

**Civil Engineering Department** 

University of Engineering and Technology, Lahore. Pakistan Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895 <u>ORIGINAL</u> A carbon copy for the report has been retained in the lab for record.

> 6609 Dr. Umbreen

#### To: Mr. Ehtisham Yasin

Assistant Resident Engineer, JERS Consultancy (Pvt) Ltd.

Project: Improvement and Construction of Roads and Chowks at Wazirabad City.

Our Ref. No. CL/C	ED/ 4088-2 of 2	Dated:	16-02-24	Test Specification
Your Ref. No.	488-J01-ARE-/wzd/27	Dated:	24-01-24	( )

## **COMPRESSION TEST REPORT**



Specim	ens received on:	2	6-01	-24	Tested on:	16-0	)2-24	in dry/wet	t condition			ONLINE REPORT		
Sr. No.	Mark*	Cas	Casting Date*		asting Date* Size		Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate Ioad	Ultimate Stress	Water Absorpti	Remarks
		DD	ММ	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	011 (%)			
1	Machine Made Double Line				9x4.3x2.8	3410	2830	38.7	34	1968	20.49			
2	Machine Made Double Line				8.8x4.2x2.8	3540	2930	36.96	26	1576	20.82			
3	Machine Made Double Line				8.9x4.1x2.9	3445	2870	36.49	28	1719	20.03			
4	Machine Made Double Line				8.7x4.2x2.9	3395	2815	36.54	30	1839	20.6			
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#### Witnessed by: Nil

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. \* as engraved on the specimens (if any)

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

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

4. \*\*\*\* 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

1. The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)

2. The test results are recommended to be interpreted in the light of above factors by the engineer.



To:

# Plain and Reinforced Concrete Laboratory

**Civil Engineering Department** 

University of Engineering and Technology, Lahore. Pakistan Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL A carbon copy for the report has been retained in the lab for record.

> 6719 Dr. Umbreen

Mr. Arslan Mumtaz Project Director, Punjab Government Servants Hous	Mr. Arslan Mumtaz Project Director, Punjab Government Servants Housing Foundation Scheme, Sahiwal.											
Project: Construction of Jamia Masjid at Punjab Government Servants Housing Scheme, Sahiwal. (M/s Railway Construction, Pakistan Limited)												
Our Ref. No. CL/CED/ 4202	Dated: 16-02-24	4										
Your Ref. No. PGSHF/PD/SWL/7566	Dated: 15-02-24	4										

# COMPRESSION TEST REPORT



Test Specification (ASTM C39)

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

Specim	ens received on:	1	6-02	-24	Tested on:	16-0	)2-24	in dry/wet	t condition			ONLINE REPORT
Sr. No.	Mark*	Cas DD	ting MM	Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	Neck Columns	7	2	2024	6Diax12		13	28.28	66	5228		Non Engraved
2	Neck Columns	7	2	2024	6Diax12		13.6	28.28	73	5782		Non Engraved
3	Neck Columns	7	2	2024	6Diax12		13.4	28.28	59	4673		Non Engraved
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Witness	od by: Nil											

#### witnessea by: Nii

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1. \* as engraved on the specimens (if any)

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

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

4. \*\*\*\* 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

1. The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)

2. The test results are recommended to be interpreted in the light of above factors by the engineer.



Buildings Sub Division No. 15, Lahore		
Project: Construction of New Courts Block at the Site of O	Id Administration Block at Lahor	e (ADP No. 3766
For the Year 2023-24)		
Our Ref. No. CL/CED/ 4203	Dated: 16/2/2	2024 <u>Test Specification</u>
Your Ref. No. No. 154	Dated: 10-02	2-24 (ASTM C39)

# COMPRESSION TEST REPORT



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

Specim	ens received on:	1:	3/2/2	024	Tested on:	16/2	/2024	in dry/wet	t condition			icenseri
Sr. No.	Mark*	Casting Date* Size		Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate Ioad	Ultimate Stress	Water Absorpti	Remarks	
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	011 (70)	
1	Upper Basement Slab (3000 Psi)	2	2	2024	6Diax12		13.4	28.28	66	5228		Non Engraved
2	Upper Basement Slab (3000 Psi)	2	2	2024	6Diax12		14	28.28	66	5228		Non Engraved
3	Upper Basement Slab (3000 Psi)	2	2	2024	6Diax12		14	28.28	64	5069		Non Engraved
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#### Witnessed by:

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1. The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)

2. The test results are recommended to be interpreted in the light of above factors by the engineer.



**Buildings Sub Division No. 15, Lahore** Project: Construction of New Courts Block at the Site of Old Administration Block at Lahore (ADP No. 3766 For the Year 2023-24) Our Ref. No. CL/CED/ 4204 Dated: 16/2/2024 Test Specification Your Ref. No. No. 170 Dated: 12-02-24

# **COMPRESSION TEST REPORT**



(ASTM C39)

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

Specim	ens received on:	1	3/2/2	024	Tested on:	16/2	/2024	in dry/we	condition		0	i Centrali
Sr. No.	Mark*	Cas	Casting Date*		Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Water Absorpti on (%)	Remarks
		DD	ММ	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)		
1	Upper Basement Col. (4000 Psi)	6	2	2024	6Diax12		13.2	28.28	74	5861		Non Engraved
2	Upper Basement Col. (4000 Psi)	6	2	2024	6Diax12		14	28.28	90	7129		Non Engraved
3	Upper Basement Col. (4000 Psi)	6	2	2024	6Diax12		13.6	28.28	87	6891		Non Engraved
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#### Witnessed by:

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

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1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)

2. The test results are recommended to be interpreted in the light of above factors by the engineer.



10:	Engr. Major Zia-	ul-Islam (R)			
	Project Director	, GCC Lahore- Overseas Construction	Co. (Pvt) Ltd		
	Project: Constru 1 Grid 4 Line A.	uction of Gulberg City Centre- Level 26 0, B.1, C.3, D.1, E.3, F.2, Grid 5)	'-6" to 40'-6" Column Grid 1	Line A.0 Grid, 3 Line	A.0, B-
	Our Ref. No. CL	/CED/ 4205	Dated:	16/2/2024	Test Specification
	Your Ref. No.	OCC/CPD/33/206	Dated:	13/2/2024	(ASTM C39)

# **COMPRESSION TEST REPORT**



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

Sr. No.         Mark* $C_{3}$ $UV = VYY$ Size         Weight (Kg/gms) $VW_{eight}$ (Kg/gms) $Area ofV.Section(Sq. in)         Ultimateload         WaterStress         WaterAbsorption         Remarks           1         6000 Psi         6         2         2024         6Diax12          14.2         28.28         72         5703          Non Engraved           2         6000 Psi         6         2         2024         6Diax12          13.2         28.28         668         5366          Non Engraved           3           1         1  $	Specim	ens received on:	1	3/2/2	024	Tested on:	16/2	/2024	in dry/wet condition			Ü	1723.84 B
1       6000 Psi       6       2       2024       6Diax12        14.2       28.28       72       5703        Non Engraved         2       6000 Psi       6       2       2024       6Diax12        13.2       28.28       68       5386        Non Engraved         3	Sr. No.	Mark*	Cas DD	ting MM	Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate Ioad (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
2       6000 Psi       6       2       2024       6Diax12        13.2       28.28       68       5386        Non Engraved         3	1	6000 Psi	6	2	2024	6Diax12		14.2	28.28	72	5703		Non Engraved
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#### Witnessed by:

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1. \* as engraved on the specimens (if any)

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

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

4. \*\*\*\* 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

1. The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)

2. The test results are recommended to be interpreted in the light of above factors by the engineer.



0:	Engr. Major Zia-	ul-Islam (R)			
	Project Director,	GCC Lahore- Overseas Construction	Co. (Pvt) Ltd		
	Project: Constru	ction of Gulberg City Centre- Slab & B	eam Grid 1, Line B.1, C.3, D	0.1, F.3, F.2, Grid 2, Li	ne B.1,
	C.3, D.1 Grid 3 L	ine E.3, F.2 Grid Line E.3, F.3			
	Our Ref. No. CL	'CED/ 4206	Dated:	16/2/2024	Test Specification
	Your Ref. No.	OCC/CPD/32/205	Dated:	13-02-24	(ASTM C39)

# **COMPRESSION TEST REPORT**



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

Specim	ens received on:	1	3/2/2	024	Tested on:	16/2	/2024	in dry/wet	t condition	ndition		icenses)
Sr. No.	Mark*	Cas DD	ting MM	Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate Ioad (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	6000 Psi	31	1	2024	6Diax12		13	28.28	74	5861		Non Engraved
2	6000 Psi	31	1	2024	6Diax12		14	28.28	84	6653		Non Engraved
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#### Witnessed by:

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. \* as engraved on the specimens (if any)

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2. The test results are recommended to be interpreted in the light of above factors by the engineer.



**Civil Engineering Department** 

University of Engineering and Technology, Lahore. Pakistan Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895



6667 Dr. Umbreen

Test Specification

(ASTM C39)

#### To: **Resident Engineer**

for ENVIRO CONSULT (SMC-PVT) LTD, Lahore

Project: Enhancement of Pumping Capacity and Improvement of Civil Structures of Different Disposal Stations of WASA, Faisalabad (Construction of Disposal Station Chokera-II) Sub Head #2 Our Ref. No. CL/CED/ 4207 Dated: 16/2/2024 Dated: 31/1/2024

Your Ref. No. 340-WASA-FDA/17

# COMPRESSION TEST REPORT



Specim	ens received on:	1	2/2/2	024	Tested on:	16/2	/2024	in dry/wet	dry/wet condition			jesues
Sr. No.	Mark*	Cas DD	Casting Date*		Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	PCC Concrete Cylinders (1:1.5:3)	2	1	2024	6Diax12		14.4	28.28	74	5861		Non Engraved
2	PCC Concrete Cylinders (1:1.5:3)	2	1	2024	6Diax12		14	28.28	73	5782		Non Engraved
3	PCC Concrete Cylinders (1:1.5:3)	2	1	2024	6Diax12		14	28.28	86	6812		Non Engraved
4												
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#### Witnessed by:

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2. The test results are recommended to be interpreted in the light of above factors by the engineer.



**Civil Engineering Department** 

University of Engineering and Technology, Lahore. Pakistan Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

6667 Dr. Umbreen

## To: Resident Engineer

for ENVIRO CONSULT (SMC-PVT) LTD, Lahore

Project: Rehabilitation and Improvement of Drainage Channels of Faisalabad City.

Our Ref. No. CL	/CED/ 4208	Dated:	16/2/2024	Test Specification
Your Ref. No.	342-WASA-FSD/2024/07	Dated:	29/1/2024	(ASTM C39)

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# **COMPRESSION TEST REPORT**



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

Specimo	ens received on:	12	2/2/2	024	Tested on:	16/2	/2024	in dry/wet	t condition			i Centrad
Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Water Absorpti on (%)	Remarks
		עט	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp. I ons)	(psi)	- ()	
1	Cylinders (1:2:4)	4	1	2024	6Diax12		13.6	28.28	72	5703		Non Engraved
2	PCC Concrete Cylinders (1:2:4)	4	1	2024	6Diax12		14	28.28	60	4752		Non Engraved
3	PCC Concrete Cylinders (1:2:4)	4	1	2024	6Diax12		14	28.28	78	6178		Non Engraved
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#### Witnessed by:

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

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**Civil Engineering Department** 

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> 6686 Dr. Umbreen

To: Engr. M. Abrar Ahmad M.Sc. Structural Engineer, ABRAR AHMAD ASSOCIATES

Project: Construction of 49- Ghaznavi Comm. Bahria Town Lahore

Our Ref. No. CL/CI	ED/ 4209	Dated:	16/2/2024	Test Specification
Your Ref. No.	Nil	Dated:	13/2/2024	(ASTM C39)

7

# **COMPRESSION TEST REPORT**



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

Specim	ens received on:	1	3/2/2	024	Tested on:	16/2	/2024	in dry/we	t condition			i Crathadh
Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Water Absorpti on (%)	Remarks
		00			(11)	(rtg/ gills)	(rty/ gills)	(59.11)	(11110.10115)	(psi)		
1	Ground Floor Slab	6	1	2024	6Diax12		13	28.28	24	1901		Non Engraved
2	Ground Floor Slab	6	1	2024	6Diax12		13	28.28	58	4594		Non Engraved
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#### Witnessed by:

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

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Supervisor (Lab)



**Civil Engineering Department** 

University of Engineering and Technology, Lahore. Pakistan Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895 <u>ORIGINAL</u> A carbon copy for the report has been retained in the lab for record.

> 6686 Dr. Umbreen

To: Engr. M. Abrar Ahmad M.Sc. Structural Engineer, ABRAR AHMAD ASSOCIATES

Project: Construction of 49- Ghaznavi Comm. Bahria Town Lahore

Our Ref. No. CL/Cl	ED/ 4210	Dated:	16/2/2024	Test Specification
Your Ref. No.	Nil	Dated:	13/2/2024	(ASTM C39)

7

# **COMPRESSION TEST REPORT**



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

Specimo	ens received on:	1	3/2/2	024	Tested on:	16/2	/2024	in dry/we	t condition		Ū	i Crimento
Sr. No.	Mark*	Cas DD	ting MM	Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	First Floor Slab	3	2	2024	6Diax12		13	28.28	18	1426		Engraved
2	First Floor Slab	3	2	2024	6Diax12		13	28.28	18	1426		Engraved
3	First Floor Slab	3	2	2024	6Diax12		13.6	28.28	20	1584		Engraved
4												
5						WHINE	RING A					
6					>	READ N	207					
7						OF THY 	زیجی ان کی خلق ر					
8								5				
9												
10							IORE.					
11												
12												
13												
14												
15												
16												
Witness	ad by											

Witnessed by:

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. \* as engraved on the specimens (if any)

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

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

4. \*\*\*\* 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

1. The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients) 2. The test results are recommended to be interpreted in the light of above factors by the engineer.

Supervisor (Lab)



Project: Construction of 100,000 Gallons of Over Head Water Tank at AL HAMRA Town Lahore. (Over Head Water Tank Raft)										
Our Ref. No. CL/	CED/ 4211	Dated:	16/2/2024	Test Specification						
Your Ref. No.	ALHM/OHW/1224	Dated:	12-02-24	(ASTM C39)						

# **COMPRESSION TEST REPORT**



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

Specim	ens received on:	1	3/2/2	024	Tested on:	16/2	/2024	in dry/wet	t condition		Ü	je sker
Sr. No.	Mark*	Cas DD	ting MM	Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	1:2:4 (3000 Psi)	2	2	2024	6Diax12		13.2	28.28	68	5386		Non Engraved
2	1:2:4 (3000 Psi)	2	2	2024	6Diax12		13.4	28.28	76	6020		Engraved
3												
4												
5						NHINE	BINto A					
6						READIN						
7						OF THY HORD WHO OREATES	ریج۔ انڈی طلق ر	£2				
8					- 88			5				
9							1	~				
10						/ A	IDRL.					
11												
12												
13												
14												
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16												

#### Witnessed by:

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. \* as engraved on the specimens (if any)

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

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

4. \*\*\*\* 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

1. The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients) 2. The test results are recommended to be interpreted in the light of above factors by the engineer.



**Civil Engineering Department** 

University of Engineering and Technology, Lahore. Pakistan Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

6688 Dr. Umbreen

#### To: Mr. Muhammad Shafeeq Manager Operations, INDIGO Signature Apartments

Project: Construction of Indigo Signature Apartments ISC Shear Slab Block

Our Ref. No. CL/Cl	ED/ 4212	Dated:	16/2/2024	Test Specification
Your Ref. No.	Nil	Dated:	13/2/2024	(ASTM C39)

-

# COMPRESSION TEST REPORT



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

Specim	ens received on:	1	3/2/2	024	Tested on:	16/2	/2024	in dry/we	t condition		Ū	i Cristiana (Cristiana)
Sr. No.	Mark*	Cas DD	ting MM	Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	4000 Psi	27	1	2024	6Diax12		13.2	28.28	24	1901		Non Engraved
2	4000 Psi	27	1	2024	6Diax12		13.6	28.28	30	2376		Non Engraved
3												
4												
5						NHNE	RING					
6						READ IN	207					
7						OF THY HORD WHO OREATES	ریک اند کی خلق ر					
8												
9												
10							IORL.					
11												
12												
13												
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15												
16												
Witness	ad by											

#### witnessea by:

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. \* as engraved on the specimens (if any)

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

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

4. \*\*\*\* 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients) 2. The test results are recommended to be interpreted in the light of above factors by the engineer.



**Civil Engineering Department** 

University of Engineering and Technology, Lahore. Pakistan Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895 ORIGINAL A carbon copy for the report has been retained in the lab for record.

> 6689 Dr. Umbreen

### To: Engr. Atif Bashir Ahmed

Manager Construction Quality, EastGate Industries (Pvt) Limited

Project: Expansion Works (Construction of New Office Building at EGA-2, Gajumatta, Rohi Nala, Lahore.)

Our Ref. No. CL/CE	D/ 4213	Dated:	16/2/2024	Test Specification
Your Ref. No.	Nil	Dated:	13/2/2024	(ASTM C39)

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# **COMPRESSION TEST REPORT**



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

Specim	ens received on:	1	3/2/2	024	Tested on:	16/2	/2024	in dry/we	t condition			i Cristiana (Cristiana)
Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Water Absorpti	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	011 (76)	
1	Columns (3750 Psi)	7	1	2024	6Diax12		14.6	28.28	36	2851		Non Engraved
2	Columns (3750 Psi)	7	1	2024	6Diax12		13.2	28.28	48	3802		Engraved
3	Columns (3750 Psi)	7	1	2024	6Diax12		15	28.28	64	5069		Engraved
4	Footings (3000 Psi)	10	1	2024	6Diax12		15	28.28	38	3010		Engraved
5	Footings (3000 Psi)	10	1	2024	6Diax12	NHNE	14.6	28.28	40	3168		Engraved
6	Footings (3000 Psi)	10	1	2024	6Diax12	READ IN	13	28.28	38	3010		Engraved
7						OF THY CORD WHO CREATES	ریجب اندمی خلق ر	I FCH				
8					188			NN.				
9					>	10-		<b>N</b>				
10					<		IOR <u>E</u>					
11												
12										-		
13												
14												
15												
16												
Witness	ad by											

#### Witnessed by:

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. \* as engraved on the specimens (if any)

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

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

4. \*\*\*\* 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

1. The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients) 2. The test results are recommended to be interpreted in the light of above factors by the engineer.



Mr. M. Armughan Khan Deputy Director (QCD), WASA, LDA, Lahore. Project: Testing of Concrete Cylinders against Tender No. XEN (O&M-I)/N.T/2023-2024/01/ (M/S. Babar Zaheer & Co) For RCC Pipes (M/S. Future Pipe Industry Gujranwala) Our Ref. No. CL/CED/ 4214 Dated: 16/2/2024 Your Ref. No. 2035-36 Dated: 28/12/2023

# COMPRESSION TEST REPORT

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



#### Witnessed by:

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. \* as engraved on the specimens (if any)

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

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

4. \*\*\*\* 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

1. The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)

2. The test results are recommended to be interpreted in the light of above factors by the engineer.

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

ORIGINAL

6679

Test Specification

(ASTM C39)



Deputy Director (QCD), WASA, LDA, Lahore Project: Testing of Concrete Cylinders against Tender No. XEN (O&M-I)/N.T/2023-2024/01/ (M/S. Babar Zaheer & Co) For RCC Pipes (M/S. Future Pipe Industry Gujranwala) Our Ref. No. CL/CED/ 4215 Dated: 16/2/2024 Your Ref. No. 2037-38 Dated: 28/12/2023

# **COMPRESSION TEST REPORT**

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

Specim	ens received on:	1	3/2/2	024	Tested on:	16/2	/2024	in dry/wet	condition			jeste g
Sr. No.	Mark*	Cas DD	ting MM	Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate Ioad (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1		20	11	2023	6Diax12		14	28.28	60	4752		Engraved
2												
3												
4												
5						WHINE	RING A					
6						READIN	2071					
7						OF THY -CORD WHO OREATES	زیجک الکی خلق ر	1				
8					S.8			5				
9								~				
10						LA	IORE.					
11												
12												
13												
14												
15												
16												
<b></b> .												

Witnessed by:

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. \* as engraved on the specimens (if any)

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

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

4. \*\*\*\* 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)

2. The test results are recommended to be interpreted in the light of above factors by the engineer.

## Director/Dy. Director Concrete Laboratory



Test Specification

(ASTM C39)

6679



Mr. M. Armughan Khan Deputy Director (QCD), WASA, LDA, Lahore Project: Testing of Concrete Cylinders against Tender No. XEN (O&M-I)/N.T/2023-2024/01/ (M/S. Babar Zaheer & Co) For RCC Pipes (M/S. Future Pipe Industry Gujranwala) Our Ref. No. CL/CED/ 4216 Dated: 16/2/2024 Test Specification Your Ref. No. 2033-34 Dated: 28/12/2023

16/2/2024

in dry/wet condition

# COMPRESSION TEST REPORT



13/2/2024 Tested on:



Remarks

Engraved Engraved --

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(ASTM C39)

6679

Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate Ioad	Ultimate Stress	Water Absorpti	
		DD	ММ	ΥΥΥΥ	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1		7	11	2023	6Diax12		13	28.28	56	4436		
2		7	11	2023	6Diax12		12.2	28.28	74	5861		
3												
4												
5						THE	RING					
6					- )	READ IN	207					
7					- TÊ	OF THY CREATES	ز <del>ب</del> ک اند کی خلق ر	103				
8												
9							100	~				
10					<		IOR <sup>E</sup>					
11												
12												
13												
14												
15												

### Witnessed by:

16

Specimens received on:

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. \* as engraved on the specimens (if any)

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

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

4. \*\*\*\* 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)

2. The test results are recommended to be interpreted in the light of above factors by the engineer.



Deputy Director (QCD), WASA, LDA, Lahore Project: Testing of Concrete Cylinders against Tender No. XEN (O&M-I)/N.T/2023-2024/01/ (M/S. Babar Zaheer & Co) For RCC Pipes (M/S. Future Pipe Industry Gujranwala) Our Ref. No. CL/CED/ 4217 Dated: 16/2/2024 Your Ref. No. 2031-32 Dated: 28/12/2023

## **COMPRESSION TEST REPORT**



6679

Test Specification

(ASTM C39)

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

Specim	ens received on:	1	3/2/2	024	Tested on:	16/2	/2024	in dry/we	t condition		0	] Çekileyî
Sr. No.	Mark*	Cas	sting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate Ioad	Ultimate Stress	Water Absorpti	Remarks
		DD	ММ	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	011 (70)	
1		22	11	2023	6Diax12		13	28.28	72	5703		Engraved
2		22	11	2023	6Diax12		13.6	28.28	80	6337		Engraved
3												
4												
5						NHNE	RING					
6					>	READ N	2071					
7						OF THY GRAD WHO OREATES	ریجی ک الد کی خلق ر					
8								5				
9							1					
10							ORL					
11												
12												
13												
14												
15												
16												

#### Witnessed by:

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. \* as engraved on the specimens (if any)

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

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

4. \*\*\*\* 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)

2. The test results are recommended to be interpreted in the light of above factors by the engineer.



# Plain and Reinforced Concrete Laboratory Civil Engineering Department

University of Engineering and Technology, Lahore. Pakistan Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895 ORIGINAL A carbon copy for the report has been retained in the lab for record.

> 6699 Dr. Umbreen

#### To: Mr. Muhammad Zubair Ahmed

A/XEN (B&R) for Garrison Engineer (NAVY), Naval Complex Walton Gulnerg-III Lahore

Project: CA NO. ENC-N-73/2022- CONST OF SPORTS COMPLEX AT PNWC WALTON Lahore.

Our Ref. No. CL/C	ED/ 4218	Dated:	16/2/2024	Test Specification
Your Ref. No.	6024/24/XY/E-6	Dated:	01-04-23	(ASTM C39)

## **COMPRESSION TEST REPORT**



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

Specim	ens received on:	1	4/2/2	024	Tested on:	16/2	/2024	in dry/wet	t condition		Ι	o contrado
Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight (Ka/ ams)	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Water Absorpti on (%)	Remarks
1	Mezzanine Slab	30	3	2023	6Diax12	(rtg/ giii3) 	13.2	28.28	(iiiip:10113) 64	5069		Non Engraved
2	Mezzanine Slab	30	3	2023	6Diax12		13	28.28	70	5545		Non Engraved
3	Mezzanine Slab	30	3	2023	6Diax12		13.6	28.28	72	5703		Non Engraved
4												
5					- (	THILE	RING .					
6					),		2071					
7						OF THY CORD WHO CREATES	رچک اند می خلق ر	- FCH				
8					583			I Nn				
9							10	~				
10							IDRE.					
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12												
13												
14												
15												
16												
14/:4	and laws											

#### Witnessed by:

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. \* as engraved on the specimens (if any)

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

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

4. \*\*\*\* 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

1. The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients) 2. The test results are recommended to be interpreted in the light of above factors by the engineer.



# Plain and Reinforced Concrete Laboratory Civil Engineering Department

University of Engineering and Technology, Lahore. Pakistan Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895 ORIGINAL A carbon copy for the report has been retained in the lab for record.

> 6699 Dr. Umbreen

#### To: Mr. Muhammad Zubair Ahmed

A/XEN (B&R) for Garrison Engineer (NAVY), Naval Complex Walton Gulnerg-III Lahore

Project: CA NO. ENC-N-73/2022- CONST OF SPORTS COMPLEX AT PNWC WALTON Lahore.

Our Ref. No. CL/C	ED/ 4219	Dated:	16/2/2024	Test Specification
Your Ref. No.	6024/24/XY/E-6	Dated:	16/2/2023	(ASTM C39)

## **COMPRESSION TEST REPORT**



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

Specimo	ens received on:	1	4/2/2	024	Tested on:	16/2	/2024	in dry/we	t condition		[	i çermen
Sr. No.	Mark*	Cas DD	ting MM	Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	1st Floor Column	15	2	2023	6Diax12		13.4	28.28	74	5861		Non Engraved
2	1st Floor Column	15	2	2023	6Diax12		13.6	28.28	78	6178		Non Engraved
3	1st Floor Column	15	2	2023	6Diax12		13	28.28	78	6178		Non Engraved
4												
5						THNE	RING					
6						READ IN	2071					
7						OF THY CORD WHO CREATES	ریجب اند کی خلق ر					
8												
9						-	10	~				
10						-IA	IOR <u>E</u>					
11												
12												
13												
14												
15												
16												
14/34-19-0-0-0												

#### Witnessed by:

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. \* as engraved on the specimens (if any)

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

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

4. \*\*\*\* 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

1. The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients) 2. The test results are recommended to be interpreted in the light of above factors by the engineer.

Supervisor (Lab)



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

University of Engineering and Technology, Lahore. Pakistan Mobile: 0307-0496895 Landline: 042-99029245 & 042-99029202

ORIGINAL A carbon copy for the report has been retained in the lab for record.

> 6703 Dr. Umbreen

#### To: **Assistant Engineer (Civil)**

Building and Works Department, University of Engineering and Technology, Lahore.

Project: Construction of RCC Slab for the Entrance in H-Type Quarter UET Lahore

Our Ref. No. CL/0	CED/ 4220	Dated:	16/2/2024	Test Specification
Your Ref. No.	B&W/AEN/3428	Dated:	13-02-24	( BS 1881-116 )

## **COMPRESSION TEST REPORT**



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

Specim	ens received on:	1	4/2/2	024	Tested on:	16/2	/2024	in dry/we	t condition		0	]€£60£#j
Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight (Ka/ ams)	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Water Absorpti on (%)	Remarks
1	Cube Concrete	5	1	2024	(III) 6x6x6	(rtg/ giii3)	(itg, giiis)	36	122	7591		Engraved
-	Ratio (1:2:4) Cube Concrete	5		2024	0,0,0		5		122	7001		Liigiavea
2	Ratio (1:2:4)	5	1	2024	6x6x6		8.2	36	95	5911		Engraved
3												
4												
5						<b>NHNE</b>	RIN'S					
6					>	READ IN	2071					
7						OF THY CORD WHO CREATES	رچې ا اند کې خلق ر	103				
8					- 88			NN.				
9					>	200-		2				
10					<		IORE.					
11												
12												
13											-	
14												
15												
16												
Witness	ad by:											

#### witnessea by:

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. \* as engraved on the specimens (if any)

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

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

4. \*\*\*\* 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

1. The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients) 2. The test results are recommended to be interpreted in the light of above factors by the engineer.



**Civil Engineering Department** University of Engineering and Technology, Lahore. Pakistan

Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL A carbon copy for the report has been retained in the lab for record.

> 6637 Dr. Umbreen

### To: Mr. Muhammad Farman

Resident Engineer, Jinnah Hospital Lahore, Engineering Consultancy Services Punjab (Pvt) Ltd.

Project: Resident Construction Supervision for "Revamping of Jinnah Hospital, Lahore"

Our Ref. No. CL/0	CED/ 4221	Dated:	16/2/2024	Test Specification
Your Ref. No.	ECSP/RE/387/05	Dated:	21/1/2024	( BS 3921** )

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## **COMPRESSION TEST REPORT**



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

Specim	ens received on:	3	0/1/2	024	Tested on:	16/2	/2024	in dry/wet	t condition			06666666
Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate Ioad	Ultimate Stress	Water Absorpti	Remarks
		DD	ММ	ΥΥΥΥ	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	S				8.6 x 4.3 x 2.8	3350	3020	36.98	40	2423	10.93	
2	S				8.6 x 4.2 x 2.6	3390	3040	36.12	44	2729	11.51	
3	S				8.6 x 4.3 x 3	3525	3185	36.98	39	2362	10.68	
4	S				8.8 x 4.3 x 2.9	3595	3185	37.84	43	2545	12.87	
5	S				8.8 x 4 x 2.8	3310	2985	35.2	44	2800	10.89	
6	S				8.5 x 4.2 x 2.8	3295	3020	35.7	42	2635	9.11	
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#### Witnessed by:

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. \* as engraved on the specimens (if any)

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

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

4. \*\*\*\* 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

1. The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients) 2. The test results are recommended to be interpreted in the light of above factors by the engineer.



**Civil Engineering Department** 

University of Engineering and Technology, Lahore. Pakistan Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895 ORIGINAL A carbon copy for the report has been retained in the lab for record.

> 6639 Dr. Umbreen

### To: Mr. Khalid Yousaf

Assistant Resident Engineer, 16 City of Project, Package #011 (Jhelum)

Project: Rehabilitation / Construction of Altaf Park Jhelum City, Package#01, Under PCP.

Our Ref. No. CL/C	ED/ 4222	Dated:	16/2/2024	Test Specification
Your Ref. No.	ARE/JHE/AP/MC-07	Dated:	29/1/2024	( BS 3921** )

## **COMPRESSION TEST REPORT**



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

Specimens received on:		30/1/2024		024	Tested on:	16/2/2024		in dry/wet condition				
Sr. No.	Mark*	Casting Date*			Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate Ioad	Ultimate Stress	Water Absorpti	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	PRI				9 x 4.2 x 2.9	3315	2730	37.8	32	1896	21.43	
2	PRI				8.7 x 4.3 x 3	3385	2795	37.41	35	2096	21.11	
3	PRI				8.7 x 4.2 x 3	3350	2790	36.54	40	2452	20.07	
4	PRI				8.7 x 4.2 x 2.8	3230	2715	36.54	42	2575	18.97	
5	PRI				8.8 x 4.3 x 2.8	3270	2720	37.84	24	1421	20.22	
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#### Witnessed by:

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

1. The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients) 2. The test results are recommended to be interpreted in the light of above factors by the engineer.



**Civil Engineering Department** 

University of Engineering and Technology, Lahore. Pakistan Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

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A carbon copy for									
the report has									
been retained in									
the lab for record.									

6626 Dr. Umbreen

To: Mr. Muhammad Abubakar Ahmad

ZAUQ e TAMEER, Architectural & Construction Services, Gujranwala.

Project: Nil			
Our Ref. No. CL/CED/ 4223	Dated:	16/2/2024	Test Specification
Your Ref. No. Nil	Dated:	Nil	( )

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# **COMPRESSION TEST REPORT**



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

Specimens received on:		29/1/2024		024	Tested on: 16/2/2024		/2024	4 In dry/wet condition				
Sr. No.	Mark*	Cas DD	sting MM	Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate Ioad (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	R				8.9 x 4.4 x 3.2	4100	3740	39.16	42	2402	9.63	
2	R				9 x 4.4 x 3.2	3955	3630	39.6	26	1471	8.95	
3	R				8.9 x 4.4 x 3.2	4000	3665	39.16	34	1945	9.14	
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#### Witnessed by:

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

1. The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)

2. The test results are recommended to be interpreted in the light of above factors by the engineer.