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.

7556
Dr. Rizwan Azam

To: Engr. Haseeb Afzal
Project Manager, HMB Developers Pvt. Ltd.

Project: Construction of Commercial Tower, FTC Lahore.

Our Ref. No. CL/CED/ 5536 **Dated: 15-08-24**

Your Ref. No. HMBDPL/S.O/08/24/121 (LHR) **Dated: 05-08-24**

Test Specification
(BS 3921)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 06-08-24 **Tested on:** 15-08-24 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	005	---	---	---	8.8 x 4.2 x 3	3530	3160	36.96	42	2545	11.71	---
2	005	---	---	---	8.6 x 4.1 x 2.9	3580	3225	35.26	48	3049	11.01	---
3	005	---	---	---	8.6 x 4 x 3	3600	3310	34.4	46	2995	8.76	---
4	005	---	---	---	8.8 x 4.1 x 3	3630	3285	36.08	44	2732	10.5	---
5	005	---	---	---	8.5 x 4 x 3	3550	3220	34	44	2899	10.25	---
6	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by:

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

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

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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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.

7616
Dr. Umbreen

To: **Mr. Khalid Bashir**
Ittefaq Building Solutions Pvt. Ltd.

Project: Construction of Allied Bank Building 185-CC4 DHA T Sector Phase-7, Lahore.

Our Ref. No. CL/CED/ 5537 **Dated: 15-08-24**

Your Ref. No. IBS/LBS-UOL/01 **Dated: 12-08-24**

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 15-08-24 Tested on: 15-08-24 in dry/wet condition

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	Retaining Wall (4000 Psi)	29	6	2024	6Diax12	---	13	28.28	66	5228	---	Non Engraved
2	Retaining Wall (4000 Psi)	29	6	2024	6Diax12	---	13.6	28.28	83	6574	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Nil

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

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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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7616
Dr. Umbreen

To: **Mr. Khalid Bashir**
Ittefaq Building Solutions Pvt. Ltd.

Project: Construction of Allied Bank Building 185-CC4 DHA T Sector Phase-7, Lahore.

Our Ref. No. CL/CED/ 5538 **Dated: 15-08-24**

Your Ref. No. IBS/LBS-UOL/01 **Dated: 12-08-24**

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 15-08-24 Tested on: 15-08-24 in dry/wet condition

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	Retaining Wall (4000 Psi)	29	6	2024	6Diax12	---	14	28.28	56	4436	---	Non Engraved
2	Retaining Wall (4000 Psi)	29	6	2024	6Diax12	---	13.4	28.28	64	5069	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Nil

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

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

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

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

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7616
Dr. Umbreen

To: **Mr. Khalid Bashir**
Ittefaq Building Solutions Pvt. Ltd.

Project: Construction of Allied Bank Building 185-CC4 DHA T Sector Phase-7, Lahore.

Our Ref. No. CL/CED/ 5539 **Dated: 15-08-24**

Your Ref. No. IBS/LBS-UOL/01 **Dated: 12-08-24**

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 15-08-24 Tested on: 15-08-24 in dry/wet condition

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	Retaining Wall (4000 Psi)	2	7	2024	6Diax12	---	13.2	28.28	70	5545	---	Non Engraved
2	Retaining Wall (4000 Psi)	2	7	2024	6Diax12	---	13.6	28.28	68	5386	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Nil

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

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

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

1.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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Dr. Umbreen

To: **Mr. Khalid Bashir**
Ittefaq Building Solutions Pvt. Ltd.

Project: Construction of Allied Bank Building 185-CC4 DHA T Sector Phase-7, Lahore.

Our Ref. No. CL/CED/ 5540 **Dated: 15-08-24**

Your Ref. No. IBS/LBS-UOL/01 **Dated: 12-08-24**

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 15-08-24 Tested on: 15-08-24 in dry/wet condition

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	Retaining Wall (4000 Psi)	2	7	2024	6Diax12	---	14	28.28	58	4594	---	Non Engraved
2	Retaining Wall (4000 Psi)	2	7	2024	6Diax12	---	13	28.28	68	5386	---	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/

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

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1.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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ORIGINAL
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7594
Dr. Umbreen

To: Ittefaq Building Solutions (Pvt.) Ltd.
189,190, Commercial Area , Airline Society, Khiyaban-e-Jinnah Lahore.

Project: Construction of Learning Alliance School (Grid 01,06,07 Line D to G, Grid 01 to 07 Line D1, E, F1, G)

Our Ref. No. CL/CED/ 5541 **Dated:** 15-08-24 **Test Specification**

Your Ref. No. Nil **Dated:** 12-08-24 (ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 12-08-24 **Tested on:** 15-08-24 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	Slab Beams (3000 Psi)	28	7	2024	6Diax12	---	14	28.28	40	3168	---	Non Engraved
2	Slab Beams (3000 Psi)	28	7	2024	6Diax12	---	13	28.28	34	2693	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Nil

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

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

1.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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7594
Dr. Umbreen

To: Ittefaq Building Solutions (Pvt.) Ltd.
189,190, Commercial Area , Airline Society, Khiyaban-e-Jinnah Lahore.

Project: Construction of Learning Alliance School (Cafeteria Part (B))

Our Ref. No. CL/CED/ 5542 **Dated: 15-08-24** **Test Specification**

Your Ref. No. Nil **Dated: 12-08-24** **(ASTM C39)**

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 12-08-24 **Tested on:** 15-08-24 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	Roof Slab Screeding (3k Psi)	28	7	2024	6Diax12	---	13	28.28	24	1901	---	Non Engraved
2	Roof Slab Screeding (3k Psi)	28	7	2024	6Diax12	---	14	28.28	38	3010	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Nil

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

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
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Note: Above results pertain to the unsealed samples supplied to the laboratory

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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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7594
Dr. Umbreen

To: **Ittefaq Building Solutions (Pvt.) Ltd.**
189,190, Commercial Area , Airline Society, Khiyaban-e-Jinnah Lahore.

Project: Construction of Learning Alliance School (Cafeteria Part (A))

Our Ref. No. CL/CED/ 5543 **Dated: 15-08-24** **Test Specification**

Your Ref. No. Nil **Dated: 12-08-24** **(ASTM C39)**

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 12-08-24 **Tested on:** 15-08-24 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	Roof Slab Screeding (3k Psi)	30	7	2024	6Diax12	---	14	28.28	36	2851	---	Non Engraved
2	Roof Slab Screeding (3k Psi)	30	7	2024	6Diax12	---	13.6	28.28	32	2535	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Nil

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

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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.

7594
Dr. Umbreen

To: Ittefaq Building Solutions (Pvt.) Ltd.
189,190, Commercial Area , Airline Society, Khiyaban-e-Jinnah Lahore.

Project: Construction of Learning Alliance School (Grid 01, 06, 07 Line A to D, Grid 01 to 07 Line A1, C, C1,D)

Our Ref. No. CL/CED/ 5544 **Dated:** 15-08-24 **Test Specification**

Your Ref. No. Nil **Dated:** 12-08-24 **(ASTM C39)**

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 12-08-24 **Tested on:** 15-08-24 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	Slab Beams (3000 Psi)	1	8	2024	6Diax12	---	14	28.28	34	2693	---	Non Engraved
2	Slab Beams (3000 Psi)	1	8	2024	6Diax12	---	13	28.28	28	2218	---	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/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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.

7564
Dr. Umbreen

To: Mr. Saeed Ahmad
ARE PCP Package-V, MMP/AiD Consultants. (MM Pakistan Pvt. Ltd.)

Project: Comprehensive Sewerage System in Khanewal City Rs. 967.90 Million under Punjab Cities Program. (M/S Al Shan Construction Company)

Our Ref. No. CL/CED/ 5545 Dated: 15-08-24

Your Ref. No. PCP/KWL-141/2024 Dated: 11-07-24

Test Specification (ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 07-08-24 Tested on: 15-08-24 in dry/wet condition

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	(1:2:4)	11	6	2024	6Diax12	---	13	28.28	40	3168	---	Engraved
2	(1:2:4)	11	6	2024	6Diax12	---	13.2	28.28	62	4911	---	Engraved
3	(1:2:4)	11	6	2024	6Diax12	---	12.6	28.28	60	4752	---	Engraved
4	(1:2:4)	12	6	2024	6Diax12	---	13.4	28.28	34	2693	---	Engraved
5	(1:2:4)	12	6	2024	6Diax12	---	13.4	28.28	54	4277	---	Engraved
6	(1:2:4)	12	6	2024	6Diax12	---	13	28.28	34	2693	---	Engraved
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Nil

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

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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.

7613
Dr. Umbreen

To: **Mr. Shahzad Munir**
Resident Engineer, G3 Engineering Consultants (Pvt.) Ltd.

Project: Consultancy Services for Master Planning Designing and Resident type Supervision of the Scheme Strengthening of University of Narowal. (IHS Building-Portion D)

Our Ref. No. CL/CED/ 5546 **Dated: 15-08-24** **Test Specification**

Your Ref. No. G3/237/RE/261 **Dated: 30-07-24** **(ASTM C39)**

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 13-08-24 **Tested on:** 15-08-24 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	GF Column (4000 Psi)	4	6	2024	6Diax12	---	13	28.28	46	3644	---	Engraved
2	GF Column (4000 Psi)	4	6	2024	6Diax12	---	14	28.28	54	4277	---	Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Nil

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

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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.

7613
Dr. Umbreen

To: **Mr. Shahzad Munir**
Resident Engineer, G3 Engineering Consultants (Pvt.) Ltd.

Project: Consultancy Services for Master Planning Designing and Resident type Supervision of the Scheme Strengthening of University of Narowal. (IHS Building-Portion B)

Our Ref. No. CL/CED/ 5547 **Dated: 15-08-24** **Test Specification**

Your Ref. No. G3/237/RE/257 **Dated: 30-07-24** **(ASTM C39)**

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 13-08-24 **Tested on:** 15-08-24 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	GF Column (4000 Psi)	29	4	2024	6Diax12	---	14.6	28.28	44	3485	---	Engraved
2	GF Column (4000 Psi)	29	4	2024	6Diax12	---	13.6	28.28	43	3406	---	Engraved
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Witnessed by: Nil

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

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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.

7613
Dr. Umbreen

To: **Mr. Shahzad Munir**
Resident Engineer, G3 Engineering Consultants (Pvt.) Ltd.

Project: Consultancy Services for Master Planning Designing and Resident type Supervision of the Scheme Strengthening of University of Narowal. (IHS Building-Portion A)

Our Ref. No. CL/CED/ 5548 **Dated: 15-08-24** **Test Specification**

Your Ref. No. G3/237/RE/258 **Dated: 30-07-24** **(ASTM C39)**

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 13-08-24 **Tested on:** 15-08-24 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	GF Column (4000 Psi)	30	4	2024	6Diax12	---	15	28.28	70	5545	---	Engraved
2	GF Column (4000 Psi)	30	4	2024	6Diax12	---	14	28.28	38	3010	---	Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Nil

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

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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.

7613
Dr. Umbreen

To: **Mr. Shahzad Munir**
Resident Engineer, G3 Engineering Consultants (Pvt.) Ltd.

Project: Consultancy Services for Master Planning Designing and Resident type Supervision of the Scheme Strengthening of University of Narowal. (IHS Building)

Our Ref. No. CL/CED/ 5549 **Dated: 15-08-24** **Test Specification**

Your Ref. No. G3/237/RE/ **Dated: 30-07-24** **(ASTM C39)**

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 13-08-24 **Tested on:** 15-08-24 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	Plinth Beam (4000 Psi)	8	5	2024	6Diax12	---	13.4	28.28	46	3644	---	Engraved
2	Plinth Beam (4000 Psi)	8	5	2024	6Diax12	---	14	28.28	52	4119	---	Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Nil

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

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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.

7613
Dr. Umbreen

To: Mr. Shahzad Munir
Resident Engineer, G3 Engineering Consultants (Pvt.) Ltd.

Project: Consultancy Services for Master Plannings Designing and Resident type Supervision of the Scheme Strengthening of University of Narowal. (IHS Building, Portion C)

Our Ref. No. CL/CED/ 5550 Dated: 15-08-24 **Test Specification**

Your Ref. No. G3/237/RE/259 Dated: 30-07-24 (ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 13-08-24 **Tested on:** 15-08-24 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	GF Column (4000 Psi)	25	5	2024	6Diax12	---	13.2	28.28	54	4277	---	Engraved
2	GF Column (4000 Psi)	25	5	2024	6Diax12	---	13.4	28.28	44	3485	---	Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Nil

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

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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.

7613
Dr. Umbreen

To: **Mr. Shahzad Munir**
Resident Engineer, G3 Engineering Consultants (Pvt.) Ltd.

Project: Consultancy Services for Master Planning Designing and Resident type Supervision of the Scheme Strengthening of University of Narowal. (IHS Building, Portion B)

Our Ref. No. CL/CED/ 5551 **Dated: 15-08-24**

Your Ref. No. G3/237/RE/260 **Dated: 30-07-24**

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 13-08-24 **Tested on:** 15-08-24 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	GF Roof Slab With Stairs (3 Ksi)	28	5	2024	6Diax12	---	14	28.28	68	5386	---	Engraved
2	GF Roof Slab With Stairs (3 Ksi)	28	5	2024	6Diax12	---	14	28.28	34	2693	---	Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
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15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Nil

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

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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.

7613
Dr. Umbreen

To: **Mr. Shahzad Munir**
Resident Engineer, G3 Engineering Consultants (Pvt.) Ltd.

Project: Consultancy Services for Master Planning Designing and Resident type Supervision of the Scheme Strengthening of University of Narowal. (IHS Building, Portion A)

Our Ref. No. CL/CED/ 5552 **Dated: 15-08-24** **Test Specification**

Your Ref. No. G3/237/RE/262 **Dated: 30-07-24** **(ASTM C39)**

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 13-08-24 **Tested on:** 15-08-24 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	GF Roof Slab With Stairs (3 Ksi)	6	6	2024	6Diax12	---	13.4	28.28	36	2851	---	Engraved
2	GF Roof Slab With Stairs (3 Ksi)	6	6	2024	6Diax12	---	13	28.28	46	3644	---	Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Nil

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

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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.

7573
Dr. Umbreen

To: Mr. Farrukh Jamal
Projects Manager, UNICON Consultig Services (Pvt.) Ltd.

Project: Construction of Bank of Punjab Building at C-Block, Model Town, Lahore.

Our Ref. No. CL/CED/ 5553 Dated: 15-08-24

Your Ref. No. Nil Dated: 07-08-24

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 08-08-24 Tested on: 15-08-24 in dry/wet condition

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	(3750 Psi)	16	7	2024	6Diax12	---	13	28.28	43	3406	---	Engraved
2	(3750 Psi)	16	7	2024	6Diax12	---	13.2	28.28	36	2851	---	Engraved
3	(3750 Psi)	16	7	2024	6Diax12	---	13	28.28	40	3168	---	Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Nil

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

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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.

7573
Dr. Umbreen

To: **Mr. Farrukh Jamal**
Projects Manager, UNICON Consultig Services (Pvt.) Ltd.

Project: Construction of Bank of Punjab Building at C-Block, Model Town, Lahore.

Our Ref. No. CL/CED/ 5554 **Dated: 15-08-24**

Your Ref. No. Nil **Dated: 07-08-24**

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 08-08-24 **Tested on:** 15-08-24 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	(3750 Psi)	30	6	2024	6Diax12	---	13.6	28.28	62	4911	---	Non Engraved
2	(3750 Psi)	30	6	2024	6Diax12	---	13.6	28.28	56	4436	---	Non Engraved
3	(3750 Psi)	30	6	2024	6Diax12	---	13.4	28.28	64	5069	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Nil

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

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

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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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.

7573
Dr. Umbreen

To: **Mr. Farrukh Jamal**
Projects Manager, UNICON Consultig Services (Pvt.) Ltd.

Project: Construction of Bank of Punjab Building at C-Block, Model Town, Lahore.

Our Ref. No. CL/CED/ 5555 **Dated: 15-08-24**

Your Ref. No. Nil **Dated: 07-08-24**

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 08-08-24 **Tested on:** 15-08-24 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	(2500 Psi)	30	6	2024	6Diax12	---	14	28.28	56	4436	---	Non Engraved
2	(2500 Psi)	30	6	2024	6Diax12	---	13.6	28.28	64	5069	---	Non Engraved
3	(2500 Psi)	30	6	2024	6Diax12	---	13.2	28.28	58	4594	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Nil

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

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

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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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.

7559
Dr. Umbreen

To: **Mr. Muhammad Ehtesham Uddin**
Project Manager, Optimedia Private Limited.

Project: Construction of Building at Ferozepur Road Lahore.

Our Ref. No. CL/CED/ 5556 **Dated: 15-08-24**

Your Ref. No. Nil **Dated: 05-08-24**

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 06-08-24 **Tested on:** 15-08-24 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	---	6	7	2024	6Diax12	---	12.4	28.28	43	3406	---	Non Engraved
2	---	6	7	2024	6Diax12	---	12.4	28.28	46	3644	---	Non Engraved
3	---	6	7	2024	6Diax12	---	12.4	28.28	42	3327	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Nil

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

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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.

7582
Dr. Umbreen

To: Mr. Omair Sadiq
Project Manager, One Liberty Mall and H&S Hotel.

Project: Construction of One Liberty and H&S Hotel, Noor Jehan Road Gulberg III, Lahore.

Our Ref. No. CL/CED/ 5557-1 of 2 Dated: 15-08-24

Your Ref. No. OL/OS/2024/16 Dated: 09-08-24

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 09-08-24 Tested on: 15-08-24 in dry/wet condition

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	---	6	3	2024	6Diax12	---	14	28.28	85	6733	---	Non Engraved
2	---	8	3	2024	6Diax12	---	14.2	28.28	87	6891	---	Non Engraved
3	---	9	3	2024	6Diax12	---	13.4	28.28	84	6653	---	Non Engraved
4	---	16	3	2024	6Diax12	---	14	28.28	76	6020	---	Non Engraved
5	---	20	3	2024	6Diax12	---	14	28.28	52	4119	---	Non Engraved
6	---	23	3	2024	6Diax12	---	14	28.28	72	5703	---	Non Engraved
7	---	27	3	2024	6Diax12	---	14	28.28	76	6020	---	Non Engraved
8	---	28	3	2024	6Diax12	---	13.6	28.28	84	6653	---	Non Engraved
9	---	2	4	2024	6Diax12	---	13	28.28	75	5941	---	Non Engraved
10	---	18	4	2024	6Diax12	---	13.6	28.28	74	5861	---	Non Engraved
11	---	28	4	2024	6Diax12	---	13.2	28.28	64	5069	---	Non Engraved
12	---	1	5	2024	6Diax12	---	14	28.28	80	6337	---	Non Engraved
13	---	19	5	2024	6Diax12	---	14	28.28	76	6020	---	Non Engraved
14	---	21	5	2024	6Diax12	---	14.2	28.28	64	5069	---	Non Engraved
15	---	30	5	2024	6Diax12	---	14.2	28.28	70	5545	---	Non Engraved
16	---	7	6	2024	6Diax12	---	13.4	28.28	70	5545	---	Non Engraved

Witnessed by: Mr. Yasir Iqbal

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

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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.

7582
Dr. Umbreen

To: Mr. Omair Sadiq
Project Manager, One Liberty Mall and H&S Hotel.

Project: Construction of One Liberty and H&S Hotel, Noor Jehan Road Gulberg III, Lahore.

Our Ref. No. CL/CED/ 5557-2 of 2 Dated: 15-08-24

Your Ref. No. OL/OS/2024/16 Dated: 09-08-24

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 09-08-24 **Tested on:** 15-08-24 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	---	8	6	2024	6Diax12	---	13.6	28.28	60	4752	---	Non Engraved
2	---	29	6	2024	6Diax12	---	14	28.28	60	4752	---	Non Engraved
3	---	30	6	2024	6Diax12	---	14	28.28	62	4911	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Mr. Yasir Iqbal

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

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

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

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2.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.

7593
Dr. Umbreen

To: Mr. Rameez
Resident Engineer, GIM Developers.

Project: Construction of Plaza at 51 Babar Block, New Garden Town Lahore.

Our Ref. No. CL/CED/ 5558 **Dated:** 15-08-24

Your Ref. No. Nil **Dated:** Nil

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 12-08-24 **Tested on:** 15-08-24 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	Raft Foundation	10	7	2024	6Diax12	---	14	28.28	42	3327	---	Non Engraved
2	Raft Foundation	10	7	2024	6Diax12	---	13.6	28.28	40	3168	---	Non Engraved
3	Raft Foundation	10	7	2024	6Diax12	---	14	28.28	52	4119	---	Non Engraved
4	Raft Foundation	10	7	2024	6Diax12	---	13.6	28.28	21	1663	---	Non Engraved
5	Raft Foundation	10	7	2024	6Diax12	---	12.6	28.28	22	1743	---	Non Engraved
6	Raft Foundation	10	7	2024	6Diax12	---	12.8	28.28	22	1743	---	Non Engraved
7	Raft Foundation	10	7	2024	6Diax12	---	14	28.28	56	4436	---	Non Engraved
8	Raft Foundation	10	7	2024	6Diax12	---	14.2	28.28	50	3960	---	Non Engraved
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
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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/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

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

7593
Dr. Umbreen

To: Mr. Rameez
Resident Engineer, GIM Developers.

Project: Construction of Plaza at 51 Babar Block, New Garden Town Lahore.

Our Ref. No. CL/CED/ 5559 **Dated: 15-08-24**

Your Ref. No. Nil **Dated: Nil**

Test Specification
(BS 1881-116)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 12-08-24 **Tested on:** 15-08-24 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	Raft Foundation	10	7	2024	6x6x6	---	8.6	36	46	2862	---	Non Engraved
2	Raft Foundation	10	7	2024	6x6x6	---	9	36	56	3484	---	Non Engraved
3	Raft Foundation	10	7	2024	6x6x6	---	9	36	66	4107	---	Non Engraved
4	Raft Foundation	10	7	2024	6x6x6	---	9	36	64	3982	---	Non Engraved
5	Raft Foundation	10	7	2024	6x6x6	---	9	36	44	2738	---	Non Engraved
6	Raft Foundation	10	7	2024	6x6x6	---	9	36	54	3360	---	Non Engraved
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Nil

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

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

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

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

7597
Dr. Umbreen

To: Mr. Muhammad Tufail
Construction Team Leader, Lahore Office. Zor Engineers (Pvt.) Ltd.

Project: Construction of School Building-Hamdard Chowk, Lahore. New Hope Christian Ministries.

Our Ref. No. CL/CED/ 5560 **Dated:** 15-08-24

Your Ref. No. 230.45.1/MT/ **Dated:** 12-08-24

Test Specification
(BS 1881-116)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 12-08-24 **Tested on:** 15-08-24 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	1st Floor Slab (1:2:4)	15	7	2024	6x6x6	---	8.6	36	44	2738	---	Engraved
2	1st Floor Slab (1:2:4)	15	7	2024	6x6x6	---	8.6	36	42	2613	---	Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Nil

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

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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.

7604
Dr. Umbreen

To: **Mr. Muhammad Ashraf Khan**
Principal Architect & CEO, ARC TECH Associates.

Project: Nil

Our Ref. No. CL/CED/ 5561 **Dated: 15-08-24** **Test Specification**

Your Ref. No. Nil **Dated: 12-08-24** **(----)**

COMPRESSION TEST REPORT

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

Specimens received on: 13-08-24 **Tested on:** 15-08-24 **in dry/wet condition**

ONLINE REPORT

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	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
1	Solid Block	---	---	---	12x8x8	---	26	96	26	607	---	---
2	Solid Block	---	---	---	12x8x8	---	26.6	96	44	1027	---	---
3	Solid Block	---	---	---	12x8x8	---	27	96	50	1167	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Nil

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