



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

To: **Imran Akhtar, Project Manager**
CM Engineering Pvt. Ltd.
Project: CMPAK Site ID-42673

8571
Dr. Umbreen

Our Ref. No. CL/CED/ 8055 Dated: 14-05-19
Your Ref. No. CME/Cubes/CMPAK/499 Dated: 01-05-19

COMPRESSION TEST REPORT

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

Specimens received on: 03-05-19 Tested on: 13-05-19 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	3	4	2019	6x6x6	8.4	36	124	7720	Non Engraved
2	Raft	3	4	2019	6x6x6	8.3	36	77	4800	Non Engraved
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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"diax12" 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

8571

Dr. Umbreen

To: **Imran Akhtar, Project Manager**
CM Engineering Pvt. Ltd.
Project: CMPAK Site ID-42673

Our Ref. No. CL/CED/ 8056 Dated: 14-05-19

Your Ref. No. CME/Cubes/CMPAK/500 Dated: 03-05-19

COMPRESSION TEST REPORT

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

Specimens received on: 03-05-19 Tested on: 13-05-19 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	5	4	2019	6x6x6	8.2	36	124	7720	Non Engraved
2	Column	5	4	2019	6x6x6	8.4	36	98	6100	Non Engraved
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Director/Dy. Director Concrete Laboratory



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Phone Nos. 042-99029202, 042-99029217

8571
Dr. Umbreen

To: Imran Akhtar, Project Manager
CM Engineering Pvt. Ltd.
Project: CMPAK Site ID-42624

Our Ref. No. CL/CED/ 8057 Dated: 14-05-19

Your Ref. No. CME/Cubes/CMPAK/501 Dated: 02-05-19

COMPRESSION TEST REPORT

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

Specimens received on: 03-05-19 Tested on: 13-05-19 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	25	4	2019	6x6x6	8.2	36	98	6100	Non Engraved
2	Pier Foundation	25	4	2019	6x6x6	8.2	36	104	6480	Non Engraved
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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

8571

To: **Imran Akhtar, Project Manager**
CM Engineering Pvt. Ltd.
Project: CMPAK Site ID-42622

Dr. Umbreen

Our Ref. No. CL/CED/ 8058 Dated: 14-05-19

Your Ref. No. CME/Cubes/CMPAK/502 Dated: 30-04-19

COMPRESSION TEST REPORT

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

Specimens received on: 03-05-19 Tested on: 13-05-19 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	23	4	2019	6x6x6	8	36	94	5850	Non Engraved
2	Raft	23	4	2019	6x6x6	8	36	94	5850	Non Engraved
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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

8497

Dr. Aqsa

To: Sub Divisional Officer

Buildings Sub Division Shekhupura.

Project: Constt. of PHP at Jhabran Hafizabad Road Tehsil Shekhupura District Shekhupura.

Our Ref. No. CL/CED/

8059

Dated:

14-05-19

Your Ref. No.

4339/S

Dated:

05-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 19-04-19 Tested on: 09-05-19 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	S		8.9x4.3x3.0	3260	38.27	40	2350	
2	S		8.8x4.2x3.0	3208	36.96	50	3040	
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supervisor(lab)

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

8510

To: Maintenance Engineer-II
University of the Punjab.

Engr. A. Rehman

Project: Constt. of Madrasa for Jamia Masjid at QAC.

Our Ref. No. CL/CED/ 8060 Dated: 14-05-19

Your Ref. No. D-800.ME-II Dated: 09-04-19

COMPRESSION TEST REPORT

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

Specimens received on: 23-04-19 Tested on: 06-05-19 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	P				8.8x4.3x2.9	3232	37.84	35	2080	
2	P				8.8x4.3x2.8	3207	37.84	34	2020	
3	P				8.9x4.2x2.8	3148	37.38	46	2760	
4	P				8.7x4.2x2.8	3303	36.54	54	3320	
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supervisor(lab)

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

8526
Dr. Aqsa

To: Sub Divisional Officer
Buildings Sub Division C.M Sectt; Lahore.
Project: Constd. of Security Arrangements in C.M Office at 7-Club Road & 90-SQA, Lahore.

Our Ref. No. CL/CED/ 8061 Dated: 14-05-19

Your Ref. No. SDO/CMS/799 Dated: 19-04-19

COMPRESSION TEST REPORT

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

Specimens received on: 24-04-19 Tested on: 13-05-19 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	ABC			3680	8.9x4.3x2.9	3328	38.27	53	3110	10.57
2	ABC			3645	9.0x4.3x3.0	3307	38.7	50	2900	10.22
3	ABC			3579	8.9x4.2x2.9	3297	37.38	59	3540	8.55
4	AS			3585	9.0x4.1x3.0	3285	36.9	49	2980	9.13
5	AS			3590	8.8x4.0x2.9	3319	35.2	63	4010	8.16
6	AS			3593	9.0x4.2x3.0	3313	37.8	34	2020	8.45
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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

8512

Dr. Umbreen

To: Project Manager
Omega Villas Pvt. Ltd. Lahore. Main Sharaqpur Road, Lahore.
Project:

Our Ref. No. CL/CED/ 8062 Dated: 14-05-19

Your Ref. No. OV/HO/002 Dated: 22-04-19

COMPRESSION TEST REPORT

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

Specimens received on: 23-04-19 Tested on: 13-05-19 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		24	3	2019	6x6x6	8.4	36	59	3680	Non Engraved
2		24	3	2019	6x6x6	8.2	36	53	3300	Non Engraved
3		9	4	2019	6x6x6	8.2	36	71	4420	Non Engraved
4		9	4	2019	6x6x6	8.4	36	77	4800	Non Engraved
5		21	3	2019	6x6x6	8.6	36	86	5360	Non Engraved
6		26	3	2019	6x6x6	8.6	36	63	3920	Non Engraved
7		29	3	2019	6x6x6	8.4	36	45	2800	Non Engraved
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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

8512

Dr. Umbreen

To: Project Manager

Omega Villas Pvt. Ltd. Lahore. Main Sharaqpur Road, Lahore.

Project:

Our Ref. No. CL/CED/

8063

Dated:

14-05-19

Your Ref. No.

Nil

Dated:

08-04-19

COMPRESSION TEST REPORT

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

Specimens received on: 23-04-19 Tested on: 13-05-19 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		28	3	2019	6x6x6	8	36	47	2930	Engraved
2		28	3	2019	6x6x6	8	36	59	3680	Engraved
3		28	3	2019	6x6x6	8	36	49	3050	Engraved
4		7	4	2019	6x6x6	8	36	75	4670	Engraved
5		7	4	2019	6x6x6	8	36	83	5170	Engraved
6		7	4	2019	6x6x6	8	36	81	5040	Engraved
7		15	4	2019	6x6x6	8	36	75	4670	Engraved
8		15	4	2019	6x6x6	8.2	36	73	4550	Engraved
9		15	4	2019	6x6x6	8.1	36	73	4550	Engraved
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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

8533

Engr. Aamina

To: **Abdul Ghafar, Project Manager**

Liberty Builders 17-A Cooper Road, Lahore.

Project: Constt. of Zee Avenue, 17-A Cooper Road, Lahore. Zone-C Part-1, Raft Foundation.

Our Ref. No. CL/CED/

8064

Dated:

14-05-19

Your Ref. No.

CONC-20190424

Dated:

24-04-19

COMPRESSION TEST REPORT

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

Specimens received on:

25-04-19

Tested on:

06-05-19

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	568	17	4	2019	6Diax12	13.6	28.28	68	5390	Non Engraved
2	569	17	4	2019	6Diax12	13.6	28.28	71	5630	Non Engraved
3	570	17	4	2019	6Diax12	13.4	28.28	39	3090	Non Engraved
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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

8533

To: **Abdul Ghafar, Project Manager**

Engr. Aamina

Liberty Builders 17-A Cooper Road, Lahore.

Project: Constt. of Zee Avenue, 17-A Cooper Road, Lahore. Zone-C Part-1, Raft Foundation.

Our Ref. No. CL/CED/

8065

Dated:

14-05-19

Your Ref. No.

CONC-20190425

Dated:

25-04-19

COMPRESSION TEST REPORT

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

Specimens received on:

25-04-19

Tested on:

06-05-19

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	581	18	4	2019	6Diax12	13.4	28.28	57	4520	Non Engraved
2	582	18	4	2019	6Diax12	14	28.28	66	5230	Non Engraved
3	583	18	4	2019	6Diax12	13.4	28.28	64	5070	Non Engraved
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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

8534

Engr. Aamina

To: **Abdul Ghafar, Project Manager**

Liberty Builders 17-A Cooper Road, Lahore.

Project: Constt. of Zee Avenue, 17-A Cooper Road, Lahore. Zone-A, First Floor Columns.

Our Ref. No. CL/CED/

8066

Dated:

14-05-19

Your Ref. No.

CONC-20190425

Dated:

25-04-19

COMPRESSION TEST REPORT

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

Specimens received on:

25-04-19

Tested on:

06-05-19 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	479	28	3	2019	6Diax12	14	28.28	83	6580	Non Engraved
2	480	28	3	2019	6Diax12	13.8	28.28	73	5790	Non Engraved
3	481	28	3	2019	6Diax12	14	28.28	78	6180	Non Engraved
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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

8558
Dr. Rizwan
Azam

To: **Abdul Ghafar, Project Manager**
Liberty Builders 17-A Cooper Road, Lahore.
Project: Constt. of Zee Avenue, 17-A Cooper Road, Lahore. Trial Mix.

Our Ref. No. CL/CED/ 8067 Dated: 14-05-19

Your Ref. No. CONC-20190427 Dated: 27-04-19

COMPRESSION TEST REPORT

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

Specimens received on: 30-04-19 Tested on: 30-04-19 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	602	20	4	2019	6Diax12	14	28.28	59	4680	Non Engraved
2	603	20	4	2019	6Diax12	14	28.28	57	4520	Non Engraved
End	---	---	---	---	---	---	---	---	---	---
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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"diax12" 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

8553

To: **Abdul Ghafar, Project Manager**

Engr. Aamina

Liberty Builders 17-A Cooper Road, Lahore.

Project: Constt. of Zee Avenue, 17-A Cooper Road, Lahore. Zone-C, Part-1, Raft Foundation.

Our Ref. No. CL/CED/

8068

Dated:

14-05-19

Your Ref. No.

CONC-20190426

Dated:

26-04-19

COMPRESSION TEST REPORT

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

Specimens received on:

29-04-19

Tested on:

06-05-19

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	593	19	4	2019	6Diax12	13.4	28.28	70	5550	Non Engraved
2	594	19	4	2019	6Diax12	14.2	28.28	53	4200	Non Engraved
3	595	19	4	2019	6Diax12	14	28.28	55	4360	Non Engraved
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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" diax12" 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

8618

Dr. Umbreen

To: **Sohail Ahsan, Project Manager**
I-Engineering Group Pakistan.
Project: CMPAK, Site ID-52269

Our Ref. No. CL/CED/ 8069 Dated: 14-05-19

Your Ref. No. ieng/Cubes/CMPAK/69-3 Dated: 21-04-19

COMPRESSION TEST REPORT

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

Specimens received on: 14-05-19 Tested on: 14-05-19 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	14	4	2019	6x6x6	8.2	36	88	5480	Non Engraved
2	Raft	14	4	2019	6x6x6	8	36	98	6100	Non Engraved
End	---	---	---	---	---	---	---	---	---	---
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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

8618

Dr. Umbreen

To: **Sohail Ahsan, Project Manager**
I-Engineering Group Pakistan.
Project: CMPAK, Site ID-52269

Our Ref. No. CL/CED/ 8070 Dated: 14-05-19

Your Ref. No. ieng/Cubes/CMPAK/69-2 Dated: 24-04-19

COMPRESSION TEST REPORT

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

Specimens received on: 14-05-19 Tested on: 14-05-19 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	17	4	2019	6x6x6	8.2	36	100	6230	Non Engraved
2	Column	17	4	2019	6x6x6	8.4	36	100	6230	Non Engraved
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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

8618

Dr. Umbreen

To: **Sohail Ahsan, Project Manager**
I-Engineering Group Pakistan.
Project: CMPAK, Site ID-52269

Our Ref. No. CL/CED/ 8071 Dated: 14-05-19

Your Ref. No. ieng/Cubes/CMPAK/69-1 Dated: 28-04-19

COMPRESSION TEST REPORT

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

Specimens received on: 14-05-19 Tested on: 14-05-19 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	ODU&DG PAD	21	4	2019	6x6x6	8.2	36	98	6100	Non Engraved
2	ODU&DG PAD	21	4	2019	6x6x6	8.2	36	108	6720	Non Engraved
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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

8618

Dr. Umbreen

To: Sohail Ahsan, Project Manager

I-Engineering Group Pakistan.

Project: CMPAK, Site ID-51811, Tower Foundation, ODU & DG PAD.

Our Ref. No. CL/CED/ 8072 Dated: 14-05-19

Your Ref. No. ieng/Cubes/CMPAK/811 Dated: 27-04-19

COMPRESSION TEST REPORT

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

Specimens received on: 14-05-19 Tested on: 14-05-19 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		20	4	2019	6x6x6	8	36	98	6100	Non Engraved
2		20	4	2019	6x6x6	8.1	36	100	6230	Non Engraved
End	---	---	---	---	---	---	---	---	---	---
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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

8553

To: **Abdul Ghafar, Project Manager**

Engr. Aamina

Liberty Builders 17-A Cooper Road, Lahore.

Project: Constt. of Zee Avenue, 17-A Cooper Road, Lahore. Zone-A, F.F Column, Zone-B, G.F Slab.

Our Ref. No. CL/CED/

8073

Dated:

14-05-19

Your Ref. No.

CONC-20190429

Dated:

29-04-19

COMPRESSION TEST REPORT

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

Specimens received on:

29-04-19

Tested on:

06-05-19 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	485	31	3	2019	6Diax12	14	28.28	80	6340	Non Engraved
2	486	31	3	2019	6Diax12	13.8	28.28	75	5950	Non Engraved
3	487	31	3	2019	6Diax12	14	28.28	78	6180	Non Engraved
4	494	1	4	2019	6Diax12	14	28.28	51	4040	Non Engraved
5	495	1	4	2019	6Diax12	14	28.28	51	4040	Non Engraved
6	496	1	4	2019	6Diax12	13.8	28.28	62	4920	Non Engraved
End	---	---	---	---	---	---	---	---	---	---
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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" diax12" 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

8553

To: **Abdul Ghafar, Project Manager**

Engr. Aamina

Liberty Builders 17-A Cooper Road, Lahore.

Project: Constt. of Zee Avenue, 17-A Cooper Road, Lhr. Zone-B, F.F Lift S.Wall, Zone-B, F.F Column

Our Ref. No. CL/CED/

8074

Dated:

14-05-19

Your Ref. No.

CONC-20190429

Dated:

29-04-19

COMPRESSION TEST REPORT

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

Specimens received on:

29-04-19

Tested on:

06-05-19

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	611	22	4	2019	6Diax12	14	28.28	55	4360	Non Engraved
2	612	22	4	2019	6Diax12	14	28.28	61	4840	Non Engraved
3	613	22	4	2019	6Diax12	13.8	28.28	47	3730	Non Engraved
4	617	22	4	2019	6Diax12	14.4	28.28	68	5390	Non Engraved
5	618	22	4	2019	6Diax12	14	28.28	71	5630	Non Engraved
6	619	22	4	2019	6Diax12	14	28.28	63	5000	Non Engraved
End	---	---	---	---	---	---	---	---	---	---
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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" diax12" 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

8553

To: **Abdul Ghafar, Project Manager**

Engr. Aamina

Liberty Builders 17-A Cooper Road, Lahore.

Project: Constt. of Zee Avenue, 17-A Cooper Road, Lhr. Zone-A, F.F Column, Zone-A, Lift Walls.

Our Ref. No. CL/CED/

8075

Dated:

14-05-19

Your Ref. No.

CONC-20190429

Dated:

29-04-19

COMPRESSION TEST REPORT

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

Specimens received on:

29-04-19

Tested on:

06-05-19 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	510	2	4	2019	6Diax12	14	28.28	73	5790	Non Engraved
2	511	2	4	2019	6Diax12	13.8	28.28	40	3170	Non Engraved
3	512	2	4	2019	6Diax12	14	28.28	71	5630	Non Engraved
4	516	2	4	2019	6Diax12	14	28.28	70	5550	Non Engraved
5	517	2	4	2019	6Diax12	13.6	28.28	50	3970	Non Engraved
6	518	2	4	2019	6Diax12	14	28.28	68	5390	Non Engraved
End	---	---	---	---	---	---	---	---	---	---
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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" diax12" 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