



# Plain and Reinforced Concrete Laboratory

## Department of Civil Engineering

University of Engineering and Technology, Lahore

Phone Nos. 042-99029202, 042-99029217

92

Dr. Umbreen

To: **Riaz Ahmed**  
**Riaz Construction Company, Lahore**  
**Project: TCF High School Sanghla, Chak 28**

Our Ref. No. CL/CED/ 1157 Dated: 11-11-20

Your Ref. No. Nil Dated: 05-11-20

## COMPRESSION TEST REPORT

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

Specimens received on: 05-11-20 Tested on: 10-11-20 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		21	9	2020	6x6x6	8.8	36	92	5730	Engraved
2		21	9	2020	6x6x6	8.8	36	81	5040	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" 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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**Department of Civil Engineering**  
University of Engineering and Technology, Lahore  
Phone Nos. 042-99029202, 042-99029217

92

Dr. Umbreen

**To: Riaz Ahmed**  
**Riaz Construction Company, Lahore**  
**Project: TCF Primary School Narowal**

Our Ref. No. CL/CED/ 1158 Dated: 11-11-20

Your Ref. No. Nil Dated: 05-11-20

## COMPRESSION TEST REPORT

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

Specimens received on: 05-11-20 Tested on: 10-11-20 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
		5	10	2020						
1		5	10	2020	6x6x6	8.8	36	77	4800	Engraved
2		5	10	2020	6x6x6	9	36	77	4800	Engraved
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**supervisor(lab)**

**Director/Dy. Director Concrete Laboratory**



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Phone Nos. 042-99029202, 042-99029217

93

Dr. Aqsa

**To: Mr. Muhammad Shabbir (Project Manager)**  
**Mukhtar Sons Construction (Pvt.) Ltd.**  
**Project: Naveena Apartments, 35-C, Gulberg III, Lahore (1300 Psi)**

Our Ref. No. CL/CED/ 1159 Dated: 11-11-20

Your Ref. No. Nil Dated: 05-11-20

## COMPRESSION TEST REPORT

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

Specimens received on: 05-11-20 Tested on: 11-11-20 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	Hollow Block		15.0x5.8x7.5	15.4	52.4	95	4070	
2	Hollow Block		15.0x5.8x7.5	15.2	52.4	92	3940	
3	Hollow Block		15.0x5.8x7.5	15.2	52.4	91	3890	
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Phone Nos. 042-99029202, 042-99029217

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Dr. Umbreen

To: **M. Imran**  
**Lahore**  
**Project: Nil**

Our Ref. No. CL/CED/ 1160 Dated: 11-11-20  
Your Ref. No. Nil Dated: 06-11-20

## COMPRESSION TEST REPORT

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

Specimens received on: 06-11-20 Tested on: 10-11-20 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	Raft	1	10	2020	6x6x6	8.2	36	55	3430	Engraved
2	Raft	1	10	2020	6x6x6	8.2	36	61	3800	Engraved
3	R.W	17	10	2020	6x6x6	8.4	36	49	3050	Engraved
4	R.W	17	10	2020	6x6x6	8.2	36	53	3300	Engraved
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91

Dr. Aqsa

To: **Mirza M. Arshad Baig (Resident Engineer)**  
**Meinhardt Pakistan (Pvt.) Ltd. Islamabad**  
**Project: PEC Building Lahore**

Our Ref. No. CL/CED/ 1161 Dated: 11-11-20

Your Ref. No. MPPL/Proj/PEC/LHR/RE/24 Dated: 05-11-20

## COMPRESSION TEST REPORT

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

Specimens received on: 05-11-20 Tested on: 11-11-20 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		27	10	2020	6Diax12	13.8	28.28	77	6100	Engraved
2		27	10	2020	6Diax12	13.4	28.28	79	6260	Engraved
3		28	10	2020	6Diax12	13.2	28.28	65	5150	Engraved
4		28	10	2020	6Diax12	13.2	28.28	65	5150	Engraved
5		29	10	2020	6Diax12	13.4	28.28	56	4440	Engraved
6		29	10	2020	6Diax12	13.2	28.28	60	4760	Engraved
7		30	10	2020	6Diax12	13.2	28.28	59	4680	Engraved
8		30	10	2020	6Diax12	13	28.28	57	4520	Engraved
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**supervisor(lab)**

**Director/Dy. Director Concrete Laboratory**



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91

Dr. Aqsa

**To: Mirza M. Arshad Baig (Resident Engineer)**  
**Meinhardt Pakistan (Pvt.) Ltd. Islamabad**  
**Project: PEC Building Lahore**

Our Ref. No. CL/CED/ 1162 Dated: 11-11-20

Your Ref. No. MPPL/Proj/PEC/LHR/RE/25 Dated: 05-11-20

## COMPRESSION TEST REPORT

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

Specimens received on: 05-11-20 Tested on: 11-11-20 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		7	10	2020	6Diax12	14	28.28	55	4360	Non Engraved
2		7	10	2020	6Diax12	13.4	28.28	75	5950	Non Engraved
3		7	10	2020	6Diax12	14.2	28.28	50	3960	Non Engraved
4		8	10	2020	6Diax12	13.6	28.28	69	5470	Non Engraved
5		8	10	2020	6Diax12	13.8	28.28	67	5310	Non Engraved
6		8	10	2020	6Diax12	13	28.28	53	4200	Non Engraved
7		9	10	2020	6Diax12	13.8	28.28	62	4920	Non Engraved
8		9	10	2020	6Diax12	14	28.28	66	5230	Non Engraved
9		9	10	2020	6Diax12	13.4	28.28	52	4120	Non Engraved
10		10	10	2020	6Diax12	14	28.28	68	5390	Non Engraved
11		10	10	2020	6Diax12	13.2	28.28	59	4680	Non Engraved
12		10	10	2020	6Diax12	13.6	28.28	71	5630	Non Engraved
13										
14										
15										
16										

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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

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Dr. Umbreen

To: Engr. Tariq Hasan (Deputy Director Works)

Govt of The Punjab, Mines Labour Welfare Commissioner, Lahore

Project: Establishment of Mines Labour Welfare Dispensary Salar Band Tribal Area Tehsil Koh-e-Suleman District D.G. Khan

Our Ref. No. CL/CED/ 1163 Dated: 11-11-20

Your Ref. No. MLW/C.E/MT/50/17-9071 Dated: 05-11-20

## COMPRESSION TEST REPORT

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

Specimens received on: 06-11-20 Tested on: 10-11-20 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
		Day	Month	Year						
1	Roof Slab	23	7	2020	6x6x6	8	36	55	3430	Engraved
2	Roof Slab	23	7	2020	6x6x6	8	36	49	3050	Non Engraved
3										
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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

97

Dr. Umbreen

To: Engr. Tariq Hasan (Deputy Director Works)

Govt of The Punjab, Mines Labour Welfare Commissioner, Lahore

Project: Establishment of Mines Labour Welfare Dispensary Basti Dahar Tribal Area Tehsil Koh-e-Suleman District D.G. Khan

Our Ref. No. CL/CED/ 1164 Dated: 11-11-20

Your Ref. No. MLW/C.E/MT/50/17-9073 Dated: 05-11-20

## COMPRESSION TEST REPORT

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

Specimens received on: 06-11-20 Tested on: 10-11-20 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	Roof Slab	28	5	2020	6x6x6	8.8	36	71	4420	Engraved
2	Roof Slab	28	5	2020	6x6x6	8.4	36	86	5360	Engraved
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## Department of Civil Engineering

University of Engineering and Technology, Lahore

Phone Nos. 042-99029202, 042-99029217

97

To: Engr. Tariq Hasan (Deputy Director Works)

Dr. Umbreen

Govt of The Punjab, Mines Labour Welfare Commissioner, Lahore

Project: Establishment of Mines Labour Welfare Dispensary Sanghar Ghulki, Tribal Area Tehsil Koh-e-Suleman District D.G. Khan

Our Ref. No. CL/CED/ 1165 Dated: 11-11-20

Your Ref. No. MLW/C.E/MT/50/17-9070 Dated: 05-11-20

## COMPRESSION TEST REPORT

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

Specimens received on: 06-11-20 Tested on: 10-11-20 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	Roof Slab	19	7	2020	6x6x6	8.4	36	100	6230	Engraved
2	Roof Slab	23	9	2020	6x6x6	8	36	45	2800	Engraved
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