2025

Test Specification

Your Ref. No. IKAN-FSD-SITE-UET/039

Dated: 08/09/2025

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 8/9/2025 Tested on: 16/9/2025 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	GF/ST/L2 (3000 Psi)	11	8	2025	6Diax12	---	13	28.28	53	4198	---	Non Engraved
2	GF/ST/L2 (3000 Psi)	11	8	2025	6Diax12	---	13	28.28	62	4911	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Naeem Yaseen, CNIC 35202-2670505-7

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 Engr. A. Rehman

To: **Mr. Anwar ul Haq**
 Project Manager, IKAN Engineering Services Pvt. Ltd

Project: **ZONG MSC FSD**

Our Ref. No. **CL/CED/ 9468**

Dated: **16/9/2025**

Test Specification

Your Ref. No. **IKAN-FSD-SITE-UET/040**

Dated: **08/09/2025**

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: **8/9/2025** Tested on: **16/9/2025** 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	SW/COL (3000 Psi)	11	8	2025	6Diax12	---	13	28.28	52	4119	---	Non Engraved
2	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: **Naeem Yaseen, CNIC 35202-2670505-7**

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Engr. A. Rehman

To: Mr. Anwar ul Haq
Project Manager, IKAN Engineering Services Pvt. Ltd

Project: ZONG MSC FSD

Our Ref. No. CL/CED/ 9469

Dated: 16/9/2025

Test Specification

Your Ref. No. IKAN-FSD-SITE-UET/041

Dated: 08/09/2025

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 8/9/2025 Tested on: 16/9/2025 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	SW/COL (3000 Psi)	11	8	2025	6Diax12	---	13	28.28	74	5861	---	Non Engraved
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3	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Naeem Yaseen, CNIC 35202-2670505-7

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