



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

10582

Dr. Mazhar Saleem

**To: Wang Bo (Project Manager)**  
**State Grid Corporation of China**  
**Project: Lahore C/S Electrode Grounding Station**

Our Ref. No. CL/CED/ 891 Dated: 28-09-20

Your Ref. No. CET/PAK/HVDC/UET-20-09-021 Dated: 21-09-20

## COMPRESSION TEST REPORT

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

Specimens received on: 21-09-20 Tested on: 28-09-20 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	Arrow		8.8x4.1x3.0	3239	38.72	53	3070	
2	Arrow		8.7x4.2x3.1	3439	36.54	77	4720	
3	Arrow		8.6x4.1x2.9	3155	35.26	59	3750	
4	Arrow		8.7x4.3x2.9	3210	37.41	69	4140	
5	BIK		8.5x4.0x2.8	3060	34	90	5930	
6	BIK		8.5x4.0x2.9	3095	34	94	6200	
7	BIK		8.4x3.9x2.8	2941	32.76	55	3770	
8	BIK		8.4x3.9x2.8	2841	32.76	86	5880	
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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

10591  
Dr. Mazhar  
Saleem

**To: Ch. Abdul Ghafoor (The Resident Engineer)**  
**PEPAC (Pvt.) Ltd. Lahore**  
**Project: Establishment of Workers Welfare Complex (Phase-I) Adjacent to Sundar Industrial Estate District Kasur (Package-T)**

Our Ref. No. CL/CED/ 892 Dated: 28-09-20

Your Ref. No. RE/PEPAC/WWCSUNDAR/T-65 Dated: 21-09-20

## COMPRESSION TEST REPORT

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

Specimens received on: 22-09-20 Tested on: 28-09-20 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	M			8.7x4.3x3.0	3389	37.41	61	3660	
2	M			8.7x4.2x3.0	3431	36.54	51	3130	
3	M			8.8x4.2x3.1	3290	36.96	37	2250	
4	M			9.0x4.4x3.0	3270	39.6	39	2210	
5	M			8.8x4.4x3.0	3395	38.72	49	2840	
6	M			8.9x4.2x3.1	3289	37.38	47	2820	
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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

10593

To: Hafiz Ozair Ahmad (Deputy Director QCD)

Dr. Mazhar Saleem

WASA, LDA, Lahore (M/s Yaseen & Amine Construction)

Project: Tender No. P&S/25.01/6275 Improvement of Settled Sewer Lines in Tipu Sultan Street Near Alumtaz Cinema, Balwant Street Sham Nagar Street No.10 Taj Colony Ganda Engine Sham Nagar, Lahore

Our Ref. No. CL/CED/

893

Dated:

28-09-20

Your Ref. No.

QCD/2382-83

Dated:

21-09-20

## COMPRESSION TEST REPORT

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

Specimens received on:

22-09-20

Tested on:

28-09-20

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	Y		8.8x4.3x3.0	3363	37.84	57	3380	
2	Y		8.8x4.2x3.1	3443	36.96	61	3700	
3	Y		8.9x4.4x3.0	3448	39.16	47	2690	
4	Y		8.8x4.3x3.0	3416	37.84	53	3140	
5	Y		9.0x4.4x3.1	3457	39.6	35	1980	
6	Y		8.8x4.4x3.1	3446	38.72	43	2490	
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10598

Dr.Mazhar Saleem

To: **Asim Majeed (Assistant Resident Engineer)**  
**Asian Consulting Engineers (Pvt.) Ltd. Lahore**  
**Project: Punjab Municipal Development Fund Company (PMDFC) Jaranwala**

Our Ref. No. CL/CED/ 894 Dated: 28-09-20

Your Ref. No. AsCE-PMDFC-JAR-ARE-004 Dated: 22-09-20

## COMPRESSION TEST REPORT

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

Specimens received on: 23-09-20 Tested on: 28-09-20 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	( 1 : 2 : 4 )	21	8	2020	6Diax12	13	28.28	43	3410	Engraved
2	( 1 : 2 : 4 )	21	8	2020	6Diax12	13.2	28.28	43	3410	Engraved
3	( 1 : 2 : 4 )	21	8	2020	6Diax12	12	28.28	43	3410	Non 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

10596

To: **Muhammad Affan (Project Manager)**

Dr. Mazhar Saleem

**ICON Residencia, Lahore**

**Project: Slab & Ramp (M~NN)(0~2), Columns (E~I) (6) (E~5), (Slab & Columns)**

Our Ref. No. CL/CED/

895

Dated:

28-09-20

Your Ref. No.

IV-11

Dated:

22-09-20

## COMPRESSION TEST REPORT

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

Specimens received on: 23-09-20 Tested on: 28-09-20 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	4000 Psi	22	6	2020	6Diax12	13.6	28.28	61	4840	Engraved
2	4000 Psi	22	6	2020	6Diax12	13.6	28.28	63	4990	Engraved
3	4000 Psi	22	6	2020	6Diax12	13.8	28.28	63	4990	Engraved
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University of Engineering and Technology, Lahore  
Phone Nos. 042-99029202, 042-99029217

10602

To: **Irfan Ali (Construction Manager)**  
**Medequips (Pvt.) Ltd., Lahore**  
**Project: Nil**

Dr.Mazhar Saleem

Our Ref. No. CL/CED/ 896 Dated: 28-09-20

Your Ref. No. Nil Dated: 24-09-20

## COMPRESSION TEST REPORT

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

Specimens received on: 24-09-20 Tested on: 28-09-20 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	Overhead Water Tank Base	21	8	2020	6Diax12	13.8	28.28	37	2940	Engraved
2	Overhead Water Tank Base	21	8	2020	6Diax12	13.8	28.28	37	2940	Engraved
3	Overhead Water Tank Base	21	8	2020	6Diax12	13.8	28.28	37	2940	Engraved
4	Overhead Water Tank Beam	26	8	2020	6Diax12	13.6	28.28	29	2300	Engraved
5	Overhead Water Tank Beam	26	8	2020	6Diax12	13	28.28	27	2140	Engraved
6	Overhead Water Tank Beam	26	8	2020	6Diax12	13.4	28.28	35	2780	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

10606

Dr. Mazhar Saleem

To: **M. Sohail Anjum (Project Manager)**

**P-156 Gulberg II, Lahore**

**Project: Construction of P-156 Gulberg II, Lahore**

Our Ref. No. CL/CED/

897

Dated:

28-09-20

Your Ref. No.

P-156-138

Dated:

25-09-20

## COMPRESSION TEST REPORT

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

Specimens received on: 25-09-20 Tested on: 28-09-20 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	561 (4500 psi)	17	9	2020	6Diax12	14.2	28.28	47	3730	Non Engraved
2	563 (4500 psi)	17	9	2020	6Diax12	14.2	28.28	49	3890	Non Engraved
3	564 (4500 psi)	17	9	2020	6Diax12	14	28.28	45	3570	Non Engraved
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**Plain and Reinforced Concrete Laboratory**  
**Department of Civil Engineering**  
University of Engineering and Technology, Lahore  
Phone Nos. 042-99029202, 042-99029217

10606

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

Dr. Mazhar Saleem

Our Ref. No. CL/CED/ 898 Dated: 28-09-20

Your Ref. No. P-156-139 Dated: 25-09-20

## COMPRESSION TEST REPORT

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

Specimens received on: 25-09-20 Tested on: 28-09-20 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	523 (3000 psi)	29	8	2020	6Diax12	14.3	28.28	61	4840	Non Engraved
2	526 (3000 psi)	29	8	2020	6Diax12	14	28.28	61	4840	Non Engraved
3	529 (3000 psi)	29	8	2020	6Diax12	14.4	28.28	71	5630	Non 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

10604

To: **Umair Maqsood (Sub Divisional Officer)**  
**Buildings Sub Division, Assembly, Lahore**

Dr.Mazhar Saleem

**Project: Construction of MPA Hostel Phase-II Lahore (Group No. 02)**

Our Ref. No. CL/CED/ 899 Dated: 28-09-20

Your Ref. No. 2814 Dated: 22-09-20

## COMPRESSION TEST REPORT

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

Specimens received on: 24-09-20 Tested on: 28-09-20 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	Piles	26	8	2020	6x6x6	9	36	86	5360	Engraved
2	Piles	26	8	2020	6x6x6	9.2	36	104	6480	Engraved
3										
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**supervisor(lab)**

**Director/Dy. Director Concrete Laboratory**



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

10604

To: **Umair Maqsood (Sub Divisional Officer)**  
**Buildings Sub Division, Assembly, Lahore**

Dr. Mazhar Saleem

**Project: Construction of MPA Hostel Phase-II Lahore (Group No. 02)**

Our Ref. No. CL/CED/ 900 Dated: 28-09-20

Your Ref. No. 2816 Dated: 22-09-20

## COMPRESSION TEST REPORT

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

Specimens received on: 24-09-20 Tested on: 28-09-20 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	Piles	27	8	2020	6x6x6	8.8	36	102	6350	Engraved
2	Piles	27	8	2020	6x6x6	9.2	36	83	5170	Engraved
3										
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**supervisor(lab)**

**Director/Dy. Director Concrete Laboratory**



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

10604

To: **Umair Maqsood (Sub Divisional Officer)**

Dr. Mazhar Saleem

**Buildings Sub Division, Assembly, Lahore**

**Project: Construction of 60-No. Staff Quarters (Grade 1 to 10) at MPA's Hostel Lahore**

Our Ref. No. CL/CED/ 901 Dated: 28-09-20

Your Ref. No. 2812 Dated: 22-09-20

## COMPRESSION TEST REPORT

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

Specimens received on: 24-09-20 Tested on: 28-09-20 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	R.C.C Wall	22	8	2020	6x6x6	9	36	87	5420	Engraved
2	R.C.C Wall	22	8	2020	6x6x6	8.4	36	69	4300	Engraved
3										
4										
5										
6										
7										
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\*\*\*\* 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**