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.

5180
Dr. M. Yousaf

To: (Mr. Imran Sattar), Divisional Forest Officer
Kasur Forest Division at Changa Manga

Project: Construction of Boundary Wall at Changa Manga Irrigated Plantation.

Our Ref. No. CL/CED/ 1934-3 of 3 Dated: 29-05-23 Test Specification

Your Ref. No. 964/AC Changa Manga Dated: 02-05-23 (BS 3921**)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 05-05-23 **Tested on:** 26-05-23 **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	P-77	---	---	---	9 x 4.4 x 2.8	3610	3130	39.6	44	2489	15.34	---
2	P-77	---	---	---	8.9 x 4.4 x 2.9	3610	3180	39.16	41	2345	13.52	---
3	P-77	---	---	---	8.9 x 4.3 x 2.9	3490	3025	38.27	37	2166	15.37	---
4	P-77	---	---	---	9 x 4.3 x 2.9	3575	3110	38.7	43	2489	14.95	---
5	P-77	---	---	---	8.9 x 4.4 x 3	3810	3340	39.16	43	2460	14.07	---
6	ST	---	---	---	9 x 4.3 x 3	3745	3305	38.7	46	2663	13.31	---
7	ST	---	---	---	9 x 4.4 x 3	3865	3365	39.6	42	2376	14.86	---
8	ST	---	---	---	8.8 x 4.2 x 3	3800	3485	36.96	48	2909	9.04	---
9	ST	---	---	---	8.8 x 4.3 x 3	3845	3465	37.84	45	2664	10.97	---
10	ST	---	---	---	9 x 4.4 x 3	3950	3405	39.6	43	2432	16.01	---
11	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

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
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ORIGINAL
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5297
Engr. A. Rehman

To: **Hussain Construction Company**
DHA Phase-8, Broadway, Lahore.

Project: Construction of Allied School at CMH Medical and Dental College, Lahore.

Our Ref. No. CL/CED/ 2022 **Dated: 29-05-23** **Test Specification**

Your Ref. No. Nil **Dated: 29-05-23** **(ASTM C39)**

COMPRESSION TEST REPORT

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

Specimens received on: 29-05-23 Tested on: 29-05-23 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 (1:2:4)	20	5	2023	6Diax12	---	13.2	28.28	43	3406	---	Non Engraved
2	Raft (1:2:4)	20	5	2023	6Diax12	---	14.2	28.28	50	3960	---	Non Engraved
3	Raft (1:2:4)	20	5	2023	6Diax12	---	14	28.28	48	3802	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Mr. Muhammad Kamran Atta, CNIC # 38201-6378868-9

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.

5305
Dr. Mazhar

To: Mr. Muhammad Irfan Contractor (MIC)
Client: Coca Cola Factory Pvt Plant Lahore.

Project: Nil

Our Ref. No. CL/CED/ 2023 **Dated:** 29-05-23 **Test Specification**

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

COMPRESSION TEST REPORT

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

Specimens received on: 29/05/2023 **Tested on:** 29-05-23 **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 (4000 Psi)	29	4	2023	6x6x6	---	8.4	36	116	7218	---	Non Engraved
2	Raft (4000 Psi)	29	4	2023	6x6x6	---	8.6	36	108	6720	---	Non Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

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

5251
Dr. Umbreen

To: (Saifullah Amin)
Senior Resident Engineer, NESPAK Pvt. Ltd. (Contractor: M/s ZKB-Reliable JV)

Project: WATSAN SIALKOT (NCB-WORKS/PICIIP-02) LOT-04. (RCC Bowl Bottom of OHWT T-50, Jinnah Islamia College)

Our Ref. No. CL/CED/ 2024 Dated: 30-05-23 **Test Specification**

Your Ref. No. Nespak/SA/UET/061 Dated: 22-03-23 (ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 19-05-23 **Tested on:** 29-05-23 **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	(1:1:2)	1	3	2023	6Diax12	---	13.4	28.28	79	6257	---	Non Engraved
2	(1:1:2)	1	3	2023	6Diax12	---	13.6	28.28	104	8238	---	Non Engraved
3	(1:1:2)	1	3	2023	6Diax12	---	13.2	28.28	90	7129	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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16	---					---	---	---	---	---	---	---

Witnessed by: (Mr. Bilal Afzal, Si NESPAK), (Mr. Adnan Suleman, SE (PICIIP)

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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Civil Engineering Department
University of Engineering and Technology, Lahore. Pakistan
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ORIGINAL
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5251
Dr. Umbreen

To: (Saifullah Amin)
Senior Resident Engineer, NESPAK Pvt. Ltd. (Contractor: M/s ZKB-Reliable JV)

Project: WATSAN SIALKOT (NCB-WORKS/PICIIP-02) LOT-04. (RCC Bowl Bottom of OHWT T-40, Bonkan)

Our Ref. No. CL/CED/ 2025 **Dated: 30-05-23** **Test Specification**

Your Ref. No. Nespak/SA/UET/L-04/067 **Dated: 18-05-23** **(ASTM C39)**

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 19-05-23 Tested on: 29-05-23 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	(1:1:2)	27	3	2023	6Diax12	---	13.6	28.28	88	6970	---	Non Engraved
2	(1:1:2)	27	3	2023	6Diax12	---	13.2	28.28	106	8396	---	Engraved
3	(1:1:2)	27	3	2023	6Diax12	---	13.2	28.28	106	8396	---	Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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16	---					---	---	---	---	---	---	---

Witnessed by: (Mr. Bilal Afzal, Si NESPAK), (Mr. Adnan Suleman, SE (PICIIP)

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
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ORIGINAL
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5137
Dr. Umbreen

To: Resident Engineer (Civil), Model Bazaar Head Office Building
MASCON ASSOCIATES (PVT) LTD. In Association with HA Consulting.

Project: Establishment of Model Bazaar Head Office Building.

Our Ref. No. CL/CED/ 2026 Dated: 30-05-23

Your Ref. No. MAC-HAC/23/PMBMC/LT/041 Dated: 12-04-23

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 19-04-23 Tested on: 29-05-23 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	3rd Floor Slab (3000 Psi)	7	4	2023	6Diax12	---	13	28.28	47	3723	---	Non Engraved
2	3rd Floor Slab (3000 Psi)	7	4	2023	6Diax12	---	13.2	28.28	45	3564	---	Non Engraved
3	3rd Floor Slab (3000 Psi)	7	4	2023	6Diax12	---	12.4	28.28	48	3802	---	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
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ORIGINAL
A carbon copy for the report has been retained in the lab for record.

5137
Dr. Umbreen

To: Resident Engineer (Civil), Model Bazaar Head Office Building
MASCON ASSOCIATES (PVT) LTD. In Association with HA Consulting.

Project:Establishment of Model Bazaar Head Office Building

Our Ref. No. CL/CED/ 2027 **Dated: 30-05-23** **Test Specification**

Your Ref. No. MAC-HAC/23/PMBMC/LT/042 **Dated: 12-04-23** **(ASTM C39)**

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 19-04-23 **Tested on:** 29-05-23 **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	3rd Floor Column (3000 Psi)	18	3	2023	6Diax12	---	12.2	28.28	55	4356	---	Non Engraved
2	3rd Floor Column (3000 Psi)	18	3	2023	6Diax12	---	13	28.28	49	3881	---	Non Engraved
3	3rd Floor Column (3000 Psi)	18	3	2023	6Diax12	---	12.6	28.28	55	4356	---	Non Engraved
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 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.

5231
Dr. Umbreen

To: Engr. Major Zia-ul-Islam (R)
Project Director, GCC, Lahore. Overseas Construction Co. (Pvt.) Ltd.

Project: Gulberg City Centre

Our Ref. No. CL/CED/ 2028 **Dated:** 30-05-23

Your Ref. No. OCC/CPD/26/176 **Dated:** 17-05-23

Test Specification (ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 17-05-23 **Tested on:** 29-05-23 **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	Water Tank (5000 Psi)	7	5	2023	6Diax12	---	13.6	28.28	47	3723	---	Non Engraved
2	Water Tank (5000 Psi)	7	5	2023	6Diax12	---	13.4	28.28	63	4990	---	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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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.

5231
Dr. Umbreen

To: Engr. Major Zia-ul-Islam (R)
Project Director, GCC, Lahore. Overseas Construction Co. (Pvt.) Ltd.

Project: Gulberg City Centre

Our Ref. No. CL/CED/ 2029 **Dated:** 30-05-23

Your Ref. No. OCC/CPD/10/90 **Dated:** 17-05-23

Test Specification (ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 17-05-23 **Tested on:** 29-05-23 **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	Basement-2 Column (6000 Psi)	22	12	2022	6Diax12	---	13	28.28	73	5782	---	Non Engraved
2	Basement-2 Column (6000 Psi)	22	12	2022	6Diax12	---	13	28.28	57	4515	---	Non 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 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.

5231
Dr. Umbreen

To: **Engr. Major Zia-ul-Islam (R)**
Project Director, GCC, Lahore. Overseas Construction Co. (Pvt.) Ltd.

Project: Gulberg City Centre

Our Ref. No. CL/CED/ 2030 **Dated: 30-05-23** **Test Specification**

Your Ref. No. OCC/CPD/19/132 **Dated: 17-05-23** **(ASTM C39)**

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 17-05-23 **Tested on:** 29-05-23 **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	Floor Slab (4000 Psi)	20	2	2023	6Diax12	---	14	28.28	61	4832	---	Non Engraved
2	Floor Slab (4000 Psi)	20	2	2023	6Diax12	---	13.2	28.28	55	4356	---	Non 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 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.

5231
Dr. Umbreen

To: Engr. Major Zia-ul-Islam (R)
Project Director, GCC, Lahore. Overseas Construction Co. (Pvt.) Ltd.

Project: Gulberg City Centre

Our Ref. No. CL/CED/ 2031 **Dated:** 30-05-23

Your Ref. No. OCC/CPD/19/134 **Dated:** 17-05-23

Test Specification (ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 17-05-23 **Tested on:** 29-05-23 **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	Retaining Wall (6000 Psi)	22	2	2023	6Diax12	---	14	28.28	81	6416	---	Non Engraved
2	Retaining Wall (6000 Psi)	22	2	2023	6Diax12	---	14	28.28	83	6574	---	Non 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 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
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5231
Dr. Umbreen

To: Engr. Major Zia-ul-Islam (R)
Project Director, GCC, Lahore. Overseas Construction Co. (Pvt.) Ltd.

Project: Gulberg City Centre

Our Ref. No. CL/CED/ 2032 **Dated:** 30-05-23

Your Ref. No. OCC/CPD/21/144 **Dated:** 17-05-23

Test Specification (ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 17-05-23 **Tested on:** 29-05-23 **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	B-3, R/Wall (4000 Psi)	4	3	2023	6Diax12	---	13.4	28.28	83	6574	---	Non Engraved
2	B-3, R/Wall (4000 Psi)	4	3	2023	6Diax12	---	13.4	28.28	71	5624	---	Non 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 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: Engr. Major Zia-ul-Islam (R)
Project Director, GCC, Lahore. Overseas Construction Co. (Pvt.) Ltd.

Project: Gulberg City Centre

Our Ref. No. CL/CED/ 2033 **Dated:** 30-05-23

Your Ref. No. OCC/CPD/10/89 **Dated:** 17-05-23

Test Specification (ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 17-05-23 **Tested on:** 29-05-23 **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 Grid-1-D, 1-E.3 (5000 Psi)	21	12	2022	6Diax12	---	13	28.28	43	3406	---	Non Engraved
2	Raft Grid-1-D, 1-E.3 (5000 Psi)	21	12	2022	6Diax12	---	13	28.28	71	5624	---	Non 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 comprerssive strength

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

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ORIGINAL
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5231
Dr. Umbreen

To: Engr. Major Zia-ul-Islam (R)
Project Director, GCC, Lahore. Overseas Construction Co. (Pvt.) Ltd.

Project: Gulberg City Centre

Our Ref. No. CL/CED/ 2034 **Dated:** 30-05-23

Your Ref. No. OCC/CPD/20/137 **Dated:** 17-05-23

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 17-05-23 **Tested on:** 29-05-23 **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	(4000 Psi)	25	2	2023	6Diax12	---	13.2	28.28	73	5782	---	Non Engraved
2	(4000 Psi)	25	2	2023	6Diax12	---	13.4	28.28	75	5941	---	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
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
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Note: Above results pertain to the unsealed samples supplied to the laboratory

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: Engr. Major Zia-ul-Islam (R)
Project Director, GCC, Lahore. Overseas Construction Co. (Pvt.) Ltd.

Project: Gulberg City Centre

Our Ref. No. CL/CED/ 2035 **Dated:** 30-05-23

Your Ref. No. OCC/CPD/19/129 **Dated:** 17-05-23

Test Specification (ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 17-05-23 **Tested on:** 29-05-23 **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	B-2, Floor Slab (4000 Psi)	14	2	2023	6Diax12	---	13.4	28.28	77	6099	---	Non Engraved
2	B-2, Floor Slab (4000 Psi)	14	2	2023	6Diax12	---	13.6	28.28	86	6812	---	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
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
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Note: Above results pertain to the unsealed samples supplied to the laboratory

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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Dr. Umbreen

To: Engr. Major Zia-ul-Islam (R)
Project Director, GCC, Lahore. Overseas Construction Co. (Pvt.) Ltd.

Project: Gulberg City Centre

Our Ref. No. CL/CED/ 2036 **Dated: 30-05-23** **Test Specification**

Your Ref. No. OCC/CPD/16/119 **Dated: 17-05-23** **(ASTM C39)**

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 17-05-23 **Tested on:** 29-05-23 **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	Basement-1, R/Wall (6000 Psi)	29	1	2023	6Diax12	---	14	28.28	75	5941	---	Non Engraved
2	Basement-1, R/Wall (6000 Psi)	29	1	2023	6Diax12	---	13.6	28.28	77	6099	---	Non 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 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.

5238
Dr. Umbreen

To: Engr. Shahid Iqbal, Manager Construction
Trans-Continental Freight (Pvt) Ltd.

Project: Construction of TAQ House-Gulberg, at Plot No.6F, Main Market Gulberg-II, Lahore.

Our Ref. No. CL/CED/ 2037 Dated: 30-05-23

Your Ref. No. THG/037/UET Dated: 03-05-23

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 17-05-23 Tested on: 29-05-23 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	Sample No.198 (5000 Psi)	18	3	2023	6Diax12	---	14	28.28	92	7287	---	Non Engraved
2	Sample No.199 (5000 Psi)	18	3	2023	6Diax12	---	13.8	28.28	94	7446	---	Non Engraved
3	Sample No.200 (5000 Psi)	18	3	2023	6Diax12	---	13.8	28.28	81	6416	---	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.

5238
Dr. Umbreen

To: Engr. Shahid Iqbal, Manager Construction
Trans-Continental Freight (Pvt) Ltd.

Project: Construction of TAQ House-Gulberg, at Plot No.6F, Main Market Gulberg-II, Lahore.

Our Ref. No. CL/CED/ 2038 Dated: 30-05-23

Your Ref. No. THG/038/UET Dated: 03-05-23

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 17-05-23 Tested on: 29-05-23 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	Sample No.204 (3000 Psi)	21	3	2023	6Diax12	---	13	28.28	83	6574	---	Non Engraved
2	Sample No.205 (3000 Psi)	21	3	2023	6Diax12	---	14	28.28	79	6257	---	Non Engraved
3	Sample No.206 (3000 Psi)	21	3	2023	6Diax12	---	13.6	28.28	90	7129	---	Non 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 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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Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

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

5238
Dr. Umbreen

To: Engr. Shahid Iqbal, Manager Construction
Trans-Continental Freight (Pvt) Ltd.

Project: Construction of TAQ House-Gulberg at Plot No.6F, Main Market Gulberg-II, Lahore.

Our Ref. No. CL/CED/ 2039 **Dated: 30-05-23**

Your Ref. No. THG/039/UET **Dated: 03-05-23**

Test Specification
(ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 17-05-23 **Tested on:** 29-05-23 **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	Sample No.210 (3000 Psi)	4	4	2023	6Diax12	---	13.4	28.28	84	6653	---	Non Engraved
2	Sample No.211 (3000 Psi)	4	4	2023	6Diax12	---	13.4	28.28	81	6416	---	Non Engraved
3	Sample No.212 (3000 Psi)	4	4	2023	6Diax12	---	13.2	28.28	83	6574	---	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.

5254
Dr. Umbreen

To: **Project Manager**
Lahore Hills Private Limited.

Project: Nil

Our Ref. No. CL/CED/ 2040 **Dated: 30-05-23** **Test Specification**

Your Ref. No. DH/MT/011 **Dated: 19-05-23** **(ASTM C39)**

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 22-05-23 **Tested on:** 29-05-23 **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	4500 psi, 1252	14	4	2023	6Diax12	---	13	28.28	94	7446	---	Non Engraved
2	4500 psi, 1253	14	4	2023	6Diax12	---	13.6	28.28	77	6099	---	Non Engraved
3	6000psi, 1234	8	4	2023	6Diax12	---	13.4	28.28	83	6574	---	Non Engraved
4	6000psi, 1235	8	4	2023	6Diax12	---	13.6	28.28	73	5782	---	Non Engraved
5	6000psi, 1240	11	4	2023	6Diax12	---	13	28.28	75	5941	---	Non Engraved
6	6000psi, 1241	11	4	2023	6Diax12	---	14	28.28	69	5465	---	Non 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 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**