



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.

5161
 Engr. Ubaid

To: Engr. Hamza Iftikhar, Project Engineer
 M/S Mian Hydro Construction Engineer, Lahore.

Project: Construction of New Blocks and Support for Penstock at Kurram Garhi Dam, Power House 2
 Bannu, KPK.

Our Ref. No. CL/CED/ 1844

Dated: 04-05-23

Test Specification

Your Ref. No. MHCE-HTPL/CEW-PO-064

Dated: 02-05-23

(ASTM C39)

COMPRESSION TEST REPORT



ONLINE REPORT

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

Specimens received on: **2-5-2023** Tested on: **04-05-23** 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	---	17	4	2023	6Diax12	---	13	28.28	27	2139	---	Non Engraved
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
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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/>

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

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

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

Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



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ORIGINAL
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5156
 Engr. Ubaid

To: Mr. Arif Siddique
 Ideal Construction Services, Lahore.

Project: Construction of FMH Tower Lahore.

Our Ref. No. CL/CED/ 1845

Dated: 04-05-23

Test Specification

Your Ref. No. ICS/786/498

Dated: 27-04-23

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 2-5-2023 Tested on: 04-05-23 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	---	31	3	2023	6Diax12	---	13.8	28.28	95	7525	---	Non Engraved
2	---	31	3	2023	6Diax12	---	13.4	28.28	108	8554	---	Non Engraved
3	---	31	3	2023	6Diax12	---	13.6	28.28	103	8158	---	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/>

- * 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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5170
 Engr. Ubaid

To: Ar. Frahan Rasool, Project Architect.
 PBAB (SMC Pvt) Ltd. Lahore

Project: Construction of Mixed Used Building at Noor Jahan Road, Liberty Market, Lahore.

Our Ref. No. CL/CED/ 1846

Dated: 04-05-23

Test Specification

Your Ref. No. BAB/CR/013

Dated: 02-05-23

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: **3-5-2023** Tested on: **04-05-23** 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	Columns (4000 Psi)	3	4	2023	6Diax12	---	13	28.28	47	3723	---	Engraved
2	Columns (4000 Psi)	3	4	2023	6Diax12	---	13	28.28	46	3644	---	Engraved
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Nil

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
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5154
 Engr. Ubaid

To: Ar. Frahan Rasool, Project Architect.
 BAB (SMC Pvt) Ltd. Lahore

Project: Construction of Mixed Used Building at Noor Jahan Road, Liberty Market, Lahore.

Our Ref. No. CL/CED/ 1847

Dated: 04-05-23

Test Specification

Your Ref. No. BAB/CR/012

Dated: 28-04-23

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 28-4-2023 **Tested on:** 04-05-23 **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	Columns (4000 Psi)	3	4	2023	6Diax12	---	13	28.28	28	2218	---	Engraved
2	Columns (4000 Psi)	3	4	2023	6Diax12	---	13	28.28	43	3406	---	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/>

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 Engr. Ubaid

To: Ar. Frahan Rasool, Project Architect.
 BAB (SMC Pvt) Ltd. Lahore

Project: Construction of Mixed Used Building at Noor Jahan Road, Liberty Market, Lahore.

Our Ref. No. CL/CED/ 1848

Dated: 04-05-23

Test Specification

Your Ref. No. BAB/CR/011

Dated: 28-04-23

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 28-4-2023 Tested on: 04-05-23 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	Foundation & Col. (4000 Psi)	25	3	2023	6Diax12	---	13	28.28	38	3010	---	Engraved
2	Foundation & Col. (4000 Psi)	25	3	2023	6Diax12	---	13	28.28	47	3723	---	Engraved
3	Foundation & Col. (4000 Psi)	25	3	2023	6Diax12	---	12.8	28.28	35	2772	---	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/>

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