

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

To: Sub Divisional Officer

328 Dr. M. Yousaf

Buildings Sub Division No. 15, Lahore Project: Construction of New Administration Block in Premises of Lahore High Court Lahore

Our Ref. No. CL/CED/	1552	Dated:	05-01-21
Your Ref. No.	1319/15th	Dated:	24-12-20

### **COMPRESSION TEST REPORT**

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

Specimens received on:

24-12-20 Tested on:

01-01-21 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)	
MD		8.8x4.3x3.1	3387	37.84	41	2430	
MD		8.9x4.3x3.0	3367	38.27	41	2400	
MD		8.8x4.3x3.1	3434	37.84	38	2250	
MD		8.9x4.3x3.0	3416	38.27	41	2400	
MD		8.8x4.3x3.1	3405	37.84	41	2430	
	MD MD MD MD	Mark Weight (gms) MD	Date*       Date*       Outer         Mark*       /Wet       (in)         (gms)       (gms)         MD       8.8x4.3x3.1         MD       8.9x4.3x3.0         MD       8.8x4.3x3.1         MD       8.8x4.3x3.1         MD       8.8x4.3x3.1         MD       8.8x4.3x3.1         MD       8.8x4.3x3.1	Date*       Date*       Outer       Outer <th< td=""><td>Date*       Date*       Met Uis       Met Uis       Met Uis         Mark*       Met Weight       (in)       (lbs./gms)       X-Section         MD       8.8x4.3x3.1       3387       37.84         MD       8.9x4.3x3.0       3367       38.27         MD       8.8x4.3x3.1       3434       37.84         MD       8.8x4.3x3.0       3416       38.27</td><td>Date*         Date*         Outer         Weight         Weight         (in)         Weight         Alea of         Outmate           Mark*         /Weight         (in)         (lbs./gms)         X- Section         load           MD         8.8x4.3x3.1         3387         37.84         41           MD         8.9x4.3x3.0         3367         38.27         41           MD         8.8x4.3x3.1         3434         37.84         38           MD         8.9x4.3x3.0         3416         38.27         41</td><td>Date*       Date*       Weight       Meight       Meight       Meight       Meight       Miea of       Offmate       Offmate       Offmate         Mark*       Meight       (in)       (in)       (lbs./gms)       X- Section       load       Stress         MD       8.8x4.3x3.1       3387       37.84       41       2430         MD       8.9x4.3x3.0       3367       38.27       41       2400         MD       8.8x4.3x3.1       3434       37.84       38       2250         MD       8.9x4.3x3.0       3416       38.27       41       2400</td></th<>	Date*       Date*       Met Uis       Met Uis       Met Uis         Mark*       Met Weight       (in)       (lbs./gms)       X-Section         MD       8.8x4.3x3.1       3387       37.84         MD       8.9x4.3x3.0       3367       38.27         MD       8.8x4.3x3.1       3434       37.84         MD       8.8x4.3x3.0       3416       38.27	Date*         Date*         Outer         Weight         Weight         (in)         Weight         Alea of         Outmate           Mark*         /Weight         (in)         (lbs./gms)         X- Section         load           MD         8.8x4.3x3.1         3387         37.84         41           MD         8.9x4.3x3.0         3367         38.27         41           MD         8.8x4.3x3.1         3434         37.84         38           MD         8.9x4.3x3.0         3416         38.27         41	Date*       Date*       Weight       Meight       Meight       Meight       Meight       Miea of       Offmate       Offmate       Offmate         Mark*       Meight       (in)       (in)       (lbs./gms)       X- Section       load       Stress         MD       8.8x4.3x3.1       3387       37.84       41       2430         MD       8.9x4.3x3.0       3367       38.27       41       2400         MD       8.8x4.3x3.1       3434       37.84       38       2250         MD       8.9x4.3x3.0       3416       38.27       41       2400

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: Sub Divisional Officer

328 Dr. M. Yousaf

Project: Construction of New Administration Block in Premises of Lahore High Court Lahore

Our Ref. No. CL/CED/	1553	Dated:	05-01-21
Your Ref. No.	1305/15th	Dated:	19-12-20

### **COMPRESSION TEST REPORT**

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

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

Specimens received on:

24-12-20 Tested on:

01-01-21 in dry/wet condition

Casting Size Weight Area of Ultimate Ultimate Date\* Š /Wet X-Mark\* (in) (lbs./gms) load Stress Remarks Section Weight ັດ (Tons/lbs) (gms) (Sq. in) (Psi) 1 2.S.5 8.7x4.2x2.9 3327 36.54 65 3990 2 8.7x4.3x2.8 2.S.5 3345 37.41 2460 41 3 2.S.5 8.7x4.2x2.8 3274 36.54 50 3070 4 2.S.5 8.6x4.2x3.0 3284 36.12 50 3110 5 2.S.5 8.7x4.3x2.9 3333 37.41 54 3240 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)



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

To: Sub Divisional Officer

328 Dr. M. Yousaf

Project: Construction of New Administration Block in Premises of Lahore High Court Lahore

Our Ref. No. CL/CED/	1554	Dated:	05-01-21
Your Ref. No.	1304/15th	Dated:	16-12-20

### **COMPRESSION TEST REPORT**

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

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

Specimens received on:

24-12-20 Tested on:

01-01-21 in dry/wet condition

		1			1		
		Size	Weight	Area of	Ultimate	Ultimate	
Mark*	/Wet Weight	(in)	(lbs./gms)	X- Section	load	Stress	Remarks
	(gms)			(Sq. in)	(Tons/lbs)	(Psi)	
5 5		8.8x4.2x2.8	3060	36.96	47	2850	
5 5		8.8x4.3x2.9	3124	37.84	43	2550	
5 5		8.9x4.3x2.9	3042	38.27	47	2760	
5 5		8.9x4.2x3.0	3263	36.96	23	1400	
5 5		8.8x4.3x2.8	3014	37.84	39	2310	
	55 55 55 55 55	Wark     Weight (gms)       5 5        5 5        5 5        5 5        5 5	Date*       Date*       Size         Mark*       ////////////////////////////////////	Date*       Date*       Size       Weight         Mark* $\stackrel{Weight}{(gms)}$ (in)       (lbs./gms)         55       Image: Size       8.8x4.2x2.8       3060         55       Image: Size       8.8x4.3x2.9       3124         55       Image: Size       8.9x4.3x2.9       3042         55       Image: Size       8.9x4.2x3.0       3263	Date*       Date*       Glie       Weight       Alea of         Mark* $VWeight$ (in)       (lbs./gms)       X- Section (Sq. in)         55       Image: Size (in) $8.8x4.2x2.8$ 3060       36.96         555       Image: Size (in) $8.8x4.3x2.9$ 3124       37.84         555       Image: Size (in) $8.9x4.3x2.9$ 3042       38.27         555       Image: Size (in) $8.9x4.2x3.0$ 3263       36.96	Date*       Date*       Size       Weight       Alea of       Outmate         Mark* $\bigvee \forall \forall$	Mark*Date* Net WeightArea of (in)Ontinate of (lbs./gms)Ontinate NeghtOntinate NeghtOntinate NeghtMark* $\stackrel{N}{Vet}$ (gms)(in)(in)(ibs./gms) $\stackrel{X-}{Section}$ (Sq. in)loadStress55(gms) $\stackrel{N}{Section}$ $\stackrel{N}{Section}$ (Tons/lbs)(Psi)55 $\stackrel{I}{S}$ $\stackrel{I}{Section}$ $\stackrel{N}{Section}$ $\stackrel{N}{Section}$ $\stackrel{N}{Section}$ $\stackrel{N}{Section}$ 55 $\stackrel{I}{Section}$ $\stackrel{N}{Section}$ $\stackrel{N}{Section}$ $\stackrel{N}{Section}$ $\stackrel{N}{Section}$ $\stackrel{N}{Section}$ 55 $\stackrel{N}{Section}$ $\stackrel{N}$

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supervisor(lab)



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

#### To: Sub Divisional Officer

328

Dr Mazhar Saleem

Project:	Sub Division No. 15, Lahore construction of New Administration Block in Premises of Lahore High Court Lahore (Roof Slab in
9th Floo	, Mumty)

Our Ref. No. CL/CED/	1555	Dated:	05-01-21
Your Ref. No.	1302	Dated:	16-12-20

#### **COMPRESSION TEST REPORT**

Tested on:

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

Specimens received on:

24-12-20

04-01-21 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	(1:2:4)	18	11	2020	6x6x6	9	36	118	7350	Non Engraved
2	(1:2:4)	18	11	2020	6x6x6	9	36	114	7100	Non Engraved
3	(1:2:4)	18	11	2020	6x6x6	9	36	81	5040	Non Engraved
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supervisor(lab)



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

To: Sub Divisional Officer

328

Dr.Mazhar Saleem

**Buildings Sub Division No. 15, Lahore** Project: Construction of New Administration Block in Premises of Lahore High Court Lahore (Columns for Lift 9th Floor)

Our Ref. No. CL/CED/	1556	Dated:	05-01-21
Your Ref. No.	1300	Dated:	12-12-20

### COMPRESSION TEST REPORT

Tested on:

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

Specimens received on:

24-12-20

04-01-21 in dry/wet condition

		6	otina	Date*	Size	Woight	Area of	Ultimate	Ultimate	
ö	Ca	isting	Dale	Size	Weight	X-	Ulimale	Ulimale		
Sr. No.	Mark*	/V	Vet W	/eight	(in)	(lbs./gms)	A- Section	load	Stress	Remarks
0)			(gm	is)			(Sq. in)	(Tons/lbs)	(Psi)	
1	(1:1.5:3)	14	11	2020	6x6x6	9	36	88	5480	Non Engraved
2	(1:1.5:3)	14	11	2020	6x6x6	9	36	112	6970	Non Engraved
3	(1:1.5:3)	14	11	2020	6x6x6	9	36	88	5480	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

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supervisor(lab)

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



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

#### To: Sub Divisional Officer

328

Dr.Mazhar Saleem

**Buildings Sub Division No. 15, Lahore** Project: Construction of New Administration Block in Premises of Lahore High Court Lahore (Roof Slab in 8th Floor)

Our Ref. No. CL/CED/	1557	Dated:	05-01-21
Your Ref. No.	1227	Dated:	14-11-20

#### **COMPRESSION TEST REPORT**

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

Specimens received on:

24-12-20 Tested on:

04-01-21 in dry/wet condition

		Са	sting	Date*	Size	Weight	Area of	Ultimate	Ultimate	
Sr. No.	Mark*			/eight	(in)	(lbs./gms)	X- Section	load	Stress	Remarks
			(gm	s)			(Sq. in)	(Tons/lbs)	(Psi)	
1	(1:2:4)	17	10	2020	6x6x6	9	36	142	8840	Non Engraved
2	(1:2:4)	17	10	2020	6x6x6	8.8	36	77	4800	Non Engraved
3	(1:2:4)	17	10	2020	6x6x6	9	36	108	6720	Non Engraved
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supervisor(lab)



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

#### To: Asif Nadeem Khawar (Resident Engineer)

280 Dr.Mazhar Saleem

Metroplan-Asian Consulting Engineers (Pvt.) Ltd. Project: Resident Construction Supervision for Establishment of 200 Bedded Mother & Child Hospital and Nursing College, District Mianwali

Our Ref. No. CL/CED/	1558	Dated:	05-01-21
Your Ref. No.	MetroplanAsian JV-Nexus-MMCH-RE-602	Dated:	02-12-20

#### **COMPRESSION TEST REPORT**

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

Specimens received on: 17-12-20

Tested on:

04-01-21 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	Hollow Block		15.5x7.8x7.8	21.2	65.94	88	2990	
2	Hollow Block		15.5x7.8x7.8	21.4	65.94	67	2280	
3	Hollow Block		15.5x7.8x7.8	21	65.94	81	2760	
4	Hollow Block		15.5x7.8x7.8	21	65.94	65	2210	
5	Hollow Block		15.5x7.8x7.8	21	65.94	83	2820	
6	Hollow Block		15.5x7.8x7.8	20.8	65.94	77	2620	
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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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University of Engineering and Technology, Lahore Phone Nos. 042-99029202, 042-99029217

#### To: Mr. Z.H. Kazmi (Principal Architect)

Dr.Mazhar Saleem

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Z.H. Kazmi & Associates, Liberty Market, Gulberg III, Lahore Project: Expansion Works (Construction of New Godowns & Infrastructure) at Allied Bank Limited Warehouse 18-Hazari, Jhang

Our Ref. No. CL/CED/	1559	Dated:	05-01-21
Your Ref. No.	Nil	Dated:	31-12-20

### COMPRESSION TEST REPORT

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

Specimens received on:

31-12-20 Tested on:

05-01-21 in dry/wet condition

Ō		Casting Date* /Wet	Size	Weight	Area of	Ultimate	Ultimate	
Sr. No.	Mark*	Weight	(in)	(lbs./gms)	X-Section	load	Stress	Remarks
		(gms)			(Sq. in)	(Tons/lbs)	(Psi)	
1	S		8.8x4.3x2.9	3180	37.84	48.1	2810	
2	S		8.8x4.2x3.0	3019	36.96	37.6	2250	
3	S		8.7x4.3x3.0	2968	37.41	47.6	2810	
4	S		8.8x4.2x2.9	3166	36.96	47	2810	
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supervisor(lab)



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

# 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 (GGHS Kot Khawaja Saeed)

Our Ref. No. CL/CED/	1560	Dated:	05-01-21
Your Ref. No.	IMC-LHR/SCRP/2020/ MaterialTesting/LHR-1	Dated:	04-01-21

#### **COMPRESSION TEST REPORT**

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

Specimens received	
on:	04-01-21

Tested on:

05-01-21 in dry/wet condition

378

		C	asting	g Date*	Size	Weight	Area of	Ultimate	Ultimate	
Sr. No.	Mark*	Λ	Wet V	Veight	(in)	(lbs./gms)	X-Section	load	Stress	Remarks
			(gn	ns)			(Sq. in)	(Tons/lbs)	(Psi)	
1	Mortar Cube	28	12	2020	2.0x2.0x2.0	302	4	6.4	3530	
2	Mortar Cube	28	12	2020	2.0x2.0x2.0	301	4	2.9	1600	
3	Mortar Cube	28	12	2020	2.0x2.0x2.0	293	4	8	4410	
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supervisor(lab)



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 (GGPS Awan Dhai Wala)

Our Ref. No. CL/CED/	1561	Dated:	05-01-21
Your Ref. No.	IMC-LHR/SCRP/2020/ MaterialTesting/LHR-1	Dated:	04-01-21

#### COMPRESSION TEST REPORT

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

04-01-21

Specimens received on:

Tested on:

05-

05-01-21 in dry/wet condition

Sr. No.	Mark*		Wet V	) Date* Veight	Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
	Marta Oaka	00	(gn			007		-		
1	Mortar Cube	28	12	2020	2.0x2.0x2.0	297	4	5.7	3150	
2	Mortar Cube	28	12	2020	2.0x2.0x2.0	303	4	5	2760	
3	Mortar Cube	28	12	2020	2.0x2.0x2.0	306	4	7.3	4030	
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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

378 Dr.Mazhar Saleem



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 (GPS Ghania ka Cant-II)

Our Ref. No. CL/CED/	1562	Dated:	05-01-21
Your Ref. No.	IMC-LHR/SCRP/2020 /MaterialTesting/LHR-1	Dated:	04-01-21

#### COMPRESSION TEST REPORT

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

Specimens received on:

04-01-21 Tested on:

1:

05-01-21 in dry/wet condition

Sr. No.	Mark*			g Date* Veight ns)	Size (in)	Weight (Ibs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
1	Mortar Cube	27	12	2020	2.0x2.0x2.0	236	4	3.1	1710	
2	Mortar Cube	27	12	2020	2.0x2.0x2.0	236	4	6.7	3700	
3	Mortar Cube	27	12	2020	2.0x2.0x2.0	229	4	2.7	1490	
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supervisor(lab)

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

378 Dr.Mazhar Saleem



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)

378 Dr.Mazhar Saleem

Project: Humqadam-School Construction and Rehabilitation Programme (GGHS Qadi Wind)

Our Ref. No. CL/CED/	1563	Dated:	05-01-21
Your Ref. No.	IMC-LHR/SCRP/2020/ MaterialTesting/LHR-1	Dated:	04-01-21

#### **COMPRESSION TEST REPORT**

Tested on:

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

04-01-21

Specimens received on:

05-0

05-01-21 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
			(g	ms)			(Sq. in)	(Tons/lbs)	(Psi)	
1	Mortar Cube	3	12	2020	2.0x2.0x2.0	302	4	6.5	3590	
2	Mortar Cube	3	12	2020	2.0x2.0x2.0	306	4	8	4410	
3	Mortar Cube	3	12	2020	2.0x2.0x2.0	294	4	7.3	4030	
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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)