



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

973

To: **Engr. Bilal Yaqoob Virk (Assistant Executive Engineer-II)**

Dr. Umbreen

**Pak. PWD Gujranwala**

**Project: Enhancement & Expansion of Building Infrastructure of NHMP Training College Sheikhpura, Phase-I (SH: Establishment of Trainees Hostel)**

Our Ref. No. CL/CED/ 2690 Dated: 08-04-21

Your Ref. No. AEE-II/CCD/GA/Work /NHMP/P-I/Lab/38 Dated: 30-03-21

## COMPRESSION TEST REPORT

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

Specimens received on: 31-03-21 Tested on: 01-04-21 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	First Floor Columns	7	2	2021	6x6x6	8.6	36	71	4420	Engraved
2	First Floor Columns	7	2	2021	6x6x6	8.4	36	77	4800	Engraved
3	First Floor Columns	9	2	2021	6x6x6	8.8	36	75	4670	Engraved
4										
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Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/departments?RID=testing\\_reports&id=6](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**  
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Phone Nos. 042-99029202, 042-99029217

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Dr. Umbreen

**Pak. PWD Gujranwala**

**Project: Enhancement & Expansion of Building Infrastructure of NHMP Training College Sheikhpura, Phase-I (SH: Establishment of Trainees Hostel)**

Our Ref. No. CL/CED/ 2691 Dated: 08-04-21

Your Ref. No. AEE-II/CCD/GA/Work /NHMP/P-I/Lab/37 Dated: 30-03-21

## COMPRESSION TEST REPORT

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

Specimens received on: 31-03-21 Tested on: 01-04-21 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	Ground Floor Beam & Slab	31	1	2021	6x6x6	8.2	36	43	2680	Engraved
2	Ground Floor Beam & Slab	31	1	2021	6x6x6	8.8	36	45	2800	Engraved
3										
4										
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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

973

To: Engr. Bilal Yaqoob Virk (Assistant Executive Engineer-II)

Dr. Umbreen

Pak. PWD Gujranwala

Project: Enhancement & Expansion of Building Infrastructure of NHMP Training College Sheikhpura, Phase-I (SH: Establishment of Trainees Hostel)

Our Ref. No. CL/CED/

2692

Dated:

08-04-21

Your Ref. No.

AEE-II/CCD/GA/Work  
/NHMP/P-I/Lab/39

Dated:

30-03-21

## COMPRESSION TEST REPORT

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

Specimens received on:

31-03-21

Tested on:

01-04-21

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	First Floor Beam & Slab	25	2	2021	6x6x6	9	36	55	3430	Engraved
2	First Floor Beam & Slab	25	2	2021	6x6x6	8.8	36	55	3430	Engraved
3	First Floor Beam & Slab	16	2	2021	6x6x6	8.8	36	49	3050	Engraved
4										
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Phone Nos. 042-99029202, 042-99029217

979

Dr. M. Yousaf

**To: Project Manager**  
**Q-Links Property Management Pvt. Ltd.**  
**Project: Jasmine Grand Mall, Bahria Town, Lahore**

Our Ref. No. CL/CED/ 2693 Dated: 08-04-21

Your Ref. No. QLC-BO-BH2-2021-022 Dated: 30-03-21

## COMPRESSION TEST REPORT

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

Specimens received on: 31-03-21 Tested on: 02-04-21 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	Footing Beams (3000 Psi)	22	3	2021	6Diax12	14.2	28.28	38	3010	Non Engraved
2	Footing Beams (3000 Psi)	22	3	2021	6Diax12	13.8	28.28	41	3250	Engraved
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University of Engineering and Technology, Lahore  
Phone Nos. 042-99029202, 042-99029217

997

Dr. M. Yousaf

**To: Project Manager**  
**Q-Links Property Management Pvt. Ltd.**  
**Project: Jasmine Grand Mall, Bahria Town, Lahore**

Our Ref. No. CL/CED/ 2694 Dated: 08-04-21

Your Ref. No. QLC-BO-BH2-2021-023 Dated: 01-04-21

## COMPRESSION TEST REPORT

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

Specimens received on: 01-04-21 Tested on: 02-04-21 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	Ground Floor Columns (BH3)	4	3	2021	6Diax12	11.2	28.28	18	1430	Non Engraved
2	Ground Floor Columns (BH3)	4	3	2021	6Diax12	11.8	28.28	64	5070	Non Engraved
3	Cargo Lift Double Capsule Lift	4	3	2021	6Diax12	12.8	28.28	58	4600	Non Engraved
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983

To: **Mr. Muhammad Azeem (Operation Manager)**

Dr. M. Yousaf

**Amer Adnan Associates, Lahore**

**Project: Hotel Building at 24-A Block E/2 at Gulberg III, Lahore**

Our Ref. No. CL/CED/ 2695 Dated: 08-04-21

Your Ref. No. AAA/24A/0030 Dated: 31-03-21

## COMPRESSION TEST REPORT

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

Specimens received on: 31-03-21 Tested on: 02-04-21 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	4500 Psi	24	3	2021	6Diax12	14.4	28.28	90	7130	Non Engraved
2	4500 Psi	24	3	2021	6Diax12	14.2	28.28	92	7290	Non Engraved
3	4500 Psi	24	3	2021	6Diax12	14	28.28	89	7050	Non Engraved
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984

Dr. M. Yousaf

**To: M/s AA & Associates**  
**Phase II, D.H.A Lahore**  
**Project: MCB Bank Lallian K. Momin**

Our Ref. No. CL/CED/ 2696 Dated: 08-04-21

Your Ref. No. Nil Dated: 30-03-21

## COMPRESSION TEST REPORT

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

Specimens received on: 31-03-21 Tested on: 02-04-21 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		2	2	2021	6Diax12	13.8	28.28	58	4600	Non Engraved
2		2	2	2021	6Diax12	13.6	28.28	61	4840	Non Engraved
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Phone Nos. 042-99029202, 042-99029217

980

To: **Engr. Muhammad Saleem (Assistant Resident Engineer)**

Dr. M. Yousaf

**M/s AR Engineers, Lahore**

**Project: Construction of Jewel-1 Apartment Plaza at Gulberg-3, Lahore**

Our Ref. No. CL/CED/

2697

Dated:

08-04-21

Your Ref. No.

ARST-0011

Dated:

31-03-21

## COMPRESSION TEST REPORT

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

Specimens received on: 31-03-21 Tested on: 02-04-21 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	R-01	25	2	2021	6Diax12	13.2	28.28	31	2460	Non Engraved
2	R-02	25	2	2021	6Diax12	14	28.28	39	3090	Non Engraved
3	R-03	25	2	2021	6Diax12	14.4	28.28	57	4520	Non Engraved
4	B-01	19	2	2021	6Diax12	14.2	28.28	79	6260	Non Engraved
5	B-02	19	2	2021	6Diax12	14	28.28	60	4760	Non Engraved
6	B-03	19	2	2021	6Diax12	14.4	28.28	86	6820	Non Engraved
7										
8										
9										
10										
11										
12										
13										
14										
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16										

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Phone Nos. 042-99029202, 042-99029217

981

Dr. Umbreen

To: **Sub Divisional Officer**

**Building Sub Division, Kasur**

**Project: (EMIS Code: 3514.876) Construction of Additional Class Rooms (ADP 2020-21/GS N. 15)  
Construction of 02-Nos Additional Class Rooms in Govt Boys Primary School Havali Kamlay Khan  
Tehsil Kot Radha Kishan Distt. Kasur**

Our Ref. No. CL/CED/ 2698 Dated: 08-04-21

Your Ref. No. 125/k Dated: 25-03-21

## COMPRESSION TEST REPORT

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

Specimens received on: 31-03-21 Tested on: 01-04-21 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 Slab	21	2	2021	6x6x6	8.1	36	47	2930	Engraved
2	RCC Slab	21	2	2021	6x6x6	8.2	36	49	3050	Engraved
3										
4										
5										
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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

982

Dr. Umbreen

To: Sub Divisional Officer

Building Sub Division, Pattoki

Project: (EMIS Code: 35110387) Re-Const: of Dangerous Building (ADP 2020-21/GS N. 17) Re-Construction  
Dangerous Class Rooms in Govt Model Primary School Boor Singh Tehsil Chunian Distt. Kasur

Our Ref. No. CL/CED/ 2699 Dated: 08-04-21

Your Ref. No. 141/P Dated: 19-03-21

## COMPRESSION TEST REPORT

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

Specimens received on: 31-03-21 Tested on: 01-04-21 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 Slab	10	2	2021	6x6x6	9	36	94	5850	Engraved
2	RCC Slab	10	2	2021	6x6x6	9	36	94	5850	Non Engraved
3										
4										
5										
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Phone Nos. 042-99029202, 042-99029217

974

Dr. Umbreen

To: **Sub Divisional Officer (Buildings)**

**Sub Division, Ferozewala**

**Project: Construction of Judicial Academy at Lahore Kala Shah Kaku, Lahore (ADP No. 3272/2020-21)**

**Phase-II Group No: 2 (Residence 11-14)**

Our Ref. No. CL/CED/

2700

Dated:

08-04-21

Your Ref. No.

976/F

Dated:

30-03-21

## COMPRESSION TEST REPORT

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

Specimens received on:

31-03-21

Tested on:

01-04-21

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	Plinth Beam	22	2	2021	6x6x6	8.8	36	51	3180	Non Engraved
2	Plinth Beam	22	2	2021	6x6x6	8.6	36	61	3800	Non Engraved
3	Plinth Beam	22	2	2021	6x6x6	8.2	36	53	3300	Non Engraved
4										
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974

Dr. Umbreen

To: Sub Divisional Officer (Buildings)

Sub Division, Ferozewala

Project: Construction of Judicial Academy at Lahore Kala Shah Kaku, Lahore (ADP No. 3272/2020-21)

Phase-II Group No: 2 (Residence 11-14)

Our Ref. No. CL/CED/

2701

Dated:

08-04-21

Your Ref. No.

978/F

Dated:

30-03-21

## COMPRESSION TEST REPORT

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

Specimens received on:

31-03-21

Tested on:

01-04-21

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 Columns	25	2	2021	6x6x6	9	36	81	5040	Non Engraved
2	RCC Columns	25	2	2021	6x6x6	9	36	88	5480	Non Engraved
3	RCC Columns	25	2	2021	6x6x6	9	36	86	5360	Non Engraved
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](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

974

Dr. Umbreen

To: Sub Divisional Officer (Buildings)

Sub Division, Ferozewala

Project: Construction of Judicial Academy at Lahore Kala Shah Kaku, Lahore (ADP No. 3272/2020-21)

Phase-II Group No: 2 (Residence 15-17)

Our Ref. No. CL/CED/

2702

Dated:

08-04-21

Your Ref. No.

977/F

Dated:

30-03-21

## COMPRESSION TEST REPORT

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

Specimens received on:

31-03-21

Tested on:

01-04-21

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 Columns	23	2	2021	6x6x6	9	36	94	5850	Non Engraved
2	RCC Columns	23	2	2021	6x6x6	8.8	36	83	5170	Non Engraved
3	RCC Columns	23	2	2021	6x6x6	9	36	104	6480	Non Engraved
4										
5										
6										
7										
8										
9										
10										
11										
12										
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14										
15										
16										

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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



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

987

Dr. M. Yousaf

To: **Sub Divisional Officer**

**Highway Sub Division, Mianwali**

**Project: Widening / Improvement of Road From Rokhri Morr Main Kalabagh Road to Rokhari City Length 3.25 KM (Construction of Bridge & Its Approaches)**

Our Ref. No. CL/CED/ 2703 Dated: 08-04-21

Your Ref. No. 63/SDO/Mwi Dated: 19-02-21

## COMPRESSION TEST REPORT

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

Specimens received on: 01-04-21 Tested on: 02-04-21 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	Deck Slab	22	2	2021	6x6x6	9	36	117	7280	Non Engraved
2	Deck Slab	22	2	2021	6x6x6	8.8	36	89	5540	Non Engraved
3										
4										
5										
6										
7										
8										
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11										
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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**



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

987

Dr. M. Yousaf

To: **Sub Divisional Officer**

**Highway Sub Division, Mianwali**

**Project: Widening / Improvement of Road From Rokhri Morr Main Kalabagh Road to Rokhari City Length 3.25 KM (Construction of Bridge & Its Approaches)**

Our Ref. No. CL/CED/

2704

Dated:

08-04-21

Your Ref. No.

60/SDO/Mwi

Dated:

17-02-21

## COMPRESSION TEST REPORT

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

Specimens received on: 01-04-21 Tested on: 02-04-21 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	17	2	2021	6x6x6	9	36	99	6160	Non Engraved
2	Deck Slab	17	2	2021	6x6x6	8.8	36	86	5360	Non Engraved
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
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16										

Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](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

999

To: **Mr. Umair Maqsood (Sub Divisional Officer)**

Dr. M. Yousaf

**Buildings Sub Division, Assembly, Lahore**

**Project: Construction of MPA Hostel (Phase-II) Lahore (Group No.02)**

Our Ref. No. CL/CED/ 2705 Dated: 08-04-21

Your Ref. No. 251 Dated: 29-03-21

## COMPRESSION TEST REPORT

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

Specimens received on: 01-04-21 Tested on: 02-04-21 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 (1:2:4)	31	1	2021	6x6x6	8.6	36	104	6480	Engraved
2	Raft (1:2:4)	31	1	2021	6x6x6	8.6	36	49	3050	Engraved
3										
4										
5										
6										
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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**





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

999

Dr. M. Yousaf

**To: Mr. Umair Maqsood (Sub Divisional Officer)**  
**Buildings Sub Division, Assembly, Lahore**  
**Project: Construction of MPA Hostel (Phase-II) Lahore (Group No.02)**

Our Ref. No. CL/CED/ 2706 Dated: 08-04-21

Your Ref. No. 252 Dated: 29-03-21

## COMPRESSION TEST REPORT

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

Specimens received on: 01-04-21 Tested on: 02-04-21 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 Beam (1:2:4)	6	2	2021	6x6x6	8.4	36	66	4110	Engraved
2	Raft Beam (1:2:4)	6	2	2021	6x6x6	8.6	36	81	5040	Engraved
3										
4										
5										
6										
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8										
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11										
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13										
14										
15										
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Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](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

999

Dr. M. Yousaf

**To: Mr. Umair Maqsood (Sub Divisional Officer)**  
**Buildings Sub Division, Assembly, Lahore**  
**Project: Construction of MPA Hostel (Phase-II) Lahore (Group No.02)**

Our Ref. No. CL/CED/ 2707 Dated: 08-04-21

Your Ref. No. 255 Dated: 29-03-21

## COMPRESSION TEST REPORT

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

Specimens received on: 01-04-21 Tested on: 02-04-21 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	Retaining Wall (1:1.5:3)	24	2	2021	6x6x6	8.6	36	69	4300	Engraved
2	Retaining Wall (1:1.5:3)	24	2	2021	6x6x6	8.4	36	63	3920	Engraved
3										
4										
5										
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14										
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Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](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

999

To: **Mr. Umair Maqsood (Sub Divisional Officer)**

Dr. M. Yousaf

**Buildings Sub Division, Assembly, Lahore**

**Project: Construction of MPA Hostel (Phase-II) Lahore (Group No.02)**

Our Ref. No. CL/CED/ 2708 Dated: 08-04-21

Your Ref. No. 254 Dated: 29-03-21

## COMPRESSION TEST REPORT

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

Specimens received on: 01-04-21 Tested on: 02-04-21 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	Retaining Wall (1:1.5:3)	18	2	2021	6x6x6	8.4	36	47	2930	Engraved
2	Retaining Wall (1:1.5:3)	18	2	2021	6x6x6	8.2	36	49	3050	Engraved
3										
4										
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14										
15										
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Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](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

999

To: **Mr. Umair Maqsood (Sub Divisional Officer)**  
**Buildings Sub Division, Assembly, Lahore**

Dr. M. Yousaf

**Project: Construction of MPA Hostel (Phase-II) Lahore (Group No.02)**

Our Ref. No. CL/CED/ 2709 Dated: 08-04-21

Your Ref. No. 253 Dated: 29-03-21

## COMPRESSION TEST REPORT

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

Specimens received on: 01-04-21 Tested on: 02-04-21 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
		7	2	2021						
1	Raft (1:2:4)	7	2	2021	6x6x6	8.2	36	58	3610	Engraved
2	Raft (1:2:4)	7	2	2021	6x6x6	8.6	36	72	4480	Engraved
3										
4										
5										
6										
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15										
16										

Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](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

998

Dr. M. Yousaf

To: **Sub Divisional Officer**

**Buildings Sub Division No.15, Lahore**

**Project: Replacement of Water Supply Line With Over Head Tank and New Tubewell in the Premises of Senior Civil Judge Block (Awan-e-Adal) Lahore (A.D.P 3261 for the Year 2020-21)**

Our Ref. No. CL/CED/ 2710 Dated: 08-04-21

Your Ref. No. 277 Dated: 22-03-21

## COMPRESSION TEST REPORT

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

Specimens received on: 01-04-21 Tested on: 02-04-21 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	Base Slab for Water Tank	22	2	2021	6x6x6	9	36	60	3740	Non Engraved
2	Base Slab for Water Tank	22	2	2021	6x6x6	8.8	36	64	3990	Non Engraved
3	Base Slab for Water Tank	22	2	2021	6x6x6	9	36	63	3920	Non Engraved
4										
5										
6										
7										
8										
9										
10										
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](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

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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.

**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

998

To: **Sub Divisional Officer**

Dr. M. Yousaf

**Buildings Sub Division No.15, Lahore**

**Project: Construction of Record Rooms at 5th & 6th Floors as Well as Addition of Staircase & Lift in the Existing Building at Parking Plaza at Fane Road Lahore**

Our Ref. No. CL/CED/ 2711 Dated: 08-04-21

Your Ref. No. 283 Dated: 22-03-21

## COMPRESSION TEST REPORT

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

Specimens received on: 01-04-21 Tested on: 02-04-21 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	Columns for 5th Floor	24	2	2021	6x6x6	9	36	111	6910	Non Engraved
2	Columns for 5th Floor	24	2	2021	6x6x6	8.8	36	63	3920	Non Engraved
3	Columns for 5th Floor	24	2	2021	6x6x6	9	36	73	4550	Non Engraved
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6)

\* as engraved on the specimens (if any)

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\*\*\* BS5328 requires mean of two cube sample strength at 28 days as characteristic 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)

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

977

To: Engr. Ahmad Husnain (Asst: Manager Coordination)

Dr. Umbreen

Izhar Construction (Pvt.) Ltd. Lahore

Project: Construction of Mill Building & Cotton Godowns at Nishat Mills Limited, Sahianwala, Faisalabad (C-20)

Our Ref. No. CL/CED/ 2712 Dated: 08-04-21

Your Ref. No. ICPL/Const-NML/21/038 Dated: 29-03-21

## COMPRESSION TEST REPORT

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

Specimens received on: 31-03-21 Tested on: 01-04-21 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	Lab # C121 (1)	19	3	2021	6x6x6	9	36	88	5480	Non Engraved
2	Lab # C121 (2)	19	3	2021	6x6x6	9	36	81	5040	Non Engraved
3	Lab # C121 (3)	19	3	2021	6x6x6	9	36	86	5360	Non Engraved
4										
5										
6										
7										
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9										
10										
11										
12										
13										
14										
15										
16										

Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](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

1005

To: **Engr. Ahmad Husnain (Asst: Manager Coordination)**

Dr. M. Yousaf

**Izhar Construction (Pvt.) Ltd. Lahore**

**Project: Construction of Mill Building & Cotton Godowns at Nishat Mills Limited, Sahianwala, Faisalabad (C-20)**

Our Ref. No. CL/CED/ 2713 Dated: 08-04-21

Your Ref. No. ICPL/Const-NML/21/045 Dated: 02-04-21

## COMPRESSION TEST REPORT

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

Specimens received on: 02-04-21 Tested on: 02-04-21 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
		Mo	Da	Yr						
1	Lab # C101 (4)	3	3	2021	6x6x6	9	36	91	5670	Non Engraved
2	Lab # C101 (5)	3	3	2021	6x6x6	9	36	104	6480	Non Engraved
3	Lab # C101 (6)	3	3	2021	6x6x6	8.9	36	98	6100	Non Engraved
4										
5										
6										
7										
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9										
10										
11										
12										
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14										
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\* as engraved on the specimens (if any)

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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)**

**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

1005

To: **Engr. Ahmad Husnain (Asst: Manager Coordination)**

Dr. M. Yousaf

**Izhar Construction (Pvt.) Ltd. Lahore**

**Project: Construction of Mill Building & Cotton Godowns at Nishat Mills Limited, Sahianwala, Faisalabad (C-30)**

Our Ref. No. CL/CED/ 2714 Dated: 08-04-21

Your Ref. No. ICPL/Const-NML/21/044 Dated: 02-04-21

## COMPRESSION TEST REPORT

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

Specimens received on: 02-04-21 Tested on: 02-04-21 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
		Mo	Da	Yr						
1	Lab # C100 (4)	3	3	2021	6x6x6	9	36	112	6970	Non Engraved
2	Lab # C100 (5)	3	3	2021	6x6x6	9	36	106	6600	Non Engraved
3	Lab # C100 (6)	3	3	2021	6x6x6	9	36	124	7720	Non Engraved
4										
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\* as engraved on the specimens (if any)

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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)**

**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

1005

Dr. M. Yousaf

To: Engr. Ahmad Husnain (Asst: Manager Coordination)

Izhar Construction (Pvt.) Ltd. Lahore

Project: Construction of Mill Building & Cotton Godowns at Nishat Mills Limited, Sahianwala, Faisalabad (C-30)

Our Ref. No. CL/CED/ 2715 Dated: 08-04-21

Your Ref. No. ICPL/Const-NML/21/046 Dated: 02-04-21

## COMPRESSION TEST REPORT

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

Specimens received on: 02-04-21 Tested on: 02-04-21 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
		Mo	Da	Yr						
1	Lab # C103 (4)	4	3	2021	6x6x6	8.8	36	74	4610	Non Engraved
2	Lab # C103 (5)	4	3	2021	6x6x6	9	36	83	5170	Non Engraved
3	Lab # C103 (6)	4	3	2021	6x6x6	9	36	100	6230	Non Engraved
4										
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\* as engraved on the specimens (if any)

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\*\*\* BS5328 requires mean of two cube sample strength at 28 days as characteristic 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)

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

985

To: **Mr. Zaid Bin Waseem (Assistant Engineer)**

Dr. M. Yousaf

**University of Education Lahore (M/s Shaheen Construction Company)**

**Project: Re-Construction of Toilet Set of Hostel at University Education, Lahore (Bank Road Campus)**

Our Ref. No. CL/CED/ 2716 Dated: 08-04-21

Your Ref. No. UE/Engg/AE/2021/73 Dated: 24-03-21

## COMPRESSION TEST REPORT

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

Specimens received on: 01-04-21 Tested on: 02-04-21 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	Ground Floor Slab	23	2	2021	6x6x6	8.2	36	29	1810	Non Engraved
2	Ground Floor Slab	23	2	2021	6x6x6	8.2	36	31	1930	Non Engraved
3										
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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

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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.

**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

988

To: **Mr. Muhammad Tufail (Construction Team Leader)**  
**Zor Engineers (Pvt.) Ltd. Lahore**

Dr. M. Yousaf

**Project: Our Saviour Welfare Society-Saviour Inn Lahore (Saviour Inn Top Roof Slab)**

Our Ref. No. CL/CED/ 2717 Dated: 08-04-21

Your Ref. No. 230.28.1/MT/7 Dated: 31-03-21

## COMPRESSION TEST REPORT

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

Specimens received on: 01-04-21 Tested on: 02-04-21 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	A	12	3	2021	6x6x6	8.4	36	51	3180	Engraved
2	B	12	3	2021	6x6x6	8.6	36	60	3740	Engraved
3										
4										
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Results can also be seen on website

[http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](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

**To: Mr. Allah Dittah**  
**Chak No. 9/1 R Tahsil Rinala, District Okara**  
**Project: Construction of Site 10/13 Asad Jan Road Lahore.**

1027  
Dr. M. Yousaf

Our Ref. No. CL/CED/ 2718 Dated: 08-04-21  
Your Ref. No. Nil Dated: 07-04-21

## COMPRESSION TEST REPORT

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

Specimens received on: 07-04-21 Tested on: 08-04-21 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	7	1	2021	6Diax12	13.2	28.28	73	5790	Non Engraved
2	(3000) Psi	7	1	2021	6Diax12	13.2	28.28	70	5550	Non Engraved
3										
4										
5										
6										
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8										
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13										
14										
15										
16										

Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/departments?RID=testing\\_reports&id=6](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**



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

**To: Mr. Allah Dittah**  
**Chak No. 9/1 R Tahsil Rinala, District Okara**  
**Project: Construction of Site 10/13 Asad Jan Road Lahore.**

1027  
Dr. M. Yousaf

Our Ref. No. CL/CED/ 2719 Dated: 08-04-21  
Your Ref. No. Nil Dated: 07-04-21

## COMPRESSION TEST REPORT

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

Specimens received on: 07-04-21 Tested on: 08-04-21 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	(4000) Psi	7	1	2021	6Diax12	13.8	28.28	63	4990	Non Engraved
2	(4000) Psi	7	1	2021	6Diax12	14	28.28	53	4200	Non Engraved
3										
4										
5										
6										
7										
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9										
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11										
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16										

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\* as engraved on the specimens (if any)

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\*\*\* BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

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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.

**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

1027  
Dr. M. Yousaf

**To: Mr. Allah Dittah**  
**Chak No. 9/1 R Tahsil Rinala, District Okara**  
**Project: Construction of Site 10/13 Asad Jan Road Lahore.**

Our Ref. No. CL/CED/ 2720 Dated: 08-04-21  
Your Ref. No. Nil Dated: 07-04-21

## COMPRESSION TEST REPORT

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

Specimens received on: 07-04-21 Tested on: 08-04-21 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	(3000) Psi	30	1	2021	6Diax12	14	28.28	80	6340	Non Engraved
2	(3000) Psi	30	1	2021	6Diax12	14	28.28	89	7050	Non Engraved
3										
4										
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\* as engraved on the specimens (if any)

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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)**

**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

991

To: **Mr. Hassan Khan Sherwani (Provincial Construction Supervision Manager)**

Dr. M. Yousaf

**Humqadam SCRIP (M/s Dawn Construction)**

**Project: Humqadam-School Construction and Rehabilitation Programme (Lhr)**

Our Ref. No. CL/CED/ 2721 Dated: 08-04-21

Your Ref. No. IMC-LHR/SCRIP/2020/  
Material Testing/LHR-6 Dated: 01-04-21

## COMPRESSION TEST REPORT

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

Specimens received on: 01-04-21 Tested on: 02-04-21 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		4	3	2021	6Diax12	13.2	28.28	26	2060	Non Engraved
2		4	3	2021	6Diax12	14	28.28	28	2220	Non Engraved
3		4	3	2021	6Diax12	13.6	28.28	45	3570	Non Engraved
4										
5										
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Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6)

\* as engraved on the specimens (if any)

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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.

**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

992

To: **Mr. Muneeb Ur Rehman (Sr. District Engineer)**

Dr. M. Yousaf

**Humqadam SCRP-Sialkot**

**Project: Retro-Fitting / Humqadam SCRP-Sialkot (GGHS Jamkay Cheema, EMIS Code: 34310042)**

Our Ref. No. CL/CED/

2722

Dated:

08-04-21

Your Ref. No.

Nil

Dated:

01-04-21

## COMPRESSION TEST REPORT

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

Specimens received on: 01-04-21 Tested on: 02-04-21 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		25	3	2021	6Diax12	13	28.28	44	3490	Non Engraved
2		25	3	2021	6Diax12	12.8	28.28	41	3250	Non Engraved
3		25	3	2021	6Diax12	12.8	28.28	53	4200	Non Engraved
4										
5										
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Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6)

\* as engraved on the specimens (if any)

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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.

**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

992

To: **Mr. Muneeb Ur Rehman (Sr. District Engineer)**

Dr. M. Yousaf

**Humqadam SCRP-Sialkot**

**Project: Retro-Fitting / Humqadam SCRP-Sialkot (GPS Jasserwala, EMIS Code: 34310197)**

Our Ref. No. CL/CED/ 2723 Dated: 08-04-21

Your Ref. No. Nil Dated: 01-04-21

## COMPRESSION TEST REPORT

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

Specimens received on: 01-04-21 Tested on: 02-04-21 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		25	3	2021	6Diax12	12.8	28.28	41	3250	Non Engraved
2		25	3	2021	6Diax12	12.8	28.28	47	3730	Non Engraved
3		25	3	2021	6Diax12	11	28.28	22	1750	Non Engraved
4										
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16										

Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](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

995

Dr. M. Yousaf

**To: Mr. Mudassar Iqbal (Manager QC)**  
**Country Developers (Pvt.) Ltd.**  
**Project: PGC Campus 227-230 Muslim Town**

Our Ref. No. CL/CED/ 2724 Dated: 08-04-21

Your Ref. No. CD-20-Testing/CON/MT-012 Dated: 31-03-21

## COMPRESSION TEST REPORT

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

Specimens received on: 01-04-21 Tested on: 02-04-21 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	Slab, Grid D-A/5-10	8	3	2021	6Diax12	14	28.28	54	4280	Non Engraved
2	Slab, Grid D-A/5-10	8	3	2021	6Diax12	13.2	28.28	41	3250	Non Engraved
3	1st Floor Slab, F-H/6-10 & E-F/7-8	9	3	2021	6Diax12	14.1	28.28	58	4600	Non Engraved
4	1st Floor Slab, F-H/6-10 & E-F/7-8	9	3	2021	6Diax12	13.6	28.28	39	3090	Non Engraved
5	Slab, Grid A-E/4-5, A-C/4-7, E-H/3-5	10	3	2021	6Diax12	14.2	28.28	58	4600	Non Engraved
6	Slab, Grid A-E/4-5, A-C/4-7, E-H/3-5	10	3	2021	6Diax12	13.4	28.28	47	3730	Non Engraved
7	1st Floor Columns, G/8,G/9	11	3	2021	6Diax12	15	28.28	71	5630	Non Engraved
8	1st Floor Columns, G/8,G/9	11	3	2021	6Diax12	14	28.28	55	4360	Non Engraved
9	1st Floor Columns B/7, B/8, F/9, G/6	12	3	2021	6Diax12	14.2	28.28	60	4760	Non Engraved
10	1st Floor Columns B/7, B/8, F/9, G/6	12	3	2021	6Diax12	14.2	28.28	94	7450	Non Engraved
11	1st Floor Slab, A-E/1-2	13	3	2021	6Diax12	14.1	28.28	57	4520	Non Engraved
12	1st Floor Slab, A-E/1-2	13	3	2021	6Diax12	14	28.28	52	4120	Non Engraved
13										
14										
15										
16										

Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](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

995

Dr. M. Yousaf

**To: Mr. Mudassar Iqbal (Manager QC)**  
**Country Developers (Pvt.) Ltd.**  
**Project: PGC Campus 227-230 Muslim Town**

Our Ref. No. CL/CED/ 2725 Dated: 08-04-21

Your Ref. No. CD-20-Testing/CON/MT-011 Dated: 29-03-21

## COMPRESSION TEST REPORT

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

Specimens received on: 01-04-21 Tested on: 02-04-21 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 Columns D/1, D/2, E/1,	18	3	2021	6Diax12	13.4	28.28	56	4440	Non Engraved
2	1st Floor Columns D/1, D/2, E/1,	18	3	2021	6Diax12	14.6	28.28	63	4990	Non Engraved
3	1st Floor Columns, B2/2, F/1	19	3	2021	6Diax12	14.2	28.28	94	7450	Non Engraved
4	1st Floor Columns, B2/2, F/1	19	3	2021	6Diax12	14	28.28	58	4600	Non Engraved
5	1st Floor Columns B/2, C/1, G1/1	21	3	2021	6Diax12	14.6	28.28	62	4920	Non Engraved
6	1st Floor Columns B/2, C/1, G1/1	21	3	2021	6Diax12	14	28.28	90	7130	Non Engraved
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](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

1000

Dr. M. Yousaf

To: **Mr. Usman Ali (Supervisor)**

**Zikria Construction Company, Lahore**

**Project: Construction of BIC Engineering Block Ground Floor Roof Zafar Ali Road Lahore**

Our Ref. No. CL/CED/ 2726 Dated: 08-04-21

Your Ref. No. Nil Dated: 01-04-21

## COMPRESSION TEST REPORT

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

Specimens received on: 01-04-21 Tested on: 02-04-21 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		18	2	2021	6x6x6	9	36	23	1440	Engraved
2		18	2	2021	6x6x6	9.2	36	50	3120	Engraved
3										
4										
5										
6										
7										
8										
9										
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11										
12										
13										
14										
15										
16										

Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](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

962

Engr. Ubaid

To: **Mr. Imran Akhtar (Project Manager)**  
**CM Engineering (Pvt.) Ltd. Lahore**  
**Project: CMPAK, Site ID-41606, Complete Foundation**

Our Ref. No. CL/CED/ 2727 Dated: 08-04-21

Your Ref. No. CME/Cubes/CMPAK/833 Dated: 21-03-21

## COMPRESSION TEST REPORT

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

Specimens received on: 29-03-21 Tested on: 31-03-21 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 )	21	2	2021	6x6x6	8.2	36	80	4980	Non Engraved
2	( 1 : 1.5 : 3 )	21	2	2021	6x6x6	8.4	36	63	3920	Non Engraved
3										
4										
5										
6										
7										
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10										
11										
12										
13										
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15										
16										

Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](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

To: **Mr. Imran Akhtar (Project Manager)**  
**CM Engineering (Pvt.) Ltd. Lahore**  
**Project: CMPAK, Site ID-43107, Pier Foundation**

962  
Engr. Ubaid

Our Ref. No. CL/CED/ 2728 Dated: 08-04-21

Your Ref. No. CME/Cubes/CMPAK/834 Dated: 18-03-21

## COMPRESSION TEST REPORT

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

Specimens received on: 29-03-21 Tested on: 31-03-21 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 )	18	2	2021	6x6x6	8.4	36	71	4420	Non Engraved
2	( 1 : 1.5 : 3 )	18	2	2021	6x6x6	8.2	36	73	4550	Non Engraved
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](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

962  
Engr. Ubaid

**To: Mr. M. Furqan (Project Manager)**  
**CM Engineering (Pvt.) Ltd. Lahore**  
**Project: CMPAK, Site ID-52952, Raft Foundation**

Our Ref. No. CL/CED/ 2729 Dated: 08-04-21

Your Ref. No. CME/Cubes/CMPAK/850 Dated: 19-03-21

## COMPRESSION TEST REPORT

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

Specimens received on: 29-03-21 Tested on: 31-03-21 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 )	19	2	2021	6x6x6	8.4	36	51	3180	Non Engraved
2	( 1 : 1.5 : 3 )	19	2	2021	6x6x6	8.6	36	67	4170	Non Engraved
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](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

962

Engr. Ubaid

**To: Mr. M. Furqan (Project Manager)**  
**CM Engineering (Pvt.) Ltd. Lahore**  
**Project: CMPAK, Site ID-52952, Column / BTS Pad**

Our Ref. No. CL/CED/ 2730 Dated: 08-04-21

Your Ref. No. CME/Cubes/CMPAK/851 Dated: 20-03-21

## COMPRESSION TEST REPORT

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

Specimens received on: 29-03-21 Tested on: 31-03-21 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 )	20	2	2021	6x6x6	8.4	36	64	3990	Non Engraved
2	( 1 : 1.5 : 3 )	20	2	2021	6x6x6	8.6	36	76	4730	Non Engraved
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](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

962

Engr. Ubaid

**To: Mr. M. Furqan (Project Manager)**  
**CM Engineering (Pvt.) Ltd. Lahore**  
**Project: CMPAK, Site ID-52866, Drill Pier / BTS Pad**

Our Ref. No. CL/CED/ 2731 Dated: 08-04-21

Your Ref. No. CME/Cubes/CMPAK/852 Dated: 18-03-21

## COMPRESSION TEST REPORT

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

Specimens received on: 29-03-21 Tested on: 31-03-21 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 )	18	2	2021	6x6x6	8.6	36	77	4800	Non Engraved
2	( 1 : 1.5 : 3 )	18	2	2021	6x6x6	8.6	36	67	4170	Non Engraved
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](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

962

Engr. Ubaid

**To: Mr. M. Furqan (Project Manager)**  
**CM Engineering (Pvt.) Ltd. Lahore**  
**Project: CMPAK, Site ID-52897, Drill Pier / BTS Pad**

Our Ref. No. CL/CED/ 2732 Dated: 08-04-21

Your Ref. No. CME/Cubes/CMPAK/853 Dated: 12-03-21

## COMPRESSION TEST REPORT

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

Specimens received on: 29-03-21 Tested on: 31-03-21 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 )	12	2	2021	6x6x6	8.6	36	97	6040	Non Engraved
2	( 1 : 1.5 : 3 )	12	2	2021	6x6x6	8.6	36	64	3990	Non Engraved
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](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

962

Engr. Ubaid

To: **Mr. M. Furqan (Project Manager)**  
**CM Engineering (Pvt.) Ltd. Lahore**  
**Project: CMPAK, Site ID-52898, Drill Pier / BTS Pad**

Our Ref. No. CL/CED/ 2733 Dated: 08-04-21

Your Ref. No. CME/Cubes/CMPAK/854 Dated: 17-03-21

## COMPRESSION TEST REPORT

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

Specimens received on: 29-03-21 Tested on: 31-03-21 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 )	17	2	2021	6x6x6	8.2	36	76	4730	Non Engraved
2	( 1 : 1.5 : 3 )	17	2	2021	6x6x6	8.2	36	59	3680	Non Engraved
3										
4										
5										
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9										
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11										
12										
13										
14										
15										
16										

Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](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

962

Engr. Ubaid

**To: Mr. M. Furqan (Project Manager)**  
**CM Engineering (Pvt.) Ltd. Lahore**  
**Project: CMPAK, Site ID-52949, Drill Pier / BTS Pad**

Our Ref. No. CL/CED/ 2734 Dated: 08-04-21

Your Ref. No. CME/Cubes/CMPAK/855 Dated: 16-03-21

## COMPRESSION TEST REPORT

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

Specimens received on: 29-03-21 Tested on: 31-03-21 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	2	2021	6x6x6	8.4	36	83	5170	Non Engraved
2	( 1 : 1.5 : 3 )	16	2	2021	6x6x6	8.6	36	72	4480	Non Engraved
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16										

Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](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

962

Engr. Ubaid

**To: Mr. M. Furqan (Project Manager)**  
**CM Engineering (Pvt.) Ltd. Lahore**  
**Project: CMPAK, Site ID-52900, Drill Pier / BTS Pad**

Our Ref. No. CL/CED/ 2735 Dated: 08-04-21

Your Ref. No. CME/Cubes/CMPAK/856 Dated: 16-03-21

## COMPRESSION TEST REPORT

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

Specimens received on: 29-03-21 Tested on: 31-03-21 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	2	2021	6x6x6	8.4	36	81	5040	Non Engraved
2	( 1 : 1.5 : 3 )	16	2	2021	6x6x6	8.4	36	65	4050	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](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

962

Engr. Ubaid

**To: Mr. M. Furqan (Project Manager)**  
**CM Engineering (Pvt.) Ltd. Lahore**  
**Project: CMPAK, Site ID-52899, Drill Pier / BTS Pad**

Our Ref. No. CL/CED/ 2736 Dated: 08-04-21

Your Ref. No. CME/Cubes/CMPAK/857 Dated: 12-03-21

## COMPRESSION TEST REPORT

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

Specimens received on: 29-03-21 Tested on: 31-03-21 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 )	12	2	2021	6x6x6	8.6	36	57	3550	Non Engraved
2	( 1 : 1.5 : 3 )	12	2	2021	6x6x6	8.6	36	73	4550	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](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

962  
Engr. Ubaid

To: **Mr. M. Furqan (Project Manager)**  
**CM Engineering (Pvt.) Ltd. Lahore**  
**Project: CMPAK, Site ID-52903, Drill Pier / BTS Pad**

Our Ref. No. CL/CED/ 2737 Dated: 08-04-21

Your Ref. No. CME/Cubes/CMPAK/858 Dated: 13-03-21

## COMPRESSION TEST REPORT

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

Specimens received on: 29-03-21 Tested on: 31-03-21 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 )	13	2	2021	6x6x6	8.4	36	73	4550	Non Engraved
2	( 1 : 1.5 : 3 )	13	2	2021	6x6x6	8.6	36	58	3610	Non Engraved
3										
4										
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Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](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

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Engr. Ubaid

**To: Mr. M. Furqan (Project Manager)**  
**CM Engineering (Pvt.) Ltd. Lahore**  
**Project: CMPAK, Site ID-52945, Drill Pier / BTS Pad**

Our Ref. No. CL/CED/ 2738 Dated: 08-04-21

Your Ref. No. CME/Cubes/CMPAK/859 Dated: 11-03-21

## COMPRESSION TEST REPORT

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

Specimens received on: 29-03-21 Tested on: 31-03-21 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 )	11	2	2021	6x6x6	8.6	36	61	3800	Non Engraved
2	( 1 : 1.5 : 3 )	11	2	2021	6x6x6	8.6	36	89	5540	Non 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**



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

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Engr. Ubaid

To: **Mr. M. Furqan (Project Manager)**  
**CM Engineering (Pvt.) Ltd. Lahore**  
**Project: CMPAK, Site ID-52946, Drill Pier / BTS Pad**

Our Ref. No. CL/CED/ 2739 Dated: 08-04-21

Your Ref. No. CME/Cubes/CMPAK/860 Dated: 11-03-21

## COMPRESSION TEST REPORT

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

Specimens received on: 29-03-21 Tested on: 31-03-21 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 )	11	2	2021	6x6x6	8.4	36	79	4920	Non Engraved
2	( 1 : 1.5 : 3 )	11	2	2021	6x6x6	8.6	36	75	4670	Non Engraved
3										
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Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](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

962

Engr. Ubaid

**To: Mr. M. Furqan (Project Manager)**  
**CM Engineering (Pvt.) Ltd. Lahore**  
**Project: CMPAK, Site ID-52951, Drill Pier / BTS Pad**

Our Ref. No. CL/CED/ 2740 Dated: 08-04-21

Your Ref. No. CME/Cubes/CMPAK/861 Dated: 11-03-21

## COMPRESSION TEST REPORT

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

Specimens received on: 29-03-21 Tested on: 31-03-21 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 )	11	2	2021	6x6x6	8.4	36	69	4300	Non Engraved
2	( 1 : 1.5 : 3 )	11	2	2021	6x6x6	8.8	36	89	5540	Non Engraved
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14										
15										
16										

Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](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

962  
Engr. Ubaid

**To: Mr. Imran Akhtar (Project Manager)**  
**CM Engineering (Pvt.) Ltd. Lahore**  
**Project: Long Haul, Site ID-8174, ODU Pad**

Our Ref. No. CL/CED/ 2741 Dated: 08-04-21

Your Ref. No. CME/Cubes/LongHaul/862 Dated: 17-03-21

## COMPRESSION TEST REPORT

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

Specimens received on: 29-03-21 Tested on: 31-03-21 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 )	17	2	2021	6x6x6	8.4	36	57	3550	Non Engraved
2	( 1 : 1.5 : 3 )	17	2	2021	6x6x6	8.8	36	68	4240	Non Engraved
3										
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13										
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15										
16										

Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](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

962

Engr. Ubaid

To: **Mr. M. Furqan (Project Manager)**  
**CM Engineering (Pvt.) Ltd. Lahore**  
**Project: CMPAK, Site ID-52869, ODU Pad**

Our Ref. No. CL/CED/ 2742 Dated: 08-04-21

Your Ref. No. CME/Cubes/CMPAK/849 Dated: 17-03-21

## COMPRESSION TEST REPORT

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

Specimens received on: 29-03-21 Tested on: 31-03-21 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 )	10	3	2021	6x6x6	8.4	36	64	3990	Non Engraved
2	( 1 : 1.5 : 3 )	10	3	2021	6x6x6	8.6	36	61	3800	Non Engraved
3										
4										
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13										
14										
15										
16										

Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](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

962

Engr. Ubaid

To: **Mr. M. Furqan (Project Manager)**  
**CM Engineering (Pvt.) Ltd. Lahore**  
**Project: CMPAK, Site ID-52869, Column**

Our Ref. No. CL/CED/ 2743 Dated: 08-04-21

Your Ref. No. CME/Cubes/CMPAK/848 Dated: 14-03-21

## COMPRESSION TEST REPORT

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

Specimens received on: 29-03-21 Tested on: 31-03-21 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 )	7	3	2021	6x6x6	8.4	36	75	4670	Non Engraved
2	( 1 : 1.5 : 3 )	7	3	2021	6x6x6	8.2	36	55	3430	Non Engraved
3										
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12										
13										
14										
15										
16										

Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](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

962

Engr. Ubaid

To: **Mr. M. Furqan (Project Manager)**  
**CM Engineering (Pvt.) Ltd. Lahore**  
**Project: CMPAK, Site ID-52869, Raft Foundation**

Our Ref. No. CL/CED/ 2744 Dated: 08-04-21

Your Ref. No. CME/Cubes/CMPAK/847 Dated: 12-03-21

## COMPRESSION TEST REPORT

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

Specimens received on: 29-03-21 Tested on: 31-03-21 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 )	5	3	2021	6x6x6	8.4	36	87	5420	Non Engraved
2	( 1 : 1.5 : 3 )	5	3	2021	6x6x6	8.4	36	114	7100	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](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

962

Engr. Ubaid

**To: Mr. M. Furqan (Project Manager)**  
**CM Engineering (Pvt.) Ltd. Lahore**  
**Project: CMPAK, Site ID-52975, ODU Pad**

Our Ref. No. CL/CED/ 2745 Dated: 08-04-21

Your Ref. No. CME/Cubes/CMPAK/846 Dated: 13-03-21

## COMPRESSION TEST REPORT

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

Specimens received on: 29-03-21 Tested on: 31-03-21 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 )	6	3	2021	6x6x6	8.4	36	108	6720	Non Engraved
2	( 1 : 1.5 : 3 )	6	3	2021	6x6x6	8.6	36	87	5420	Non Engraved
3										
4										
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Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/departments?RID=testing\\_reports&id=6](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**





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

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Engr. Ubaid

To: **Mr. M. Furqan (Project Manager)**  
**CM Engineering (Pvt.) Ltd. Lahore**  
**Project: CMPAK, Site ID-52975, Column**

Our Ref. No. CL/CED/ 2746 Dated: 08-04-21

Your Ref. No. CME/Cubes/CMPAK/845 Dated: 10-03-21

## COMPRESSION TEST REPORT

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

Specimens received on: 29-03-21 Tested on: 31-03-21 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	3	2021	6x6x6	8.6	36	99	6160	Non Engraved
2	( 1 : 1.5 : 3 )	3	3	2021	6x6x6	8.6	36	102	6350	Non Engraved
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](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

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Engr. Ubaid

**To: Mr. M. Furqan (Project Manager)**  
**CM Engineering (Pvt.) Ltd. Lahore**  
**Project: CMPAK, Site ID-52975, Raft Foundation**

Our Ref. No. CL/CED/ 2747 Dated: 08-04-21

Your Ref. No. CME/Cubes/CMPAK/844 Dated: 08-03-21

## COMPRESSION TEST REPORT

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

Specimens received on: 29-03-21 Tested on: 31-03-21 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 )	1	3	2021	6x6x6	8.6	36	86	5360	Non Engraved
2	( 1 : 1.5 : 3 )	1	3	2021	6x6x6	8.4	36	92	5730	Non Engraved
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](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

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Engr. Ubaid

To: **Mr. M. Furqan (Project Manager)**  
**CM Engineering (Pvt.) Ltd. Lahore**  
**Project: CMPAK, Site ID-52807, ODU Pad**

Our Ref. No. CL/CED/ 2748 Dated: 08-04-21

Your Ref. No. CME/Cubes/CMPAK/843 Dated: 12-03-21

## COMPRESSION TEST REPORT

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

Specimens received on: 29-03-21 Tested on: 31-03-21 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 )	5	3	2021	6x6x6	8.8	36	81	5040	Non Engraved
2	( 1 : 1.5 : 3 )	5	3	2021	6x6x6	8.6	36	89	5540	Non Engraved
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](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

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Engr. Ubaid

**To: Mr. M. Furqan (Project Manager)**  
**CM Engineering (Pvt.) Ltd. Lahore**  
**Project: CMPAK, Site ID-52807, Column**

Our Ref. No. CL/CED/ 2749 Dated: 08-04-21

Your Ref. No. CME/Cubes/CMPAK/842 Dated: 06-03-21

## COMPRESSION TEST REPORT

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

Specimens received on: 29-03-21 Tested on: 31-03-21 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 )	27	2	2021	6x6x6	8.6	36	98	6100	Non Engraved
2	( 1 : 1.5 : 3 )	27	2	2021	6x6x6	8.6	36	83	5170	Non Engraved
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](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

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Engr. Ubaid

To: **Mr. M. Furqan (Project Manager)**  
**CM Engineering (Pvt.) Ltd. Lahore**  
**Project: CMPAK, Site ID-52807, Raft Foundation**

Our Ref. No. CL/CED/ 2750 Dated: 08-04-21

Your Ref. No. CME/Cubes/CMPAK/841 Dated: 05-03-21

## COMPRESSION TEST REPORT

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

Specimens received on: 29-03-21 Tested on: 31-03-21 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 )	26	2	2021	6x6x6	8.4	36	87	5420	Non Engraved
2	( 1 : 1.5 : 3 )	26	2	2021	6x6x6	8.4	36	95	5920	Non Engraved
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](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

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Engr. Ubaid

**To: Mr. Imran Akhtar (Project Manager)**  
**CM Engineering (Pvt.) Ltd. Lahore**  
**Project: CMPAK, Site ID-43379, Pier Foundation**

Our Ref. No. CL/CED/ 2751 Dated: 08-04-21

Your Ref. No. CME/Cubes/CMPAK/840 Dated: 19-03-21

## COMPRESSION TEST REPORT

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

Specimens received on: 29-03-21 Tested on: 31-03-21 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 )	12	3	2021	6x6x6	8.6	36	83	5170	Non Engraved
2	( 1 : 1.5 : 3 )	12	3	2021	6x6x6	8.4	36	68	4240	Non Engraved
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](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

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Engr. Ubaid

**To: Mr. Imran Akhtar (Project Manager)**  
**CM Engineering (Pvt.) Ltd. Lahore**  
**Project: CMPAK, Site ID-43138, Pier Foundation**

Our Ref. No. CL/CED/ 2752 Dated: 08-04-21

Your Ref. No. CME/Cubes/CMPAK/839 Dated: 18-03-21

## COMPRESSION TEST REPORT

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

Specimens received on: 29-03-21 Tested on: 31-03-21 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 )	11	3	2021	6x6x6	8.4	36	61	3800	Non Engraved
2	( 1 : 1.5 : 3 )	11	3	2021	6x6x6	8.4	36	65	4050	Non Engraved
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](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

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Engr. Ubaid

**To: Mr. Imran Akhtar (Project Manager)**  
**CM Engineering (Pvt.) Ltd. Lahore**  
**Project: CMPAK, Site ID-43336, Pier Foundation**

Our Ref. No. CL/CED/ 2753 Dated: 08-04-21

Your Ref. No. CME/Cubes/CMPAK/838 Dated: 16-03-21

## COMPRESSION TEST REPORT

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

Specimens received on: 29-03-21 Tested on: 31-03-21 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 )	9	3	2021	6x6x6	8.6	36	92	5730	Non Engraved
2	( 1 : 1.5 : 3 )	9	3	2021	6x6x6	8.2	36	89	5540	Non Engraved
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](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

962

Engr. Ubaid

**To: Mr. Imran Akhtar (Project Manager)**  
**CM Engineering (Pvt.) Ltd. Lahore**  
**Project: CMPAK, Site ID-43334, Pier Foundation**

Our Ref. No. CL/CED/ 2754 Dated: 08-04-21

Your Ref. No. CME/Cubes/CMPAK/837 Dated: 13-03-21

## COMPRESSION TEST REPORT

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

Specimens received on: 29-03-21 Tested on: 31-03-21 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 )	6	3	2021	6x6x6	8.2	36	83	5170	Non Engraved
2	( 1 : 1.5 : 3 )	6	3	2021	6x6x6	8.4	36	70	4360	Non Engraved
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](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

962

Engr. Ubaid

**To: Mr. Imran Akhtar (Project Manager)**  
**CM Engineering (Pvt.) Ltd. Lahore**  
**Project: CMPAK, Site ID-42994, Column**

Our Ref. No. CL/CED/ 2755 Dated: 08-04-21

Your Ref. No. CME/Cubes/CMPAK/836 Dated: 21-03-21

## COMPRESSION TEST REPORT

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

Specimens received on: 29-03-21 Tested on: 31-03-21 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 )	14	3	2021	6x6x6	8.4	36	84	5230	Non Engraved
2	( 1 : 1.5 : 3 )	14	3	2021	6x6x6	8.4	36	63	3920	Non Engraved
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](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

962

Engr. Ubaid

**To: Mr. Imran Akhtar (Project Manager)**  
**CM Engineering (Pvt.) Ltd. Lahore**  
**Project: CMPAK, Site ID-42994, Raft Foundation**

Our Ref. No. CL/CED/ 2756 Dated: 08-04-21

Your Ref. No. CME/Cubes/CMPAK/835 Dated: 20-03-21

## COMPRESSION TEST REPORT

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

Specimens received on: 29-03-21 Tested on: 31-03-21 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 )	13	3	2021	6x6x6	8.6	36	81	5040	Non Engraved
2	( 1 : 1.5 : 3 )	13	3	2021	6x6x6	8.4	36	79	4920	Non Engraved
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](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**