

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

#### To: Engr. Huzaifa Umar (Assistant Resident Engineer) M/s AR Engineers

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

Our Ref. No. CL/CED/	505	Dated:	30-07-20
Your Ref. No.	ARST-003	Dated:	23-07-20

### **COMPRESSION TEST REPORT**

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

Specimens received on:

23-07-20 Tested on:

29-07-20 in dry/wet condition

n										
		Cas	sting	g Date*	Size	Weight	Area of	Ultimate	Ultimate	
Sr. No	Mark*	/W	'et V	Veight	(in)	(lbs./gms)	X- Section	load	Stress	Remarks
			(gr	ns)			(Sq. in)	(Tons/lbs)	(Psi)	
1	S06 (F-1)	1	1 5 2020		6Diax12	14	28.28	47	3730	Non Engraved
2	S08 (F-1)	1	5	2020	6Diax12	14	28.28	47	3730	Non Engraved
3	S09 (F-1)	1	5	2020	6Diax12	13.4	28.28	45	3570	Non Engraved
4	C17 (Column)	21	5	2020	6Diax12	14	28.28	53	4200	Non Engraved
5	S01 (Slab)	19	6	2020	6Diax12	14.2	28.28	61	4840	Non Engraved
6	S02 (Slab)	19	6	2020	6Diax12	14	28.28	63	4990	Non Engraved
7	S03 (Slab)	19	6	2020	6Diax12	14	28.28	57	4520	Non Engraved
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 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**

10350 Dr. Umbreen



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

#### To: Project Manager (Orchard Mall)

10351 Dr. M. Yousaf

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Q-	Links	Property	' Mana	geme	ent F	Pvt.∣	Ltd.	

Project: Construction of Orchard Mall, Bahria Orchard, Lahore

Our Ref. No. CL/CED/	506	Dated:	30-07-20
Your Ref. No.	QLPM-OM-11	Dated:	15-07-20

### **COMPRESSION TEST REPORT**

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

Specimens received on:

23-07-20 Tested on:

30-07-20

20 in dry/wet condition

		Cas	sting	g Date*	Size	Weight	Area of	Ultimate	Ultimate	
r. No	Mark*	w	et V	Veight	(in)	(lbs./gms)	X-Section	load	Stress	Remarks
S			(gms)				(Sq. in)	(Tons/lbs)	(Psi)	
1	Retaining Wall (3000 Psi)	13	13 7 2020		6Diax12	14	28.28	30	2380	Non Engraved
2										
3										
4										
5										
6										
7										
8										
9										
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supervisor(lab)



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

To: Project Manager (Orchard Mall)

10351 Dr. M. Yousaf

### Q-Links Property Management Pvt. Ltd.

Project: Construction of Orchard Mall, Bahria Orchard, Lahore

Our Ref. No. CL/CED/	507	Dated:	30-07-20
Your Ref. No.	QLPM-OM-09	Dated:	15-07-20

### COMPRESSION TEST REPORT

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

Specimens received on:

23-07-20 Tested on:

30-07-20 in dry/wet condition

		Са	Casting Date* /Wet Weight (gms)		Size	Weight	Area of	Ultimate	Ultimate	
Sr. No.	Mark*	N			(in)	(lbs./gms)	X- Section	load	Stress	Remarks
0,							(Sq. in)	(Tons/lbs)	(Psi)	
1	Basement Slab (3000 Psi)	5	5 7 2020		6Diax12	14	28.28	20	1590	Non Engraved
2	Basement Slab (3000 Psi)	5	7	2020	6Diax12	13.8	28.28	31	2460	Non Engraved
3	Basement Column (5000 Psi)	5	7	2020	6Diax12	14	28.28	63	4990	Non Engraved
4	Retaining Wall (3000 Psi)	9	7	2020	6Diax12	14	28.28	25	1980	Non Engraved
5										
6										
7										
8										
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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: Project Manager (Broadway Height-2)

10351 Dr. M. Yousaf

### Q-Links Property Management Pvt. Ltd.

Project: Construction of Broadway Height-2, Bahria Orchard, Lahore

Our Ref. No. CL/CED/	508	Dated:	30-07-20
Your Ref. No.	QLPM-BH2-10	Dated:	15-07-20

### COMPRESSION TEST REPORT

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

Specimens received on:

23-07-20 Tested on:

30-07-20 in dry/wet condition

		Ca	sting	n Data*	Sizo	Weight	Area of	Lilitimate	Lilitimate	
Sr. No.	Mark*	/W	Wet Weight (gms)		(in)	(lbs./gms)	X- Section	load	Stress	Remarks
0,							(Sq. in)	(Tons/lbs)	(Psi)	
1	5th Floor Slab (3000 Psi)	27	27 6 2020		6Diax12	14	28.28	45	3570	Engraved
2	5th Floor Slab (3000 Psi)	27	6	2020	6Diax12	14	28.28	34	2700	Engraved
3										
4										
5										
6										
7										
8										
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11										
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13										
14										
15										
16										

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supervisor(lab)



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

### To: Muhammad Waqas (Manager Sites)

Architects In Design, Lahore

Project: Plot No.52M, Quaid-e-Azam Industrial Estate Kotlakhpat, Lahore

Our Ref. No. CL/CED/	509	Dated:	30-07-20
Your Ref. No.	Nil	Dated:	24-07-20

### COMPRESSION TEST REPORT

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

24-07-20

Specimens received on:

Tested on:

30-07-20 in dry/wet condition

		Cas	sting	g Date*	Size	Weight	Area of	Ultimate	Ultimate	
Sr. No	Mark*	Ŵ	'et V	Veight	(in)	(lbs./gms)	X- Section	load	Stress	Remarks
			(gn	ns)			(Sq. in)	(Tons/lbs)	(Psi)	
1		26	26 6 2020		6Diax12	13.8	28.28	65	5150	Non Engraved
2		26	6	2020	6Diax12	14	28.28	49	3890	Non Engraved
3		25	6	2020	2020 6Diax12 13.8 28.28 5:		53	4200	Non Engraved	
4		25	6	2020	6Diax12	13.8	28.28	61	4840	Non Engraved
5		22	6	2020	6Diax12	14	28.28	48	3810	Non Engraved
6		22	6	2020	6Diax12	13.2	28.28	29	2300	Non Engraved
7										
8										
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10										
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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

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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** 

10357 Dr. M. Yousaf



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

# To: Engr. Usama Abbas Khokhar (Project Engineer Civil) Shahid Builders (Pvt.) Ltd. Lahore Project: Construction of Burger King / Pizza Hut Plaza DHA, Phase V, Lahore Our Ref. No. CL/CED/ 510 Dated: 30-07-20 Your Ref. No. SBL/2020/1047 Dated: 24-07-20

### **COMPRESSION TEST REPORT**

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

Specimens received on:

24-07-20 Tested on:

30-07-2

30-07-20 in dry/wet condition

10359

Dr. M. Yousaf

Sr. No.	Mark*	Cas /W	Casting Date* /Wet Weight		Size (in)	Weight (Ibs./gms)	Area of X- Section	Ultimate load	Ultimate Stress	Remarks
		$\vdash$	(gms)				(Sq. III)		(PSI)	
1	Ground Floor Slab	23	6	2020	6Diax12	14	28.28	50	3960	Non Engraved
2	Ground Floor Slab	23	6	2020	6Diax12	14	28.28	33	2620	Non Engraved
3										
4										
5										
6										
7										
8										
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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

\* 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)



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

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

10348 Dr. Umbreen

### Project: CMPAK SiteID-43007, Pier Foundation

Our Ref. No. CL/CED/ 511 Dated: 30-07-20

21-07-20 Your Ref No CME/Cubes/CMPAK/603 Dated<sup>.</sup>

### COMPRESSION TEST REPORT

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

Specimens received on:

23-07-20 Tested on:

27-07-20 in dry/wet condition

		Ca	sting	g Date*	Size	Weight	Area of	Ultimate	Ultimate	
. No.	Mark*	M	/et V	Veight	(in)	(lbs./gms)	X-Section	load	Stress	Remarks
S			(gn	ns)			(Sq. in)	(Tons/lbs)	(Psi)	
1	(1:1.5:3)	23	6	2020	6x6x6	8.2	36	96	5980	Non Engraved
2	(1:1.5:3)	23	6	2020	6x6x6	8.4	36	98	6100	Non 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

\* 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"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: Imran Akhtar (Project Manager) CM Engineering (Pvt.) Ltd. Lahore

Project: CMPAK SiteID-43110, Complete Foundation

Our Ref. No. CL/CED/ 512 Dated: 30-07-20

18-07-20 Your Ref No CME/Cubes/CMPAK/614 Dated:

### COMPRESSION TEST REPORT

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

Specimens received on:

23-07-20 Tested on:

27-07-20 in dry/wet condition

10348

Dr. Umbreen

		Ca	sting	g Date*	Size	Weight	Area of	Ultimate	Ultimate	
Sr. No.	Mark*	/M	/et V	Veight	(in)	(lbs./gms)	X- Section	load	Stress	Remarks
			(gr	ns)			(Sq. in)	(Tons/lbs)	(Psi)	
1	(1:1.5:3)	20	6	2020	6x6x6	8.6	36	110	6850	Non Engraved
2	(1:1.5:3)	20	6	2020	6x6x6	8.4	36	106	6600	Non Engraved
3										
4										
5										
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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)

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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

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

10348 Dr. Umbreen

### Project: CMPAK SiteID-43038, Pier Foundation

Our Ref. No. CL/CED/ 513 Dated: 30-07-20

16-07-20 Your Ref No CME/Cubes/CMPAK/613 Dated<sup>.</sup>

### COMPRESSION TEST REPORT

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

Specimens received on:

23-07-20 Tested on:

27-07-20 in dry/wet condition

		Ca	sting	g Date*	Size	Weight	Area of	Ultimate	Ultimate	
ŝr. No	Mark*	/W	/et V	Veight	(in)	(lbs./gms)	X-Section	load	Stress	Remarks
0)			(gr	ns)			(Sq. in)	(Tons/lbs)	(Psi)	
1	(1:1.5:3)	18	6	2020	6x6x6	8.4	36	96	5980	Non Engraved
2	(1:1.5:3)	18	6	2020	6x6x6	8.6	36	96	5980	Non Engraved
3										
4										
5										
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11										
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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

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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)



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

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

10348 Dr. Umbreen

### Project: CMPAK, Site ID-43037, Pier Foundation

Our Ref. No. CL/CED/ 514 Dated: 30-07-20

Your Ref No CME/Cubes/CMPAK/612 Dated<sup>.</sup> 15-07-20

### COMPRESSION TEST REPORT

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

Specimens received on:

23-07-20 Tested on:

27-07-20 in dry/wet condition

		Ca	sting	g Date*	Size	Weight	Area of	Ultimate	Ultimate	
ŝr. No	Mark*	M	/et V	Veight	(in)	(lbs./gms)	X-Section	load	Stress	Remarks
S S			(gr	ns)			(Sq. in)	(Tons/lbs)	(Psi)	
1	(1:1.5:3)	17	6	2020	6x6x6	8.4	36	100	6230	Non Engraved
2	(1:1.5:3)	17	6	2020	6x6x6	8.2	36	98	6100	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

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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

10348 Dr. Umbreen

### Project: CMPAK, Site ID-43095, Pier Foundation

Our Ref. No. CL/CED/ Dated: 30-07-20 515

Your Ref No CME/Cubes/CMPAK/607 Dated: 06-07-20

### COMPRESSION TEST REPORT

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

Specimens received on:

23-07-20 Tested on:

27-07-20 in dry/wet condition

ŝr. No.	Mark*	Ca A	astir Vet	ng Date* Weight	Size (in)	Weight (Ibs./gms)	Area of X- Section	Ultimate load	Ultimate Stress	Remarks
0,			(g	ims)			(Sq. in)	(Tons/lbs)	(Psi)	
1	(1:1.5:3)	8	6	2020	6x6x6	8.6	36	82	5110	Non Engraved
2	(1:1.5:3)	8	6	2020	6x6x6	8.2	36	63	3920	Non Engraved
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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

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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-43079, Complete Foundation

Our Ref. No. CL/CED/ 516 Dated: 30-07-20 Your Ref No CME/Cubes/CMPAK/606 Dated: 07-07-20

### COMPRESSION TEST REPORT

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

Specimens received on:

23-07-20 Tested on:

27-07-20 in dry/wet condition

10348

Dr. Umbreen

		Са	astir	ng Date*	Size	Weight	Area of	Ultimate	Ultimate	
Sr. No.	Mark*	Λ	Vet	Weight	(in)	(lbs./gms)	X- Section	load	Stress	Remarks
0,			(g	ims)			(Sq. in)	(Tons/lbs)	(Psi)	
1	(1:1.5:3)	9	6	2020	6x6x6	9	36	104	6480	Non Engraved
2	(1:1.5:3)	9	6	2020	6x6x6	8.2	36	75	4670	Non 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

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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

10348

Dr. Umbreen

Project: CMPAK, Site ID-43145, Pier Foundation

Our Ref. No. CL/CED/ 517 Dated: 30-07-20

Your Ref No CME/Cubes/CMPAK/610 Dated: 08-07-20

### COMPRESSION TEST REPORT

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

Specimens received on:

23-07-20 Tested on:

27-07-20 in dry/wet condition

		Ca	sting	g Date*	Size	Weight	Area of	Ultimate	Ultimate	
Sr. No.	Mark*	/M	/et V	Veight	(in)	(lbs./gms)	X- Section	load	Stress	Remarks
0,			(gr	ns)			(Sq. in)	(Tons/lbs)	(Psi)	
1	(1:1.5:3)	10	6	2020	6x6x6	8.2	36	69	4300	Non Engraved
2	(1:1.5:3)	10	6	2020	6x6x6	8.4	36	104	6480	Non Engraved
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\_reports&id=6

\* as engraved on the specimens (if any)

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

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

\*\*\*\* ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as 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: Imran Akhtar (Project Manager) CM Engineering (Pvt.) Ltd. Lahore

10348 Dr. Umbreen

Project: CMPAK, Site ID-43031, Pier Foundation

Our Ref. No. CL/CED/ 518 Dated: 30-07-20

Your Ref No CME/Cubes/CMPAK/604 Dated: 09-07-20

### COMPRESSION TEST REPORT

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

Specimens received on:

23-07-20 Tested on:

27-07-20 in dry/wet condition

		Ca	sting	g Date*	Size	Weight	Area of	Ultimate	Ultimate	
ŝr. No	Mark*	M	/et V	Veight	(in)	(lbs./gms)	X-Section	load	Stress	Remarks
0)			(gr	ns)			(Sq. in)	(Tons/lbs)	(Psi)	
1	(1:1.5:3)	11	6	2020	6x6x6	8	36	94	5850	Non Engraved
2	(1:1.5:3)	11	6	2020	6x6x6	8.6	36	90	5600	Non Engraved
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\_reports&id=6

\* as engraved on the specimens (if any)

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

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

\*\*\*\* ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as 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: Imran Akhtar (Project Manager) CM Engineering (Pvt.) Ltd. Lahore

10348 Dr. Umbreen

### Project: CMPAK, Site ID-42995, Pier Foundation

Our Ref. No. CL/CE	D/	519	Dated:	30-07-20
Your Ref. No.	CME/Cut	bes/CMPAK/602	Dated:	10-07-20

our Ref. No.	CME/Cubes/CMPAK/602	Dated:	10-07-20

### COMPRESSION TEST REPORT

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

Specimens received on:

23-07-20 Tested on:

27-07-20 in dry/wet condition

<b></b>										
		Ca	sting	g Date*	Size	Weight	Area of	Ultimate	Ultimate	
Sr. No	Mark*	M	/et V	Veight	(in)	(lbs./gms)	X- Section	load	Stress	Remarks
			(gr	ns)			(Sq. in)	(Tons/lbs)	(Psi)	
1	(1:1.5:3)	12	6	2020	6x6x6	8.4	36	59	3680	Non Engraved
2	(1:1.5:3)	12	6	2020	6x6x6	8.2	36	94	5850	Non Engraved
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\_reports&id=6

\* as engraved on the specimens (if any)

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

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

\*\*\*\* ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as 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: Imran Akhtar (Project Manager) CM Engineering (Pvt.) Ltd. Lahore

10348 Dr. Umbreen

### Project: CMPAK, Site ID-43039, Pier Foundation

Our Ref. No. CL/CED/ 520 Dated: 30-07-20

Your Ref No CME/Cubes/CMPAK/605 Dated<sup>.</sup> 11-07-20

### COMPRESSION TEST REPORT

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

Specimens received on:

23-07-20 Tested on:

27-07-20 in dry/wet condition

		Са	sting	g Date*	Size	Weight	Area of	Ultimate	Ultimate	
r. No.	Mark*	M	/et V	Veight	(in)	(lbs./gms)	X-Section	load	Stress	Remarks
S			(gr	ns)			(Sq. in)	(Tons/lbs)	(Psi)	
1	(1:1.5:3)	13	6	2020	6x6x6	9	36	120	7470	Non Engraved
2	(1:1.5:3)	13	6	2020	6x6x6	8.4	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

\* 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: Imran Akhtar (Project Manager) CM Engineering (Pvt.) Ltd. Lahore

Project: CMPAK, Site ID-42725, Complete Foundation

Our Ref. No. CL/CED/ 521 Dated: 30-07-20 11-07-20 Your Ref No CME/Cubes/CMPAK/611 Dated<sup>.</sup>

### COMPRESSION TEST REPORT

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

Specimens received on:

23-07-20 Tested on:

27-07-20 in dry/wet condition

10348

Dr. Umbreen

		0-	Casting Date*		0:	Mainht	Arrest	L III in a fa		
Ċ		Ca	sting	g Date*	Size	vveight	Area of	Ultimate	Ultimate	
Sr. No	Mark*	M	/et V	Veight	(in)	(lbs./gms)	X- Section	load	Stress	Remarks
0,			(gms)				(Sq. in)	(Tons/lbs)	(Psi)	
1	(1:1.5:3)	13	6	2020	6x6x6	8.6	36	86	5360	Non Engraved
2	(1:1.5:3)	13	6	2020	6x6x6	9	36	90	5600	Non Engraved
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\_reports&id=6

\* as engraved on the specimens (if any)

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

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

\*\*\*\* ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as 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: Imran Akhtar (Project Manager) CM Engineering (Pvt.) Ltd. Lahore

10348 Dr Umbreen

### Project: CMPAK, Site ID-42976, Pier Foundation

Our Ref. No. CL/CED/ 522 Dated: 30-07-20

14-07-20 Your Ref No CME/Cubes/CMPAK/615 Dated:

### COMPRESSION TEST REPORT

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

Specimens received on:

23-07-20 Tested on:

27-07-20 in dry/wet condition

		Ca	otina	n Doto*	Sizo	Woight	Area of	Lilitimata	Liltimata	
ö		Ca	ອແກ່ຮູ	y Dale	3120	weight	Alea U	Olimate	Ullimate	
Sr. N	Mark*	/M	/et V	Veight	(in)	(lbs./gms)	X-Section	load	Stress	Remarks
0)		(gr		ns)			(Sq. in)	(Tons/lbs)	(Psi)	
1	(1:1.5:3)	16	6	2020	6x6x6	9	36	88	5480	Non Engraved
2	(1:1.5:3)	16	6	2020	6x6x6	8.8	36	102	6350	Non Engraved
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\_reports&id=6

\* as engraved on the specimens (if any)

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

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

\*\*\*\* ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as 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: M. Furgan (Project Manager) CM Engineering (Pvt.) Ltd. Lahore Project: CMPAK, Site ID-52617, Raft Foundation

Our Ref. No. CL/CED/ 523 Dated: 30-07-20

Your Ref No CME/Cubes/CMPAK/596 Dated<sup>.</sup> 10-07-20

### COMPRESSION TEST REPORT

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

Specimens received on:

23-07-20 Tested on:

27-07-20 in dry/wet condition

10348

Dr. Umbreen

		Ca	sting	g Date*	Size	Weight	Area of	Ultimate	Ultimate	
ŝr. No	Mark*	/\\	/et V	Veight	(in)	(lbs./gms)	X-Section	load	Stress	Remarks
0)	ω		(gms)				(Sq. in)	(Tons/lbs)	(Psi)	
1	(1:1.5:3)	12	6	2020	6x6x6	8.4	36	86	5360	Non Engraved
2	(1:1.5:3)	12	6	2020	6x6x6	8.6	36	96	5980	Non Engraved
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\_reports&id=6

\* as engraved on the specimens (if any)

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

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

\*\*\*\* ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as 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

10348 Dr. Umbreen

#### To: M. Furqan (Project Manager) CM Engineering (Pvt.) Ltd. Lahore Project: CMPAK, Site ID-52705, Drill Pier / BTS PAD

 Our Ref. No. CL/CED/
 524
 Dated:
 30-07-20

 Your Ref. No.
 CME/Cubes/CMPAK/601
 Dated:
 15-07-20

### **COMPRESSION TEST REPORT**

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

Specimens received on:

23-07-20 Tested on:

27-07-20

in dry/wet condition

		Са	stin	g Date*	Size	Weight	Area of	Ultimate	Ultimate	
ŝr. No	Mark*	M	Vet \	Neight	(in)	(lbs./gms)	X-Section	load	Stress	Remarks
0)			(gms)				(Sq. in)	(Tons/lbs)	(Psi)	
1	(1:1.5:3)	17	6	2020	6x6x6	8.6	36	77	4800	Non Engraved
2	(1:1.5:3)	17	6	2020	6x6x6	8.6	36	90	5600	Non Engraved
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\_reports&id=6

\* as engraved on the specimens (if any)

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

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

\*\*\*\* ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as 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

10348 Dr. Umbreen

To:	M. Furqan (Proje CM Engineering ( Project: CMPAK,	ct Ma (Pvt.) Site I	nage Ltd.	er) Lahore 2731, Dr	ill Pier / B	TS PAD				Dr. Umbree
	Our Ref. No. CL/CE	D/		528	5	Dated:	30-0	7-20		
	Your Ref. No.	CN	CME/Cubes/CMF		PAK/600	PAK/600 Dated: 15		7-20		
		СС	DM	PRE	SSION	I TEST	REPO	RT		
Cond	crete Cubes/Concret	e Cyli	nder	s/Bricks/	Cores/Tuf	f Tiles/Pavei	rs -			
Spec	imens received on:		23-07	7-20	Tested or	ו:	27-07-20	in dry/wet c	ondition	
		Ca	isting	Date*	Size	Weight	Area of	Ultimate	Ultimate	
ŝr. No	Mark*	N	/Wet Weight		(in)	(lbs./gms)	X-Section	load	Stress	Remarks
0			(gn	ıs)			(Sq. in)	(Tons/lbs)	(Psi)	
1	(1:1.5:3)	17	6	2020	6x6x6	8.8	36	106	6600	Non Engraved
2	(1:1.5:3)	17	6	2020	6x6x6	8.6	36	90	5600	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

\* as engraved on the specimens (if any)

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\*\* 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

102/0

To:	M. Furqan (Projec CM Engineering ( Project: CMPAK,	ct M P∨t Site	ana .) L e ID	ager) td. Laho -52631,	re Raft Foun	dation				Dr. Umbreen		
	Our Ref. No. CL/CEI	)/		520	6	Dated:	30-0	07-20				
	Your Ref. No.	C	ΛE/	Cubes/CN	/IPAK/594	Dated:	05-0	07-20				
		COMPRESS						ORT				
Conc	Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers											
Spec	imens received on:		23-	07-20	Tested on:		27-07-20	in dry/wet condition				
		Ca	astir	ng Date*	Size	Weight	Area of	Ultimate	Ultimate			
Sr. No	Mark*	Λ	Vet	Weight	(in)	(lbs./gms)	X- Section	load	Stress	Remarks		
0)			(g	ms)			(Sq. in)	(Tons/lbs)	(Psi)			
1	(1:1.5:3)	7	6	2020	6x6x6	8.6	36	82	5110	Non Engraved		
2	(1:1.5:3)	7	6	2020	6x6x6	8.6	36	90	5600	Non Engraved		
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\_reports&id=6

\* as engraved on the specimens (if any)

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

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

\*\*\*\* ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as 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: M. Furqan (Project Manager)

10348 Dr. Umbreen

CM Engineering (Pvt.) Ltd. Lahore Project: CMPAK, Site ID-52631, Column / BTS PAD										
Our Ref. No. CL/0	CED/ 527	Dated:	30-07-20							
Your Ref. No.	CME/Cubes/CMPAK/595	Dated:	07-07-20							

### **COMPRESSION TEST REPORT**

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

Specimens received on:

23-07-20

Tested on:

27-07-20 in dry/wet condition

. No.	Mark*	Ca A	Casting Date* /Wet Weight		Size (in)	Weight (Ibs./gms)	Area of X-	Ultimate	Ultimate Stress	Remarks
Sr			(g	ms)			(Sq. in)	(Tons/lbs)	(Psi)	
1	(1:1.5:3)	9	9 6 2020		6x6x6	8.6	36	106	6600	Non Engraved
2	(1:1.5:3)	9	6	2020	6x6x6	8	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

\* 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)



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

### To: M. Furgan (Project Manager)

10348 Dr. Umbreen

CM Engineering ( Project: CMPAK,	CM Engineering (Pvt.) Ltd. Lahore Project: CMPAK, Site ID-52617, Column / BTS PAD											
Our Ref. No. CL/CEI	D/ 528	Dated:	30-07-20									
Your Ref. No.	CME/Cubes/CMPAK/597	Dated:	12-07-20									
Concrete Cubes/Concrete	COMPRESSIO	N TEST	REPORT									

Specimens received on:

23-07-20

Tested on:

27-07-20 in dry/wet condition

		Ca	sting	g Date*	Size	Weight	Area of	Ultimate	Ultimate	
Sr. No	Mark*	M	/et V	Veight	(in)	(lbs./gms)	X- Section	load	Stress	Remarks
			(gms)				(Sq. in)	(Tons/lbs)	(Psi)	
1	(1:1.5:3)	14	14 6 2020		6x6x6	9	36	120	7470	Non Engraved
2	(1:1.5:3)	14	6	2020	6x6x6	8.6	36	112	6970	Non Engraved
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\_reports&id=6

\* as engraved on the specimens (if any)

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

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

\*\*\*\* ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as 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)



To: M. Furgan (Project Manager)

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

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

10348

Dr. Umbreen

#### CM Engineering (Pvt.) Ltd. Lahore Project: CMPAK, Site ID-52685, Drill Pier / BTS PAD Our Ref. No. CL/CED/ 529 Dated: 30-07-20 Your Ref. No. CME/Cubes/CMPAK/598 Dated: 13-07-20 COMPRESSION TEST REPORT Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers Specimens received on: 23-07-20 Tested on: 27-07-20 in dry/wet condition Casting Date\* Size Weight Area of Ultimate Ultimate Š X-/Wet Weight Mark\* (in) (lbs./gms) load Stress Remarks Section ັດ (gms) (Sq. in) (Tons/lbs) (Psi) 1 15 6 2020 6x6x6 Non Engraved (1:1.5:3) 8.4 36 94 5850 2 2020 7470 (1:1.5:3) 15 6 6x6x6 86 120 Non Engraved 36 3 4 5 6 7 8 9 10 11 12

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)

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\*\* 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

> 10348 n

То:	M. Furqan (Projec CM Engineering ( Project: CMPAK,	/I. Furqan (Project Manager) CM Engineering (Pvt.) Ltd. Lahore Project: CMPAK, Site ID-52704, Drill Pier / BTS PAD										
	Our Ref. No. CL/CE	D/		53	0	Dated:	30-0	07-20				
	Your Ref. No.	СМ	E/C	ubes/CN	IPAK/599	Dated:	14-07-20					
	COMPRESSION TEST REPORT											
Cond	Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers											
Specimens received on: 23-07-20 Tested on: 27-07-20 in dry/wet condition												
		Ca	stinç	g Date*	Size	Weight	Area of	Ultimate	Ultimate			
ir. No	Mark*	/M	/et V	Veight	(in)	(lbs./gms)	X-Section	load	Stress	Remarks		
S S			(gn	ns)			(Sq. in)	(Tons/lbs)	(Psi)			
1	(1:1.5:3)	16	6	2020	6x6x6	8.4	36	112	6970	Non Engraved		
2	(1:1.5:3)	16	6	2020	6x6x6	8.6	36	120	7470	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

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supervisor(lab)



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

10348

#### To: M. Furgan (Project Manager) Dr. Umbreen CM Engineering (Pvt.) Ltd. Lahore Project: CMPAK, Site ID-52728, Drill Pier / BTS PAD Our Ref. No. CL/CED/ 531 Dated: 30-07-20 Your Ref. No. CME/Cubes/CMPAK/619 Dated: 19-07-20 COMPRESSION TEST REPORT Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers Specimens received on: 23-07-20 Tested on: 27-07-20 in dry/wet condition Casting Date\* Size Weight Area of Ultimate Ultimate Š /Wet Weight X-Section Mark\* (in) (lbs./gms) load Stress Remarks ັດ (gms) (Sq. in) (Tons/lbs) (Psi) 1 7 2020 6x6x6 4670 Non Engraved (1:1.5:3) 12 8.6 36 75 2 7 79 (1:1.5:3) 12 2020 6x6x6 84 36 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

\* 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)



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

#### To: Sub Divisional Officer

10356 Dr. Umbreen

**Buildings Sub Division No. 12, Lahore** Project: Construction of Hostels for Students Along Inter Connecting Bridge of Fatima Jinah Medical University, Lahore (Basement Columns)

Our Ref. No. CL/CED/	532	Dated:	30-07-20
Your Ref. No.	340/SDO12th	Dated:	01-07-20

Tested on:

### COMPRESSION TEST REPORT

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

Specimens received on:

24-07-20

27-07-20 in dry/wet condition

		С	astir	ng Date*	Size	Weight	Area of	Ultimate	Ultimate	
r. No.	Mark*	Λ	/Wet Weight		(in)	(lbs./gms)	X-Section	load	Stress	Remarks
S			(9	gms)			(Sq. in)	(Tons/lbs)	(Psi)	
1	(1:1.5:3)	3	6	2020	6x6x6	9	36	81	5040	Non Engraved
2	(1:1.5:3)	3	6	2020	6x6x6	9	36	59	3680	Non Engraved
3										
4										
5										
6										
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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

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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)



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

> 10356 Dr. Umbreen

#### To: Sub Divisional Officer Dr. Umbreen Buildings Sub Division No. 12, Lahore Project: Construction of Hostels for Students Along Inter Connecting Bridge of Fatima Jinah Medical University, Lahore (Footing Beams)

Our Ref. No. CL/CED/	533	Dated:	30-07-20
Your Ref. No.	337/SDO12th	Dated:	01-07-20

### **COMPRESSION TEST REPORT**

Tested on:

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

Specimens received on:

24-07-20

27-07-20 in dry/wet condition

		Ca	stin	g Date*	Size	Weight	Area of	Ultimate	Ultimate	
Sr. No.	Mark*	N	Vet	Weight	(in)	(lbs./gms)	X- Section	load	Stress	Remarks
			(gı	ms)			(Sq. in)	(Tons/lbs)	(Psi)	
1	(1:2:4)	22	5	2020	6x6x6	9	36	96	5980	Non Engraved
2	(1:2:4)	22	5	2020	6x6x6	9	36	88	5480	Non Engraved
3										
4										
5										
6										
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14										
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Results can also be seen on website <u>http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\_reports&id=6</u>

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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)



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

10356 Dr. M. Yousaf

#### To: Sub Divisional Officer **Buildings Sub Division No. 12, Lahore** Project: Construction of Hostels for Students Along Inter Connecting Bridge of Fatima Jinah Medical University, Lahore 504 atad. ~~~~~~

Our Ref. No. CL/CED/	534	Dated:	30-07-20
Your Ref. No.	200/SDO12th	Dated:	21-03-20

### COMPRESSION TEST REPORT

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

Specimens received on:

24-07-20 Tested on:

29-07-20 in dry/wet condition

		Casting Date*	Size	Weight	Area of	Ultimate	Ultimate	
Sr. No	Mark*	/Wet Weight	(in)	(lbs./gms)	X-Section	load	Stress	Remarks
		(gms)			(Sq. in)	(Tons/lbs)	(Psi)	
1	S4		8.7x4.3x2.7	3135	37.41	57	3420	
2	S4		8.7x4.2x2.8	3150	36.54	67	4110	
3	S4		8.7x4.2x2.8	3162	36.54	65	3990	
4	S4		8.7x4.3x2.9	3168	37.41	59	3540	
5	S4		8.7x4.2x2.8	3091	36.54	58	3560	
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13								
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\_reports&id=6

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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)



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

#### To: H. Developments Construction

10361 Dr.Mazhar Saleem

4 Babar Block, Main Boulevard, Garden Town, Lahore

Project: H. Developments Construction, 4 Babar Block, Main Boulevard, Garden Town, Lahore

Our Ref. No. CL/CED/	535	Dated:	30-07-20
Your Ref. No.	Nil	Dated:	27-07-20

### **COMPRESSION TEST REPORT**

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

Specimens received on:

27-07-20 Tested on:

28-07-20 in dry/wet condition

		1								
_		Casting Date*		Size	Weight	Area of	Ultimate	Ultimate		
Sr. No.	Mark*	w	/Wet Weight		(in)	(lbs./gms)	X- Section	load	Stress	Remarks
			(gms)				(Sq. in)	(Tons/lbs)	(Psi)	
1		12	5	2020	6Diax12	14.4	28.28	49	3890	Non Engraved
2		16	5	2020	6Diax12	14	28.28	69	5470	Non Engraved
3		19	5	2020	6Diax12	14	28.28	69	5470	Non Engraved
4		21	5	2020	6Diax12	14	28.28	73	5790	Non Engraved
5										
6										
7										
8										
9										
10										
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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

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supervisor(lab)



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

#### To: Azam Wahab (Construction Manager)

10363 Dr.Mazhar Saleem

Akhunzada Associates (Pvt.) Ltd. Peshawar Project: Construction of 01 No. of 3 Storey Building in Shiekhupura in Punjab Province, Pakistan

Our Ref. No. CL/CED/	536	Dated:	30-07-20
Your Ref. No.	AA/UWOPS/03/Uet	Dated:	27-07-20

### COMPRESSION TEST REPORT

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

Specimens received on:

27-07-20 Tested on:

28-07-20 in dry/wet condition

[		1								
		Casting		) Date*	Size	Weight	Area of	Ultimate	Ultimate	
Sr. No	Mark*	ſW	/Wet Weight		(in)	(lbs./gms)	X- Section	load	Stress	Remarks
			(gn	ns)			(Sq. in)	(Tons/lbs)	(Psi)	
1	Raft	19	7	2020	6Diax12	13.8	28.28	45	3570	Non Engraved
2	Raft	19	7	2020	6Diax12	14	28.28	49	3890	Non Engraved
3	Raft	19	7	2020	6Diax12	14	28.28	45	3570	Non Engraved
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: Azam Wahab (Construction Manager)

10373 Dr. M. Yousaf

Akhunzada Associates (Pvt.) Ltd. Peshawar

Project: Construction of 01 No. of 3 Storey Building in Shiekhupura in Punjab Province, Pakistan

Our Ref. No. CL/CED/	537	Dated:	30-07-20
Your Ref. No.	AA/UNOPS/05/020	Dated:	28-07-20

### **COMPRESSION TEST REPORT**

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

Specimens received on:

28-07-20 Tested on:

30-07-20 in dry/wet condition

					<u>e</u> i					
Sr. No.	Mark*	/W	Casting Date*		Size (in)	(lbs./gms)	Area of X- Section	load	Oltimate	Remarks
			(gn	ns)			(Sq. in)	(Tons/lbs)	(Psi)	
1	Short Column	23	7	2020	6Diax12	14	28.28	48	3810	Non Engraved
2	Short Column	23	7	2020	6Diax12	13.6	28.28	46	3650	Non Engraved
3	Short Column	23	7	2020	6Diax12	14	28.28	40	3170	Non Engraved
4										
5										
6										
7										
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12										
13										
14										
15										
16										

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supervisor(lab)



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

> 10364 Dr. M. Yousaf

Amer Adnan Associates Project: Hotel Building a	, Lahore t 24-A Block E/	2 at Gulberg III,	Lahore
Our Ref. No. CL/CED/	538	Dated:	30-07-20

Your Ref. No.	AAA/24A/0019	Dated:	27-07-20

### **COMPRESSION TEST REPORT**

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

To: Muhammad Azeem (Operation Manager)

Specimens received on:

27-07-20 Tested on:

30-07-20 in dry/wet condition

		Cas	sting	g Date*	Size	Weight	Area of	Ultimate	Ultimate	
ŝr. No	Mark*	ſW	'et V	Veight	(in)	(lbs./gms)	X- Section	load	Stress	Remarks
0)			(gn	ns)			(Sq. in)	(Tons/lbs)	(Psi)	
1		28	6	2020	6Diax12	14	28.28	53	4200	Non Engraved
2		28	6	2020	6Diax12	13.4	28.28	48	3810	Non Engraved
3		28	6	2020	6Diax12	13.6	28.28	52	4120	Non Engraved
4										
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14										
15										
16										

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supervisor(lab)



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

To: Allah Ditta (Site Incharge)

10368 Dr. Umbreen

#### Okara Project: DHA Phase 8 (Retaining Wall, Water Tank)

Our Ref. No. CL/CED/	539	Dated:	30-07-20
Your Ref. No.	Nil	Dated:	28-07-20

### COMPRESSION TEST REPORT

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

Specimens received on:

28-07-20 Tested on:

29-07-20 in dry/wet condition

.or		Cas	sting	) Date*	Size	Weight	Area of X-	Ultimate	Ultimate	
Sr. N	Mark*	/W	et V	Veight	(in)	(lbs./gms)	Section	load	Stress	Remarks
			(gn	ns)			(Sq. in)	(Tons/lbs)	(Psi)	
1		19	7	2020	6Diax12	13.6	28.28	43	3410	Non Engraved
2		19	7	2020	6Diax12	13.4	28.28	41	3250	Non Engraved
3		19	7	2020	6Diax12	13.4	28.28	39	3090	Non Engraved
4										
5										
6										
7										
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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

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supervisor(lab)



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

10352

Dr. M. Yousaf

To: Abdullah Hussain (Resident Engineer) E&PHE Div., Nespak (Pvt.) Ltd. Lahore Project: Public Spaces Upgradation of Existing Parks in Sahiwal & Sialkot (Lot-2: Works for Upgradation of 4 Existing Parks in Sialkot)

Our Ref. No. CL/CED/	540	Dated:	30-07-20
Your Ref. No.	Nespak/SAH/UET/019	Dated:	13-07-20

### COMPRESSION TEST REPORT

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

Specimens received on:

23-07-20 Tested on:

30-07-20 in dry/wet condition

		Casting Date*	Size	Weight	Area of	Ultimate	Ultimate	
Sr. No.	Mark*	/Wet Weight	(in)	(lbs./gms)	X- Section	load	Stress	Remarks
		(gms)			(Sq. in)	(Tons/lbs)	(Psi)	
1	(Machine Made) H		8.6x4.1x2.7	2717	35.26	69	4390	
2	(Machine Made) H		8.6x4.2x2.8	2637	36.12	30	1860	
3	(Machine Made) H		8.6x4.1x2.7	2795	35.26	65	4130	
4	(Machine Made) H		8.7x4.1x2.8	2821	35.67	43	2700	
5	(Machine Made) H		8.7x4.2x2.8	2738	36.54	47	2890	
6	(Machine Made) H		8.7x4.1x2.7	2794	35.67	45	2830	
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

10352 Mazhar Saleem

## To: Abdullah Hussain (Resident Engineer) Dr.Mazhar Saleem E&PHE Div., Nespak (Pvt.) Ltd. Lahore Project: Public Spaces Upgradation of Existing Parks in Sahiwal & Sialkot (Lot-2: Works for Upgradation of 4 Existing Parks in Sialkot)

Our Ref. No. CL/CED/	541	Dated:	30-07-20
Your Ref. No.	Nespak/SAH/UET/020	Dated:	14-07-20

### **COMPRESSION TEST REPORT**

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

Specimens received on:

23-07-20 Tested on:

28-07-20 in dry/wet condition

No.		Casting Date* /Wet	Size	Weight	Area of X-	Ultimate	Ultimate	
Sr. I	Mark*	Weight	(in)	(lbs./gms)	Section	load	Stress	Remarks
		(gms)			(Sq. in)	(Tons/lbs)	(Psi)	
1	Rectangular Grey		7.8x3.8x2.4	2705	29.64	106	8020	
2	Rectangular Grey		7.8x3.8x2.4	2756	29.64	158	11950	
3	Rectangular Grey		7.8x3.8x2.4	2759	29.64	96	7260	
4	Rectangular Grey		7.8x3.8x2.4	2729	29.64	160	12100	
5	Rectangular Grey		7.8x3.8x2.4	2656	29.64	118	8920	
6	Rectangular Grey		7.8x3.8x2.4	2654	29.64	92	6960	
7	Rectangular Red		7.8x3.8x2.4	2728	29.64	134	10130	
8	Rectangular Red		7.8x3.8x2.4	2688	29.64	130	9830	
9	Rectangular Red		7.8x3.8x2.4	2666	29.64	102	7710	
10	Rectangular Red		7.8x3.8x2.4	2744	29.64	138	10430	
11	Rectangular Red		7.8x3.8x2.4	2719	29.64	114	8620	
12	Rectangular Red		7.8x3.8x2.4	2711	29.64	90	6810	
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 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)



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

#### To: Assistant Executive Engineer-IV

10362 Dr. M. Yousaf

Central Civil Division No. II, Pakistan Public Works Department

Project: Construction of International Hostel and Class Rooms at Dot Complex, Allama Iqbal Town, Lahore

Our Ref. No. CL/CED/	542	Dated:	30-07-20
Your Ref. No.	AEE-IV/CCD-II/LHR/42	Dated:	17-07-20

### COMPRESSION TEST REPORT

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

Specimens received on: 27-07-20

0 Tested on:

30-07-20 in dry/wet condition

Sr. No.	Mark*	Casting Date* /Wet Weight	Size (in)	Weight (Ibs./gms)	Area of X- Section	Ultimate load	Ultimate Stress	Remarks
		(gms)			(Sq. In)	(IONS/IDS)	(PSI)	
1	Н		8.7x4.2x2.8	3256	36.54	53	3250	
2	Н		9.0x4.3x3.0	3340	38.7	43	2490	
3	Н		8.9x4.3x2.8	3177	38.27	49	2870	
4	Н		8.8x4.2x2.8	3165	36.96	52	3160	
5	Н		9.0x4.4x3.0	3236	39.6	46	2610	
6	н		8.9x4.3x2.9	3035	38.27	44	2580	
7	Н		9.0x4.3x2.9	3168	38.7	55	3190	
8	Н		8.9x4.4x3.0	3314	39.16	53	3040	
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

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)