



# 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.

6249

Dr. Usman Akmal

To: Resident Engineer  
Metroplan-Asian JV, Site Office JHL ET, Lahore.

Project: Establishment of Emergency & Trauma Cum Cardiac Center at Jinnah Hospital Lahore.

Our Ref. No. CL/CED/ 3497

Dated: 16-11-23

Test Specification

Your Ref. No. Metroplan-Asian JV ET-JHL-RE-085-2023

Dated: 16-11-23

(ASTM C39)

## COMPRESSION TEST REPORT



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

Specimens received on: 16-11-23 Tested on: 16-11-23 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	(4000 Psi)	9	11	2023	6Diax12	---	14	28.28	62	4911	---	Non Engraved
2	(4000 Psi)	9	11	2023	6Diax12	---	14	28.28	60	4752	---	Non Engraved
3	(4000 Psi)	9	11	2023	6Diax12	---	14.2	28.28	60	4752	---	Non Engraved
4	(6000 Psi)	9	11	2023	6Diax12	---	14.4	28.28	79	6257	---	Non Engraved
5	(6000 Psi)	9	11	2023	6Diax12	---	14.6	28.28	70	5545	---	Non Engraved
6	(6000 Psi)	9	11	2023	6Diax12	---	14.8	28.28	72	5703	---	Non Engraved
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Mr. Khalid Mahmood, M.I (Asian), CNIC 35202-5858595-5

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



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**Civil Engineering Department**  
 University of Engineering and Technology, Lahore. Pakistan  
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ORIGINAL  
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6235  
 Dr. Wasim Abbas

To: Mr. Abbas Mughal  
 Mughal Bricks Company. Canal Road, Lahore.

Project: Nil

Our Ref. No. CL/CED/ 3498

Dated: 16-11-23

Test Specification

Your Ref. No. Mughals Bricks Company

Dated: 14-11-23

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## COMPRESSION TEST REPORT



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

Specimens received on:  Tested on:  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	Machine Made (Double Line)	---	---	---	8.7 x 4.2 x 2.9	---	2790	36.54	36	2207	---	---
2	Machine Made (Double Line)	---	---	---	8.8 x 4.1 x 2.8	---	2790	36.08	36	2235	---	---
3	Machine Made (Double Line)	---	---	---	8.8 x 4.2 x 2.8	---	2750	36.96	40	2424	---	---
4	Machine Made (Double Line)	---	---	---	8.9 x 4.3 x 2.8	---	2735	38.27	40	2341	---	---
5	Machine Made (Double Line)	---	---	---	8.5 x 4.1 x 2.6	---	2600	34.85	38	2442	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
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13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by:

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

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