



**Plain and Reinforced Concrete Laboratory**  
**Department of Civil Engineering**  
University of Engineering and Technology, Lahore  
Phone Nos. 042-99029202, 042-99029217

9607

Dr. Umbreen

To: **Awais Anjum, Assistant Engineer (Civil)**

**Office of the Chief Engineer, University of Okara.**

**Project: Finishing & External Development of Café & Tuck Shop at University of Okara.**

Our Ref. No. CL/CED/

9524

Dated:

27-12-19

Your Ref. No.

Nil

Dated:

06-12-19

## COMPRESSION TEST REPORT

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

Specimens received on: 06-12-19 Tested on: 26-12-19 in dry/wet condition

Sr. No.	Mark*	Casting Date* /Wet Weight (gms)	Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
1	10		8.8x4.3x2.9	2690	37.84	41	2430	
2	10		8.8x4.3x2.9	2778	37.84	45	2670	
3	10		8.8x4.4x2.9	2781	38.72	37	2140	
4	10		8.8x4.3x2.9	2952	37.84	27	1600	
5	10		8.8x4.4x2.9	2709	38.72	35	2030	
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Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/departament?RID=testing\\_reports&id=6](http://www.uet.edu.pk/faculties/facultiesinfo/departament?RID=testing_reports&id=6)

\* 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**



**Plain and Reinforced Concrete Laboratory**  
**Department of Civil Engineering**  
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Phone Nos. 042-99029202, 042-99029217

9607  
Dr. Umbreen

**To: Awais Anjum, Assistant Engineer (Civil)**  
**Office of the Chief Engineer, University of Okara.**  
**Project: Construction of University Service Club.**

Our Ref. No. CL/CED/ 9525 Dated: 27-12-19  
Your Ref. No. Nil Dated: 06-12-19

## COMPRESSION TEST REPORT

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

Specimens received on: 06-12-19 Tested on: 26-12-19 in dry/wet condition

Sr. No.	Mark*	Casting Date* /Wet Weight (gms)	Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
1	ABC		8.6x4.2x2.9	2596	36.12	63	3910	
2	ABC		8.6x4.3x2.8	2560	36.98	41	2490	
3	ABC		8.6x4.2x2.9	2623	36.12	49	3040	
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**supervisor(lab)**

**Director/Dy. Director Concrete Laboratory**



# Plain and Reinforced Concrete Laboratory

## Department of Civil Engineering

University of Engineering and Technology, Lahore

Phone Nos. 042-99029202, 042-99029217

9614

Dr. Umbreen

To: Assistant Director (Tech-II)

Anti-Corruption Establishment, Bahawalpur Region, Bahawalpur.

Project: Construction of Approach Road, from Iqbal Abad to Indus Bridge Linking N-55 Arbi Tibba Chowk to up to Minchan Bund. CSC No. 21/19.

Our Ref. No. CL/CED/ 9526 Dated: 27-12-19

Your Ref. No. ACE-BR (ADT)19/355 Dated: 05-12-19

## COMPRESSION TEST REPORT

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

Specimens received on: 06-12-19 Tested on: 26-12-19 in dry/wet condition

Sr. No.	Mark*	Casting Date* /Wet Weight (gms)	Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
1	(A-1) Machine Made Brick		8.9x4.3x2.8	2870	38.27	51	2990	Used Brick
2	(A-1) Machine Made Brick		8.8x4.3x2.8	2747	37.84	47	2790	Used Brick
3	(A-1) Machine Made Brick		8.5x4.1x2.8	2829	34.85	47	3030	Used Brick
4	(A-1) Machine Made Brick		8.8x4.4x2.8	3072	38.72	41	2380	Used Brick
5	(A-1) Machine Made Brick		8.8x4.2x2.6	2732	36.96	47	2850	Used Brick
6	(A-1) Machine Made Brick		8.8x4.1x2.7	2642	36.08	49	3050	Used Brick
7	(A-1) Machine Made Brick		8.8x4.2x2.8	2794	36.96	47	2850	Used Brick
8	(A-1) Machine Made Brick		8.6x4.2x2.7	2844	36.12	51	3170	Used Brick
9	(A-1) Machine Made Brick		8.8x4.1x2.5	2770	36.08	51	3170	Used Brick
10	(A-1) Machine Made Brick		8.8x4.2x2.8	2946	36.96	47	2850	Used Brick
11	(A-1) Machine Made Brick		8.8x4.2x2.8	2783	36.96	51	3100	Used Brick
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\* 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

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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**Department of Civil Engineering**  
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Phone Nos. 042-99029202, 042-99029217

9624  
Dr. Umbreen

To: **Sub Divisional Officer**

**GOR Maintenance Sub Division No.1, GOR-1, Lahore.**

**Project: Construction of 3-Nos Houses in Place of 4-College Road, GOR-1, Lahore.**

Our Ref. No. CL/CED/ 9527 Dated: 27-12-19

Your Ref. No. 515 Dated: 25-11-19

## COMPRESSION TEST REPORT

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

Specimens received on: 09-12-19 Tested on: 26-12-19 in dry/wet condition

Sr. No.	Mark*	Casting Date* /Wet Weight (gms)	Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
1	FB		9.0x4.5x3.0	3256	40.5	47	2600	
2	FB		9.0x4.5x3.0	3218	40.5	45	2490	
3	FB		9.0x4.5x3.0	3202	40.5	45	2490	
4	FB		9.0x4.4x3.0	3180	39.6	53	3000	
5	FB		9.0x4.5x3.0	3150	40.5	51	2830	
6	7UP		8.9x4.5x3.0	3190	40.05	45	2520	
7	7UP		8.9x4.4x2.9	3184	39.16	45	2580	
8	7UP		8.9x4.5x3.0	3187	40.05	49	2750	
9	7UP		8.9x4.5x3.0	3170	40.05	33	1850	
10	7UP		8.9x4.4x2.9	3195	39.16	43	2460	
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9607

Dr. Umbreen

**To: Awais Anjum, Assistant Engineer (Civil)**  
**Office of the Chief Engineer, University of Okara.**  
**Project: Construction of University Service Club.**

Our Ref. No. CL/CED/ 9528 Dated: 27-12-19

Your Ref. No. Nil Dated: 06-12-19

## COMPRESSION TEST REPORT

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

Specimens received on: 06-12-19 Tested on: 27-12-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		/Wet Weight (gms)								
1		13	11	2019	6x6x6	8.4	36	58	3610	Engraved
2		14	11	2019	6x6x6	8.1	36	58	3610	Engraved
3		15	11	2019	6x6x6	8.2	36	73	4550	Engraved
4		17	11	2019	6x6x6	8	36	65	4050	Engraved
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Phone Nos. 042-99029202, 042-99029217

9626

Dr. Umbreen

To: **Sub Divisional Officer**

**Highway Sub Division No.II, Gujranwala.**

**Project: Widening / Rehabilitation of Road from Qila Mian Singh to Dughal More, Length=9.00 Km in District Gujranwala (Under RAP-I).**

Our Ref. No. CL/CED/

9529

Dated:

27-12-19

Your Ref. No.

305-8/G-II

Dated:

09-11-19

## COMPRESSION TEST REPORT

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

Specimens received on:

09-12-19

Tested on:

26-12-19

in dry/wet condition

Sr. No.	Mark*	Casting Date* /Wet Weight (gms)	Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
1	D-11		8.6x4.3x2.8	2743	36.98	39	2370	
2	D-11		8.6x4.3x2.8	2704	36.98	41	2490	
3	D-11		8.6x4.2x2.8	2777	36.12	43	2670	
4	MG		8.8x4.2x2.8	3175	36.96	47	2850	
5	MG		8.8x4.2x2.8	3323	36.96	41	2490	
6	MG		8.8x4.3x2.9	3232	37.84	41	2430	
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