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.

5211
Dr. Umbreen

To: Lt. Col (R) Khalid Mahmood Zia
Resident Engineer (ACE) Arts

Project: Constrcution of Academic Block at GC University Lahore at Kala Shah Kaku. (Contractor: M/S Perk Engineers & Contractor Pvt. Ltd.)

Our Ref. No. CL/CED/ 1873 Dated: 16-05-23 Test Specification

Your Ref. No. RE/PERK/C-17 Dated: 11-05-23 (BS 1881-116)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 15-05-23 Tested on: 15-05-23 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	CF-3 (1:2:4)	1	4	23	6x6x6	---	8.4	36	71	4418	---	Non Engraved
2	CF-3 (1:2:4)	1	4	23	6x6x6	---	8.4	36	73	4542	---	Non Engraved
3	CF-4 (1:2:4)	3	4	23	6x6x6	---	8.4	36	43	2676	---	Non Engraved
4	CF-4 (1:2:4)	3	4	23	6x6x6	---	8.2	36	53	3298	---	Non Engraved
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**

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ORIGINAL
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5211
Dr. Umbreen

To: Lt. Col (R) Khalid Mahmood Zia
Resident Engineer (ACE) Arts

Project: Constrcution of Academic Block at GC University Lahore, at Kala Shah Kaku. (Contractor: M/S Perk Engineers & Contractor Pvt. Ltd.)

Our Ref. No. CL/CED/ 1874 Dated: 16-05-23 Test Specification

Your Ref. No. RE/PERK/C-18 Dated: 12-05-23 (BS 1881-116)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 15-05-23 **Tested on:** 15-05-23 **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	F-10 (1:2:4)	13	4	23	6x6x6	---	8.4	36	71	4418	---	Non Engraved
2	F-10 (1:2:4)	13	4	23	6x6x6	---	8	36	49	3049	---	Non Engraved
3	CF-6 (1:2:4)	13	4	23	6x6x6	---	8.4	36	71	4418	---	Non Engraved
4	CF-6 (1:2:4)	13	4	23	6x6x6	---	8.4	36	73	4542	---	Non Engraved
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
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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
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ORIGINAL
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5211
Dr. Umbreen

To: Lt. Col (R) Khalid Mahmood Zia
Resident Engineer (ACE) Arts

Project: Constrcution of Academic Block at GC University Lahore, at Kala Shah Kaku. (Contractor: M/S Perk Engineers & Contractor Pvt. Ltd.)

Our Ref. No. CL/CED/ 1875 Dated: 16-05-23 Test Specification

Your Ref. No. RE/PERK/C-19 Dated: 12-05-23 (BS 1881-116)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 15-05-23 **Tested on:** 15-05-23 **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	F-2 (1:2:4)	17	4	23	6x6x6	---	8.6	36	73	4542	---	Engraved
2	F-2 (1:2:4)	17	4	23	6x6x6	---	8.4	36	69	4293	---	Engraved
3	CF-4 (1:2:4)	17	4	23	6x6x6	---	8.4	36	67	4169	---	Engraved
4	CF-4 (1:2:4)	17	4	23	6x6x6	---	8.4	36	69	4293	---	Engraved
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
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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.

5212
Dr. Umbreen

To: Project Manager
Baig Construction

Project: Construction of Jinnah Squair Mall, Khyaban e Jinnah Road, Lahore.

Our Ref. No. CL/CED/ 1876 Dated: 16-05-23 Test Specification

Your Ref. No. CBT/UET/08 Dated: 15-05-23 (ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 15-05-23 **Tested on:** 15-05-23 **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 (3750 psi)	11	4	2023	6Diax12	---	13.6	28.28	73	5782	---	Non Engraved
2	Raft (3750 psi)	11	4	2023	6Diax12	---	13	28.28	47	3723	---	Non Engraved
3	Raft (3750 psi)	11	4	2023	6Diax12	---	13.4	28.28	71	5624	---	Non Engraved
4	Raft (3750 psi)	11	4	2023	6Diax12	---	14	28.28	45	3564	---	Non Engraved
5	Raft (3750 psi)	11	4	2023	6Diax12	---	13.4	28.28	73	5782	---	Non Engraved
6	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Mr. M. Yaseen Khan, CNIC # 16102-7094244-7

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.

5174
Dr. Umbreen

To: Eng. Ahmad Ramzan, Manager Construction
Plan & Built (Pvt) Ltd

Project: Constrcution of Bajuar Height at Meclord Road Lahore.

Our Ref. No. CL/CED/ 1877 **Dated: 16-05-23**

Your Ref. No. Nil **Dated: 04-05-23**

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 04-05-23 Tested on: 09-05-23 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	3000 psi	7	4	2023	6Diax12	---	14	28.28	51	4040	---	Non Engraved
2	3000 psi	7	4	2023	6Diax12	---	14	28.28	65	5149	---	Non Engraved
3	3000 psi	7	4	2023	6Diax12	---	13.6	28.28	63	4990	---	Non Engraved
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.

Supervisor (Lab) **Director/Dy. Director Concrete Laboratory**

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ORIGINAL
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5174
Dr. Umbreen

To: Eng. Ahmad Ramzan, Manager Construction
Plan & Built (Pvt) Ltd

Project: Constrcution of Bajuar Height at Meclord Road Lahore.

Our Ref. No. CL/CED/ 1878 **Dated: 16-05-23** **Test Specification**

Your Ref. No. Nil **Dated: 04-05-23** **(ASTM C39)**

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 04-05-23 Tested on: 09-05-23 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	3000 psi	18	4	2023	6Diax12	---	13.4	28.28	63	4990	---	Non Engraved
2	3000 psi	18	4	2023	6Diax12	---	13	28.28	57	4515	---	Non Engraved
3	3000 psi	18	4	2023	6Diax12	---	12.6	28.28	15	1188	---	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**

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

5193
Dr. Umbreen

To: Mr. Muhammad Irfan, Material Engineer
Banu Mukhtar Contracting (Pvt) Ltd.

Project: Burj-1 by Ajwa Builders

Our Ref. No. CL/CED/ 1879 Dated: 16-05-23 Test Specification

Your Ref. No. DOC-BMC/AJWA/058 Dated: 08-05-23 (ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 09-05-23 **Tested on:** 15-05-23 **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	Main Building G.F (6000 Psi)	10	4	2023	6Diax12	---	14.2	28.28	134	10614	---	Non Engraved
2	Main Building G.F (6000 Psi)	10	4	2023	6Diax12	---	14	28.28	120	9505	---	Non Engraved
3	Main Building G.F (6000 Psi)	10	4	2023	6Diax12	---	13.6	28.28	100	7921	---	Non 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 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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Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

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

5193
Dr. Umbreen

To: Mr. Muhammad Irfan, Material Engineer
Banu Mukhtar Contracting (Pvt) Ltd

Project: Burj-1 by Ajwa Builders

Our Ref. No. CL/CED/ 1880 Dated: 16-05-23

Your Ref. No. DOC-BMC/AJWA/057 Dated: 08-05-23

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 09-05-23 Tested on: 15-05-23 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	Main Building G.F (6000 Psi)	8	4	2023	6Diax12	---	14	28.28	134	10614	---	Non Engraved
2	Main Building G.F (6000 Psi)	8	4	2023	6Diax12	---	14	28.28	110	8713	---	Non Engraved
3	Main Building G.F (6000 Psi)	8	4	2023	6Diax12	---	14	28.28	120	9505	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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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 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.

5206
Dr. M. Yousaf

To: **PRO-CON**
New Airport Road, Lahore Cantt.

Project: Nil

Our Ref. No. CL/CED/ 1881 **Dated: 16-05-23** **Test Specification**

Your Ref. No. Nil **Dated: 15-05-23** **(ASTM C39)**

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 15-05-23 Tested on: 16-05-23 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	3000 Psi	11	4	2023	6Diax12	---	13.2	28.28	62	4911	---	Non Engraved
2	3000 Psi	11	4	2023	6Diax12	---	14	28.28	83	6574	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---					---	---	---	---	---	---	---

Witnessed by: Mr. M. Shahid, CNIC # 35202-7701085-7

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.

5204
Dr. Umbreen

To: **Engr's. Abdul Waheed**
Project Manager, OZ DEVELOPERS (Pvt) Ltd.

Project: Constructing a High-Rise Building "Bahria Sky" at Bahria Orchard, Phase 4, Lahore.

Our Ref. No. CL/CED/ 1882 **Dated: 16-05-23**

Your Ref. No. Nil **Dated: 09-05-23**

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 09-05-23 Tested on: 15-05-23 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	---	14	4	2023	6Diax12	---	14	28.28	51	4040	---	Non Engraved
2	---	14	4	2023	6Diax12	---	14	28.28	63	4990	---	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 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.

5183
Dr. Umbreen

To: Mr. Muhammad Irfan, Material Engineer
Banu Mukhtar Contracting (Pvt) Ltd.

Project: Burj-1 by Ajwa Builders

Our Ref. No. CL/CED/ 1883 Dated: 16-05-23 Test Specification

Your Ref. No. DOC-BMC/AJWA/054 Dated: 05-05-23 (ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 05-05-23 **Tested on:** 15-05-23 **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	Main Building G.F (6000 Psi)	5	4	2023	6Diax12	---	14	28.28	136	10772	---	Non Engraved
2	Main Building G.F (6000 Psi)	5	4	2023	6Diax12	---	14	28.28	102	8079	---	Non Engraved
3	Main Building G.F (6000 Psi)	5	4	2023	6Diax12	---	14	28.28	98	7762	---	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.

5183
Dr. Umbreen

To: Mr. Muhammad Irfan, Material Engineer
Banu Mukhtar Contracting (Pvt) Ltd

Project: Burj-1 by Ajwa Builders

Our Ref. No. CL/CED/ 1884 Dated: 16-05-23 Test Specification

Your Ref. No. DOC-BMC/AJWA/055 Dated: 05-05-23 (ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 05-05-23 **Tested on:** 15-05-23 **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	Main Building G.F (6000 Psi)	6	4	2023	6Diax12	---	14.2	28.28	114	9030	---	Non Engraved
2	Main Building G.F (6000 Psi)	6	4	2023	6Diax12	---	13.6	28.28	51	4040	---	Non Engraved
3	Main Building G.F (6000 Psi)	6	4	2023	6Diax12	---	14	28.28	65	5149	---	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)
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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.

5183
Dr. Umbreen

To: Mr. Muhammad Irfan Material Engineer
Banu Mukhtar Contracting (Pvt) Ltd

Project: Burj-1 by Ajwa Builders

Our Ref. No. CL/CED/ 1885 Dated: 16-05-23

Your Ref. No. DOC-BMC/AJWA/056 Dated: 05-05-23

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 05-05-23 Tested on: 15-05-23 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	Main Building G.F (6000 Psi)	7	4	2023	6Diax12	---	14.4	28.28	57	4515	---	Non Engraved
2	Main Building G.F (6000 Psi)	7	4	2023	6Diax12	---	13.6	28.28	53	4198	---	Non Engraved
3	Main Building G.F (6000 Psi)	7	4	2023	6Diax12	---	14	28.28	136	10772	---	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/

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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)
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.

5216
Dr. Aqsa

To: Mr. Ehsan Ali Shah, C.E.O
Shaikh Combined Industries (Pvt) Ltd.

Project: Nil

Our Ref. No. CL/CED/ 1886 **Dated:** 16-05-23 **Test Specification**

Your Ref. No. Nil **Dated:** 09-05-23 (BS 1881-116)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 15-05-23 **Tested on:** 16-05-23 **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	Pile # 55	4	4	23	6x6x6	---	8	36	71	4418	---	Engraved
2	Pile # 57	8	4	23	6x6x6	---	7.8	36	65	4044	---	Engraved
3	Pile # 63	8	4	23	6x6x6	---	7.8	36	70	4356	---	Engraved
4	Pile # 66	8	4	23	6x6x6	---	7.8	36	81	5040	---	Engraved
5	Pile # 53	9	4	23	6x6x6	---	8	36	100	6222	---	Non Engraved
6	Pile # 75	9	4	23	6x6x6	---	8	36	103	6409	---	Non Engraved
7	Pile # 54	12	4	23	6x6x6	---	7.8	36	72	4480	---	Non Engraved
8	Pile # 73	12	4	23	6x6x6	---	7.8	36	94	5849	---	Non Engraved
9	Pile # 52	13	4	23	6x6x6	---	8	36	96	5973	---	Non Engraved
10	Pile # 62	13	4	23	6x6x6	---	7.8	36	106	6596	---	Non Engraved
11	Pile # 64	15	4	23	6x6x6	---	8	36	106	6596	---	Non Engraved
12	Pile # 67	15	4	23	6x6x6	---	8	36	108	6720	---	Non Engraved
13	---	---	---	---	---	---	---	---	---	---	---	---
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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.

5192
Dr. Aqsa

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

Project: One Liberty Mall and H&S Hotel located at Noor Jehan Road, Gulberg III, Lahore.

Our Ref. No. CL/CED/ 1887 Dated: 16-05-23

Your Ref. No. OL/OS/2023/45 Dated: 08-05-23

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 09-05-23 Tested on: 15-05-23 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	16th Floor Slab	7	4	2023	6Diax12	---	13.4	28.28	75	5941	---	Non Engraved
2	16th Floor Slab	7	4	2023	6Diax12	---	13.4	28.28	81	6416	---	Non Engraved
3	16th Floor Slab	7	4	2023	6Diax12	---	13.6	28.28	89	7050	---	Non Engraved
4	Lift Walls 15th-16th Floor	5	4	2023	6Diax12	---	13.6	28.28	85	6733	---	Non Engraved
5	Lift Walls 15th-16th Floor	5	4	2023	6Diax12	---	13.6	28.28	103	8158	---	Non Engraved
6	Lift Walls 15th-16th Floor	5	4	2023	6Diax12	---	13.2	28.28	105	8317	---	Non Engraved
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Mr. Yasir Iqbal, CNIC # 35201-4432046-5

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.

5140
Dr. Aqsa

To: Mr. Waqas Ali
VARIANT, 25-t Gulberg 2, Lahore

Project: Nil

Our Ref. No. CL/CED/ 1888 **Dated:** 16-05-23

Your Ref. No. VA/29/74 **Dated:** 19-04-23

Test Specification (ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 19-04-23 **Tested on:** 15-05-23 **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	Ground Floor Columns	10	3	2023	6Diax12	---	14.2	28.28	106	8396	---	Non Engraved
2	Ground Floor Columns	10	3	2023	6Diax12	---	14.2	28.28	93	7366	---	Non Engraved
3	Ground Floor Columns	10	3	2023	6Diax12	---	14	28.28	108	8554	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Mr. M. Khurram, CNIC # 35201-2458690-9

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.

5020
Dr. M. Yousaf

To: **Mr. Umair Badar, Site Incharge**
Tetra Ready Mix Pvt. Ltd. A Concrete Solutions Company, Gulberg III, Lahore.

Project: House No, 45M A/3, Gulberg III, Lahore. (Client: Mr. Haroon Malik Residence)

Our Ref. No. CL/CED/ 1889 **Dated: 16-05-23**

Your Ref. No. TRM/Shahzad/013 **Dated: 28-03-23**

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 28-03-23 Tested on: 16-05-23 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	(5000 Psi)	1	3	2023	6Diax12	---	13.2	28.28	96	7604	---	Non Engraved
2	(5000 Psi)	1	3	2023	6Diax12	---	13.2	28.28	99	7842	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Mr. Umair Badar, CNIC # 35201-6685227-9

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.

5197
Dr. Umbreen

To: Prof. Dr. Engr. Abdullah Yasar, Campus Engineer
GC University, Lahore. Engineering Cell

Project: Constrcution of New Girls Hostel at Main Campus, GC University, Lahore.

Our Ref. No. CL/CED/ 1890 **Dated:** 16-05-23

Your Ref. No. GCU/Engr/004/A **Dated:** 08-05-23

Test Specification
(BS 1881-116)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 09-05-23 **Tested on:** 15-05-23 **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 (1:2:4)	19	3	2023	6x6x6	---	8.4	36	98	6098	---	Non Engraved
2	Roof Slab (1:2:4)	19	3	2023	6x6x6	---	8.6	36	116	7218	---	Non Engraved
3	Roof Slab (1:2:4)	19	3	2023	6x6x6	---	8.4	36	130	8089	---	Non Engraved
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.

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.

5213
Dr. Aqsa

To: Engr. Khalid Sattar, Resident Engineer DHQ Hospital Hafizabad
Master Consulting Engineers Pvt. Ltd.

Project: Up Gradation of DHQ Hospital Hafizabad (Group No. 2) ADP NO:768 For The Year 2021-2022

Our Ref. No. CL/CED/ 1891 **Dated:** 16-05-23 **Test Specification**

Your Ref. No. MCE/DHQ Hfzd/23/58 **Dated:** 10-04-23 (BS 1881-116)

COMPRESSION TEST REPORT

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

Specimens received on: 15/05/2023 **Tested on:** 16-05-23 **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	RCC Wall	7	3	2023	6x6x6	---	8.6	36	91	5662	---	Engraved
2	RCC Wall	7	3	2023	6x6x6	---	8.8	36	93	5787	---	Engraved
3	RCC Wall	7	3	2023	6x6x6	---	8.6	36	91	5662	---	Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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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**

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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5213
Dr. Aqsa

To: Engr. Khalid Sattar, Resident Engineer DHQ Hospital Hafizabad
Master Consulting Engineers Pvt. Ltd.

Project: Up Gradation of DHQ Hospital Hafizabad (Group No. 1) ADP NO:768 For The Year 2021-2022

Our Ref. No. CL/CED/ 1892 **Dated:** 16-05-23 **Test Specification**

Your Ref. No. MCE/DHQ Hfzd/23/57 **Dated:** 10-04-23 (BS 1881-116)

COMPRESSION TEST REPORT

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

Specimens received on: 15/05/2023 **Tested on:** 16-05-23 **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	RCC Columns	11	3	2023	6x6x6	---	8.4	36	98	6098	---	Non Engraved
2	RCC Columns	11	3	2023	6x6x6	---	8.8	36	102	6347	---	Non Engraved
3	RCC Columns	11	3	2023	6x6x6	---	8.6	36	98	6098	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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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**

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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5213
Dr. Aqsa

To: Engr. Khalid Sattar, Resident Engineer DHQ Hospital Hafizabad
Master Consulting Engineers Pvt. Ltd.

Project: Up Gradation of DHQ Hospital Hafizabad (Group No. 1) ADP NO:768 For The Year 2021-2022

Our Ref. No. CL/CED/ 1893 **Dated: 16-05-23** **Test Specification**

Your Ref. No. MCE/DHQ Hfzd/23/61 **Dated: 02-05-23** **(BS 1881-116)**

COMPRESSION TEST REPORT

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

Specimens received on: 15/05/2023 Tested on: 16-05-23 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	Ramp Slab	5	4	2023	6x6x6	---	8.2	36	60	3733	---	Engraved
2	Ramp Slab	5	4	2023	6x6x6	---	8.4	36	62	3858	---	Engraved
3	Ramp Slab	5	4	2023	6x6x6	---	8.2	36	89	5538	---	Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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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**

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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5213
Dr. Aqsa

To: **Engr. Khalid Sattar, Resident Engineer DHQ Hospital Hafizabad**
Master Consulting Engineers Pvt. Ltd.

Project: Up Gradation of DHQ Hospital Hafizabad (Group No. 1) ADP NO:768 For The Year 2021-2022

Our Ref. No. CL/CED/ 1894 **Dated: 16-05-23** **Test Specification**

Your Ref. No. MCE/DHQ Hfzd/23/52 **Dated: 01-04-23** **(BS 1881-116)**

COMPRESSION TEST REPORT

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

Specimens received on: 15/05/2023 Tested on: 16-05-23 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	RCC Roof Slab	2	3	2023	6x6x6	---	9.2	36	100	6222	---	Engraved
2	RCC Roof Slab	2	3	2023	6x6x6	---	8.6	36	92	5724	---	Engraved
3	RCC Roof Slab	2	3	2023	6x6x6	---	8.8	36	108	6720	---	Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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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**

Plain and Reinforced Concrete Laboratory
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ORIGINAL
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5213
Dr. Aqsa

To: Engr. Khalid Sattar, Resident Engineer DHQ Hospital Hafizabad
Master Consulting Engineers Pvt. Ltd.

Project: Up Gradation of DHQ Hospital Hafizabad (Group No. 1) ADP NO:768 For The Year 2021-2022

Our Ref. No. CL/CED/ 1895 **Dated: 16-05-23** **Test Specification**

Your Ref. No. MCE/DHQ Hfzd/23/60 **Dated: 02-05-23** **(BS 1881-116)**

COMPRESSION TEST REPORT

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

Specimens received on: 15/05/2023 Tested on: 16-05-23 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	RCC Columns	8	4	2023	6x6x6	---	8.8	36	94	5849	---	Engraved
2	RCC Columns	8	4	2023	6x6x6	---	8.6	36	75	4667	---	Engraved
3	RCC Columns	8	4	2023	6x6x6	---	8.6	36	104	6471	---	Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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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
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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.

5213
Dr. Aqsa

To: Engr. Khalid Sattar, Resident Engineer DHQ Hospital Hafizabad
Master Consulting Engineers Pvt. Ltd.

Project: Up Gradation of DHQ Hospital Hafizabad (Group No. 2) ADP NO:768 For The Year 2021-2022

Our Ref. No. CL/CED/ 1896 **Dated:** 16-05-23 **Test Specification**

Your Ref. No. MCE/DHQ Hfzd/23/62 **Dated:** 02-05-23 (BS 1881-116)

COMPRESSION TEST REPORT

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

Specimens received on: 15/05/2023 **Tested on:** 16-05-23 **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	RCC Wall	3	4	2023	6x6x6	---	8.8	36	83	5164	---	Engraved
2	RCC Wall	3	4	2023	6x6x6	---	8.4	36	82	5102	---	Engraved
3	RCC Wall	3	4	2023	6x6x6	---	8.6	36	81	5040	---	Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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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**

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.

5213
Dr. Aqsa

To: Engr. Khalid Sattar, Resident Engineer DHQ Hospital Hafizabad
Master Consulting Engineers Pvt. Ltd.

Project: Up Gradation of DHQ Hospital Hafizabad (Group No. 2) ADP NO:768 For The Year 2021-2022

Our Ref. No. CL/CED/ 1897 **Dated:** 16-05-23 **Test Specification**

Your Ref. No. MCE/DHQ Hfzd/23/45 **Dated:** 21-03-23 (BS 1881-116)

COMPRESSION TEST REPORT

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

Specimens received on: 15/05/2023 **Tested on:** 16-05-23 **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	RCC Wall (1:1.5:3)	22	2	2023	6x6x6	---	8.6	36	112	6969	---	Engraved
2	RCC Wall (1:1.5:3)	22	2	2023	6x6x6	---	9	36	118	7342	---	Engraved
3	RCC Wall (1:1.5:3)	22	2	2023	6x6x6	---	8.8	36	103	6409	---	Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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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**

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.

5213
Dr. Aqsa

To: Engr. Khalid Sattar, Resident Engineer DHQ Hospital Hafizabad
Master Consulting Engineers Pvt. Ltd.

Project: Up Gradation of DHQ Hospital Hafizabad (Group No. 1) ADP NO:768 For The Year 2021-2022

Our Ref. No. CL/CED/ 1898 **Dated:** 16-05-23 **Test Specification**

Your Ref. No. MCE/DHQ Hfzd/23/53 **Dated:** 01-04-23 (BS 1881-116)

COMPRESSION TEST REPORT

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

Specimens received on: 15/05/2023 **Tested on:** 16-05-23 **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	RCC Columns	28	2	2023	6x6x6	---	8.4	36	84	5227	---	Engraved
2	RCC Columns	28	2	2023	6x6x6	---	8.6	36	77	4791	---	Engraved
3	RCC Columns	28	2	2023	6x6x6	---	8.8	36	120	7467	---	Engraved
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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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Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

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

5213
Dr. Aqsa

To: Mr. Asif Javed, Resident Engineer
New Vision Engineering Consultant

Project: Strengthening Infrastructure and Aademic Programs of Government College Women University Sialkot Construction of Faculty Natural Sciences Block (First Floor) Group-01

Our Ref. No. CL/CED/ 1899 Dated: 16-05-23 Test Specification

Your Ref. No. NVEC/GCWUS/T-01 Dated: 26-04-23 (BS 1881-116)

COMPRESSION TEST REPORT

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

Specimens received on: 15/05/2023 Tested on: 16-05-23 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	---	23	3	2023	6x6x6	---	8.6	36	83	5164	---	Engraved
2	---	23	3	2023	6x6x6	---	8.6	36	97	6036	---	Engraved
3	---	23	3	2023	6x6x6	---	8.6	36	86	5351	---	Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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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)
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ORIGINAL
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5208
Dr. Aqsa

To: Mr. Zia Mahiyuddin
Ijaz Construction Company.

Project: Naubahar Bottling Company Pvt. Ltd. Shadoki Unit III

Our Ref. No. CL/CED/ 1900 **Dated:** 16-05-23 **Test Specification**

Your Ref. No. Nil **Dated:** 10-05-23 (BS 1881-116)

COMPRESSION TEST REPORT

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

Specimens received on: 15/05/2023 **Tested on:** 16-05-23 **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	Flooring (4500Psi)	8	4	2023	6x6x6	---	7.6	36	40	2489	---	Non Engraved
2	Flooring (4500Psi)	8	4	2023	6x6x6	---	8.2	36	117	7280	---	Non Engraved
3	Flooring (4500Psi)	8	4	2023	6x6x6	---	7.6	36	44	2738	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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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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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
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5208
Dr. Aqsa

To: Mr. Zia Mahiyuddin
Ijaz Construction Company.

Project: Naubahar Bottling Company Pvt. Ltd. Shadoki Unit III

Our Ref. No. CL/CED/ 1901 **Dated:** 16-05-23 **Test Specification**

Your Ref. No. Nil **Dated:** 10-05-23 (BS 1881-116)

COMPRESSION TEST REPORT

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

Specimens received on: 15/05/2023 **Tested on:** 16-05-23 **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	Flooring (4500Psi)	11	4	2023	6x6x6	---	8.4	36	130	8089	---	Non Engraved
2	Flooring (4500Psi)	11	4	2023	6x6x6	---	7.4	36	37	2302	---	Non Engraved
3	Flooring (4500Psi)	11	4	2023	6x6x6	---	7.6	36	52	3236	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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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
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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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5208
Dr. Aqsa

To: Mr. Zia Mahiyuddin
Ijaz Construction Company.

Project: Naubahar Bottling Company Pvt. Ltd. Shadoki Unit III

Our Ref. No. CL/CED/ 1902 **Dated:** 16-05-23 **Test Specification**

Your Ref. No. Nil **Dated:** 10-05-23 (BS 1881-116)

COMPRESSION TEST REPORT

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

Specimens received on: 15/05/2023 **Tested on:** 16-05-23 **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	Flooring (4500Psi)	14	4	2023	6x6x6	---	8	36	111	6907	---	Non Engraved
2	Flooring (4500Psi)	14	4	2023	6x6x6	---	8	36	101	6284	---	Non Engraved
3	Flooring (4500Psi)	14	4	2023	6x6x6	---	7.8	36	92	5724	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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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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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)
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Supervisor (Lab) **Director/Dy. Director Concrete Laboratory**

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5208
Dr. Aqsa

To: Mr. Zia Mahiyuddin
Ijaz Construction Company.

Project: Naubahar Bottling Company Pvt. Ltd. Shadoki Unit III

Our Ref. No. CL/CED/ 1903 **Dated:** 16-05-23 **Test Specification**

Your Ref. No. Nil **Dated:** 10-05-23 (BS 1881-116)

COMPRESSION TEST REPORT

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

Specimens received on: 15/05/2023 **Tested on:** 16-05-23 **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	Boiler Footing (4500 Psi)	10	4	2023	6x6x6	---	8	36	55	3422	---	Non Engraved
2	Boiler Footing (4500 Psi)	10	4	2023	6x6x6	---	8.6	36	114	7093	---	Non Engraved
3	Boiler Footing (4500 Psi)	10	4	2023	6x6x6	---	8.4	36	131	8151	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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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**