

**Project:** 

# **Plain and Reinforced Concrete Laboratory Department of Civil Engineering**

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

### r Jahol (Supervising Engr)

8163 Dr. Rizwan Azam

10:	Zafar iqbal (Supervising Engr.)
	Shahnaz Banquet Hall & Food Suppliers, Lahore

Our Ref. No. CL/CED/	7383	Dated:	28-02-19
Your Ref. No.	Nil	Dated:	25-02-19

### COMPRESSION TEST REPORT

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

Specimens received on:

26-02-19 Tested on:

28-02-19 in dry/wet condition

Ŀ.		Ca	sting	Date*	Size	Weight	Area of	Ultimate	Ultimate	
Sr. No.	Mark*	ſM	Vet V	Veight	(in)	(lbs./gms)	X- Section	load	Stress	Remarks
			(grr	ıs)			(Sq. in)	(Tons/lbs)	(Psi)	
1		16	2	2019	6Diax12	14.8	28.28	77	6100	Non Engraved
2		16	2	2019	6Diax12	14	28.28	65	5150	Non Engraved
3		16	2	2019	6Diax12	13.8	28.28	72	5710	Non Engraved
End										
5										
6										
7										
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10										
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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

\* 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 comprensive 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)



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

#### To: Muhammad Afzal M/s Muhammad Afzal, Sargodha

**Project:** 

Our Ref. No. CL/CED/	7384	Dated:	28-02-19
Your Ref. No.	Nil	Dated:	25-02-19

# COMPRESSION TEST REPORT

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

Specimens received on:

25-02-19 Tested on:

25-02-19 in dry/wet condition

Sr. No.	Mark*	Casting Date* /Wet Weight		* t ht	Size (in)	Weight (lbs./gms)	Area of X- Section	Ultimate load	Ultimate Stress	Remarks
		(	(gms	)			(Sq. in)	(Tons/lbs)	(Psi)	
1	Rectangular Grey				7.8x3.8x2.2	2801	29.64	100	7560	
2	Rectangular Grey				7.8x3.8x2.2	2795	29.64	110	8320	
3	Rectangular Grey				7.8x3.8x2.2	2812	29.64	86	6500	
End										
5										
6										
7										
8										
9										
10										
11										
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14										
15										
16										

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supervisor(lab)

### **Director/Dy. Director Concrete Laboratory**

8150 Engr. Aamina



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

#### To: Muhammad Waqas Anwar (Resident Engineer-I) H&TE Div., NESPAK Pvt. Ltd. Lahore Project:Construction of Flyover at Shoukat Khanam Intersection, Lahore Our Ref. No. CL/CED/ 7385 Dated: 28-02-19

Your Ref No 3772/SKF/103/MWA/04/200 Dated. 24-01-19

## COMPRESSION TEST REPORT

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

Specimens received on:

25-02-19 Tested on:

25-02-19 in dry/wet condition

8151

Engr. Aamina

		C	Castin	ıg	Size	Weight	Area of	Ultimate	Ultimate	
Sr. No.	Mark*		Date* /Wet Weight		(in)	(lbs./gms)	X- Section	load	Stress	Remarks
			(gms	)			(Sq. in)	(Tons/lbs)	(Psi)	
1	Rectangular Grey				7.8x3.8x2.2	2896	29.64	146	11040	
2	Rectangular Grey				7.8x3.8x2.2	2826	29.64	154	11640	
3	Rectangular Grey				7.8x3.8x2.2	2784	29.64	106	8020	
4	Rectangular Grey				7.8x3.8x2.2	2872	29.64	106	8020	
End										
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

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supervisor(lab)



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

#### To: Imran Akhtar (Project Manager) CM Engineering Pvt. Ltd. Lahore Project:CMPAK, Site ID 41521, Column

 Our Ref. No. CL/CED/
 7386
 Dated:
 28-02-19

 Your Ref. No.
 CME/Cubes/CMPAK/465
 Dated:
 09-02-19

Tested on:

## **COMPRESSION TEST REPORT**

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

Specimens received on:

22-02-19

26-02-19

9 in dry/wet condition

8135

Dr. Umbreen

		0.0	- tim -	Dete*	Cine	\\/sight	Area of			
ö		Ca	sting	Date*	Size	Weight	Area of	Ultimate	Ultimate	
Sr. No.	Mark*	/M	/et W	/eight	(in)	(lbs./gms)	X-Section	load	Stress	Remarks
0,			(gm	ıs)			(Sq. in)	(Tons/lbs)	(Psi)	
1		12	1	2019	6x6x6	8	36	104	6480	Non Engraved
2		12	1	2019	6x6x6	8.2	36	116	7220	Non Engraved
End										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

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supervisor(lab)



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

#### To: Imran Akhtar (Project Manager) CM Engineering Pvt. Ltd. Lahore Project:CMPAK, Site ID 41521, Raft

 Our Ref. No. CL/CED/
 7387
 Dated:
 28-02-19

 Your Ref. No.
 CME/Cubes/CMPAK/464
 Dated:
 08-02-19

Tested on:

## **COMPRESSION TEST REPORT**

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

Specimens received on:

22-02-19

26-02

26-02-19 in dry/wet condition

				<b>D</b> / +	0.	144 1 1 4			1.11.12	
		Ca	sting	Date*	Size	Weight	Area of	Ultimate	Ultimate	
Sr. No.	Mark*	/M	/et W	/eight	(in)	(lbs./gms)	X- Section	load	Stress	Remarks
			(gm	is)			(Sq. in)	(Tons/lbs)	(Psi)	
1		11	1	2019	6x6x6	8.2	36	116	7220	Non Engraved
2		11	1	2019	6x6x6	8.2	36	118	7350	Non Engraved
End										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

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supervisor(lab)

### **Director/Dy. Director Concrete Laboratory**

8135 Dr. Umbreen



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

#### Imran Akhtar (Project Manager) To: CM Engineering Pvt. Ltd. Lahore

8135 Dr. Umbreen

Project:CMPAK, Site ID 40743, Pier Foundation

Our Ref. No. CL/CED/ 7388 Dated: 28-02-19

Your Ref No CME/Cubes/CMPAK/466 Dated<sup>.</sup> 05-02-19

Tested on:

# COMPRESSION TEST REPORT

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

Specimens received on:

22-02-19

26-02-19 in dry/wet condition

		6	etina	Date*	Size	Weight	Area of	Ultimate	Ultimate	
ġ							X-			
Sr. No.	Mark*	M	Vet W	/eight	(in)	(lbs./gms)	Section	load	Stress	Remarks
			(gm	ıs)			(Sq. in)	(Tons/lbs)	(Psi)	
1		8	1	2019	6x6x6	8.6	36	120	7470	Non Engraved
2		8	1	2019	6x6x6	8.4	36	126	7840	Non Engraved
End										
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

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Note: Above results pertain to the unsealed samples supplied to the laboratory

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supervisor(lab)



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

#### Imran Akhtar (Project Manager) To: CM Engineering Pvt. Ltd. Lahore

Dr. Umbreen

8135

Project:CMPAK, Site ID 41639, Pier Foundation

Our Ref. No. CL/CED/ 7389 Dated: 28-02-19

Tested on:

Your Ref No CME/Cubes/CMPAK/463 Dated<sup>.</sup> 11-02-19

# COMPRESSION TEST REPORT

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

Specimens received on:

22-02-19

26-02-19

in dry/wet condition

		r –								
		Ca	sting	Date*	Size	Weight	Area of	Ultimate	Ultimate	
Sr. No.	Mark*	M	/et W	/eight	(in)	(lbs./gms)	X-Section	load	Stress	Remarks
			(gm	is)			(Sq. in)	(Tons/lbs)	(Psi)	
1		14	1	2019	6x6x6	8	36	96	5980	Non Engraved
2		14	1	2019	6x6x6	8.5	36	122	7600	Non Engraved
End										
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

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supervisor(lab)



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

#### Imran Akhtar (Project Manager) To: CM Engineering Pvt. Ltd. Lahore

Project: Edot Co, Site ID MGJR06, Pier Foundation

Our Ref. No. CL/CED/ 7390 Dated: 28-02-19 CME/Cubes/EdotCo/469 Your Ref No Dated: 09-02-19

## COMPRESSION TEST REPORT

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

Specimens received on:

22-02-19 Tested on:

26-02-19 in dry/wet condition

		<u> </u>								
		Ca	sting	Date*	Size	Weight	Area of	Ultimate	Ultimate	
Sr. No.	Mark*	///	/et W	/eight	(in)	(lbs./gms)	X- Section	load	Stress	Remarks
			(gm	ıs)			(Sq. in)	(Tons/lbs)	(Psi)	
1		2	2	2019	6x6x6	8.2	36	114	7100	Non Engraved
2		2	2	2019	6x6x6	8.2	36	114	7100	Non Engraved
End										
4										
5										
6										
7										
8										
9										
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11										
12										
13										
14										
15										
16										

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supervisor(lab)

### Director/Dy. Director Concrete Laboratory

8135 Dr. Umbreen



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

#### Engr. Khalid Noor (C.E.O) To: **ASTACO Engineers and Contractors, Lahore Project:**

8175 Dr. Aqsa

Our Ref. No. CL/CED/	7391	Dated:	28-02-19
Your Ref. No.	Nil	Dated:	28-02-19

### COMPRESSION TEST REPORT

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

Specimens received on:

28-02-19

Tested on:

28-02-19 in dry/wet condition

		Ca	etina	Date*	Size	Weight	Area of	Ultimate	Ultimate	
ġ		Casting Date*				X-				
Sr. No.	Mark*	//\	/et W	/eight	(in)	(lbs./gms)	Section	load	Stress	Remarks
			(gm	ıs)			(Sq. in)	(Tons/lbs)	(Psi)	
1	Beam	19	2	2019	6x6x6	8.2	36	63	3920	Non Engraved
2	Beam	19	2	2019	6x6x6	8.2	36	58	3610	Non Engraved
3	Beam	19	2	2019	6x6x6	8.2	36	72	4480	Non Engraved
End										
5										
6										
7										
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9										
10										
11										
12										
13										
14										
15										
16										

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supervisor(lab)



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

**Building Department Omega Residencia** To: Omega Villas Pvt. Ltd. Lahore Project: O.H.R in Omega Residencia Scheme

Our Ref. No. CL/CED/	7392	Dated:	28-02-19

Your Ref. No.	Nil	Dated:	27-02-19

## COMPRESSION TEST REPORT

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

Specimens received on:

28-02-19 Tested on:

28-02-19 in dry/wet condition

		Castir		Date*	Size	Weight	Area of	Ultimate	Ultimate	
Sr. No.	Mark*	/M	Vet W	/eight	(in)	(lbs./gms)	X- Section	load	Stress	Remarks
		(gms)					(Sq. in)	(Tons/lbs)	(Psi)	
1	RCC	7	2	2019	6x6x6	8.4	36	59	3680	Non Engraved
2	RCC	7	2	2019	6x6x6	8.4	36	39	2430	Non Engraved
3	RCC	7	2	2019	6x6x6	8.3	36	38	2370	Non Engraved
End										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

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supervisor(lab)

Director/Dy. Director Concrete Laboratory

8174 Dr. Aqsa



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

#### To: Engr. Muhammad Shah Zaib (Assistant Engineer) **B&W Department, UET** Lahore **Project:**Construction Site of Girls Hostel in UET Lahore Our Ref. No. CL/CED/ 7393 28-02-19 Dated: Dated: 12-02-19 Your Ref. No. B&W/AENC/720

### COMPRESSION TEST REPORT

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

Specimens received on:

12-02-19 Tested on:

27-02-19 in dry/wet condition

8074

Dr Waseem Abbas

	Cas		Casting Date*		Weight		Ultimate	Ultimate	
Mark*	M	/et W	/eight	(in)	(lbs./gms)	X- Section	load	Stress	Remarks
		(gm	is)			(Sq. in)	(Tons/lbs)	(Psi)	
Columns	18	1	2019	6Diax12	13.4	28.28	110	8720	Non Engraved
Columns	18	1	2019	6Diax12	13.8	28.28	110	8720	Non Engraved
	Columns Columns	Mark* /M Columns 18 Columns 18	Mark* /Wet W	(gms) Columns 18 1 2019 Columns 18 1 2019	Mark*       /Wet Weight (in)         (gms)       (gms)         Columns       18       1       2019       6Diax12         Columns       18       1       2019       6Diax12	Mark*       /Wet Weight (in)       (lbs./gms)         (gms)       (gms)       (lbs./gms)         Columns       18       1       2019       6Diax12       13.4         Columns       18       1       2019       6Diax12       13.8	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Mark*//Wet Weight(in)(lbs./gms)X- Section (Sq. in)load Ioad (Tons/lbs)Columns18120196Diax1213.428.28110Columns18120196Diax1213.828.28110	$\begin{array}{c c c c c c c c c c c c c c c c c c c $

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

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supervisor(lab)



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

#### To: Engr. Muhammad Shah Zaib (Assistant Engineer) **B&W Department, UET** Lahore Project: Construction Site of Girls Hostel for 300 Students in UET Lahore Our Ref. No. CL/CED/ 7394 Dated: 28-02-19

Your Ref. No.	B&W/AENC/696	Dated:	01-02-19

# COMPRESSION TEST REPORT

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

Specimens received on:

12-02-19 Tested on:

28-02-19 in dry/wet condition

Sr. No.	Casting Date* Mark* /Wet Weight (gms)		Size (in)	Weight (Ibs./gms)	Area of X- Section	Ultimate load	Ultimate Stress	Remarks		
							(Sq. in)	(Tons/lbs)	(Psi)	
1	Plinth Beams	5	1	2019	6Diax12	13.8	28.28	55	4360	Engraved
2	Plinth Beams	5	1	2019	6Diax12	13.6	28.28	102	8080	Engraved
End										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

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supervisor(lab)

### **Director/Dy. Director Concrete Laboratory**

8074 Dr. Aqsa



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

#### To: Engr. Muhammad Abdullah (Assistant Engineer) **B&W Department, UET** Lahore

Project: Construction Site of Extension of Admin Block in UET Lahore(Ground Floor Slab and Beams)

Our Ref. No. CL/CED/	7395	Dated:	28-02-19
Your Ref. No.	B&W/AENC/760	Dated:	22-02-19

### COMPRESSION TEST REPORT

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

Specimens received on:

25-02-19 Tested on:

28-02-19 in dry/wet condition

		Casting Date*		Date*	Size	Weight	Area of	Ultimate	Ultimate	
Sr. No.	Mark*	/W	/et W	eight	(in)	(lbs./gms)	X- Section	load	Stress	Remarks
			(gm	s)			(Sq. in)	(Tons/lbs)	(Psi)	
1		28	1	2019	6Diax12	13.6	28.28	96	7610	Non Engraved
2		28	1	2019	6Diax12	13.8	28.28	95	7530	Non Engraved
End										
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

\* 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 comprensive 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

8147 Dr. Aqsa