



**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.

5424  
 Dr. M. Yousaf

**To:** Mr. Sun Qingfang  
 Marketing Manager, Henan D.R. Construction Group Co. (Ltd) (Pakistan Branch)

**Project:** Nil

**Our Ref. No.** CL/CED/ 2262- 2 of 2

**Dated:** 07-07-23

**Test Specification**

**Your Ref. No.** Nil

**Dated:** 19/6/2023

( BS 3921\*\* )

## COMPRESSION TEST REPORT



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

**Specimens received on:** 20/6/2023 **Tested on:** 07-07-23 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	Double Line Machine Made	---	---	---	8.7 x 4.2 x 2.7	---	2725	36.54	28	1716	---	---	
2	Double Line Machine Made	---	---	---	8.6 x 4.3 x 2.8	---	2715	36.98	31	1878	---	---	
3	Double Line Machine Made	---	---	---	8.8 x 4.4 x 2.7	---	2745	38.72	28	1620	---	---	
4	Double Line Machine Made	---	---	---	8.6 x 4.3 x 2.7	---	2755	36.98	25	1514	---	---	
5	Double Line Machine Made	---	---	---	8.6 x 4.3 x 2.7	---	2700	36.98	30	1817	---	---	
6	Double Line Machine Made	---	---	---	8.6 x 4.2 x 2.7	---	2650	36.12	25	1550	---	---	
7	Double Line Machine Made	---	---	---	8.7 x 4.3 x 2.8	---	2810	37.41	27	1617	---	---	
8	Double Line Machine Made	---	---	---	8.5 x 4.3 x 2.7	---	2675	36.55	31	1900	---	---	
9	Double Line Machine Made	---	---	---	8.6 x 4.3 x 2.7	---	2670	36.98	30	1817	---	---	
10	Double Line Machine Made	---	---	---	8.6 x 4.3 x 2.7	---	2660	36.98	27	1635	---	---	
11	Double Line Machine Made	---	---	---	8.6 x 4.3 x 2.7	---	2695	36.98	30	1817	---	---	
12	Double Line Machine Made	---	---	---	8.6 x 4.3 x 2.7	---	2625	36.98	30	1817	---	---	
13	---	---	---	---	---	---	---	---	---	---	---	---	
14	---	---	---	---	---	---	---	---	---	---	---	---	
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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" dia x 12" 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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**5498**  
 Dr. Qasim Khan

**To:** Engineer Sarfaraz Ahmad  
 BEMSOL Pvt. Ltd.  
 Project: Construction of 175TPH of Bulleh Shah Paper Mill Project at Kasur. (Boiler 175TPH Footing, M~N/15~16,C)  
 Our Ref. No. CL/CED/ 2308  
 Your Ref. No. Nil

**Dated:** 07-07-23  
**Dated:** Nil

**Test Specification**  
 ( BS 1881-116 )

## COMPRESSION TEST REPORT



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

Specimens received on: **07-07-23** Tested on: **07-07-23** 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	30MPA	7	6	2023	6 x 6 x 6	---	8.8	36	73	4542	---	Non Engraved
2	30MPA	7	6	2023	6 x 6 x 6	---	8.4	36	59	3671	---	Non Engraved
3	30MPA	7	6	2023	6 x 6 x 6	---	8.4	36	94	5849	---	Non Engraved
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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" dia x 12" 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**  
 A carbon copy for the report has been retained in the lab for record.

5482  
 Engr. Ubaid

**To:** Sub Divisional Forest Officer  
 Changa Manga

**Project:** Construction of Boundary Wall under PC-I Scheme Strengthening of Protection Regime in Changa Manga Irrigated Plantation.

**Our Ref. No.** CL/CED/ 2309

**Dated:** 07-07-23

**Test Specification**

**Your Ref. No.** 943/CGM

**Dated:** 09-06-23

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## COMPRESSION TEST REPORT



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

**Specimens received on:** 27/6/2023 **Tested on:** 06-07-23 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	Mortar Cube	20	5	2023	1.9x1.9x1.9	---	230	3.61	5	3102	---	Non Engraved
2	Mortar Cube	20	5	2023	1.9x1.9x1.9	---	215	3.61	1.5	931	---	Non Engraved
3	Mortar Cube	20	5	2023	1.9x1.9x1.9	---	235	3.61	7.1	4406	---	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)
- \*\* 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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**Note:** Above results pertain to the unsealed samples supplied to the laboratory

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5482  
 Engr. Ubaid

**To: Sub Divisional Forest Officer**  
**Changa Manga**

**Project: Construction of Boundary Wall under PC-I Scheme Strengthening of Protection Regime in Changa Manga Irrigated Plantation**

**Our Ref. No. CL/CED/ 2310**

**Dated: 07-07-23**

**Test Specification**

**Your Ref. No. 934/CGM**

**Dated: 09-06-23**

**( BS 1881-116 )**

## COMPRESSION TEST REPORT



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

**Specimens received on: 27/6/2023      Tested on: 06-07-23      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	R.C.C. (1:2:4)	20	5	2023	6x6x6	---	8	36	75	4667	---	Non Engraved
2	R.C.C. (1:2:4)	20	5	2023	6x6x6	---	7.8	36	50	3111	---	Non Engraved
3	R.C.C. (1:2:4)	20	5	2023	6x6x6	---	8	36	71	4418	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Results can also be seen on website <https://civil.uet.edu.pk/concrete-laboratory-reports1/>

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5449  
 Dr. M. Yousaf

**To:** Engr. Muhammad Younus Ch.  
 Resident Engineer, AZ Engineering Associates (AZEA)  
 Project: Rehabilitation/Renovation of Existing Office Buildings and Construction of New Office Block of Commissioner Office at Lahore  
 Our Ref. No. CL/CED/ 2311  
 Your Ref. No. AZEA/RE/C.O/18

Dated: 07-07-23  
 Dated: 26/5/2023  
 Test Specification (BS 3921\*\*)

**COMPRESSION TEST REPORT**



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

Specimens received on: 20/6/2023 Tested on: 07-07-23 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	M.A	---	---	---	8.6 x 4.2 x 2.7	---	3370	36.12	40	2481	---	---	
2	M.A	---	---	---	8.9 x 4.3 x 3	---	3395	38.27	40	2341	---	---	
3	M.A	---	---	---	8.8 x 4.3 x 2.9	---	3295	37.84	40	2368	---	---	
4	M.A	---	---	---	9 x 4.4 x 3	---	3390	39.6	36	2036	---	---	
5	M.A	---	---	---	8.9 x 4.4 x 3.1	---	3380	39.16	38	2174	---	---	
6	---	---	---	---	---	---	---	---	---	---	---	---	
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**ORIGINAL**  
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5466  
 Dr. M. Yousaf

To: Chaudhry Saif Gujjar  
 Chaudhry Bricks Company

Project: Nil

Our Ref. No. CL/CED/ 2312

Dated: 07-07-23

Test Specification

Your Ref. No. Nil

Dated: 22/6/2023

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**COMPRESSION TEST REPORT**



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

Specimens received on: 20/6/2023 Tested on: 07-07-23 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	H	---	---	---	8.7 x 4.2 x 2.9	---	3350	36.54	46	2820	---	---	
2	H	---	---	---	8.8 x 4.2 x 2.9	---	3200	36.96	40	2424	---	---	
3	H	---	---	---	8.9 x 4.4 x 2.9	---	3230	39.16	38	2174	---	---	
4	H	---	---	---	8.6 x 4.2 x 2.8	---	3225	36.12	48	2977	---	---	
5	---	---	---	---	---	---	---	---	---	---	---	---	
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