



# Plain and Reinforced Concrete Laboratory

## Department of Civil Engineering

University of Engineering and Technology, Lahore

Phone Nos. 042-99029202, 042-99029217

10680

To: Deputy Director (Development Sialkot)

Dr. Mazhar Saleem

Office of The Deputy Commissioner Sialkot

Project: Construction of Drains, Sewerage and Tuff Tile, Johdy Wali UC Pinad Ariyan, UC Haji Pura and P/L Installation Filtration Plant Moh. Islam Pura Near Masjid Panjtan Pak, P/L of Water Supply Pipe Lines in Mohallah Arazi Yaqoob UC Hamza Ghous

Our Ref. No. CL/CED/

957

Dated:

12-10-20

Your Ref. No.

DD(Dev.)/SKT/281/566

Dated:

09-10-20

## COMPRESSION TEST REPORT

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

Specimens received on: 12-10-20 Tested on: 12-10-20 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	Uni-block Grey		2.3 Thick	3161	36.9	81	4920	
2	Uni-block Grey		2.3 Thick	3348	36.9	136	8260	
3	Uni-block Grey		2.3 Thick	3196	36.9	81	4920	
4	Uni-block Grey		2.3 Thick	3507	36.9	216	13120	
5	Uni-block Grey		2.3 Thick	3457	36.9	208	12630	
6	Uni-block Grey		2.3 Thick	3542	36.9	212	12870	
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								

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

10655  
Dr. Aqsa

**To: Qamar Uz Zaman (Project Manager)**  
**Aujla & Associates Town Developers (Pvt.) Ltd. Gujranwala**  
**Project: Overhead Water Reservoir No.8 Shaft Royal Palm City Housing Scheme Gujranwala**

Our Ref. No. CL/CED/ 958 Dated: 12-10-20

Your Ref. No. Nil Dated: 07-10-20

## COMPRESSION TEST REPORT

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

Specimens received on: 07-10-20 Tested on: 08-10-20 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 : 1.5 : 3 )	15	9	2020	6x6x6	8.6	36	140	8720	Non Engraved
2	( 1 : 1.5 : 3 )	15	9	2020	6x6x6	8.6	36	116	7220	Non Engraved
3	( 1 : 1.5 : 3 )	15	9	2020	6x6x6	8.6	36	127	7910	Non Engraved
4	( 1 : 1.5 : 3 )	15	9	2020	6x6x6	8.8	36	139	8650	Non Engraved
5	( 1 : 1.5 : 3 )	15	9	2020	6x6x6	8.3	36	113	7040	Non Engraved
6	( 1 : 1.5 : 3 )	15	9	2020	6x6x6	8.6	36	142	8840	Non Engraved
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

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

10655  
Dr. Aqsa

**To: Qamar Uz Zaman (Project Manager)**  
**Aujla & Associates Town Developers (Pvt.) Ltd. Gujranwala**  
**Project: Overhead Water Reservoir No.7 Shaft Royal Palm City Housing Scheme Gujranwala**

Our Ref. No. CL/CED/ 959 Dated: 12-10-20

Your Ref. No. Nil Dated: 07-10-20

## COMPRESSION TEST REPORT

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

Specimens received on: 07-10-20 Tested on: 08-10-20 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	( 1 : 1.5 : 3 )	10	9	2020	6x6x6	8.8	36	102	6350	Non Engraved
2	( 1 : 1.5 : 3 )	10	9	2020	6x6x6	9	36	116	7220	Non Engraved
3	( 1 : 1.5 : 3 )	10	9	2020	6x6x6	9	36	96	5980	Non Engraved
4	( 1 : 1.5 : 3 )	10	9	2020	6x6x6	9.2	36	109	6790	Non Engraved
5	( 1 : 1.5 : 3 )	10	9	2020	6x6x6	8.8	36	108	6720	Non Engraved
6	( 1 : 1.5 : 3 )	10	9	2020	6x6x6	9	36	103	6410	Non Engraved
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/departments/testing\\_reports?id=6](http://www.uet.edu.pk/faculties/facultiesinfo/departments/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

10655  
Dr. Aqsa

**To: Qamar Uz Zaman (Project Manager)**  
**Aujla & Associates Town Developers (Pvt.) Ltd. Gujranwala**  
**Project: Warehouse Building Columns Royal Palm City Housing Scheme Gujranwala**

Our Ref. No. CL/CED/ 960 Dated: 12-10-20

Your Ref. No. Nil Dated: 07-10-20

## COMPRESSION TEST REPORT

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

Specimens received on: 07-10-20 Tested on: 08-10-20 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	( 1 : 1.5 : 3 )	16	9	2020	6x6x6	8.6	36	134	8340	Non Engraved
2	( 1 : 1.5 : 3 )	16	9	2020	6x6x6	9	36	134	8340	Non Engraved
3	( 1 : 1.5 : 3 )	16	9	2020	6x6x6	8	36	81	5040	Non Engraved
4	( 1 : 1.5 : 3 )	16	9	2020	6x6x6	8.6	36	130	8090	Non Engraved
5	( 1 : 1.5 : 3 )	16	9	2020	6x6x6	8.6	36	124	7720	Non Engraved
6	( 1 : 1.5 : 3 )	16	9	2020	6x6x6	8.6	36	123	7660	Non Engraved
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

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

10655  
Dr. Aqsa

**To: Qamar Uz Zaman (Project Manager)**  
**Aujla & Associates Town Developers (Pvt.) Ltd. Gujranwala**  
**Project: Overhead Water Reservoir No.9 Bowl Royal Palm City Housing Scheme Gujranwala**

Our Ref. No. CL/CED/ 961 Dated: 12-10-20

Your Ref. No. Nil Dated: 07-10-20

## COMPRESSION TEST REPORT

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

Specimens received on: 07-10-20 Tested on: 08-10-20 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	( 1 : 1.5 : 3 )	11	9	2020	6x6x6	8.8	36	141	8780	Non Engraved
2	( 1 : 1.5 : 3 )	11	9	2020	6x6x6	8.6	36	129	8030	Non Engraved
3	( 1 : 1.5 : 3 )	11	9	2020	6x6x6	9	36	112	6970	Non Engraved
4	( 1 : 1.5 : 3 )	11	9	2020	6x6x6	9	36	120	7470	Non Engraved
5	( 1 : 1.5 : 3 )	11	9	2020	6x6x6	9	36	141	8780	Non Engraved
6	( 1 : 1.5 : 3 )	11	9	2020	6x6x6	9	36	114	7100	Non Engraved
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

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

10655

Dr. M. Yousaf

**To: Qamar Uz Zaman (Project Manager)**  
**Aujla & Associates Town Developers (Pvt.) Ltd. Gujranwala**  
**Project: Commercial Area Palm (Roads) Royal Palm City Housing Scheme Gujranwala**

Our Ref. No. CL/CED/ 962 Dated: 12-10-20

Your Ref. No. Nil Dated: 07-10-20

## COMPRESSION TEST REPORT

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

Specimens received on: 07-10-20 Tested on: 09-10-20 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 Black		7.7x3.7x2.4	2718	28.49	106	8340	
2	Rectangular Black		7.7x3.7x2.4	2562	28.49	70	5510	
3	Rectangular Black		7.7x3.7x2.4	2640	28.49	59	4640	
4	Rectangular Black		7.7x3.7x2.4	2605	28.49	67	5270	
5	Rectangular Black		7.7x3.7x2.4	2551	28.49	63	4960	
6	Rectangular Black		7.7x3.7x2.4	2688	28.49	73	5740	
7	Rectangular Mustard		7.7x3.7x2.3	2623	28.49	95	7470	
8	Rectangular Mustard		7.7x3.7x2.3	2685	28.49	86	6770	
9	Rectangular Mustard		7.7x3.7x2.3	2575	28.49	121	9520	
10	Rectangular Mustard		7.7x3.7x2.3	2501	28.49	135	10620	
11	Rectangular Mustard		7.7x3.7x2.3	2536	28.49	51	4010	
12	Rectangular Mustard		7.7x3.7x2.3	2534	28.49	96	7550	
13								
14								
15								
16								

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

10655  
Dr. M. Yousaf

**To: Qamar Uz Zaman (Project Manager)**  
**Aujla & Associates Town Developers (Pvt.) Ltd. Gujranwala**  
**Project: Main Park Walkway Royal Palm City Housing Scheme Gujranwala**

Our Ref. No. CL/CED/ 963 Dated: 12-10-20

Your Ref. No. Nil Dated: 07-10-20

## COMPRESSION TEST REPORT

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

Specimens received on: 07-10-20 Tested on: 09-10-20 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	Square Black		4.0x4.0x2.0	1162	16	26	3640	
2	Square Black		4.0x4.0x2.0	1164	16	31	4340	
3	Square Black		4.0x4.0x2.0	1105	16	16	2240	
4	Square Mustard		4.0x4.0x2.0	1106	16	17	2380	
5	Square Mustard		4.0x4.0x2.0	1136	16	19	2660	
6	Square Mustard		4.0x4.0x2.0	1145	16	11	1540	
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								

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

10655

Dr. M. Yousaf

**To: Qamar Uz Zaman (Project Manager)**  
**Aujla & Associates Town Developers (Pvt.) Ltd. Gujranwala**  
**Project: PSO Filling Station Royal Palm City Housing Scheme Gujranwala**

Our Ref. No. CL/CED/ 964 Dated: 12-10-20

Your Ref. No. Nil Dated: 07-10-20

## COMPRESSION TEST REPORT

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

Specimens received on: 07-10-20 Tested on: 09-10-20 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 Black		7.7x3.7x2.4	2825	28.49	90	7080	
2	Rectangular Black		7.7x3.7x2.4	2680	28.49	94	7400	
3	Rectangular Black		7.7x3.7x2.4	2626	28.49	97	7630	
4	Rectangular Black		7.7x3.7x2.4	2573	28.49	106	8340	
5	Rectangular Black		7.7x3.7x2.4	2671	28.49	73	5740	
6	Rectangular Black		7.7x3.7x2.4	2670	28.49	110	8650	
7	Rectangular Black		7.7x3.7x2.4	2725	28.49	83	6530	
8	Rectangular Black		7.7x3.7x2.4	2559	28.49	80	6290	
9	Rectangular Mustard		7.7x3.7x2.3	2446	28.49	154	12110	
10	Rectangular Mustard		7.7x3.7x2.3	2474	28.49	94	7400	
11	Rectangular Mustard		7.7x3.7x2.3	2580	28.49	55	4330	
12	Rectangular Mustard		7.7x3.7x2.3	2522	28.49	124	9750	
13								
14								
15								
16								

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

10657

Dr. Mazhar Saleem

To: Assistant Project Director

PMU-SBP, Sargodha

Project: Construction of Tehsil Sports Complex at Mianwali (GS # 342)

Our Ref. No. CL/CED/

965

Dated:

12-10-20

Your Ref. No.

Nil

Dated:

25-09-20

## COMPRESSION TEST REPORT

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

Specimens received on: 08-10-20 Tested on: 12-10-20 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 Red		7.8x3.8x3.1	3611	29.64	108	8170	
2	Rectangular Red		7.8x3.8x3.1	3650	29.64	100	7560	
3	Rectangular Red		7.8x3.8x3.1	3634	29.64	108	8170	
4	Rectangular Red		7.8x3.8x3.1	3667	29.64	106	8020	
5	Rectangular Red		7.8x3.8x3.1	3621	29.64	100	7560	
6	Rectangular Red		7.8x3.8x3.1	3646	29.64	104	7860	
7	Rectangular Red		7.8x3.8x3.1	3717	29.64	90	6810	
8	Rectangular Red		7.8x3.8x3.1	3597	29.64	112	8470	
9	Rectangular Red		7.8x3.8x3.1	3654	29.64	104	7860	
10	Rectangular Red		7.8x3.8x3.1	3624	29.64	94	7110	
11	Rectangular Red		7.8x3.8x3.1	3592	29.64	106	8020	
12	Rectangular Red		7.8x3.8x3.1	3629	29.64	104	7860	
13								
14								
15								
16								

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

10663

Dr. Mazhar Saleem

To: **Babar Hassan (P.I. WASO GINUM)**  
**Pakistan Atomic Energy Commission**  
Project: Nil

Our Ref. No. CL/CED/ 966 Dated: 12-10-20

Your Ref. No. Nil Dated: 06-10-20

## COMPRESSION TEST REPORT

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

Specimens received on: 09-10-20 Tested on: 12-10-20 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	Footing	20	8	2020	6x6x6	8.6	36	68	4240	Engraved
2	Footing	20	8	2020	6x6x6	8.8	36	71	4420	Engraved
3	Footing	20	8	2020	6x6x6	8.8	36	73	4550	Engraved
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

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

10663

To: **Muhammad Saleem (GM)**

Dr. Mazhar Saleem

**Professional Construction Services (Pvt.) Ltd. Lahore**

**Project: Construction of Nutribel (Pvt.) Ltd. Factory at Sunder Industrial Estate, Lahore**

Our Ref. No. CL/CED/ 967 Dated: 12-10-20

Your Ref. No. PCS/20/Eng-74 Dated: 09-10-20

## COMPRESSION TEST REPORT

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

Specimens received on: 09-10-20 Tested on: 12-10-20 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
		8	9	2020						
1	1st Floor Slab	8	9	2020	6x6x6	9	36	94	5850	Non Engraved
2	1st Floor Slab	8	9	2020	6x6x6	9	36	92	5730	Non Engraved
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

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

10667

To: **Executive Engineer**

Dr. Mazhar Saleem

**Highway Division, Narowal**

**Project: Rehabilitation of Road From Marrara to Rupo Chak Via Amral Jarpal, Sulehrian, Jandiala and Chohali (Length - 8.00 KM) "Part-1 L-5.60KM" District Narowal**

Our Ref. No. CL/CED/ 968 Dated: 12-10-20

Your Ref. No. 720/DB Dated: 02-10-20

## COMPRESSION TEST REPORT

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

Specimens received on: 09-10-20 Tested on: 12-10-20 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	( 1 : 1.5 : 3 )	2	9	2020	6x6x6	8.8	36	104	6480	Non Engraved
2	( 1 : 1.5 : 3 )	2	9	2020	6x6x6	9	36	96	5980	Non Engraved
3	( 1 : 1.5 : 3 )	2	9	2020	6x6x6	8.6	36	98	6100	Non Engraved
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

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

10670

To: **Aftab Ahmed (Resident Engineer)**  
**Amad Anwar & Partner, Lahore Cantt.**

Dr. Mazhar Saleem

**Project: Construction of Business Hub on Commercial Broadway Phase-VIII**

Our Ref. No. CL/CED/ 969 Dated: 12-10-20

Your Ref. No. 410/3/BusinessHub/Ph-VIII/M&F Dated: 28-09-20

## COMPRESSION TEST REPORT

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

Specimens received on: 09-10-20 Tested on: 12-10-20 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		7.7x3.8x3.0	3292	29.26	73	5590	
2	Rectangular Grey		7.7x3.8x3.0	3374	29.26	96	7350	
3	Rectangular Grey		7.7x3.8x3.0	3385	29.26	86	6590	
4	Rectangular Grey		7.7x3.8x3.0	3418	29.26	98	7510	
5	Rectangular Grey		7.7x3.8x3.0	3373	29.26	79	6050	
6	Rectangular Grey		7.7x3.8x3.0	3311	29.26	81	6210	
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								

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

10671

To: **Sub Divisional Officer**

Dr.Mazhar Saleem

**Buildings Sub Division No. 15, Lahore**

**Project: Construction of New Administration Block in The Premises of Lahore High Court Lahore**

Our Ref. No. CL/CED/ 970 Dated: 12-10-20

Your Ref. No. 1069 Dated: 29-09-20

## COMPRESSION TEST REPORT

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

Specimens received on: 09-10-20 Tested on: 12-10-20 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	Columns in 6th Floor	2	9	2020	6x6x6	9	36	96	5980	Non Engraved
2	Columns in 6th Floor	2	9	2020	6x6x6	9.4	36	81	5040	Non Engraved
3	Columns in 6th Floor	2	9	2020	6x6x6	9.6	36	158	9840	Non Engraved
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

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

10671

To: **Sub Divisional Officer**

Dr.Mazhar Saleem

**Buildings Sub Division No. 15, Lahore**

**Project: Construction of New Administration Block in The Premises of Lahore High Court Lahore**

Our Ref. No. CL/CED/ 971 Dated: 12-10-20

Your Ref. No. 1075 Dated: 01-10-20

## COMPRESSION TEST REPORT

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

Specimens received on: 09-10-20 Tested on: 12-10-20 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	Lift Well in 6th Floor	3	9	2020	6x6x6	9.4	36	114	7100	Non Engraved
2	Lift Well in 6th Floor	3	9	2020	6x6x6	9.4	36	116	7220	Non Engraved
3	Lift Well in 6th Floor	3	9	2020	6x6x6	9.2	36	84	5230	Non Engraved
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/departement?RID=testing\\_reports&id=6](http://www.uet.edu.pk/faculties/facultiesinfo/departement?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