



Plain and Reinforced Concrete Laboratory

Department of Civil Engineering

University of Engineering and Technology, Lahore

Phone Nos. 042-99029202, 042-99029217

10394

Dr. M. Yousaf

To: **M. Shabaz Iqbal**
BPS (Pvt.) Ltd. Lahore
Project: Alpha Homes (Apartments)

Our Ref. No. CL/CED/ 581 Dated: 12-08-20

Your Ref. No. Nil Dated: 07-08-20

COMPRESSION TEST REPORT

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

Specimens received on: 07-08-20 Tested on: 10-08-20 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	Grid 44 A-F	23	6	2020	6Diax12	14	28.28	44	3490	Non Engraved
2	Grid 44 A-F	23	6	2020	6Diax12	14	28.28	36	2860	Non Engraved
3	Grid 44-38 F	23	6	2020	6Diax12	14	28.28	41	3250	Non Engraved
4	41 to 43 A/D	28	7	2020	6Diax12	13.6	28.28	38	3010	Non Engraved
5	41 to 43 A/D	28	7	2020	6Diax12	14	28.28	43	3410	Non Engraved
6	43 to 41 A/D (Raft)	28	7	2020	6Diax12	13.4	28.28	21	1670	Non Engraved
7	43 to 41 A/D (Raft)	28	7	2020	6Diax12	13	28.28	22	1750	Non Engraved
8	43 to 41 A/D (Raft)	28	7	2020	6Diax12	13.4	28.28	46	3650	Non Engraved
9	43 to 41 A/D (Raft)	28	7	2020	6Diax12	13.4	28.28	41	3250	Non Engraved
10										
11										
12										
13										
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15										
16										

Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departments?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



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

10378

To: Assistant Director (Tech-II)

Dr. Umbreen

Anti-Corruption Establishment, Bahawalpur Region, Bahawalpur

Project: Regular Enquiry 796/18 Against Officers / Officials Provincial Highway Rahim Yar Khan

Our Ref. No. CL/CED/ 561-3 of 3 Dated: 12-08-20

Your Ref. No. ACE-BR-Tech-20/454 Dated: 28-07-20

COMPRESSION TEST REPORT

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

Specimens received on: 29-07-20 Tested on: 12-08-20 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	Kerb Stone (RD 42 + 00)		6.0x6.0x6.0	8	36	69	4300	Cut Cube
2	Kerb Stone (RD 27 + 00)		6.0x5.9x6.0	8	35.4	63	3990	Cut Cube
3	Kerb Stone (RD 98 + 00)		6.0x6.0x6.0	8	36	77	4800	Cut Cube
4	Kerb Stone (R/S 18 + 00)		6.0x6.0x6.0	7.8	36	81	5040	Cut Cube
5	Kerb Stone (RD 42 + 00 L/S)		6.0x6.0x6.0	8	36	98	6100	Cut Cube
6	Kerb Stone (RD 20 + 00)		6.0x5.9x6.0	7.6	35.4	45	2850	Cut Cube
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11								
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16								

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

10391
Dr. M. Yousaf

To: M. Furqan (Project Manager)
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-52754, Column / BTS PAD

Our Ref. No. CL/CED/ 582 Dated: 12-08-20

Your Ref. No. CME/Cube/CMPAK/628 Dated: 30-07-20

COMPRESSION TEST REPORT

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

Specimens received on: 06-08-20 Tested on: 07-08-20 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
		23	7	2020						
1	(1 : 1.5 : 3)	23	7	2020	6x6x6	8.2	36	94	5850	Non Engraved
2	(1 : 1.5 : 3)	23	7	2020	6x6x6	8.2	36	107	6660	Non Engraved
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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.

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Phone Nos. 042-99029202, 042-99029217

10391

Dr. M. Yousaf

To: **M. Furqan (Project Manager)**
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-52659, Column / BTS PAD

Our Ref. No. CL/CED/ 583 Dated: 12-08-20

Your Ref. No. CME/Cube/CMPAK/629 Dated: 30-07-20

COMPRESSION TEST REPORT

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

Specimens received on: 06-08-20 Tested on: 07-08-20 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)	23	7	2020	6x6x6	8.2	36	88	5480	Non Engraved
2	(1 : 1.5 : 3)	23	7	2020	6x6x6	8.2	36	39	2430	Non Engraved
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*** 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

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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)

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10391

Dr. M. Yousaf

To: Imran Akhtar (Project Manager)
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-43059, Pier Foundation

Our Ref. No. CL/CED/ 584 Dated: 12-08-20

Your Ref. No. CME/Cube/CMPAK/630 Dated: 23-07-20

COMPRESSION TEST REPORT

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

Specimens received on: 06-08-20 Tested on: 07-08-20 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)	16	7	2020	6x6x6	8.6	36	106	6600	Non Engraved
2	(1 : 1.5 : 3)	16	7	2020	6x6x6	8.2	36	66	4110	Non Engraved
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*** 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)

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Phone Nos. 042-99029202, 042-99029217

10391

Dr. M. Yousaf

To: **M. Furqan (Project Manager)**
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-52659, Raft Foundation

Our Ref. No. CL/CED/ 585 Dated: 12-08-20

Your Ref. No. CME/Cube/CMPAK/626 Dated: 28-07-20

COMPRESSION TEST REPORT

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

Specimens received on: 06-08-20 Tested on: 07-08-20 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	(1 : 1.5 : 3)	21	7	2020	6x6x6	8.6	36	112	6970	Non Engraved
2	(1 : 1.5 : 3)	21	7	2020	6x6x6	8.4	36	104	6480	Non Engraved
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*** 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

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10391

Dr. M. Yousaf

To: **M. Furqan (Project Manager)**
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-52754, Raft Foundation

Our Ref. No. CL/CED/ 586 Dated: 12-08-20

Your Ref. No. CME/Cube/CMPAK/625 Dated: 27-07-20

COMPRESSION TEST REPORT

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

Specimens received on: 06-08-20 Tested on: 07-08-20 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)	20	7	2020	6x6x6	8.8	36	58	3610	Non Engraved
2	(1 : 1.5 : 3)	20	7	2020	6x6x6	9	36	75	4670	Non Engraved
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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.

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Phone Nos. 042-99029202, 042-99029217

10391

Dr. M. Yousaf

To: **M. Furqan (Project Manager)**
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-52618, Drill Pier / BTS Pad

Our Ref. No. CL/CED/ 587 Dated: 12-08-20

Your Ref. No. CME/Cube/CMPAK/624 Dated: 23-07-20

COMPRESSION TEST REPORT

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

Specimens received on: 06-08-20 Tested on: 07-08-20 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)	16	7	2020	6x6x6	8.8	36	80	4980	Non Engraved
2	(1 : 1.5 : 3)	16	7	2020	6x6x6	8.4	36	98	6100	Non Engraved
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16										

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10391
Dr. M. Yousaf

To: **M. Furqan (Project Manager)**
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-52523, Raft Foundation

Our Ref. No. CL/CED/ 588 Dated: 12-08-20

Your Ref. No. CME/Cube/CMPAK/620 Dated: 28-07-20

COMPRESSION TEST REPORT

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

Specimens received on: 06-08-20 Tested on: 07-08-20 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)	30	6	2020	6x6x6	8.2	36	109	6790	Non Engraved
2	(1 : 1.5 : 3)	30	6	2020	6x6x6	8.4	36	72	4480	Non Engraved
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10391

Dr. M. Yousaf

To: M. Furqan (Project Manager)
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-52523, Column / BTS Pad

Our Ref. No. CL/CED/ 589 Dated: 12-08-20

Your Ref. No. CME/Cube/CMPAK/621 Dated: 30-07-20

COMPRESSION TEST REPORT

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

Specimens received on: 06-08-20 Tested on: 07-08-20 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)	2	7	2020	6x6x6	8.4	36	120	7470	Non Engraved
2	(1 : 1.5 : 3)	2	7	2020	6x6x6	8.6	36	106	6600	Non Engraved
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10391
Dr. M. Yousaf

To: M. Furqan (Project Manager)
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-52587, Drill Pier / BTS Pad

Our Ref. No. CL/CED/ 590 Dated: 12-08-20

Your Ref. No. CME/Cube/CMPAK/622 Dated: 31-07-20

COMPRESSION TEST REPORT

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

Specimens received on: 06-08-20 Tested on: 07-08-20 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)	3	7	2020	6x6x6	8.6	36	98	6100	Non Engraved
2	(1 : 1.5 : 3)	3	7	2020	6x6x6	8.4	36	73	4550	Non Engraved
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