



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

10100  
Dr. M. Yousof

**To: Muhammad Essa (Chief Financial Officer)**  
**Markhor Developers (Pvt) Ltd. 68-Shadman-Colony, Phase-I, Lahore.**  
**Project: Construction of 75-Shadman-I, Lahore. (Tetra Engineering (Pvt) Ltd.)**

Our Ref. No. CL/CED/ 87 Dated: 13-05-20  
Your Ref. No. Nil Dated: 21-04-20

## COMPRESSION TEST REPORT

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

Specimens received on: 30-04-20 Tested on: 11-05-20 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	(3000) Psi, Slab	9	3	2020	6Diax12	14.4	28.28	48	3810	Engraved
2	(3000) Psi, Slab	9	3	2020	6Diax12	14	28.28	47	3730	Engraved
3	(3000) Psi, Slab	9	3	2020	6Diax12	14	28.28	47	3730	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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Our Ref. No. CL/CED/ 88 Dated: 13-05-20

Your Ref. No. Nil Dated: 21-04-20

## COMPRESSION TEST REPORT

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

Specimens received on: 30-04-20 Tested on: 11-05-20 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	(3000) Psi, Ramp	15	3	2020	6Diax12	14	28.28	56	4440	Engraved
2	(3000) Psi, Ramp	15	3	2020	6Diax12	14	28.28	56	4440	Engraved
3	(3000) Psi, Ramp	15	3	2020	6Diax12	14	28.28	60	4760	Engraved
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**To: Muhammad Essa (Chief Financial Officer)**  
**Markhor Developers (Pvt) Ltd. 68-Shadman-Colony, Phase-I, Lahore.**  
**Project: Construction of 75-Shadman-I, Lahore. (Strong Ready Mix).**

Our Ref. No. CL/CED/ 89 Dated: 13-05-20

Your Ref. No. Nil Dated: 16-03-20

## COMPRESSION TEST REPORT

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

Specimens received on: 30-04-20 Tested on: 11-05-20 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	(6000) Psi, Column	17	2	2020	6Diax12	14.2	28.28	83	6580	Engraved
2	(6000) Psi, Column	17	2	2020	6Diax12	14	28.28	67	5310	Engraved
3	(6000) Psi, Column	17	2	2020	6Diax12	14.3	28.28	63	4990	Engraved
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**Project: Construction of 75-Shadman-I, Lahore. (Strong Ready Mix).**

Our Ref. No. CL/CED/ 90 Dated: 13-05-20

Your Ref. No. Nil Dated: 16-03-20

## COMPRESSION TEST REPORT

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

Specimens received on: 30-04-20 Tested on: 11-05-20 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, RCC Wall	15	2	2020	6Diax12	14.4	28.28	66	5230	Engraved
2	(5500) Psi, RCC Wall	15	2	2020	6Diax12	14	28.28	89	7050	Engraved
3	(5500) Psi, RCC Wall	15	2	2020	6Diax12	14	28.28	69	5470	Engraved
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**Markhor Developers (Pvt) Ltd. 68-Shadman-Colony, Phase-I, Lahore.**  
**Project: Construction of 75-Shadman-I, Lahore. (Strong Ready Mix).**

Dr. M. Yousaf

Our Ref. No. CL/CED/ 91 Dated: 13-05-20

Your Ref. No. Nil Dated: 21-04-20

## COMPRESSION TEST REPORT

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

Specimens received on: 30-04-20 Tested on: 11-05-20 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	(6000) Psi, Share Wall and Column	22	2	2020	6Diax12	14	28.28	70	5550	Engraved
2	(6000) Psi, Share Wall and Column	22	2	2020	6Diax12	14	28.28	84	6660	Engraved
3	(6000) Psi, Share Wall and Column	22	2	2020	6Diax12	14	28.28	75	5950	Engraved
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10108  
Dr. M. Yousaf

**To: (Safdar Iqbal Ahmad Tarar), Assistant Executive Engineer-III**  
**Central Civil Division No.II, Pak P.W.D. Lahore.**  
**Project: Construction of Barrack in NAB Complex Lahore.**

Our Ref. No. CL/CED/ 92 Dated: 13-05-20  
Your Ref. No. AEE-III/CCD-II/LHR/313 Dated: 26-02-20

## COMPRESSION TEST REPORT

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

Specimens received on: 07-05-20 Tested on: 11-05-20 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	1st Floor Beams & Slab	18	2	2020	6x6x6	9	36	94	5850	Non Engraved
2	1st Floor Beams & Slab	18	2	2020	6x6x6	9	36	69	4300	Non Engraved
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**Central Civil Division No.II, Pak P.W.D. Lahore.**  
**Project: Construction of Barrack in NAB Complex Lahore.**

Dr. M. Yousaf

Our Ref. No. CL/CED/ 93 Dated: 13-05-20

Your Ref. No. AEE-III/CCD-II/LHR/337 Dated: 15-04-20

## COMPRESSION TEST REPORT

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

Specimens received on: 07-05-20 Tested on: 11-05-20 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
		2	3	2020						
1	2nd Floor Columns	2	3	2020	6x6x6	9	36	104	6480	Non Engraved
2	2nd Floor Columns	2	3	2020	6x6x6	9	36	86	5360	Non Engraved
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**Central Civil Division No.II, Pak P.W.D. Lahore.**  
**Project: Construction of Barrack in NAB Complex Lahore.**

Our Ref. No. CL/CED/ 94 Dated: 13-05-20  
Your Ref. No. AEE-III/CCD-II/LHR/338 Dated: 17-04-20

## COMPRESSION TEST REPORT

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

Specimens received on: 07-05-20 Tested on: 11-05-20 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	2nd Floor Beams & Slab	15	3	2020	6x6x6	9	36	63	3920	Non Engraved
2	2nd Floor Beams & Slab	15	3	2020	6x6x6	9	36	73	4550	Non Engraved
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