



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.

6338
 Dr. Ubaid

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

Project: Construction of Burj-1 by Ajwa Builders. (Main Building B/02, Zone # 02)

Our Ref. No. CL/CED/ 3677

Dated: 07-12-23

Test Specification

Your Ref. No. DOC-BMC/AJWA/132

Dated: 06-12-23

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 06-12-23 **Tested on:** 07-12-23 **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	Column # 2, Grids # C-D/8	5	11	2023	6Diax12	---	14.6	28.28	62	4911	---	Non Engraved
2	Column # 2, Grids # C-D/8	5	11	2023	6Diax12	---	14	28.28	62	4911	---	Non Engraved
3	Column # 2, Grids # C-D/8	5	11	2023	6Diax12	---	14.4	28.28	60	4752	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Nil

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

- * 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

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ORIGINAL
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6333
Dr. Ubaid

To: Project Director-II
Lahore Development Authority, U.D.Wing. Office of Project Director-II.

Project: Construction of Orange Line Metro Train Project (Package-II) Chouburji to Ali Town-Reconstruction of Jamia Masjid Muhammadia (Qadeem), Lake Road, Lahore.

Our Ref. No. CL/CED/ 3678

Dated: 07-12-23

Test Specification

Your Ref. No. No.PD-II/LDA/162

Dated: 29-11-23

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 5-12-2023 Tested on: 07-12-23 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	Ground Floor Slab (1:2:4)	22	11	2023	6Diax12	---	13.4	28.28	46	3644	---	Non Engraved
2	Ground Floor Slab (1:2:4)	22	11	2023	6Diax12	---	13.4	28.28	46	3644	---	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-reports/>

- * 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

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Director/Dy. Director Concrete Laboratory



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ORIGINAL
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6340
 Dr. Ubaid

To: Director Projects
 Innovation @ Construction Company.

Project: Construction of Warehouse (Shell Structure) at SR-03, Sheikhpura.

Our Ref. No. CL/CED/ 3679-1 of 2

Dated: 07-12-23

Test Specification

Your Ref. No. ICL/SR-3/SHELLS/1223/02

Dated: 05-12-23

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 6-12-2023 Tested on: 07-12-23 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	---	2	11	2023	6Diax12	---	15	28.28	66	5228	---	Non Engraved
2	---	2	11	2023	6Diax12	---	14.6	28.28	68	5386	---	Non Engraved
3	---	2	11	2023	6Diax12	---	15	28.28	62	4911	---	Non Engraved
4	---	4	11	2023	6Diax12	---	15	28.28	59	4673	---	Non Engraved
5	---	4	11	2023	6Diax12	---	14	28.28	47	3723	---	Non Engraved
6	---	4	11	2023	6Diax12	---	14.2	28.28	50	3960	---	Non Engraved
7	---	31	10	2023	6Diax12	---	14.6	28.28	73	5782	---	Non Engraved
8	---	31	10	2023	6Diax12	---	14.2	28.28	64	5069	---	Non Engraved
9	---	31	10	2023	6Diax12	---	14.6	28.28	39	3089	---	Non Engraved
10	---	1	11	2023	6Diax12	---	14.2	28.28	69	5465	---	Non Engraved
11	---	1	11	2023	6Diax12	---	14.6	28.28	70	5545	---	Non Engraved
12	---	1	11	2023	6Diax12	---	14	28.28	66	5228	---	Non Engraved
13	---	5	11	2023	6Diax12	---	14.4	28.28	32	2535	---	Non Engraved
14	---	5	11	2023	6Diax12	---	15	28.28	61	4832	---	Non Engraved
15	---	5	11	2023	6Diax12	---	15	28.28	62	4911	---	Non Engraved
16	---	29	10	2023	6Diax12	---	14	28.28	40	3168	---	Non Engraved

Witnessed by: Nil

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6340
 Dr. Ubaid

To: Director Projects
 Innovation @ Construction Company.

Project: Construction of Warehouse (Shell Structure) at SR-03, Sheikhpura.

Our Ref. No. CL/CED/ 3679-2 of 2

Dated: 07-12-23

Test Specification

Your Ref. No. ICL/SR-3/SHELLS/1223/02

Dated: 05-12-23

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 6-12-2023 **Tested on:** 07-12-23 **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	---	29	10	2023	6Diax12	---	14.6	28.28	42	3327	---	Non Engraved
2	---	30	10	2023	6Diax12	---	14.6	28.28	42	3327	---	Non Engraved
3	---	30	10	2023	6Diax12	---	14.2	28.28	40	3168	---	Non Engraved
4	---	30	10	2023	6Diax12	---	14	28.28	36	2851	---	Non Engraved
5	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Nil

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

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- ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
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6322
 Dr. Ubaid

To: Mr. Muhammad Imran Khan
 Material Engineer, ECSP Pvt. Ltd. (M/s Iftikhar & Co.)

Project: Construction of MPA's Hostel Lahore, Phase II

Our Ref. No. CL/CED/ 3680

Dated: 07-12-23

Test Specification

Your Ref. No. 340/ECSP/MPA/ME/74

Dated: 24-11-23

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 4/12/2023 **Tested on:** 07-12-23 **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	Raft	27	10	2023	6x6x6	---	8.6	36	72	4480	---	Engraved
2	Raft	27	10	2023	6x6x6	---	8.8	36	82	5102	---	Engraved
3	Raft	27	10	2023	6x6x6	---	9	36	80	4978	---	Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Nil

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

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Director/Dy. Director Concrete Laboratory



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6322
 Dr. Ubaid

To: Mr. Muhammad Imran Khan
 Material Engineer, ECSP Pvt. Ltd. (M/s Iftikhar & Co.)

Project: Construction of MPA's Hostel Lahore, Phase-II

Our Ref. No. CL/CED/ 3681

Dated: 07-12-23

Test Specification

Your Ref. No. 340/ECSP/MPA/ME/75

Dated: 25-11-23

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 4/12/2023 **Tested on:** 07-12-23 **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	Raft	28	10	2023	6x6x6	---	8.6	36	103	6409	---	Engraved
2	Raft	28	10	2023	6x6x6	---	9	36	95	5911	---	Engraved
3	Raft	28	10	2023	6x6x6	---	9	36	97	6036	---	Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Nil

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6289
 Dr. Ubaid

To: Mr. Mehran Ali
 Resident Engineer, AZ Engineering Associates, Hafizabad Residency, Pindi Bhattian.
Project: Rehabilitation of Road from Chiniot to Pindi Bhattian M-2 Interchange Section-II Length 18.45 Kms in District Hafizabad.
 Our Ref. No. CL/CED/ 3682 Dated: 07-12-23 Test Specification
 Your Ref. No. AZEA/RE/HFZ/253 Dated: 18-11-23 (BS 3921**)

COMPRESSION TEST REPORT



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

Specimens received on: 23-11-23 Tested on: 07-12-23 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	55	---	---	---	8.6 x 4.3 x 2.8	2835	2375	36.98	45	2726	19.37	Machine Made
2	55	---	---	---	8.5 x 4.1 x 2.8	2980	2465	34.85	46	2957	20.89	Machine Made
3	55	---	---	---	8.5 x 4.1 x 2.7	2825	2340	34.85	37	2378	20.73	Machine Made
4	55	---	---	---	8.6 x 4.1 x 2.7	2940	2380	35.26	31	1969	23.53	Machine Made
5	55	---	---	---	8.5 x 4.1 x 2.7	2960	2460	34.85	42	2700	20.33	Machine Made
6	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by:

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