

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

### To: Mr. Hassan Khan Sherwani (Provincial Construction Supervision Manager) Humqadam SCRP (M/s Astral Constructions)

Project: Humqadam School Construction and Rehabilitation Programme (Tapiala)

Our Ref. No. CL/CED/	1874	Dated:	29-01-21
Your Ref. No.	IMC-LHR/SCRP/2020/ MaterialTesting/LHR-1	Dated:	27-01-21

### COMPRESSION TEST REPORT

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

27-01-21

Specimens received	
on:	

Tested on:

29-01-21 in dry/wet condition

554

Dr.Mazhar Saleem

		С	asting	g Date*	Size	Weight	Area of	Ultimate	Ultimate	
Sr. No.	Mark*	/	Wet V	Veight	(in)	(lbs./gms)	X- Section	load	Stress	Remarks
			(gn	ns)			(Sq. in)	(Tons/lbs)	(Psi)	
1	Mortar Cube	31	12	2020	2.0x2.0x2.0	289	4	4.4	2430	
2	Mortar Cube	31	12	2020	2.0x2.0x2.0	308	4	3.7	2040	
3	Mortar Cube	31	12	2020	2.0x2.0x2.0	293	4	5.4	2980	
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

\* 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

554

# To: Mr. Hassan Khan Sherwani (Provincial Construction Supervision Manager) Dr. Mazhar Saleem Humqadam SCRP (M/s Astral Constructions) Dr. Mazhar Saleem

Project: Humqadam School Construction and Rehabilitation Programme (Ali Raza Abad)

Our Ref. No. CL/CED/	1875	Dated:	29-01-21
Your Ref. No.	IMC-LHR/SCRP/2020/ MaterialTesting/LHR-1	Dated:	27-01-21

### COMPRESSION TEST REPORT

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

Specimens received 27-01-21 Tested on: 29-01-21 in dry/wet condition on: Size Area of Ultimate Ultimate Casting Date\* Weight £ Х-/Wet Weight Stress Mark\* (in) (lbs./gms) load Remarks Section . ເ (Sq. in) (Tons/lbs) (Psi) (gms) 1 Mortar Cube 14 12 2020 2.0x2.0x2.0 305 4 2.7 1490 2 Mortar Cube 14 12 2020 2.0x2.0x2.0 298 4 3.6 1990 3 Mortar Cube 2020 2.0x2.0x2.0 4 4 14 12 297 2210 4 5 6 7 8 9 10 11 12 13 14 15 16

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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supervisor(lab)

be interpreted in the light of above factors by the engineer.



Our Ref. No. CL/CED/

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

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

29-01-21

#### To: Mr. Muhammad Majid Yasin (Senior Disrict Engineer) Saleem Humqadam SCRP (M/s Astral Constructions) Project: Humqadam School Construction and Rehabilitation Programme (GPS Chak 468 GB)

Dated:

IMC-FSD/SCRP/2021/ Your Ref. No. Dated<sup>.</sup> 21-01-21 MaterialTesting/FSD-1

1876

### COMPRESSION TEST REPORT

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

Specimens received on:

27-01-21 Tested on:

29-01-21 in dry/wet condition

553 Dr.Mazhar

		Cas	ting	Date*	Size	Weight	Area of	Ultimate	Ultimate	
Sr. No.	Mark*	/We	et W	/eight	(in)	(lbs./gms)	X- Section	load	Stress	Remarks
			(gm	s)			(Sq. in)	(Tons/lbs)	(Psi)	
1	Mortar Cube	13	1	2021	2.0x2.0x2.0	232	4	2.3	1270	
2	Mortar Cube	13	1	2021	2.0x2.0x2.0	268	4	4.5	2480	
3	Mortar Cube	13	1	2021	2.0x2.0x2.0	273	4	2.9	1600	
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supervisor(lab)



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

#### To: Mr. Muhammad Majid Yasin (Senior Disrict Engineer) Humqadam SCRP (M/s Astral Constructions)

Dr.Mazhar Saleem

553

Project: Humqadam School Construction and Rehabilitation Programme (GPS Chak 468 GB)

Our Ref. No. CL/CED/	1877	Dated: 29-07	
Your Ref. No.	IMC-FSD/SCRP/2021/ MaterialTesting/FSD-1	Dated:	22-01-21

### **COMPRESSION TEST REPORT**

Tested on:

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

27-01-21

Specimens received	
on:	

29-01-21 in dry/wet condition

		Са	astin	ig Date*	Size	Weight	Area of	Ultimate	Ultimate	
Sr. No.	Mark*	N	Vet	Weight	(in)	(lbs./gms)	X-Section	load	Stress	Remarks
0,			(g	ms)			(Sq. in)	(Tons/lbs)	(Psi)	
1	Mortar Cube	15	1	2021	2.0x2.0x2.0	291	4	1.3	720	
2	Mortar Cube	15	1	2021	2.0x2.0x2.0	284	4	5	2760	
3	Mortar Cube	15	1	2021	2.0x2.0x2.0	294	4	2	1110	
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supervisor(lab)



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

Dr. Burhan Sharif

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#### To: Mr. Abdul Ghafar (Project Manager)

Liberty Builders, Lahore Project: Construction of Zee Avenue-Ramada Hotel & Suites 17-A Cooper Road, Lahore (Columns of Phase-1, at 5th Floor Level +79'-4" + 90'-4")

Our Ref. No. CL/CED/	1878	Dated:	29-01-21
Your Ref. No.	CCT/UET/20210128	Dated:	28-01-21

### COMPRESSION TEST REPORT

Tested on:

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

Specimens received on:

29-01-21

29-01-21 in dry/wet condition

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		Ca	asting	g Date*	Size	Weight	Area of	Ultimate	Ultimate	
Sr. No.	Mark*	Λ	Net V	Veight	(in)	(lbs./gms)	X- Section	load	Stress	Remarks
			(gn	ns)			(Sq. in)	(Tons/lbs)	(Psi)	
1	2626	28	12	2020	6Diax12	15	28.28	130	10300	Non Engraved
2	2627	28	12	2020	6Diax12	14	28.28	120	9510	Non Engraved
3	2628	28	12	2020	6Diax12	13.6	28.28	104	8240	Non Engraved
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supervisor(lab)



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

#### To: Municipal Officer (Infrastructure) Municipal Committee, Vehari

Municipal Committee, Vehari Project:Rehabilitation of Municipal Infrastructure in Vehari City is in Progress Under Punjab Cities Program

Our Ref. No. CL/CED/	1879	Dated:	29-01-21
Your Ref. No.	105/MO(I)/MC(VR)	Dated:	20-01-21

### **COMPRESSION TEST REPORT**

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

Specimens received on:

21-01-21 Tested on:

29-01-21 in dry/wet condition

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·		Casting Date*	Size	Weight	Area of	Ultimate	Ultimate	
Sr. No.	Mark*	/Wet Weight	(in)	(lbs./gms)	X-Section	load	Stress	Remarks
0)		(gms)			(Sq. in)	(Tons/lbs)	(Psi)	
1	Rectangular Grey		7.8x3.9x2.4	2881	30.42	74	5450	
2	Rectangular Grey		7.8x3.9x2.4	2882	30.42	72	5310	
3	Rectangular Grey		7.8x3.9x2.4	2795	30.42	73	5380	
4	Rectangular Grey		7.8x3.9x2.4	2845	30.42	78	5750	
5	Rectangular Red		7.9x3.9x2.4	2859	30.81	75	5460	
6	Rectangular Red		7.9x3.9x2.4	2867	30.81	81	5890	
7	Rectangular Red		7.9x3.9x2.4	2818	30.81	55	4000	
8	Rectangular Red		7.9x3.9x2.4	2847	30.81	85	6180	
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supervisor(lab)

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

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Dr. M. Yousaf



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

### To: Mr. Hassan Khan Sherwani (Provincial Construction Supervision Manager) Humqadam SCRP (M/s Dawn Construction)

Project: Humqadam-School Construction and Rehabilitation Programme

Our Ref. No. CL/CED/	1880	Dated:	29-01-21
Your Ref. No.	IMC-LHR/SCRP/2020 /MaterialTesting/LHR-3	Dated:	26-01-21

### **COMPRESSION TEST REPORT**

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

Specimens received	
on:	26-01-21

Tested on:

29-01-21 in dry/wet condition

542

Dr.Mazhar Saleem

o Z Mark*		Casting Date* /Wet Weight		Size (in)	Weight (lbs./gms)	Area of X-	Ultimate load	Ultimate Stress	Remarks	
Sr.	Wark	,,,		ms)	("'')	(188./9118)	Section (Sq. in)	(Tons/lbs)	(Psi)	Kentanto
			(y				(34. 11)	(10113/103)	(1.21)	
1	Mortar Cube	20	1	2021	2.0x2.0x2.0	261	4	2	1110	
2	Mortar Cube	20	1	2021	2.0x2.0x2.0	289	4	1.7	940	
3	Mortar Cube	20	1	2021	2.0x2.0x2.0	275	4	3.9	2150	
4	Mortar Cube	20	1	2021	2.0x2.0x2.0	256	4	1	560	
5	Mortar Cube	20	1	2021	2.0x2.0x2.0	259	4	4.3	2370	
6	Mortar Cube	20	1	2021	2.0x2.0x2.0	263	4	2.9	1600	
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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

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То:	Johar Town, Laho	ICON Construction Services Johar Town, Lahore Project: Block M-4 Lake City									
	Our Ref. No. CL/CEE	D/		1881	Dated:	29-0	)1-21				
	Your Ref. No.		1	Nil	Dated:	27-0	)1-21				
Cond	crete Cubes/Concrete			RESSIO			ORT				
Spec	imens received on:	27-01-2	21	Tested on:		29-01-21	in dry/wet c	ondition			
Sr. No.	Mark*	Castin Date* /Wet Weigh (gms)	nt	Size (in)	Weight (Ibs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks		
1	Solid Block (1:3:6)			12.0x6.0x8.0	21	72	29	910			
2	Solid Block (1:3:6)			12.0x5.9x8.0	19.4	70.8	20	640			
3	Solid Block (1:3:6)			12.0x6.0x8.0	21	72	24	750			
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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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supervisor(lab)



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

#### To: ICON Construction Services Johar Town, Lahore Project: Block M-4 Lake City

550 Dr. M. Yousaf

Our Ref. No. CL/CED/	1882	Dated:	29-01-21
Your Ref. No.	Nil	Dated:	27-01-21

### COMPRESSION TEST REPORT

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

Specimens received on: 27-01-21

Tested on:

29-01-21 in dry/wet condition

Sr. No.	Mark*	Casting Date* /Wet Weight	Size (in)	Weight (lbs./gms)	Area of X-Section	Ultimate load	Ultimate Stress	Remarks
		(gms)			(Sq. in)	(Tons/lbs)	(Psi)	
1	2 3		8.6x4.1x2.7	2881	35.26	58	3690	
2	2 3		8.7x4.2x2.7	2915	36.54	39	2400	
3	2 3		8.8x4.2x2.8	3063	39.96	42	2360	
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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 Coordinator-SARF

560 Dr M Yousaf

**University Health Sciences Jinnah Campus, KSK** 

Project: SARF Jinnah Campus University of Health Science Kala Shah Kaku, Sheikhupura

Our Ref. No. CL/CED/	1883	Dated:	29-01-21
Your Ref. No.	UHS/Engg/1068	Dated:	26-01-21

### COMPRESSION TEST REPORT

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

Specimens received on: 28-01-21

Tested on:

29-01-21 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
0,		(gms)			(Sq. in)	(Tons/lbs)	(Psi)	
1	Kerb Stone		6.0x5.9x5.8	7.6	35.4	65	4120	
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
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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supervisor(lab)



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

#### To: Deputy Director Development & Maintenance Dr. M. Yousaf Punjab Land Records Authority, Government of the Punjab Project: Construction of PLRA Arazi Record Centers Across Punjab (LOT-1 South Region), (M/s Mian Hydro Construction Engineer) Our Ref. No. CL/CED/ 1884 Dated: 29-01-21

PLRA/DD.(CW)/QP/2021/01/09 Your Ref. No. Dated: 28-01-21

### COMPRESSION TEST REPORT

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

Specimens received on:

28-01-21

Tested on:

29-01-21 in dry/wet condition

	Casting Date*	Size	Weight	Area of	Ultimate	Ultimate	
Mark*	/Wet Weight	(in)	(lbs./gms)	X- Section	load	Stress	Remarks
	(gms)			(Sq. in)	(Tons/lbs)	(Psi)	
Rectangular Grey		7.7x3.8x2.3	2577	29.26	70	5360	
Rectangular Grey		7.7x3.8x2.3	2628	29.26	81	6210	
Rectangular Grey		7.7x3.8x2.3	2547	29.26	80	6130	
Rectangular Grey		7.7x3.8x2.3	2613	29.26	64	4900	
Rectangular Grey		7.7x3.8x2.3	2536	29.26	74	5670	
	Rectangular Grey Rectangular Grey Rectangular Grey Rectangular Grey	Mark* /Wet Weight (gms) Rectangular Grey I I I I Rectangular Grey I I I I Rectangular Grey I I I I Rectangular Grey I I I I	Mark*/Wet Weight (gms)(in)Rectangular Grey7.7x3.8x2.3Rectangular Grey7.7x3.8x2.3Rectangular Grey7.7x3.8x2.3Rectangular Grey7.7x3.8x2.3Rectangular Grey7.7x3.8x2.3Rectangular Grey </td <td>Mark*/// Wei Weight(in)(lbs./gms)(gms)(gms)100100100Rectangular GreyII7.7x3.8x2.32577Rectangular GreyII7.7x3.8x2.32628Rectangular GreyIII2547Rectangular GreyIII2613</td> <td>Mark*       //// Weight       (in)       (lbs./gms)       X-Section (Sq. in)         Rectangular Grey       Image: Comparison of the section of</td> <td>Mark*//Wet Weight (gms)(in)(lbs./gms)<math>X_{-}</math> Section (Sq. in)load (Tons/lbs)Rectangular Grey7.7x3.8x2.3257729.2670Rectangular Grey7.7x3.8x2.3262829.2681Rectangular Grey7.7x3.8x2.3254729.2680Rectangular Grey7.7x3.8x2.3261329.2664</td> <td>Mark*//Wet Weight(in)(lbs./gms)<math>\begin{array}{c} X_{-} \\ Section \\ (Sq. in) \end{array}</math>loadStressRectangular Grey7.7x3.8x2.3257729.26705360Rectangular Grey7.7x3.8x2.3262829.26816210Rectangular Grey7.7x3.8x2.3254729.26806130Rectangular Grey7.7x3.8x2.3261329.26644900</td>	Mark*/// Wei Weight(in)(lbs./gms)(gms)(gms)100100100Rectangular GreyII7.7x3.8x2.32577Rectangular GreyII7.7x3.8x2.32628Rectangular GreyIII2547Rectangular GreyIII2613	Mark*       //// Weight       (in)       (lbs./gms)       X-Section (Sq. in)         Rectangular Grey       Image: Comparison of the section of	Mark*//Wet Weight (gms)(in)(lbs./gms) $X_{-}$ Section (Sq. in)load (Tons/lbs)Rectangular Grey7.7x3.8x2.3257729.2670Rectangular Grey7.7x3.8x2.3262829.2681Rectangular Grey7.7x3.8x2.3254729.2680Rectangular Grey7.7x3.8x2.3261329.2664	Mark*//Wet Weight(in)(lbs./gms) $\begin{array}{c} X_{-} \\ Section \\ (Sq. in) \end{array}$ loadStressRectangular Grey7.7x3.8x2.3257729.26705360Rectangular Grey7.7x3.8x2.3262829.26816210Rectangular Grey7.7x3.8x2.3254729.26806130Rectangular Grey7.7x3.8x2.3261329.26644900

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**

567



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

#### To: General Manager

Pakistan Expatriates Co-operative Housing Society (PECHS) IZMIR Ltd. Lahore Project: Construction / Extension of Main Gate PECHS IZMIR

Tested on:

Our Ref. No. CL/CED/	1885	Dated:	29-01-21
Your Ref. No.	PECHS/IZMIR/10746	Dated:	13-01-21

### COMPRESSION TEST REPORT

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

Specimens received on:

27-01-21

29-01-21 in dry/wet condition

549

Dr. M. Yousaf

		1				1		1		
		Са	sting	Date*	Size	Weight	Area of	Ultimate	Ultimate	
Sr. No.	Mark*	///	Vet W	/eight	(in)	(lbs./gms)	X- Section	load	Stress	Remarks
			(gm	s)			(Sq. in)	(Tons/lbs)	(Psi)	
1		9	12	2020	6x6x6	9	36	90	5600	Engraved
2		17	12	2020	6x6x6	9	36	121	7530	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)

\*\* 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: Deputy Director (Sec I&II, Package-I, LOLMTP)

552 M. Yousaf

Dr. M. Yousaf

Lahore Development Authority (M/s Awais International) Project: Construction of Baghbanpura Police Station GT Road Lahore (Lahore Orange Line Metro Train Project, Package-I)

Our Ref. No. CL/CED/	1886	Dated:	29-01-21
Your Ref. No.	DD/PKG-I/LOLMTP /LDA/08	Dated:	21-01-21

### **COMPRESSION TEST REPORT**

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

Spec	imens received on:	2	27-0	)1-21	Tested or	::	29-01-21	in dry/wet c	ondition	
Sr. No.	Mark*			g Date* Weight	Size (in)	Weight (Ibs./gms)	Area of X-Section	Ultimate load	Ultimate Stress	Remarks
			(gr	ms)			(Sq. in)	(Tons/lbs)	(Psi)	
1		12	1	2021	6x6x6	9.2	36	98	6100	Engraved
2		12	1	2021	6x6x6	9	36	75	4670	Engraved
3		12	1	2021	6x6x6		36			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

\* 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

544 Engr. Ubaid

#### To: Mr. M. Furqan (Project Manager) CM Engineering (Pvt.) Ltd. Lahore Project: CMPAK, Site ID-51202, Drill Pier / BTS Pad

Our Ref. No. CL/CED/ 1887 Dated: 29-01-21 Your Ref. No. Dated: CME/Cubes/CMPAK/793 27-12-20

### COMPRESSION TEST REPORT

Tested on:

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

Specimens received on:

26-01-21

27-01-21 in dry/wet condition

		0.0	atina	Dete*	Cino	\\/o;abt	Area of	L IItim at a		
O				Date*	Size	Weight	Area of	Ultimate	Ultimate	
Sr. No.	Mark*	/M	/et W	/eight	(in)	(lbs./gms)	X-Section	load	Stress	Remarks
0,			(gm	s)			(Sq. in)	(Tons/lbs)	(Psi)	
1	(1:1.5:3)	29	11	2020	6x6x6	9	36	86	5360	Non Engraved
2	(1:1.5:3)	29	11	2020	6x6x6	8.8	36	98	6100	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)

\*\* 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: Mr. M. Furqan (Project Manager) CM Engineering (Pvt.) Ltd. Lahore Project: CMPAK, Site ID-52550, Raft Foundation

Our Ref. No. CL/CED/ 1888 Dated: 29-01-21

Your Ref. No. CME/Cubes/CMPAK/789 Dated: 21-12-20

Tested on:

### COMPRESSION TEST REPORT

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

Specimens received on:

26-01-21

27-01-21 in dry/wet condition

544

Engr. Ubaid

		Са	sting	Date*	Size	Weight	Area of	Ultimate	Ultimate	
Sr. No.	Mark*			/eight	(in)	(lbs./gms)	X-Section	load	Stress	Remarks
S			(gm	s)			(Sq. in)	(Tons/lbs)	(Psi)	
1	(1:1.5:3)	23	11	2020	6x6x6	9	36	67	4170	Non Engraved
2	(1:1.5:3)	23	11	2020	6x6x6	8.8	36	99	6160	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)

\*\* 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: Mr. M. Furqan (Project Manager) CM Engineering (Pvt.) Ltd. Lahore

544 Engr. Ubaid

Project: CMPAK, Site ID-52692, Column / BTS Pad

Our Ref. No. CL/CED/ 1889 Dated: 29-01-21

Your Ref. No. Dated: CME/Cubes/CMPAK/792 25-12-20

Tested on:

### COMPRESSION TEST REPORT

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

Specimens received on:

26-01-21

27-01-21 in dry/wet condition

		6	otina	Dete*	Sizo	Woight	Area of	Ultimate	Ultimate	
<u>.</u>				Date*	Size	Weight	Area of			
Sr. No.	Mark*	/M	Vet W	/eight	(in)	(lbs./gms)	X-Section	load	Stress	Remarks
0,			(gm	s)			(Sq. in)	(Tons/lbs)	(Psi)	
1	(1:1.5:3)	27	11	2020	6x6x6	8.8	36	93	5790	Non Engraved
2	(1:1.5:3)	27	11	2020	6x6x6	8.6	36	100	6230	Non Engraved
3										
4										
5										
6										
7										
8										
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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

\* 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: Mr. M. Furqan (Project Manager) CM Engineering (Pvt.) Ltd. Lahore Project: CMPAK, Site ID-52692, Raft Foundation

Our Ref. No. CL/CED/ 1890 Dated: 29-01-21

Your Ref. No. Dated: CME/Cubes/CMPAK/791 22-12-20

Tested on:

### COMPRESSION TEST REPORT

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

Specimens received on:

26-01-21

27-01-21 in dry/wet condition

544

Engr. Ubaid

		Са	sting	Date*	Size	Weight	Area of	Ultimate	Ultimate	
Sr. No.	Mark*	/M	Vet W	/eight	(in)	(lbs./gms)	X-Section	load	Stress	Remarks
S			(gm	s)			(Sq. in)	(Tons/lbs)	(Psi)	
1	(1:1.5:3)	24	11	2020	6x6x6	8.6	36	87	5420	Non Engraved
2	(1:1.5:3)	24	11	2020	6x6x6	8.4	36	91	5670	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)

\*\* 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

> 544 Engr. Ubaid

### To: Mr. M. Furqan (Project Manager) CM Engineering (Pvt.) Ltd. Lahore

Project: CMPAK, Site ID-52830, Complete Foundation

Our Ref. No. CL/CED/ 1891 Dated: 29-01-21

Your Ref. No. CME/Cubes/CMPAK/810 Dated: 16-01-21

Tested on:

### COMPRESSION TEST REPORT

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

Specimens received on:

26-01-21

27-01-21 in dry/wet condition

		Ca	sting	Date*	Size	Weight	Area of	Ultimate	Ultimate	
Sr. No.	Mark*	///	/et W	/eight	(in)	(lbs./gms)	X- Section	load	Stress	Remarks
			(gm	s)			(Sq. in)	(Tons/lbs)	(Psi)	
1	(1:1.5:3)	19	12	2020	6x6x6	8.4	36	94	5850	Non Engraved
2	(1:1.5:3)	19	12	2020	6x6x6	8.4	36	98	6100	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)

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

544 Engr. Ubaid

# Project: CMPAK, Site ID-43082, Pier Foundation

Our Ref. No. CL/CED/ 1892 Dated: 29-01-21

Your Ref. No. CME/Cubes/CMPAK/805 Dated: 21-01-21

Tested on:

### COMPRESSION TEST REPORT

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

Specimens received on:

26-01-21

27-01-21 in dry/wet condition

		Ca	sting	Date*	Size	Weight	Area of	Ultimate	Ultimate	
Sr. No.	Mark*			/eight	(in)	(lbs./gms)	X-Section	load	Stress	Remarks
ی ۲			(gm	s)			(Sq. in)	(Tons/lbs)	(Psi)	
1	(1:1.5:3)	24	12	2020	6x6x6	8.4	36	94	5850	Non Engraved
2	(1:1.5:3)	24	12	2020	6x6x6	8.6	36	96	5980	Non Engraved
3										
4										
5										
6										
7										
8										
9										
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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)

\*\* 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

> 544 Engr. Ubaid

#### To: Mr. Imran Akhtar (Project Manager) CM Engineering (Pvt.) Ltd. Lahore Project: CMPAK, Site ID-42987, Pier Foundation

Our Ref. No. CL/CE	וכ/	1893	Dated:	29-01-21
Your Ref. No.	CME/Cubes	/CMPAK/806	Dated:	25-01-21

### COMPRESSION TEST REPORT

Tested on:

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

Specimens received on:

26-01-21

27-01-21 in dry/wet condition

				<b>D</b> ( +	<u>e</u> i					
ġ		Са	sting	Date*	Size	Weight	Area of	Ultimate	Ultimate	
Sr. No.	Mark*	/M	Vet W	/eight	(in)	(lbs./gms)	X- Section	load	Stress	Remarks
			(gm	s)			(Sq. in)	(Tons/lbs)	(Psi)	
1	(1:1.5:3)	28	12	2020	6x6x6	8.8	36	96	5980	Non Engraved
2	(1:1.5:3)	28	12	2020	6x6x6	8.6	36	88	5480	Non Engraved
3										
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

\* 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

544 Engr. Ubaid

### To: Mr. M. Furqan (Project Manager) CM Engineering (Pvt.) Ltd. Lahore

Project: CMPAK, Site ID-52830, Complete Foundation

Our Ref. No. CL/CED/ 1894 Dated: 29-01-21 Your Ref. No. CME/Cubes/CMPAK/807 Dated: 26-12-20

### COMPRESSION TEST REPORT

Tested on:

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

Specimens received on:

26-01-21

27-01-21 in dry/wet condition

		0	- 12	Data*	0:		A		L IIICara e ta	
o.		Ca	sting	Date*	Size	Weight	Area of	Ultimate	Ultimate	
Sr. No.	Mark*	/W	/et W	/eight	(in)	(lbs./gms)	X-Section	load	Stress	Remarks
S			(gm	s)			(Sq. in)	(Tons/lbs)	(Psi)	
1	(1:1.5:3)	19	12	2020	6x6x6	8.6	36	85	5290	Non Engraved
2	(1:1.5:3)	19	12	2020	6x6x6	8.4	36	68	4240	Non Engraved
3										
4										
5										
6										
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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

\* 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

> 544 Engr. Ubaid

#### To: Mr. M. Furqan (Project Manager) CM Engineering (Pvt.) Ltd. Lahore Project: CMPAK, Site ID-52834, Complete Foundation

Our Ref. No. CL/CE	D/ 1895	Dated:	29-01-21
Your Ref. No.	CME/Cubes/CMPAK/808	Dated:	19-01-21

### COMPRESSION TEST REPORT

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

Specimens received on:

26-01-21 Tested on:

27-01-21 in dry/wet condition

		Cas	stind	g Date*	Size	Weight	Area of	Ultimate	Ultimate	
Sr. No.	Mark*			Veight	(in)	(lbs./gms)	Х-	load	Stress	Remarks
۲.	IVIDIK	/ • •	elv	veigin	(11)	(ibs./gitts)	Section			Remarks
			(gr	ns)			(Sq. in)	(Tons/lbs)	(Psi)	
1	(1:1.5:3)	12	1	2021	6x6x6	8.6	36	92	5730	Non Engraved
2	(1:1.5:3)	12	1	2021	6x6x6	8.4	36	66	4110	Non Engraved
3										
4										
5										
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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)

\*\* 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: Mr. M. Furqan (Project Manager) CM Engineering (Pvt.) Ltd. Lahore

544 Engr. Ubaid

# Project: CMPAK, Site ID-52846, Drill Pier / BTS PAD

Our Ref. No. CL/CED/ 1896 Dated: 29-01-21 CME/Cubes/CMPAK/809 Your Ref. No. Dated: 18-01-21

### COMPRESSION TEST REPORT

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

Specimens received on:

26-01-21 Tested on: 27-01-21

in dry/wet condition

<u> </u>		<u> </u>								
		Ca	sting	g Date*	Size	Weight	Area of	Ultimate	Ultimate	
Sr. No.	Mark*	/W	/et V	Veight	(in)	(lbs./gms)	X-Section	load	Stress	Remarks
0,			(gms)				(Sq. in)	(Tons/lbs)	(Psi)	
1	(1:1.5:3)	11	1	2021	6x6x6	9	36	79	4920	Non Engraved
2	(1:1.5:3)	11	1	2021	6x6x6	8.6	36	92	5730	Non Engraved
3										
4										
5										
6										
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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

\* 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: Mr. Z. H. Kazmi (Principal Architect)

Z. H. Kazmi & Associates, Lahore

465 Dr. M. Yousaf

Project: Construction of New Godowns & Infrastructure at Allied Bank Limited Warehouse 18-Hazari, Jhang

Our Ref. No. CL/CED/	1897	Dated:	29-01-21
Your Ref. No.	Nil	Dated:	18-01-21

### COMPRESSION TEST REPORT

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

Specimens received on:

18-01-21 Tested on:

27-01-21 in dry/wet condition

			1					
		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	СН		8.3x4.1x2.6	2213	34.03	30	1980	
2	СН		8.4x4.0x2.7	2262	33.6	40	2670	
3	СН		8.3x4.1x2.7	2176	34.03	22	1450	
4	СН		8.3x4.0x2.6	2132	33.2	31	2100	
5	ABC		8.7x4.2x2.9	2976	36.54	27	1660	
6	ABC		8.8x4.2x2.8	3010	36.96	29	1760	
7	ABC		8.7x4.1x2.8	2962	35.67	32	2010	
8	ABC		8.8x4.2x2.9	2941	36.96	22	1340	
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)



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

					484
To:	Brig. Saeed Ahmed Malik	Dr. M. Yousaf			
	H&TE Div., Nespak (Pvt.) Project: Metropolitan Cor Bazar Al-Jannat Road Na	poration Laho		ilitation of Road and Sew	verage System at Main
	Our Ref. No. CL/CED/	1898	Dated:	29-01-21	

	1000	Datea.	20-01-21
Your Ref. No.	4084/BSAM/104/255	Dated:	12-01-21

### COMPRESSION TEST REPORT

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

Specimens received on:

19-01-21 Tested on:

29-01-21 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	B2		8.8x4.1x3.0	3441	36.08	51	3170	
2	B2		8.8x4.2x3.1	3531	36.96	47	2850	
3	B2		8.8x4.2x3.0	3450	36.96	47	2850	
4	B2		8.9x4.2x3.1	3260	37.38	50	3000	
5	B2		8.9x4.2x3.0	3469	37.38	43	2580	
6	B2		8.8x4.1x3.0	3326	36.08	45	2800	
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

\* 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: Mr. Umar Nisar (Project Engineer)

568 Dr M Yousaf

Rana Associates, Lahore (Sky High Builder's) Project: Izmir Executive Shopping Mall & Apartments (Footing Beam), Strong Ready Mix

Our Ref. No. CL/CED/	1899	Dated:	29-01-21
Your Ref. No.	IZMIR/004	Dated:	26-01-21

### COMPRESSION TEST REPORT

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

Specimens received on:

28-01-21 Tested on:

29-01-21 in dry/wet condition

		-								
		Casting Date*		g 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	3000 Psi	18	1	2021	6Diax12	14	28.28	53	4200	Engraved
2	3000 Psi	18	1	2021	6Diax12	14	28.28	50	3960	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

\* 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

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supervisor(lab)



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

#### To: Mr. Umar Nisar (Project Engineer)

568 Dr. M. Yousaf

Rana Associates, Lahore (Sky High Builder's)

Project: Izmir Executive Shopping Mall & Apartments (Footing Beam), Strong Ready Mix

Our Ref. No. CL/CED/	1900	Dated:	29-01-21
Your Ref. No.	IZMIR/005	Dated:	27-01-21

### COMPRESSION TEST REPORT

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

Specimens received on:

28-01-21 Tested on:

29-01-21 in dry/wet condition

		<u> </u>								
		Cas	sting	JDate*	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	Footing (3000 Psi)	12	1	2021	6Diax12	14	28.28	61	4840	Engraved
2	Footing (3000 Psi)	12	1	2021	6Diax12	14	28.28	73	5790	Engraved
3	Columns (4000 Psi)	19	1	2021	6Diax12	14	28.28	48	3810	Engraved
4	Columns (4000 Psi)	19	1	2021	6Diax12	14	28.28	59	4680	Engraved
5										
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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)

\*\* 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: Engr. Rizwan Ali

547 Engr. Ubaid

#### Ittefaq Construction Services, Lahore Project: Construction of Commercial Plaza (S-42) Bahria Town Lahore

Our Ref. No. CL/CED/	1901	Dated:	29-01-21
Your Ref. No.	ICS/H.O/A.M.O.B/06	Dated:	26-01-21

Tested on:

### COMPRESSION TEST REPORT

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

Specimens received on:

26-01-21

27-01-21 in dry/wet condition

		Casting Date*		Size	Weight	Area of	Ultimate	Ultimate		
Sr. No.	Mark*	M	/Wet Weight		(in)	(lbs./gms)	X- Section	load	Stress	Remarks
		(gms)					(Sq. in)	(Tons/lbs)	(Psi)	
1	R-W (4000 Psi)	28	12	2020	6Diax12	13	28.28	39	3090	Non Engraved
2	R-W (4000 Psi)	28	12	2020	6Diax12	14	28.28	53	4200	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)

\*\* 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: Engr. Rizwan Ali

547 Engr. Ubaid

#### Ittefaq Construction Services, Lahore Project: Construction of Commercial Plaza (S-42) Bahria Town Lahore

Our Ref. No. CL/CED/	1902	Dated:	29-01-21
Your Ref. No.	ICS/H.O/A.M.O.B/05	Dated:	26-01-21

### **COMPRESSION TEST REPORT**

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

Specimens received on:

26-01-21 Tested on:

27-01-21 in dry/wet condition

Casting Date\* Size Weight Area of Ultimate Ultimate Š Х-Mark\* /Wet Weight (in) (lbs./gms) load Stress Remarks Section ົວ. (Tons/lbs) (gms) (Sq. in) (Psi) 1 S-L (3000 Psi) 16 12 2020 6Diax12 13.6 28.28 47 3730 Non Engraved 2 12 S-L (3000 Psi) 16 2020 6Diax12 13.6 28.28 4840 61 Non Engraved 3 4 5 6 7 8 9 10 11 12 13 14 15 16

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

\* 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: Engr. Rizwan Ali

547 Engr. Ubaid

#### Ittefaq Construction Services, Lahore Project: Construction of Commercial Plaza (S-42) Bahria Town Lahore

Our Ref. No. CL/CED/	1903	Dated:	29-01-21
Your Ref. No.	ICS/H.O/A.M.O.B/07	Dated:	26-01-21

### **COMPRESSION TEST REPORT**

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

Specimens received on:

26-01-21 Tested on:

27-01-21 in dry/wet condition

Casting Date\* Size Weight Area of Ultimate Ultimate Š Х-Mark\* /Wet Weight (in) (lbs./gms) load Stress Remarks Section ົວ. (Tons/lbs) (gms) (Sq. in) (Psi) 1 R-F (3000 Psi) 24 12 2020 6Diax12 13.8 28.28 69 5470 Non Engraved 2 24 R-F (3000 Psi) 12 2020 6Diax12 13 28.28 2780 35 Non Engraved 3 4 5 6 7 8 9 10 11 12 13 14 15 16

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

\* 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 comprerssive 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: Engr. Rizwan Ali

547 Engr. Ubaid

#### Ittefaq Construction Services, Lahore Project: Construction of Commercial Plaza (S-19) Bahria Town Lahore

Our Ref. No. CL/CED/	1904	Dated:	29-01-21
Your Ref. No.	ICS/H.O/A.M.O.B/03	Dated:	26-01-21

Tested on:

### COMPRESSION TEST REPORT

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

Specimens received on:

26-01-21

27-01-21 in dry/wet condition

		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	s)			(Sq. in)	(Tons/lbs)	(Psi)	
1	R-W (4000 Psi)	21	12	2020	6Diax12	14	28.28	55	4360	Non Engraved
2	R-W (4000 Psi)	21	12	2020	6Diax12	13.4	28.28	42	3330	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)

\*\* 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: Engr. Rizwan Ali

547 Engr. Ubaid

#### Ittefaq Construction Services, Lahore Project: Construction of Commercial Plaza (S-19) Bahria Town Lahore

Our Ref. No. CL/CED/	1905	Dated:	29-01-21
Your Ref. No.	ICS/H.O/A.M.O.B/03	Dated:	26-01-21

### COMPRESSION TEST REPORT

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

Specimens received on:

26-01-21 Tested on:

27-01-21 in dry/wet condition

ć		Casting Date*		Size	Weight	Area of	Ultimate	Ultimate		
Sr. No.	Mark*	M	/et W	eight	(in)	(lbs./gms)	X- Section	load	Stress	Remarks
			(gm	s)			(Sq. in)	(Tons/lbs)	(Psi)	
1	R-F (3000 Psi)	28	12	2020	6Diax12	13.4	28.28	50	3960	Non Engraved
2	R-F (3000 Psi)	28	12	2020	6Diax12	14	28.28	55	4360	Non Engraved
3										
4										
5										
6										
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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

\*\*\*\* 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: Mr. Gul Waqas Shahid

Unirazz Services, Lahore

Project: Civil Works for Covering of Openings in PM-1 Building Packages Convertors Limited

Our Ref. No. CL/CED/	1906	Dated:	29-01-21
Your Ref. No.	USPL/UET/4032	Dated:	27-01-21

### **COMPRESSION TEST REPORT**

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

27-01-21

Specimens received on:

Tested on:

29-01-21 in dry/wet condition

		Ca	asting	g Date*	Size	Weight	Area of	Ultimate	Ultimate	
Sr. No.	Mark*	٨	Vet V	Veight	(in)	(lbs./gms)	X- Section	load	Stress	Remarks
			(gn	ns)			(Sq. in)	(Tons/lbs)	(Psi)	
1	UPM1-R70	3	12	2020	6Diax12	14	28.28	75	5950	Non Engraved
2	UPM1-R71	3	12	2020	6Diax12	14	28.28	75	5950	Non Engraved
3	UPM1-R72	3	12	2020	6Diax12	14	28.28	77	6100	Non Engraved
4										
5										
6										
7										
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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)

**Director/Dy. Director Concrete Laboratory** 

555 Dr. M. Yousaf



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

#### To: Mr. Gul Wagas Shahid

555 Dr. M. Yousaf

### **Unirazz Services, Lahore**

Project: Civil Works for Covering of Openings in PM-1 Building Packages Convertors Limited

Our Ref. No. CL/CED/	1907	Dated:	29-01-21
Your Ref. No.	USPL/UET/4030	Dated:	27-01-21

### COMPRESSION TEST REPORT

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

Specimens received on:

27-01-21 Tested on: 29-01-21 in dry/wet condition

h										
		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	s)			(Sq. in)	(Tons/lbs)	(Psi)	
1	UPM1-F50	22	11	2020	6Diax12	14	28.28	63	4990	Non Engraved
2	UPM1-F51	22	11	2020	6Diax12	14.2	28.28	63	4990	Non Engraved
3	UPM1-F52	22	11	2020	6Diax12	14.2	28.28	68	5390	Non Engraved
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

\* 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: Mr. Gul Wagas Shahid

555 Dr. M. Yousaf

**Unirazz Services, Lahore** 

Project: Civil Works for Covering of Openings in PM-1 Building Packages Convertors Limited

Our Ref. No. CL/CED/	1908	Dated:	29-01-21
Your Ref. No.	USPL/UET/4031	Dated:	27-01-21

### COMPRESSION TEST REPORT

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

Specimens received on:

27-01-21 Tested on: 29-01-21 in dry/wet condition

		T								
		Casting Date* Mark* /Wet Weight		Date*	Size	Weight	Area of	Ultimate	Ultimate	
Sr. No.	Mark*			(in)	(lbs./gms)	X-Section	load	Stress	Remarks	
			(gm	s)			(Sq. in)	(Tons/lbs)	(Psi)	
1	UPM1-C60	27	11	2020	6Diax12	14	28.28	55	4360	Non Engraved
2	UPM1-C61	27	11	2020	6Diax12	14	28.28	63	4990	Non Engraved
3	UPM1-C62	27	11	2020	6Diax12	14	28.28	55	4360	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

\* 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: Engr. Mustehson Ali Khan (Site Engineer) Dimensions Construction, Lahore Project: 12-C Etihad Town Lahore

Our Ref. No. CL/CED/	1909	Dated:	29-01-21
Your Ref. No.	PGCMN/01/ST	Dated:	27-01-21

### **COMPRESSION TEST REPORT**

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

Spec	Specimens received on:       27-01-21       Tested on:       21       in dry/wet condition									
	Casting Date*		Size	Weight	Area of	Ultimate	Ultimate			
Sr. No.	Mark*	M	/et W	eight	(in)	(lbs./gms)	X- Section	load	Stress	Remarks
			(gm	s)			(Sq. in)	(Tons/lbs)	(Psi)	
1	3000 Psi	24	12	2020	6Diax12	14.2	28.28	80	6340	Engraved
2	3000 Psi	24	12	2020	6Diax12	13.6	28.28	65	5150	Engraved
3										
4										
5										
6										
7										
8										
9										
10										
11										

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 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**

556 Dr. M. Yousaf



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

#### To: Mr. Muhammad Azeem (Operation Manager) Amer Adnan Associates, Lahore

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

Our Ref. No. CL/CED/	1910	Dated:	29-01-21
Your Ref. No.	AAA/24A/0023	Dated:	26-01-21

### COMPRESSION TEST REPORT

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

Specimens received on:

28-01-21 Tested on:

29-01-21 in dry/wet condition

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Dr. M. Yousaf

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		Cas	sting	g Date*	Size	Weight	Area of	Ultimate	Ultimate	
Sr. No.	Mark*	ſW	et V	Veight	(in)	(lbs./gms)	X- Section	load	Stress	Remarks
			(gn	ns)			(Sq. in)	(Tons/lbs)	(Psi)	
1	5000 Psi	20	1	2021	6Diax12	13.8	28.28	71	5630	Non Engraved
2	5000 Psi	20	1	2021	6Diax12	13.2	28.28	70	5550	Non Engraved
3	5000 Psi	20	1	2021	6Diax12	14	28.28	73	5790	Non Engraved
4										
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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: Mr. Muhammad Umair Ashfaq (director Plant & Production) Lotte Akhtar Beverages (Pvt.) Ltd. (Pepsico Bottlers), Lahore

Dr M Yousaf

562

#### Project: Construction of WWTP at Lotte Akhtar Beverages Plant, Lahore (Retaining Piles)

Our Ref. No. CL/CED/	1911	Dated:	29-01-21
Your Ref. No.	Nil	Dated:	28-01-21

Tested on:

### COMPRESSION TEST REPORT

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

Specimens received on:

28-01-21

29-01-21 in dry/wet condition

		Ca	sting	Date*	Size	Weight	Area of	Ultimate	Ultimate	
Sr. No.	Mark*	M	/et W	eight	(in)	(lbs./gms)	X- Section	load	Stress	Remarks
			(gms)				(Sq. in)	(Tons/lbs)	(Psi)	
1	LET-5923 (S#3)	31	12	2020	6Diax12	14	28.28	37	2940	Engraved
2	CAA-3771 (S#1)	31	12	2020	6Diax12	14.4	28.28	37	2940	Engraved
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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

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supervisor(lab)