



# Plain and Reinforced Concrete Laboratory

## Department of Civil Engineering

University of Engineering and Technology, Lahore

Phone Nos. 042-99029202, 042-99029217

9792

Dr. Aqsa

To: Ch. Liaqat Ali (Resident Engineer)

G3 Engineering Consultants (Pvt.) Ltd. Lahore

Project: Construction Supervision of missing Specialities for Up Gradation of DHQ Hospital to Teaching Hospital Gujranwala (Group 1) (6th Floor Mumty Main Stair & Ramp Block)

Our Ref. No. CL/CED/

9698

Dated:

21-01-20

Your Ref. No.

G3/205/1147

Dated:

16-11-19

## COMPRESSION TEST REPORT

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

Specimens received on:

13-01-20

Tested on:

14-01-20

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		16	10	2019	6Diax12	13.8	28.28	53	4200	Non Engraved
2		16	10	2019	6Diax12	13.4	28.28	57	4520	Non Engraved
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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

\*\*\*\* 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**  
**Department of Civil Engineering**  
University of Engineering and Technology, Lahore  
Phone Nos. 042-99029202, 042-99029217

9797  
Dr. Aqsa

**To: Muhammad Azeem (Operation Manager)**  
**Amer Adnan Associates, Lahore**  
**Project: Hotel Building at 24-A Block E/2 at Gulberg III, Lahore**

Our Ref. No. CL/CED/ 9699 Dated: 21-01-20

Your Ref. No. AAA/24A/0003 Dated: 14-01-20

## COMPRESSION TEST REPORT

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

Specimens received on: 14-01-20 Tested on: 14-01-20 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		6	1	2020	6Diax12	13.8	28.28	35	2780	Non Engraved
2		6	1	2020	6Diax12	14	28.28	35	2780	Non Engraved
3		6	1	2020	6Diax12	14	28.28	32	2540	Non Engraved
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**supervisor(lab)**

**Director/Dy. Director Concrete Laboratory**



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

9799  
Dr. Aqsa

To: **H. Development Construction**

**4 Babar Block, Main Boulevard Garden Town, Lahore**

**Project: H. Development Construction, 4 Babar Block, Main Boulevard Garden Town, Lahore**

Our Ref. No. CL/CED/ 9700 Dated: 21-01-20

Your Ref. No. Nil Dated: 14-01-20

## COMPRESSION TEST REPORT

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

Specimens received on: 14-01-20 Tested on: 16-01-20 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		3	1	2020	6Diax12	14.4	28.28	71	5630	Engraved
2		5	1	2020	6Diax12	14.4	28.28	75	5950	Engraved
3		14	11	2019	6Diax12	14.4	28.28	58	4600	Engraved
4		14	12	2019	6Diax12	14.4	28.28	53	4200	Engraved
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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

9798  
Dr. Aqsa

To: **Sajid Khawaja (Senior Manager Civil-OTL)**  
**ORIENT, Lahore**  
**Project: Oreint Square Hotel Tower Johar Town**

Our Ref. No. CL/CED/ 9701 Dated: 21-01-20

Your Ref. No. /UET/HotelTower/Concret/031 Dated: 14-01-20

## COMPRESSION TEST REPORT

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

Specimens received on: 14-01-20 Tested on: 15-01-20 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
		Month	Day	Year						
1	5500 Psi	18	12	2019	6Diax12	14	28.28	70	5550	Non Engraved
2	5500 Psi	18	12	2019	6Diax12	14.2	28.28	73	5790	Non Engraved
3	5500 Psi	18	12	2019	6Diax12	14.6	28.28	79	6260	Non Engraved
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**Director/Dy. Director Concrete Laboratory**



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

9803  
Dr. Aqsa

**To: M. Sohail Anjum (Project Manager)**  
**P-156 Gulberg II Lahore**  
**Project: Construction of P-156 Gulberg II Lahore**

Our Ref. No. CL/CED/ 9702 Dated: 21-01-20  
Your Ref. No. P-156-060 Dated: 15-01-20

## COMPRESSION TEST REPORT

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

Specimens received on: 15-01-20 Tested on: 17-01-20 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
		Month	Day	Year						
1	190 (4500 Psi)	18	12	2019	6Diax12	14	28.28	66	5230	Non Engraved
2	191 (4500 Psi)	18	12	2019	6Diax12	14	28.28	75	5950	Non Engraved
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**supervisor(lab)**

**Director/Dy. Director Concrete Laboratory**



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Phone Nos. 042-99029202, 042-99029217

9803  
Dr. Aqsa

**To: M. Sohail Anjum (Project Manager)**  
**P-156 Gulberg II Lahore**  
**Project: Construction of P-156 Gulberg II Lahore**

Our Ref. No. CL/CED/ 9703 Dated: 21-01-20  
Your Ref. No. P-156-059 Dated: 15-01-20

## COMPRESSION TEST REPORT

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

Specimens received on: 15-01-20 Tested on: 17-01-20 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
		18	12	2019						
1	187 (3000 Psi)	18	12	2019	6Diax12	14.2	28.28	42	3330	Non Engraved
2	186 (3000 Psi)	18	12	2019	6Diax12	14	28.28	39	3090	Non Engraved
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Phone Nos. 042-99029202, 042-99029217

9805  
Dr. Aqsa

**To: Haider Irfan (Project Manager)**  
**Roots International Schools**  
**Project: Roots International School Palm Tree Campus Sialkot**

Our Ref. No. CL/CED/ 9704 Dated: 21-01-20

Your Ref. No. RIS/SB/SKT0314012020 Dated: 14-01-20

## COMPRESSION TEST REPORT

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

Specimens received on: 15-01-20 Tested on: 16-01-20 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		23	12	2019	6Diax12	13	28.28	31	2460	Engraved
2										
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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

9795

Dr. Aqsa

To: Syed Nabeel Hassan (Resident Engineer)

CM Div., NESPAK (Pvt.) Ltd. Lahore

Project: Construction of Pedestrian Overhead Bridge at Shabbir Usmani Road Infront of Jinnah Hospital, Lahore

Our Ref. No. CL/CED/

9705

Dated:

21-01-20

Your Ref. No.

4047-R/13/SNH/07/AFE/149

Dated:

02-12-19

## COMPRESSION TEST REPORT

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

Specimens received on:

14-01-20

Tested on:

15-01-20

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	Rectangular Grey		7.7x3.8x2.2	2910	29.26	130	9960	
2	Rectangular Grey		7.7x3.8x2.2	2813	29.26	119	9110	
3	Rectangular Grey		7.7x3.8x2.2	2860	29.26	124	9500	
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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

9796

Dr. Aqsa

To: **M. Sohail Anjum (Project Manager)**  
**P-156 Gulberg II Lahore**  
**Project: Construction of P-156 Gulberg II Lahore**

Our Ref. No. CL/CED/ 9706 Dated: 21-01-20

Your Ref. No. P-156-056 Dated: 13-01-20

## COMPRESSION TEST REPORT

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

Specimens received on: 14-01-20 Tested on: 21-01-20 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	2 2		8.8x4.4x2.9	3234	38.72			
2	2 2		8.8x4.4x2.9	3269	38.72			
3	2 2		8.9x4.4x2.8	3291	39.16			
4	2 2		8.8x4.4x2.9	3289	38.72	59	3420	
5	2 2		8.8x4.4x2.9	3249	38.72	47	2720	
6	2 2		8.8x4.4x2.9	3291	38.72	50	2900	
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University of Engineering and Technology, Lahore  
Phone Nos. 042-99029202, 042-99029217

9763

Dr. Aqsa

To: **Sub Divisional Officer**

**Highway Sub Division, Kamoke**

**Project: Widening/Rehabilitation of Road From Lalupur to Kassuki in District Gujranwala L=5.32 KM**

Our Ref. No. CL/CED/

9707

Dated:

21-01-20

Your Ref. No.

108/K

Dated:

12-12-19

## COMPRESSION TEST REPORT

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

Specimens received on:

06-01-20

Tested on:

21-01-20

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	100 DS		8.8x4.4x2.9	3135	38.72	40	2320	
2	100 DS		8.8x4.4x2.9	3099	38.72	43	2490	
3	100 DS		8.8x4.3x2.9	3151	37.84	34	2020	
4	100 DS		8.7x4.3x2.8	3039	37.41	34	2040	
5	100 DS		8.8x4.4x2.8	3119	38.72	18	1050	
6	100 DS		8.8x4.4x2.9	3071	38.72	32	1860	
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**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

9783

Dr. Aqsa

To: Rashid Kamran (Resident Engineer)

CM Div., NESPAK (Pvt.) Ltd. Lahore

Project: Construction of Open Drain Along Road, Shahkot, Distt. Nankana Sahib (PP-132)

Our Ref. No. CL/CED/

9708

Dated:

21-01-20

Your Ref. No.

4047-R2/13/RK/036

Dated:

09-01-20

## COMPRESSION TEST REPORT

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

Specimens received on:

09-01-20

Tested on:

21-01-20

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	371		8.9x4.4x2.9	3152	39.16	46	2640	
2	371		8.9x4.4x2.8	3209	39.16	43	2460	
3	371		8.9x4.3x2.9	3171	38.27	47	2760	
4	371		8.9x4.4x2.9	3221	39.16	43	2460	
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supervisor(lab)

Director/Dy. Director Concrete Laboratory



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Phone Nos. 042-99029202, 042-99029217

9784

Dr. Aqsa

To: (Rana Aadil Farooq), Deputy Director (QCD).

WASA, LDA, Lahore. (M/s Al-Ghani Builders & Traders).

Project: Tender No. XEN (O&M-I) AWT/2019-20/01 Acceptance Letter for the Work Laying of 12" Dia Sewer Line at Anarkali Station of Orange Line Metro Train Lahore.

Our Ref. No. CL/CED/ 9709 Dated: 21-01-20

Your Ref. No. QCD/51-52 Dated: 06-01-20

## COMPRESSION TEST REPORT

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

Specimens received on: 09-01-20 Tested on: 21-01-20 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	S		8.9x4.4x2.9	3218	39.16	44	2520	
2	S		8.8x4.4x2.9	3254	38.72	41	2380	
3	S		8.8x4.4x2.9	3271	38.72	33	1910	
4	S		8.9x4.4x2.9	3190	39.16	35	2010	
5	S		8.9x4.4x2.9	3229	39.16	47	2690	
6	S		8.8x4.4x3.0	3199	38.72	44	2550	
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Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](http://www.uet.edu.pk/faculties/facultiesinfo/department?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**  
University of Engineering and Technology, Lahore  
Phone Nos. 042-99029202, 042-99029217

9784

Dr. Aqsa

To: (Rana Aadil Farooq), Deputy Director (QCD).

WASA, LDA, Lahore. (M/s Al-Ghani Builders & Traders).

Project: Tender No. XEN (O&M-I) AWT/2019-20/02 Acceptance Letter for the Work Laying of 18" Dia Sewer Line at Anarkali Station of Orange Line Metro Train Lahore.

Our Ref. No. CL/CED/ 9710 Dated: 21-01-20

Your Ref. No. QCD/49-50 Dated: 06-01-20

## COMPRESSION TEST REPORT

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

Specimens received on: 09-01-20 Tested on: 21-01-20 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	S		8.8x4.4x3.0	3284	38.72	35	2030	
2	S		8.9x4.3x2.9	3234	38.27	42	2460	
3	S		8.8x4.4x3.0	3189	38.72	46	2670	
4	S		8.9x4.4x2.9	3219	39.16	66	3780	
5	S		8.9x4.4x2.9	3274	39.16	43	2460	
6	S		8.9x4.4x2.9	3229	39.16	41	2350	
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Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6)

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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



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

9764

Dr. Aqsa

To: **Sub Divisional Officer**

**Highway Sub Division, Wazirabad.**

**Project: Widening/Rehab.of Road from Weing Wali to Hasanwali via Gill Wala Kot Qadir Baksh, Ahmed Nagar to Dilawar Cheema & Lalupur to Kassuki in Distt. Gwa. (Length=6.50, 5.0 & 5.32 Kms. Respectively).**

Our Ref. No. CL/CED/

9711

Dated:

21-01-20

Your Ref. No.

450/W

Dated:

23-12-19

## COMPRESSION TEST REPORT

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

Specimens received on: 06-01-20 Tested on: 21-01-20 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	100		8.8x4.4x2.9	3060	38.72	46	2670	
2	100		8.8x4.4x2.9	3110	38.72	46	2670	
3	100		8.7x4.3x2.8	3029	37.41	47	2820	
4	100		8.8x4.4x2.9	3111	38.72	41	2380	
5	100		8.7x4.3x2.9	3084	37.41	39	2340	
6	100		8.8x4.4x2.9	3121	38.72	38	2200	
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Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](http://www.uet.edu.pk/faculties/facultiesinfo/department?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**