

To:

# Plain and Reinforced Concrete Laboratory

**Civil Engineering Department** 

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

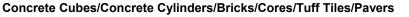
ORIGINAL A carbon copy for the report has been retained in the lab for record.

8227 Dr. M. Burhan

Test Specification (ASTM C39)

Mr. Mouazam Ali Shahzad Asst. Resident Engineer, NEW VISION ENGINEERING CONSULTANT										
Project: UPGRADATION & MODERNIZATION OF PAKISTAN MINT PHASE II-A SHALIMAR TOWN GT ROA LAHORE										
Our Ref. No. CL/CED/ 6446-1 of 2	Dated:	13-11-24								
Your Ref. No. NVEC/RE/PAKMINT/2024/57-1	Dated:	18-10-24								

## **COMPRESSION TEST REPORT**



Specime	ens received on:	1	3-11	-24	Tested on:	13-1	1-24	in dry/wet	condition		Ū	je slev
Sr. No.	Mark*		-	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Water Absorpti on (%)	Remarks
1	Col. Upto Bracing	DD 20	мм 8	YYYY 2024	(in) 6Diax12	(Kg/ gms) 	(Kg/ gms) 14.2	(Sq. in) 28.28	(Imp.Tons) 74	(psi) 5861		Non Engrave
2	Beam-5000 Psi Col. Upto Bracing	20	8	2024	6Diax12		14	28.28	87	6891		Non Engrave
3	Beam-5000 Psi Col. Upto Bracing Beam-5000 Psi	20	8	2024	6Diax12		14	28.28	95	7525		Non Engrave
4	Col. Upto Bracing Beam-5000 Psi	22	8	2024	6Diax12		14.2	28.28	95	7525		Non Engrave
5	Col. Upto Bracing Beam-5000 Psi	22	8	2024	6Diax12	. WEINE	RI/14	28.28	68	5386		Non Engrave
6	Col. Upto Bracing Beam-5000 Psi	22	8	2024	6Diax12	READ IN	14.6	28.28	101	8000		Non Engrav
7	Col. Upto Bracing Beam-5000 Psi	24	8	2024	6Diax12	OF THY CORD WHO CREATES	14.6	28.28	77	6099		Non Engrav
8	Col. Upto Bracing Beam-5000 Psi	24	8	2024	6Diax12		13.6	28.28	83	6574		Non Engrav
9	Col. Upto Bracing Beam-5000 Psi	24	8	2024	6Diax12	200-	14.4	28.28	115	9109		Non Engrav
10	Col. Upto Bracing Beam-5000 Psi	25	8	2024	6Diax12	/ A	14.2	28.28	85	6733		Non Engrav
11	Col. Upto Bracing Beam-5000 Psi	25	8	2024	6Diax12		14.2	28.28	95	7525		Non Engrave
12	Col. Upto Bracing Beam-5000 Psi	25	8	2024	6Diax12		13	28.28	105	8317		Non Engrave
13	Col. Upto Bracing Beam-5000 Psi Col. Upto Bracing	26	8	2024	6Diax12		14	28.28	103	8158		Non Engrave
14	Beam-5000 Psi Col. Upto Bracing	26	8	2024	6Diax12		14.2	28.28	64	5069		Non Engrav
15	Beam-5000 Psi	26	8	2024	6Diax12		15	28.28	105	8317		Non Engrave
16												

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.



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.

8227 Dr. M. Burhan

Mr. Mouazam Ali Shahzad Asst. Resident Engineer, NEW VISION ENGINEERING CONSULTANT											
Project: UPGRADATION & MODERNIZATION OF PAKISTAN MINT PHASE II-A SHALIMAR TOWN GT ROA LAHORE											
Our Ref. No. CL/CED/ 6304-2 of 2	Dated: 13-11-24										
Your Ref. No. NVEC/RE/PAKMINT/2024/57-1	Dated: 18-10-24										

## COMPRESSION TEST REPORT



Test Specification (ASTM C39)

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

Specim	ens received on:	1	3-11	-24	Tested on:	13-1	1-24	in dry/wet	condition			
Sr. No.	Mark*		-	Date*	Size	Wet Weight	Dry Weight	Area of X-Section		Ultimate Stress	Water Absorpti on (%)	Remarks
	Col. Upto Bracing	DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	,	(Imp.Tons)	(psi)	. (,	
1	Beam-5000 Psi	30	8	2024	6Diax12		14	28.28	83	6574		Non Engraved
2	Col. Upto Bracing Beam-5000 Psi	30	8	2024	6Diax12		13.4	28.28	111	8792		Non Engraved
3	Col. Upto Bracing Beam-5000 Psi	30	8	2024	6Diax12		13.8	28.28	83	6574		Non Engraved
4	Col. Upto Bracing Beam-5000 Psi	31	8	2024	6Diax12		14	28.28	105	8317		Non Engraved
5	Col. Upto Bracing Beam-5000 Psi	31	8	2024	6Diax12	THE	14.4	28.28	89	7050		Non Engraved
6	Col. Upto Bracing Beam-5000 Psi	31	8	2024	6Diax12	READ IN	15	28.28	95	7525		Non Engraved
7	Col. Upto Bracing Beam-5000 Psi	2	9	2024	6Diax12	OF THY CORD WHO CREATES	14. 14. کا خلق ر	28.28	79	6257		Non Engraved
8	Col. Upto Bracing Beam-5000 Psi	2	9	2024	6Diax12		14	28.28	109	8634		Non Engraved
9	Col. Upto Bracing Beam-5000 Psi	2	9	2024	6Diax12	20	13.8	28.28	93	7366		Non Engraved
10	Bracing Beam 4000 Psi	9	10	2024	6Diax12		<b>N</b> 14	28.28	95	7525		Non Engraved
11	Bracing Beam 4000 Psi	9	10	2024	6Diax12		14	28.28	81	6416		Non Engraved
12	Bracing Beam 4000 Psi	9	10	2024	6Diax12		13.8	28.28	81	6416		Non Engraved
13												
14												
15												
16												
16 Witness												

### 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 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.



**Civil Engineering Department** 

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

8217 Dr. M. Mazhar

### To: Admin Manager

RF Construction, Johar Town, Lahore

Project: Plot No. 24 Block Q Shah Alam Road Johar Town Lahore.

Our Ref. No. CL/CED/ 6447

Your Ref. No. 13/11/24/By Hand

## **COMPRESSION TEST REPORT**



Test Specification

(ASTM C39)

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

Specime	ens received on:	1	1-11	-24	Tested on:	13/11	1/2024	in dry/wet	condition		Ü	jesker
Sr. No.	Mark*	Cas DD	-	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	3000 Psi	16	10	2024	6Diax12		14	28.28	38	3010		Non Engraved
2	3000 Psi	16	10	2024	6Diax12		15.6	28.28	28	2218		Non Engraved
3												
4												
5					<	NETNE	RING					
6					🔪	READ IN	2071					
7						OF THY CORD WHO CREATES	ر <del>ب</del> ک اند کی خلق ر	I FCH				
8												
9					>			<b>N</b>				
10					<		IOR <u>E</u>					
11												
12												
13												
14												
15												
16												
Nitness	ed by: Mr. Ishtiaq	Huss	sain,	CNIC	# 35201-350879	95-1						

Dated:

Dated:

13/11/2024

11-11-24

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.



**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.

8192 Dr. M. Mazhar

To: Mr. Muzaffar Ahmed

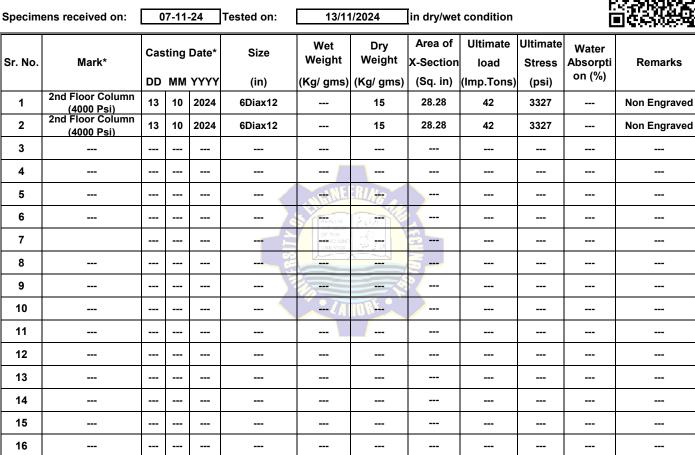
Resident Engineer, G3 Engineering Consultants (Pvt) Ltd

Project: Construction of Residential Area (G20, G-18-19, Family Flats, Male & Female Faculty Hostel, Guest House & Masjid) at University of Narowal (New Campus)- Construction of Guest House Our Ref. No. CL/CED/ 6448 Dated: 13/11/2024 Dated:

Your Ref. No. G3/UON-RE/648

## 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.



06-11-24

**Test Specification** 

(ASTM C39)



**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.

8192 Dr. M. Mazhar

**Test Specification** (ASTM C39)

#### To: Mr. Muzaffar Ahmed

Resident Engineer, G3 Engineering Consultants (Pvt) Ltd

Project: Construction of Residential Area (G20, G-18-19, Family Flats, Male & Female Faculty Hostel, Guest										
House & Masjid) at University of Narowal (New Campus)- Construction of Grade 18, 19 (H #05)										
Our Ref. No. CL/CED/ 6449	Dated:	13/11/2024								
Your Ref. No. G3/UON-RE/649	Dated:	06-11-24								

Your Ref. No. G3/UON-RE/649

## 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.



**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.

8192 Dr. M. Mazhar

**Test Specification** (ASTM C39)

#### To: Mr. Muzaffar Ahmed

Resident Engineer, G3 Engineering Consultants (Pvt) Ltd

Project: Construction of Residential Area (G20, G-18-19, Family Flats, Male & Female Faculty Hostel, Guest											
House & Masjid) at University of Narowal (New Campus)- Construction of Grade 18, 19 (H #04)											
Our Ref. No. CL/CED/ 6450	Dated: 13/11/2024										
Your Ref. No. G3/UON-RE/650	Dated: 06-11-24										

Your Ref. No. G3/UON-RE/650

## 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.



**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.

8191 Dr. M. Mazhar

**Test Specification** (ASTM C39)

#### To: Mr. Muzaffar Ahmed

Resident Engineer, G3 Engineering Consultants (Pvt) Ltd

Project: Construction of Residential Area (G20, G-18-19, Family Flats, Male & Female Faculty Hostel, Guest											
House & Masjid) at University of Narowal (New Campus)- Construction of Male Faculty Hostel											
Our Ref. No. CL/CED/ 6451	Dated: 13/11/2024										
Your Ref. No. G3/UON-RE/642	Dated: 06-11-24										

Your Ref. No. G3/UON-RE/642

### 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.



**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.

8191 Dr. M. Mazhar

**Test Specification** 

(ASTM C39)

#### To: Mr. Muzaffar Ahmed

Resident Engineer, G3 Engineering Consultants (Pvt) Ltd

Project: Construction of Residential Area (G20, G-18-19, Family Flats, Male & Female Faculty Hostel, Guest											
House & Masjid) at University of Narowal (New Campus)- Construction of Male Faculty Hostel											
Our Ref. No. CL/CED/ 6452	Dated: 13/11/2024										
Your Ref. No. G3/UON-RE/643	Dated: 06-11-24										

Your Ref. No. G3/UON-RE/643

### 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.



# 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.

8191 Dr. M. Mazhar

**Test Specification** 

(ASTM C39)

To: Mr. Muzaffar Ahmed

Resident Engineer, G3 Engineering Consultants (Pvt) Ltd

Project: Construction of Residential Area (G20, G-18-19, Family Flats, Male & Female Faculty Hostel, Guest House & Masjid) at University of Narowal (New Campus)- Construction of Jamia Masjid Our Ref. No. CL/CED/ 6453 13/11/2024 Dated: Dated: 06-11-24

Your Ref. No. G3/UON-RE/646

## COMPRESSION TEST REPORT



	ens received on:		7-11		Tested on:			in dry/wet	t condition		E	
Sr. No.	Mark*		-	Date*	Size	Wet Weight		Area of X-Section		Ultimate Stress	Water Absorpti on (%)	Remarks
	1st Floor Roof Slab-	DD		YYYY	· · /	(Kg/ gms)	(Kg/ gms)		(Imp.Tons)			
1	A (3000 Psi)	2	9	2024	6Diax12		14	28.28	42	3327		Non Engraved
2	1st Floor Roof Slab- A (3000 Psi)	2	9	2024	6Diax12		15	28.28	52	4119		Non Engraved
3												
4												
5					<	THE	RING					
6					/ 4	READ IN	2071	🔨				
7					È	OF THY CREATES	زیک الذکی خلوش					
8								5				
9					7	200		₹ <u></u>				
10					<		IORE.					
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.





**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.

8191 Dr. M. Mazhar

**Test Specification** 

(ASTM C39)

#### To: Mr. Muzaffar Ahmed

Resident Engineer, G3 Engineering Consultants (Pvt) Ltd

Project: Construction of Residential Area (G20, G-18-19, Family Flats, Male & Female Faculty Hostel, Guest											
House & Masjid) at University of Narowal (New Campus)- Construction of Male Faculty Hostel											
Our Ref. No. CL/CED/ 6454	Dated: 13/11/2024										
Your Ref. No. G3/UON-RE/651	Dated: 06-11-24										

Your Ref. No. G3/UON-RE/651

## 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.



**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.

8191 Dr. M. Mazhar

**Test Specification** 

(ASTM C39)

#### To: Mr. Muzaffar Ahmed

Resident Engineer, G3 Engineering Consultants (Pvt) Ltd

Project: Construction of Residential Area (G20, G-18-19, Family Flats, Male & Female Faculty Hostel, Guest											
House & Masjid) at University of Narowal (New Campus)- Construction of Female Faculty Hostel											
Our Ref. No. CL/CED/ 6455	Dated: 13/11/2024										
Your Ref. No. G3/UON-RE/652	Dated: 06-11-24										

Your Ref. No. G3/UON-RE/652

## 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.



**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.

8191 Dr. M. Mazhar

**Test Specification** 

(ASTM C39)

#### To: Mr. Muzaffar Ahmed

Resident Engineer, G3 Engineering Consultants (Pvt) Ltd

Project: Construction of Residential Area (G20, G-18-19, F	amily Flats, Male & Female Faculty Hostel, G	Guest
House & Masjid) at University of Narowal (New Campus)-	Construction of Female Faculty Hostel	
oject: Construction of Residential Area (G20, G-18-19, Family Flats, Male & Female Faculty Hostel, Guest ouse & Masjid) at University of Narowal (New Campus)- Construction of Female Faculty Hostel ur Ref. No. CL/CED/ 6456 Dated: 13/11/2024 our Ref. No. G3/UON-RE/653 Dated: 06-11-24		
Your Ref. No. G3/UON-RE/653	Dated: 06-11-24	

Your Ref. No. G3/UON-RE/653

## 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.



**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.

8157 Dr. M. Mazhar

### To: Project Manager

TOWER 101 GULBERG II LHR, MCC Building 53/1 B Nursery Lane Lawrence Road Lahore

Project: Construction of TOWER 101 GULBERG II LAHORE

Our Ref. No. CL/CED/ 6457	Dated:	13/11/2024	Test Specification
Your Ref. No. LHR/MCC/458	Dated:	04-11-24	(ASTM C39)

### **COMPRESSION TEST REPORT**



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

Specime	ens received on:	0	4-11	-24	Tested on:	13/11	/2024	in dry/wet	condition		Ē	jčeneq
Sr. No.	Mark*		-	Date*	Size	Wet Weight	Dry Weight	Area of X-Section (Sq. in)		Ultimate Stress	Water Absorpti on (%)	Remarks
1	Roof Slab	23	10	2024	(in) 6Diax12		(Kg/ gms) 14	28.28	(Imp. rons) 34	(psi) 2693		Non Engraved
	(3000 Psi) Roof Slab	-										Non Engraved
2	(3000 Psi)	23	10	2024	6Diax12		15	28.28	38	3010		Non Engraved
3	Roof Slab (3000 Psi)	23	10	2024	6Diax12		13.4	28.28	34	2693		Non Engraved
4												
5					(	THINE	RINT					
6					2	READIN	207	<u> </u>				
7						OF THY	ریک ان کا خلیش					
8								5				
9							1	~				
10					<		IDRE.					
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.



**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.

8157 Dr. M. Mazhar

### To: Project Manager

TOWER 101 GULBERG II LHR, MCC Building 53/1 B Nursery Lane Lawrence Road Lahore

Project: Construction of TOWER 101 GULBERG II LAHORE

Our Ref. No. CL/CED/ 6458	Dated:	13/11/2024	Test Specification
Your Ref. No. LHR/MCC/457	Dated:	04-11-24	(ASTM C39)

### **COMPRESSION TEST REPORT**



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

Specim	ens received on:	0	4-11	-24	Tested on:	13/11	/2024	in dry/we	t condition		Ċ	jeskeg
Sr. No.	Mark*	Casting Date*			Size	Wet Weight	Dry Weight	Area of X-Section		Ultimate Stress	Water Absorpti on (%)	Remarks
	Mumty Floor	DD	r	YYYY	( )	,	(Kg/ gms)		(Imp.Tons)			
1	Column (4000 Psi)	24	10	2024	6Diax12		13.4	28.28	26	2059		Non Engraved
2	Mumty Floor Column (4000 Psi)	24	10	2024	6Diax12		14	28.28	28	2218		Non Engraved
3												
4												
5						THILE	RIA					
6						READIN	2071	×				
7						OF THY -CRD WHO OREATES	ن <del>ک</del> ے۔ ان کی خلیش	<u>2</u>				
8					188			5-				
9								~				
10							ORE.					
11												
12												
13												
14												
15												
16												
Witness	Witnessed 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.



**Civil Engineering Department** 

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

8147 Dr. M. Mazhar

Test Specification (ASTM C39)

To: Engr Ahmed

Manager Structures, M/S IQBAL, UZAIR & ASSOCIATES

Project: Site 181-D, Model Town Lahore		
Our Ref. No. CL/CED/ 6459	Dated:	13/11/2024
Your Ref. No. Nil	Dated:	Nil

## COMPRESSION TEST REPORT

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

Specim	ens received on:	0	01-11-24		Tested on:	13/11/2024		in dry/wet condition				iesteri
Sr. No.	Mark*	Casting Date*			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	Slab (3000 Psi) (1:2:4)	7	7	2024	6Diax12		14.6	28.28	56	4436		Non Engraved
2	Slab (3000 Psi) (1:2:4)	7	7	2024	6Diax12		14.4	28.28	60	4752		Non Engraved
3	Slab (3000 Psi) (1:2:4)	21	7	2024	6Diax12		14.6	28.28	66	5228		Engraved
4	Slab (3000 Psi) (1:2:4)	21	7	2024	6Diax12		15	28.28	48	3802		Engraved
5						NHNE	RIN S					
6						READ IN						
7						OF THY CORD WHO OREATES	ز <del>ی</del> ک ا اند کی خلق ر	103				
8								NN.				
9								~				
10					<		IORE					
11												
12												
13												
14												
15												
16												
Witness	ed 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.

8219 Dr. M. Mazhar

#### To: Mr. M. USMAN RAUF Resident Engineer, Highways and Transportation Engineering Division, NESPAK (Pvt) Ltd Project: Rehabilitation of Main Road and Link Street Rehmat Town Manawan; Construction of Streets Abu Bakar Keer Kalan and Basti Gujjar; Constr. of Streets H. No. 326 to 330, 432 6C-II Hanif Sial Park UC 236 Our Ref. No. CL/CED/ 6460 13/11/2024 Dated: Your Ref. No. 4084/103/MUR/104/7206 Dated: 08-11-24

## COMPRESSION TEST REPORT

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

Specim	ens received on:	1	1-11	-24	Tested on:	13/1	1/2024	in dry/wet	condition			
Sr. No.	Mark*	Cas DD	-	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		8	10	2024	6x6x6		8.8	36	88	5476		Non Engraved
2		8	10	2024	6x6x6		9	36	54	3360		Non Engraved
3		8	10	2024	6x6x6		9	36	101	6284		Non Engraved
4												
5					<	NHINE	RING					
6					).		2071					
7						OF THY BORD WHO CREATES	ریجب اندکی خلق ر	I FCH				
8					S.R. 1			l Nn				
9												
10							IDR <u>E.</u>					
11												
12												
13												
14												
15												
16												
Witness	ed 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.



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



**Test Specification** 

(BS 1881-116)



**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.

8218 Dr. M. Mazhar

#### To: **Executive Engineer Highways Division Sargodha**

Project: Special Repair of Road From CHAWA to CHAK QAZI Length 21.00 KM in District Sargodha

Our Ref. No. CL/CED/ 6461	Dated:	13/11/2024	Test Specification
Your Ref. No. 7131/C	Dated:	29/10/2024	( BS 1881-116 )

## COMPRESSION TEST REPORT



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

Specim	ens received on:	1	1-11	-24	Tested on: 13/11/2024 in dry/wet condition					Ü	je star																													
Sr. No.	Mark*		Casting Date*		-		-		-		-		-		-		-		-		-		-		-		-		-		-		Size (in)	Wet Weight (Ka/ ams)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate Ioad (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	Rigid Pavement (1:1.5:3)	9	8	2024	6x6x6	(rtg/ giiis) 	(Rg/ gills) 8	36	(imp. rons) 64	3982		Non Engraved																												
2	Rigid Pavement (1:1.5:3)	12	8	2024	6x6x6		9.4	36	74	4604		Non Engraved																												
3	Rigid Pavement (1:1.5:3)	15	8	2024	6x6x6		8.4	36	64	3982		Non Engraved																												
4																																								
5						N BINE	RING																																	
6					- )	READ IN	2071																																	
7						OF THY GORD WHC CREATES	زیجب الد فی خلق ر	133																																
8					1																																			
9								~																																
10						/ A	IOR <u>E</u>																																	
11																																								
12																																								
13																																								
14																																								
15																																								
16																																								
Witness	ed 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 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.



**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.

8179 Dr. M. Mazhar

**Test Specification** 

(----)

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

Pakistan Environmental Planning & Architectural Consultants (Pvt) Ltd

Project: Establishment of Workers Welfare Complex (Phase-I) Adjacent to Sundar Industrial Estate District Kasur. Package T Our Ref. No. CL/CED/ 6462-1 of 2 Dated: 13/11/2024

Dated:

31/10/2024

Your Ref. No. **RE/PEPAC/2024/T-48** 

## COMPRESSION TEST REPORT



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

Specim	ens received on:	06-11-24		-24	Tested on: 1		13/11/2024 in dr		n dry/wet condition			
Sr. No.	Mark*		•	Date*	Size	Wet Weight		Area of X-Section	load	Ultimate Stress	Water Absorpti on (%)	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	011 (70)	
1	Rectangular, Grey, 60mm				7.8 x 3.8 x 2.4		2775	29.64	72	5441		
2	Rectangular, Grey, 60mm				7.8 x 3.8 x 2.4		2905	29.64	99	7482		
3	Rectangular, Red, 60mm				7.8 x 3.8 x 2.4		2795	29.64	72	5441		
4	Rectangular, Red, 60mm				7.8 x 3.8 x 2.4		2760	29.64	81	6121		
5					-	<b>N THINE</b>	BIA					
6						READIN	2071					
7						OF THY GRATES	زیجب اندنی خلق ر					
8					1							
9								~				
10					<	/ A	IORE					
11												
12												
13												
14												
15												
16												
Witness	sed by:	Witnessed by:										

#### ninessea 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.

8179 Dr. M. Mazhar

**Test Specification** 

(----)

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

Pakistan Environmental Planning & Architectural Consultants (Pvt) Ltd

Project: Establishment of Workers Welfare Complex (Phase-I) Adjacent to Sundar Industrial Estate District Kasur. Package T Our Ref. No. CL/CED/ 6462-2 of 2 Dated: 13/11/2024

Dated:

31/10/2024

Your Ref. No. **RE/PEPAC/2024/T-48** 

## COMPRESSION TEST REPORT



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

Specim	ens received on:	06-11-24		-24	Tested on:	13/11/2024		in dry/wet condition			i takata							
Sr. No.	Mark*		Casting Date*		-		-		Casting Date*		Size	Wet Weight		Area of X-Section			Water Absorpti on (%)	Remarks
		DD	ММ	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	011 ( 76)							
1	Uni-Block, Grey, 60mm				2.3 thick		3430	36.99	133	8054								
2	Uni-Block, Grey, 60mm				2.3 thick		3385	36.99	95	5753								
3	Uni-Block, Red, 60mm				2.3 thick		3345	36.99	105	6358								
4	Uni-Block, Red, 60mm				2.3 thick		3360	36.99	127	7691								
5						. WITHE	RINTS .											
6					- 2	KEAU N	200	<u> </u>										
7						OF THY -CORD WHO OREATES	ز <del>بک</del> ان کی خلق ر											
8					188			5										
9					-	20	67	₹										
10							IDR.											
11																		
12																		
13																		
14																		
15																		
16																		
Witness	ed 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 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.

8198 Dr. M. Mazhar

To: **Muhammad Construction Company** 

Nathuwala Chak No. 180 R.B, Shahkot, Nankana Sahib.

Project: Paramount Mill Development (Raiwind) Sapphire Fibers Ltd.

Our Ref. No. CL/CED/ 6463	Dated:	13/11/2024	Test Specification
Your Ref. No. Nil	Dated:	Nil	( )

## COMPRESSION TEST REPORT



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

Specim	ens received on:	0	7-11	-24	Tested on:	13/11	/2024	in dry/we	t condition			
Sr. No.	Mark*		-	Date*	Size	Wet Weight	Dry Weight	Area of X-Section		Ultimate Stress	Water Absorpti on (%)	Remarks
1	K5	DD			(in) 8.6 x 4.3 x 2.9	(r.g/ gms) 	(Kg/ gms) 3385	(Sq. in) 36.98	(Imp.Tons) 36	(psi) 2181		
-												
2	K5				8.8 x 4.3 x 3		3435	37.84	42	2486		
3	A7				8.8 x 4.3 x 3		3365	37.84	40	2368		
4												
5						THE	RING					
6					)	READ IN	2071	🔪				
7					È	OF THY CREATES	زیک الذکی خلوش	-				
8								5				
9					5	200		₹ <u></u>				
10					<		IORE.					
11												
12												
13												
14												
15												
16												
Witnessed by:												

### ninessea 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.



To: **Cantonment Executive Officer Lahore** Military Lands & Cantonments Deptt, Lahore Cantonment Board

Project: Construction of Shops (11X CB Plaza Sarwar Road)

Our Ref. No. CL/	'CED/ 6464	Dated:	13/11/2024	Test Specification
Your Ref. No.	SCE/Tender-2024-25/D-18570-A	Dated:	29/10/2024	( )

## COMPRESSION TEST REPORT



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

Specim	ens received on:	0	8-11	-24	Tested on:	13/1	1/2024	in dry/wet	t condition			
Sr. No.	Mark*	Cas DD	-	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	F-16				8.8 x 4.3 x 3		3190	37.84	40	2368		
2	F-16				8.8 x 4.3 x 2.9		3015	37.84	30	1776		
3												
4						/						
5					-	NHNE	RING					
6					-	READ IN	207					
7						OF THY HORD WHO OREATES	ریک اند کی خلق ر					
8					\$\} 			5				
9												
10							IORL.					
11												
12												
13												
14												
15												
16												
Witnessed 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.

Supervisor (Lab)



**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.



To: **Cantonment Executive Officer Lahore** Military Lands & Cantonments Deptt, Lahore Cantonment Board

Project: Construction of Drain at Chota Gohawa Our Ref. No. CL/CED/ 6465 Dated: 13/11/2024 **Test Specification** Your Ref. No. SCE/Tender-2024-25/D-18573 Dated: 29/10/2024 (----)

## COMPRESSION TEST REPORT



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

Specim	ens received on:	0	8-11	-24	Tested on:	13/11/2024 in dry/wet condition						
Sr. No.	Mark*		-	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	load	Ultimate Stress	Water Absorpti on (%)	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	011 ( 76)	
1	F-16				8.8 x 4.3 x 3		3040	37.84	26	1539		
2	F-16				8.8 x 4.3 x 3		3045	37.84	32	1894		
3												
4												
5						NHINE	RING					
6					- )	READ IN	2071	<b>_</b>				
7						OF THY CREATES	زیجب الدی خلق ر					
8					188			NN.				
9					>	200-		2				
10					<		IORE					
11												
12												
13												
14												
15												
16												
Witness	ed 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.

8128 Dr. M. Mazhar

То:	Mr. Muhammad / Resident Engine	Asif Bajwa er, Highways and Transportation Enginee	ring Division, NESPAK (	Pvt) Ltd	
	Project: Restorat Km in District Na	tion/Improvenment of Sangla Hill to Pindi ankana Sahib	Bhattian Road Length =	12.00 Km (Taken = 9	.20)
	Our Ref. No. CL/	CED/ 6466	Dated:	13/11/2024	Test Specification
	Your Ref. No.	3811/103/RRPNS/AB/288	Dated:	25/10/2024	( BS 3921** )

## **COMPRESSION TEST REPORT**



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

Specim	ens received on:	30	)/10/2	2024	Tested on:	13/11	/2024	in dry/wet	condition		E	
Sr. No.	Mark*		-	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	BIB				8.9 x 4.3 x 3	3875	3515	38.27	46	2692	10.24	
2	BIB				8.8 x 4.1 x 2.9	3595	3305	36.08	44	2732	8.77	
3	BIB				9 x 4.3 x 3	3805	3400	38.7	38	2199	11.91	
4	BIB				8.9 x 4.2 x 3	3745	3415	37.38	46	2757	9.66	
5	BIB				9 x 4.2 x 3	3745	3410	37.8	46	2726	9.82	
6	BIB				8.9 x 4.2 x 3	3665	3335	37.38	46	2757	9.9	
7						OF THY CORD WHO CREATES	زیجہ ا اندائی خلق ر	13				
8					188			5-				
9					>	20-		2				
10					<		IORE					
11												
12												
13												
14												
15												
16												
Witnessed 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 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.