



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.

4835
 Dr. M. Yousaf

To: Engr. Umar Majeed
 Additional Chief Engineer, Urban Developers Group

Project: Nil

Our Ref. No. CL/CED/ 1291

Dated: 24/2/2023

Test Specification

Your Ref. No. UD/CP/Adc/580

Dated: Nil

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 23/2/2023 Tested on: 24/2/2023 in dry/wet condition

Sr. No.	Mark*	Casting Date*				Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY									
1	---	27	1	2023	6Diax12	---	13	28.28	78	6178	---	Engraved	
2	---	27	1	2023	6Diax12	---	13.8	28.28	86	6812	---	Engraved	
3	---	27	1	2023	6Diax12	---	13.6	28.28	90	7129	---	Engraved	
4	---	---	---	---	---	---	---	---	---	---	---	---	
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Witnessed by:

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

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

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

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

Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



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.

4830
 Dr. M. Yousaf

To: Mr. Muhammad Aman Ullah, Resident Engineer
 LDA City Housing Scheme Lahore, Construction Management Division, NESPAK (Pvt) Ltd
 Project: Development of Underground External Electrification Network in LDA City Housing Scheme, Lahore (Development Area-1, Package 2, 4, 5 & 6). (M/s MSC-STZ Engineers JV)
 Our Ref. No. CL/CED/ 1292 Dated: 24/2/2023
 Your Ref. No. 4047/13/MA/04/65 Dated: 14/2/2023

Test Specification
 (ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: **22/2/2023** Tested on: **24/2/2023** in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	---	18	1	2023	6Diax12	---	14	28.28	73	5782	---	Non Engraved
2	---	18	1	2023	6Diax12	---	13.8	28.28	70	5545	---	Non Engraved
3	---	18	1	2023	6Diax12	---	13.8	28.28	63	4990	---	Non Engraved
4	---	20	1	2023	6Diax12	---	13.8	28.28	72	5703	---	Non Engraved
5	---	20	1	2023	6Diax12	---	14	28.28	74	5861	---	Non Engraved
6	---	20	1	2023	6Diax12	---	13.6	28.28	73	5782	---	Non Engraved
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by:

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

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

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

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

Director/Dy. Director Concrete Laboratory



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ORIGINAL
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4816
 Dr. M. Yousaf

To: Ar. Farhan Rasool
 Projects Architect, BAB (SMC PVT) LTD

Project: Construction of Mixed Use Building at Liberty

Our Ref. No. CL/CED/ 1293

Dated: 24/2/2023

Test Specification

Your Ref. No. BAB/CR/004

Dated: 20/2/2023

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 20/2/2023 **Tested on:** 24/2/2023 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	UGWT & Lift walls	21	1	2023	6Diax12	---	13.2	28.28	50	3960	---	Engraved
2	UGWT & Lift walls	21	1	2023	6Diax12	---	13	28.28	52	4119	---	Engraved
3	UGWT & Lift walls	21	1	2023	6Diax12	---	13.2	28.28	60	4752	---	Engraved
4	UGWT Slab & Foundation	12	2	2023	6Diax12	---	13	28.28	30	2376	---	Engraved
5	UGWT Slab & Foundation	12	2	2023	6Diax12	---	13	28.28	22	1743	---	Engraved
6	UGWT Slab & Foundation	12	2	2023	6Diax12	---	13	28.28	28	2218	---	Engraved
7	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by:

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

- * as engraved on the specimens (if any)
- ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
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Director/Dy. Director Concrete Laboratory



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ORIGINAL
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4831
 Dr. M. Yousaf

To: Site Engineer
 ENAARA

Project: Nil

Our Ref. No. CL/CED/ 1294

Dated: 24/2/2023

Test Specification

Your Ref. No. Nil

Dated: Nil

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: **22/2/2023** Tested on: **24/2/2023** in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	4000 Psi (6th Slab)	27	1	2023	6Diax12	---	14	28.28	147	11644	---	Non Engraved
2	4000 Psi (6th Slab)	27	1	2023	6Diax12	---	13.4	28.28	94	7446	---	Non Engraved
3	4000 Psi (6th Slab)	27	1	2023	6Diax12	---	14	28.28	81	6416	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by:

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

- * as engraved on the specimens (if any)
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Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



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ORIGINAL
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4711
 Dr. M. Yousaf

To: Mr. Umair Badar
 Site Incharge, TETRA READY MIX: A Concrete Solutions Company

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

Our Ref. No. CL/CED/ 1295

Dated: 24/2/2023

Test Specification

Your Ref. No. TRM/Shahzad/013

Dated: 02-02-23

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 2/2/2023 Tested on: 24/2/2023 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	4500 Psi	7	1	2023	6Diax12	---	14	28.28	104	8238	---	Non Engraved
2	4500 Psi	7	1	2023	6Diax12	---	13.6	28.28	80	6337	---	Non Engraved
3	4500 Psi	15	1	2023	6Diax12	---	14	28.28	89	7050	---	Non Engraved
4	4500 Psi	15	1	2023	6Diax12	---	13.8	28.28	53	4198	---	Non Engraved
5	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: M. Umair Badar, CNIC: 35201-6685227-9

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

- * as engraved on the specimens (if any)
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Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



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ORIGINAL
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4688
 Dr. M. Yousaf

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

Project: Nil

Our Ref. No. CL/CED/ 1296

Dated: 24/2/2023

Test Specification

Your Ref. No. VA/29/62

Dated: 30/01/2023

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 31/1/2023 Tested on: 24/2/2023 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	Upper Bsmnt Slab Pour-5 (F-G, 3-5)	19	12	2022	6Diax12	---	13	28.28	76	6020	---	Non Engraved
2	Upper Bsmnt Slab Pour-5 (F-G, 3-5)	19	12	2022	6Diax12	---	13.4	28.28	70	5545	---	Non Engraved
3	Upper Bsmnt Slab Pour-5 (F-G, 3-5)	19	12	2022	6Diax12	---	13.4	28.28	80	6337	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Mr. Babar Ali, CNIC: 35201-9967694-3

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

- * as engraved on the specimens (if any)
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Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



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ORIGINAL
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4688
 Dr. M. Yousaf

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

Project: Nil

Our Ref. No. CL/CED/ 1297

Dated: 24/2/2023

Test Specification

Your Ref. No. VA/29/63

Dated: 30/01/2023

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 31/1/2023 Tested on: 24/2/2023 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	Upper Bsmnt Slab Pour-6 (F-G, 2-3)	22	12	2022	6Diax12	---	14	28.28	78	6178	---	Non Engraved
2	Upper Bsmnt Slab Pour-6 (F-G, 2-3)	22	12	2022	6Diax12	---	13.2	28.28	76	6020	---	Non Engraved
3	Upper Bsmnt Slab Pour-6 (F-G, 2-3)	22	12	2022	6Diax12	---	13.8	28.28	78	6178	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Mr. Babar Ali, CNIC: 35201-9967694-3

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

- * as engraved on the specimens (if any)
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Director/Dy. Director Concrete Laboratory



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

4812
 Dr. M. Yousaf

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

Project: Nil

Our Ref. No. CL/CED/ 1298

Dated: 24/2/2023

Test Specification

Your Ref. No. VA/29/65

Dated: 10-02-23

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 17/2/2023 Tested on: 24/2/2023 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	Bsmnt-1 UGWT Walls (G-H, 3-5)	4	1	2023	6Diax12	---	14.2	28.28	60	4752	---	Non Engraved
2	Bsmnt-1 UGWT Walls (G-H, 3-5)	4	1	2023	6Diax12	---	13.4	28.28	68	5386	---	Non Engraved
3	Bsmnt-1 UGWT Walls (G-H, 3-5)	4	1	2023	6Diax12	---	14	28.28	86	6812	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Mr. Babar Ali, CNIC: 35201-9967694-3

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

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

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

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

Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Civil Engineering Department
 University of Engineering and Technology, Lahore, Pakistan
 Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

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

4812
 Dr. M. Yousaf

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

Project: Nil

Our Ref. No. CL/CED/ 1299

Dated: 24/2/2023

Test Specification

Your Ref. No. VA/29/64

Dated: 10-02-23

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 17/2/2023 Tested on: 24/2/2023 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	Bsmnt-1 UGWT Raft Pr.11 (H, 3-5)	30	12	2022	6Diax12	---	14	28.28	63	4990	---	Non Engraved
2	Bsmnt-1 UGWT Raft Pr.11 (H, 3-5)	30	12	2022	6Diax12	---	13.4	28.28	73	5782	---	Non Engraved
3	Bsmnt-1 UGWT Raft Pr.11 (H, 3-5)	30	12	2022	6Diax12	---	13.8	28.28	78	6178	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Mr. Babar Ali, CNIC: 35201-9967694-3

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

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

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

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

Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Civil Engineering Department
 University of Engineering and Technology, Lahore, Pakistan
 Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

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

4812
 Dr. M. Yousaf

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

Project: Nil

Our Ref. No. CL/CED/ 1300

Dated: 24/2/2023

Test Specification

Your Ref. No. VA/29/66

Dated: 10-02-23

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 17/2/2023 Tested on: 24/2/2023 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	Bsmnt-1 UGWT Slab (H. 3-5)	9	12	2023	6Diax12	---	14	28.28	89	7050	---	Non Engraved
2	Bsmnt-1 UGWT Slab (H. 3-5)	9	1	2023	6Diax12	---	13.8	28.28	84	6653	---	Non Engraved
3	Bsmnt-1 UGWT Slab (H. 3-5)	9	1	2023	6Diax12	---	14.2	28.28	84	6653	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Mr. Babar Ali, CNIC: 35201-9967694-3

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

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

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

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

Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Civil Engineering Department
 University of Engineering and Technology, Lahore, Pakistan
 Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

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

4784
 Dr. Usman Akmal

To: Project Manager
 Lahore Hills Private Limited

Project: Nil

Our Ref. No. CL/CED/ 1301

Dated: 24/2/2023

Test Specification

Your Ref. No. DH/MT/009

Dated: 14/2/2023

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 14/2/2023 Tested on: 24/2/2023 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
		DD	MM	YYYY								
1	Sr. No. 982	15	1	2023	6Diax12	---	13.4	28.28	43	3406	---	Non Engraved
2	Sr. No. 983	15	1	2023	6Diax12	---	13.4	28.28	59	4673	---	Non Engraved
3	Sr. No. 988	15	1	2023	6Diax12	---	13.2	28.28	59	4673	---	Non Engraved
4	Sr. No. 989	15	1	2023	6Diax12	---	14	28.28	83	6574	---	Non Engraved
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Witnessed by: Mr. Mudasir Ali, CNIC: 35201-7327964-9

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

- * as engraved on the specimens (if any)
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- **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as compressive strength

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

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- The test results are recommended to be interpreted in the light of above factors by the engineer.

Supervisor (Lab)

Director/Dy. Director Concrete Laboratory