



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

8219

Dr. Rizwan Riaz

To: Mr. Muhammad Saeed, Project Manager
Mukhtar Sons Construction Pvt Ltd. (Client, Mint Properties Pvt Ltd.)
Project: Apartment Building, 60-L, Kalma Chowk, Gulberg III, Lahore.

Our Ref. No. CL/CED/ 7568 Dated: 21-03-19

Your Ref. No. Nil Dated: 05-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 07-03-19 Tested on: 20-03-19 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	Talwar			3437	8.8x4.3x2.9	3046	37.84	33	1960	12.83
2	Talwar			3483	8.9x4.3x2.9	3114	38.27	37	2170	11.84
3	Talwar			3489	8.9x4.3x3	3147	38.27	35	2050	10.86
4	Talwar			3531	8.9x4.4x2.9	3099	39.16	43	2460	13.93
5	Talwar			3557	8.8x4.3x3	3149	37.84	41	2430	12.95
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Results can also be seen on website 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

8270

Engr. Aamina

To: **Imran Akhtar, Project Manager**
CM Engineering Pvt. Ltd.
Project: CMPAK, Site ID-41518

Our Ref. No. CL/CED/ 7569 Dated: 21-03-19

Your Ref. No. CME/Cubes/CMPAK/483 Dated: 16-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 15-03-19 Tested on: 19-03-19 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	Column	9	3	2019	6x6x6	8	36	81	5040	Non Engraved
2	Column	9	3	2019	6x6x6	8.4	36	104	6480	Non Engraved
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8270

Engr. Aamina

To: Imran Akhtar, Project Manager
CM Engineering Pvt. Ltd.
Project: CMPAK, Site ID-41518

Our Ref. No. CL/CED/ 7570 Dated: 21-03-19

Your Ref. No. CME/Cubes/CMPAK/482 Dated: 14-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 15-03-19 Tested on: 19-03-19 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	7	3	2019	6x6x6	8.8	36	67	4170	Non Engraved
2	Raft	7	3	2019	6x6x6	8.4	36	63	3920	Non Engraved
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8270

Engr. Aamina

To: **Imran Akhtar, Project Manager**
CM Engineering Pvt. Ltd.
Project: CMPAK, Site ID-42628

Our Ref. No. CL/CED/ 7571 Dated: 21-03-19

Your Ref. No. CME/Cubes/CMPAK/481 Dated: 14-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 15-03-19 Tested on: 19-03-19 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	Pier Foundation	7	3	2019	6x6x6	8	36	88	5480	Non Engraved
2	Pier Foundation	7	3	2019	6x6x6	8.2	36	86	5360	Non Engraved
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8270

Engr. Aamina

To: Imran Akhtar, Project Manager
CM Engineering Pvt. Ltd.
Project: CMPAK, Site ID-42626

Our Ref. No. CL/CED/ 7572 Dated: 21-03-19

Your Ref. No. CME/Cubes/CMPAK/480 Dated: 13-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 15-03-19 Tested on: 19-03-19 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	Pier Foundation	6	3	2019	6x6x6	8	36	42	2620	Non Engraved
2	Pier Foundation	6	3	2019	6x6x6	8	36	76	4730	Non Engraved
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Engr. Aamina

To: **Imran Akhtar, Project Manager**
CM Engineering Pvt. Ltd.
Project: CMPAK, Site ID-42474

Our Ref. No. CL/CED/ 7573 Dated: 21-03-19

Your Ref. No. CME/Cubes/CMPAK/479 Dated: 10-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 15-03-19 Tested on: 19-03-19 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	Pier Foundation	3	3	2019	6x6x6	8.4	36	65	4050	Non Engraved
2	Pier Foundation	3	3	2019	6x6x6	8.2	36	66	4110	Non Engraved
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8270

Engr. Aamina

To: Imran Akhtar, Project Manager
CM Engineering Pvt. Ltd.
Project: CMPAK, Site ID-42462

Our Ref. No. CL/CED/ 7574 Dated: 21-03-19

Your Ref. No. CME/Cubes/CMPAK/478 Dated: 07-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 15-03-19 Tested on: 19-03-19 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	Pier Foundation	28	2	2019	6x6x6	8.4	36	94	5850	Non Engraved
2	Pier Foundation	28	2	2019	6x6x6	8.6	36	97	6040	Non Engraved
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8270
Engr. Aamina

To: **Imran Akhtar, Project Manager**
CM Engineering Pvt. Ltd.
Project: CMPAK, Site ID-42426

Our Ref. No. CL/CED/ 7575 Dated: 21-03-19

Your Ref. No. CME/Cubes/CMPAK/477 Dated: 11-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 15-03-19 Tested on: 19-03-19 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	Pier Foundation	4	3	2019	6x6x6	8.2	36	104	6480	Non Engraved
2	Pier Foundation	4	3	2019	6x6x6	8.4	36	102	6350	Non Engraved
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supervisor(lab)

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Phone Nos. 042-99029202, 042-99029217

To: **Imran Akhtar, Project Manager**
CM Engineering Pvt. Ltd.
Project: CMPAK, Site ID-41088

8270
Engr. Aamina

Our Ref. No. CL/CED/ 7576 Dated: 21-03-19
Your Ref. No. CME/Cubes/CMPAK/475 Dated: 16-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 15-03-19 Tested on: 19-03-19 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	Pier Foundation	16	2	2019	6x6x6	8	36	111	6910	Non Engraved
2	Pier Foundation	16	2	2019	6x6x6	8.2	36	128	7970	Non Engraved
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supervisor(lab)

Director/Dy. Director Concrete Laboratory



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8270

Engr. Aamina

To: **Imran Akhtar, Project Manager**
CM Engineering Pvt. Ltd.
Project: CMPAK, Site ID-42487

Our Ref. No. CL/CED/ 7577 Dated: 21-03-19

Your Ref. No. CME/Cubes/CMPAK/476 Dated: 14-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 15-03-19 Tested on: 19-03-19 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	Pier Foundation	14	2	2019	6x6x6	8.2	36	45	2800	Non Engraved
2	Pier Foundation	14	2	2019	6x6x6	8	36	79	4920	Non Engraved
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Director/Dy. Director Concrete Laboratory



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8270

Engr. Aamina

To: **Imran Akhtar, Project Manager**
CM Engineering Pvt. Ltd.
Project: CMPAK, Site ID-41252

Our Ref. No. CL/CED/ 7578 Dated: 21-03-19

Your Ref. No. CME/Cubes/CMPAK/474 Dated: 11-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 15-03-19 Tested on: 19-03-19 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	Pier Foundation	11	2	2019	6x6x6	8	36	131	8160	Non Engraved
2	Pier Foundation	11	2	2019	6x6x6	8.2	36	99	6160	Non Engraved
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8271

Engr. Aamina

To: **Sub Divisional Officer**

Buildings Sub Division No.20, Lahore.

Project: Establishment of Tilapia Research & Training Institute of Lahore. (S.R. Tank No.2)

Our Ref. No. CL/CED/ 7579 Dated: 21-03-19

Your Ref. No. 68/20th Dated: 04-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 15-03-19 Tested on: 19-03-19 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	RCC Roof Slab	26	2	2019	6x6x6	8.4	36	67	4170	Non Engraved
2	RCC Roof Slab	26	2	2019	6x6x6	8.4	36	66	4110	Non Engraved
3	RCC Roof Slab	26	2	2019	6x6x6	8	36	67	4170	Non Engraved
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8256

Engr. Aamina

To: **Executive Engineer**

Highways Division, Narowal.

Project:(Grp-1)(ADP 2018-19) Rehab./Improvement of Muridke Narowal Road (L-33.21 KM)

Our Ref. No. CL/CED/ 7580-1 of 2 Dated: 21-03-19

Your Ref. No. 307/DB Dated: 12-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 13-03-19 Tested on: 19-03-19 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	Span N0.1	6	1	2019	6x6x6	8.4	36	59	3680	Non Engraved
2	Span N0.1	6	1	2019	6x6x6	8.4	36	73	4550	Non Engraved
3	Span N0.1	6	1	2019	6x6x6	8.2	36	81	5040	Non Engraved
4	Diaphragm 01	7	1	2019	6x6x6	8.2	36	54	3360	Non Engraved
5	Diaphragm 01	7	1	2019	6x6x6	8.8	36	118	7350	Non Engraved
6	Diaphragm 01	7	1	2019	6x6x6	8.4	36	92	5730	Non Engraved
7	Span N0.2	10	1	2019	6x6x6	8.8	36	106	6600	Non Engraved
8	Span N0.2	10	1	2019	6x6x6	8.2	36	43	2680	Non Engraved
9	Span N0.2	10	1	2019	6x6x6	9	36	108	6720	Non Engraved
10	Diaphragm 02	12	1	2019	6x6x6	8	36	63	3920	Non Engraved
11	Diaphragm 02	12	1	2019	6x6x6	8	36	53	3300	Non Engraved
12	Diaphragm 02	12	1	2019	6x6x6	8.2	36	57	3550	Non Engraved
13	Deck Slab No.1	29	1	2019	6x6x6	8.4	36	92	5730	Non Engraved
14	Deck Slab No.1	29	1	2019	6x6x6	8.4	36	58	3610	Non Engraved
15	Deck Slab No.1	29	1	2019	6x6x6	8.6	36	112	6970	Non Engraved
End	---	---	---	---	---	---	---	---	---	---

Results can also be seen on website 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

8256

Engr. Aamina

To: **Executive Engineer**

Highways Division, Narowal.

Project:(Grp-1)(ADP 2018-19) Rehab./Improvement of Muridke Narowal Road (L-33.21 KM)

Our Ref. No. CL/CED/

7580-2 of 2

Dated:

21-03-19

Your Ref. No.

307/DB

Dated:

12-03-19

COMPRESSION TEST REPORT

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

Specimens received on:

13-03-19

Tested on:

19-03-19

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	Deck Slab No.2	9	2	2019	6x6x6	8.4	36	52	3240	Non Engraved
2	Deck Slab No.2	9	2	2019	6x6x6	8.3	36	51	3180	Non Engraved
3	Deck Slab No.2	9	2	2019	6x6x6	9	36	98	6100	Non Engraved
4	FPB/Side Span #1	30	1	2019	6x6x6	9	36	83	5170	Non Engraved
5	FPB/Side Span #1	30	1	2019	6x6x6	8.4	36	57	3550	Non Engraved
6	FPB/Side Span #1	30	1	2019	6x6x6	8.2	36	59	3680	Non Engraved
7	FPB/Side Span 2	10	2	2019	6x6x6	9	36	89	5540	Non Engraved
8	FPB/Side Span 2	10	2	2019	6x6x6	8.4	36	39	2430	Non Engraved
9	FPB/Side Span 2	10	2	2019	6x6x6	8.2	36	62	3860	Non Engraved
END	---	---	---	---	---	---	---	---	---	---
11										
12										
13										
14										
15										
16										

Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departments?RID=testing_reports&id=6

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** BS3921 requires average of ten clay brick samples for crushing strength and water absorption

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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

8233
D. Umbreen

To: Municipal Officer (Infrastructure)
Municipal Committee Toba Tek Singh
Project: Provi. & Laying. W.S Pipe Line, RCC Sewer, PCC&Tuff Pavers Mohallah Eid Gah Ward NO. 20 TTS.

Our Ref. No. CL/CED/ 7581 Dated: 21-03-19
Your Ref. No. 23/MC/TTS Dated: 16-01-19

COMPRESSION TEST REPORT

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

Specimens received on: 08-03-19 Tested on: 13-03-19 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	Recangular Grey				7.8x3.8x2.3	2720	29.64	106	8020	
2	Recangular Grey				7.8x3.8x2.3	2689	29.64	116	8770	
3	Recangular Grey				7.8x3.8x2.3	2666	29.64	96	7260	
END	---	---	---	---	---	---	---	---	---	---
5										
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departement?RID=testing_reports&id=6

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Director/Dy. Director Concrete Laboratory