

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.

> 3562 Dr. Yousaf

To: Syed Khalid Gillani

Team Leader G3 Engineering Consultant (Pvt) Ltd

Project: Provision of Sewerage/Drainage and Streets/Tuff Tiles etc at Shadiwal Road District Gujrat GS No.

Our Ref. No. CL/CED/ 9346-3 of 3

29/7/2022 Dated:

**Test Specification** 

Your Ref. No.

G3/0265/TL-8i

7/7/202 Dated:

( ---- )

## COMPRESSION TEST REPORT

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

Specimens received on: 14/7/2022 Tested on: 29/7/2022 in dry/wet condition



Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section		Ultimate Stress	Absorpti	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	AZ				8.4 x 3.9 x 2.8	3255	3070	32.76	43	2940	6.03	
2	AZ				8.7 x 4.1 x 2.9	3335	3120	35.67	44	2763	6.89	
3	AZ				8.9 x 4.3 x 2.9	3620	3320	38.27	39	2283	9.04	
4												
5						CINE	RING					
6						Topanial						
7					2	THE NAME OF THY LIDED WHO	G   N					
8					60	CAEATES	1000	<b>3</b> -				
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11												
12												
13												
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16												

### Witnessed by:

Results can also be seen on website <a href="https://civil.uet.edu.pk/concrete-laboratory-reports1/">https://civil.uet.edu.pk/concrete-laboratory-reports1/</a>

- 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 comprerssive strength

- 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)
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> 3562 Dr. Yousaf

To: Syed Khalid Gillani

Team Leader G3 Engineering Consultant (Pvt) Ltd

Project: Provision of Sewerage / Drainage and Streets / Tuff Tiles etc at Spall Town, District Gujrat GS No.

Our Ref. No. CL/CED/ 9347-3 of 3

29/7/2022 Dated:

**Test Specification** 

Your Ref. No.

G3/0265/TL-8ii

7/7/202 Dated:

( ---- )

## COMPRESSION TEST REPORT

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

Specimens received on: 14/7/2022 Tested on: 29/7/2022 in dry/wet condition



Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section		Ultimate Stress	Absorpti	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	AZ				8.6 x 4.2 x 2.8	3330	3100	36.12	32	1984	7.42	
2	AZ				8.6 x 4 x 2.8	3260	3150	34.4	45	2930	3.49	
3	AZ				8.7 x 4.3 x 2.9	3475	3190	37.41	47	2814	8.93	
4												
5						GINE	RING					
6						Topanial						
7					2	THE NAME OF THY LIDED WHO	G \					
8						CAEATES	10000	<b>3</b> -				
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10					(	- IA	INRE.					
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- 3. \*\*\* BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
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> 3265 Dr. Yousaf

To: Syed Khalid Gillani

Team Leader G3 Engineering Consultant (Pvt) Ltd

Project: Provision of Sewerage/Drainage and Streets/Tuff Tiles etc at Ghulam Qadir Road District Gujrat

GS No. 1242.

Our Ref. No. CL/CED/ 9348-3 of 3

29/7/2022 Dated:

**Test Specification** 

Your Ref. No. G3/0265/TL-8iii

7/7/202 Dated:

( ---- )

## COMPRESSION TEST REPORT

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

Specimens received on: 14/7/2022 Tested on: 29/7/2022 in dry/wet condition



Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section		Ultimate Stress	Absorpti	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	AZ				8.6 x 4.1 x 2.8	3415	3040	35.26	45	2859	12.34	
2	AZ				8.4 x 4 x 2.8	3295	3025	33.6	44	2933	8.93	
3	AZ				8.5 x 4.1 x 2.8	3205	3020	34.85	36	2314	6.13	
4												
5						CINE	RING					
6						Topanial						
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> 3562 Dr. Yousaf

To: Syed Khalid Gillani

Team Leader G3 Engineering Consultant (Pvt) Ltd

G3/0265/TL-8vii

Project: Provision of Sewerage/Drainage and Streets/Tuff Tiles etc at Bara Dari Road Radhanpur District

Gujrat GS No. 1242

Your Ref. No.

Our Ref. No. CL/CED/ 9349-3 of 3

29/7/2022 Dated:

**Test Specification** 

( ---- )

7/7/202 Dated:

COMPRESSION TEST REPORT

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

Specimens received on: 14/7/2022 Tested on: 29/7/2022 in dry/wet condition



Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Absorpti	Remarks
		DD	ММ	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	AZ				8.7 x 4.1 x 2.7	3340	3070	35.67	40	2512	8.79	
2	AZ				8.7 x 4.1 x 2.8	3295	3090	35.67	40	2512	6.63	
3	AZ				8.7 x 4 x 2.8	3360	3115	34.8	42	2703	7.87	
4												
5						GINE	RING					
6						T GEADING						
7						THE NAME  THY  LIGHT WHO	\$ N					
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15												
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> 3586 Dr. Yousaf

**Test Specification** 

To: **Muhammad Omer Muslim** 

Mohallah Fateh Town, Okara.

Our Ref. No. CL/CED/ 9447

Project: Construction of House in DHA Phase-08, Sector-A, Lahore.

Your Ref. No. Nil Dated: (BS 3921\*\*)

Dated:

29/07/2022

## COMPRESSION TEST REPORT

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

Specimens received on: 20/07/2022 Tested on: 29/07/2022 in dry/wet condition



Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Water Absorpti	Remarks
	DD	ММ	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
27				9 x 4.4 x 3	3870	3420	39.6	37	2093	13.16	
27				9 x 4.4 x 3	3730	3300	39.6	45	2545	13.03	
27				8.9 x 4.4 x 2.9	3530	3245	39.16	39	2231	8.78	
27				8.9 x 4.4 x 3	3675	3315	39.16	26	1487	10.86	
27				9 x 4.4 x 2.9	3730	3440	39.6	37	2093	8.43	
					Topanial						
				2	THE NAME OF THY LIDED WHO	\$ N					
				58	CAEATES	10001					
					<b>X</b>		<b>7</b>				
				(	**/A	INRE.					
	27 27 27 27 27	Mark* DD 27 27 27 27 27 27	DD MM  27  27  27  27  27  27	DD MM YYYY  27  27  27  27  27	Mark*  DD MM YYYY  (in)  27 9 x 4.4 x 3  27 9 x 4.4 x 3  27 8.9 x 4.4 x 2.9  27 8.9 x 4.4 x 3  27 9 x 4.4 x 2.9  9 x 4.4 x 2.9  9 x 4.4 x 2.9  9 x 4.4 x 2.9	Mark*    DD   MM   YYYY   (in)   (Kg/gms)	Mark*   DD MM YYYY   (in)   (Kg/ gms) (Kg/ gms)	Mark*         Casting Date*         Size         Weight (Kg/ gms)         X-Section (Sq. in)           27           9 x 4.4 x 3         3870         3420         39.6           27           9 x 4.4 x 3         3730         3300         39.6           27           8.9 x 4.4 x 2.9         3530         3245         39.16           27           8.9 x 4.4 x 2.9         3730         3440         39.6           27           9 x 4.4 x 2.9         3730         3440         39.6	Mark*         Casting Date*         Size         Weight (Kg/gms) (X-Section load (Imp.Tons)           27           9 x 4.4 x 3         3870         3420         39.6         37           27           9 x 4.4 x 3         3730         3300         39.6         45           27           8.9 x 4.4 x 2.9         3530         3245         39.16         39           27           8.9 x 4.4 x 2.9         3730         3440         39.6         37              9 x 4.4 x 2.9         3730         3440         39.6         37 <t< td=""><td>Mark*         Casting Date*         Size         Weight (Kg/gms) (Kg/gms) (Kg/gms)         XSection (Sq. in) (Imp.Tons) (psi)           27           9 x 4.4 x 3         3870         3420         39.6         37         2093           27           9 x 4.4 x 3         3730         3300         39.6         45         2545           27           8.9 x 4.4 x 2.9         3530         3245         39.16         39         2231           27           8.9 x 4.4 x 3         3675         3315         39.16         26         1487           27           9 x 4.4 x 2.9         3730         3440         39.6         37         2093   </td><td>Mark*         Casting Date*         Size         Weight (Kg/gms) (Kg/gms)         X-Section (load (mp.Tons))         Stress (psi) on (%)         Absorption (%)           27           9 x 4.4 x 3         3870         3420         39.6         37         2093         13.16           27           9 x 4.4 x 3         3730         3300         39.6         45         2545         13.03           27           8.9 x 4.4 x 2.9         3530         3245         39.16         39         2231         8.78           27           8.9 x 4.4 x 2.9         3730         3440         39.6         37         2093         8.43              9 x 4.4 x 2.9         3730         3440         39.6         37         2093         8.43                                     </td></t<>	Mark*         Casting Date*         Size         Weight (Kg/gms) (Kg/gms) (Kg/gms)         XSection (Sq. in) (Imp.Tons) (psi)           27           9 x 4.4 x 3         3870         3420         39.6         37         2093           27           9 x 4.4 x 3         3730         3300         39.6         45         2545           27           8.9 x 4.4 x 2.9         3530         3245         39.16         39         2231           27           8.9 x 4.4 x 3         3675         3315         39.16         26         1487           27           9 x 4.4 x 2.9         3730         3440         39.6         37         2093	Mark*         Casting Date*         Size         Weight (Kg/gms) (Kg/gms)         X-Section (load (mp.Tons))         Stress (psi) on (%)         Absorption (%)           27           9 x 4.4 x 3         3870         3420         39.6         37         2093         13.16           27           9 x 4.4 x 3         3730         3300         39.6         45         2545         13.03           27           8.9 x 4.4 x 2.9         3530         3245         39.16         39         2231         8.78           27           8.9 x 4.4 x 2.9         3730         3440         39.6         37         2093         8.43              9 x 4.4 x 2.9         3730         3440         39.6         37         2093         8.43

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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 comprerssive strength

- 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)
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> 3627 Dr. Yousaf

To: Ms. Sadia Naushad

**Vice Principal MAKTAB** 

Project: Nil

Your Ref. No.

Our Ref. No. CL/CED/ 9447A

Nil

29/7/2022 Dated:

**Test Specification** (BS 1881-116)

Dated: 30/6/2022

## COMPRESSION TEST REPORT

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

Specimens received on: 27/07/2022 Tested on: 29/7/2022 in dry/wet condition



 DD				Weight	Weight	X-Section	load	Stress	Absorpti	Remarks
	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
3	7	2022	6x6x6		8	36	55	3422		Engraved
 3	7	2022	6x6x6		8	36	53	3298		Engraved
 -										
 -				CINE	RING					
 -				Tagana)						
				THE NAME OF THY LIGHT WHO	- N					
 -				CREATES	10000					
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### Witnessed by:

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> 3638 Dr. Yousaf

**Test Specification** 

To: Mr. Ameen Firdous, Civil Engineer & Technologists

Prime Builders, Gulberg III, Lahore.

Project: B 45 Gulberg III, Lahore.

Our Ref. No. CL/CED/ 9448 29/07/2022 Dated:

Your Ref. No. Dated: 28/07/2022 ( ASTM C39 )

## **COMPRESSION TEST REPORT**

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

Specimens received on: 28/07/2022 Tested on: 29/07/2022 in dry/wet condition



Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Water Absorpti	Remarks
		DD	ММ	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	(4000 Psi)	2	7	2022	6Diax12		13.4	28.28	40	3168		Non Engraved
2	(4000 Psi)	2	7	2022	6Diax12		13	28.28	36	2851		Non Engraved
3	(4000 Psi)	2	7	2022	6Diax12		13.6	28.28	37	2931		Non Engraved
4												
5						GINE	RING					
6						The annual						
7						THE NIGHE OF THY LIGHT WHO	3 N					
8					53	CHEATES	1000	<b>3</b> -				
9						<b>%</b>		<b>7</b>				
10					(	*/A	INRE.					
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14												
15												
16												

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> 3628 Dr. Yousaf

**Test Specification** 

To: Husnain Kareemain (HK)

**Residential and Commercial Builders** 

Our Ref. No. CL/CED/ 9448A

**Project: Construction of Beacon House School Sargodha Campus** 

Your Ref. No. Dated: 27/7/2022 (BS 1881-116)

Dated:

29/7/2022

## COMPRESSION TEST REPORT

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

Specimens received on: 27/07/2022 Tested on: 29/7/2022 in dry/wet condition



Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Water Absorpti	Remarks
	DD	ММ	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
Footing	23	6	2022	6x6x6		8.6	36	62	3858		Non Engraved
Footing	23	6	2022	6x6x6		8.4	36	68	4231		Non Engraved
Column	30	6	2022	6x6x6		9	36	114	7093		Non Engraved
Column	30	6	2022	6x6x6		8.4	36	124	7716		Non Engraved
					CINE	RING					
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				S	CREATES	50					
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									-		
	Footing Footing Column Column	Mark* DD Footing 23 Footing 23 Column 30 Column 30	Mark*  DD MM  Footing 23 6  Footing 23 6  Column 30 6  Column 30 6	DD MM YYYY	Mark*    DD   MM   YYYY   (in)	Mark*   Casting Date*   Size   Weight	Mark*   DD MM YYYY   (in)   (Kg/ gms)   (Kg/ gms)	Mark*         Casting Date* DD MM YYYY         Size Weight (Kg/ gms)         Weight (Kg/ gms)         X-Section (Sq. in)           Footing         23         6         2022         6x6x6          8.6         36           Footing         23         6         2022         6x6x6          8.4         36           Column         30         6         2022         6x6x6          9         36           Column         30         6         2022         6x6x6          8.4         36	Mark*	Mark*   Casting Date*   Size   Weight   Weight   X-Section   load   Stress   (Kg/gms)   (Kg/gms)	Mark*         Casting Date*         Size         Weight (Kg/gms)         X-Section (Sq. in)         load (Imp.Tons)         Absorption (%)           Footing         23         6         2022         6x6x6          8.6         36         62         3858            Footing         23         6         2022         6x6x6          8.4         36         68         4231            Column         30         6         2022         6x6x6          8.4         36         114         7093            Column         30         6         2022         6x6x6          8.4         36         124         7716                8.4         36         124         7716

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> 3583 Dr. Yousaf

To: Junaid Ali Khan, Chief Executive

M/s Alive-Civil Works Contractor, 118-H Model Town, Lahore.

Project: Construction of 118 H Block Model Town Lahore.

Our Ref. No. CL/CED/ 9449 29/7/2022 Dated: **Test Specification** Your Ref. No. 118/PSI-3K/UET Dated: 05/07/2022 ( ASTM C39 )

## **COMPRESSION TEST REPORT**

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

Specimens received on: 20/07/2022 Tested on: 29/7/2022 in dry/wet condition



Sr. No.	. No. Mark*		ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Absorpti	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	Roof Slab (3000 Psi)	5	7	2022	6Diax12		14	28.28	51	4040		Non Engraved
2	Roof Slab (3000 Psi)	5	7	2022	6Diax12		14.4	28.28	53	4198		Non Engraved
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Results can also be seen on website <a href="https://civil.uet.edu.pk/concrete-laboratory-reports1/">https://civil.uet.edu.pk/concrete-laboratory-reports1/</a>

- 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 comprerssive strength

- 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.



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.

> 3559 Dr. Yousaf

To: Syed Zahid Hussain, Resident Engineer

**AZ Engineering Associates Kharian Residency** 

Project: Rehabilitation of Kharian Dinga M.B. Din Road Dual Carriageway upto Amra Kalan District Boundary Gujrat Length= 29 Km Tehsil Kharian District Gujrat (Part-A km. No. 0.00 to 14.00)
Our Ref. No. CL/CED/ 9450A Dated: 29/7/2022

Your Ref. No. RE AZEA/GT-432 Dated: 04/06/2022

**Test Specification** 

(BS 3921\*\*)

### **COMPRESSION TEST REPORT**

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

Specimens received on: 07/07/2022 Tested on: 29/7/2022 in dry/wet condition



Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section		Ultimate Stress	Absorpti	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	Machine Made Double Line				9 x 4.2 x 2.8	3415	2875	37.8	38	2252	18.78	
2	Machine Made Double Line				8.7 x 4.2 x 2.8	3325	2735	36.54	51	3126	21.57	
3	Machine Made  Double Line				8.9 x 4.2 x 2.9	3360	2775	37.38	37	2217	21.08	
4	Machine Made Double Line				8.7 x 4.2 x 2.8	3255	2790	36.54	43	2636	16.67	
5	Machine Made  Double Line				8.9 x 4.2 x 2.8	3365	2835	37.38	40	2397	18.69	
6	Machine Made Double Line				9 x 4.2 x 2.8	3540	3020	37.8	40	2370	17.22	
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### Witnessed by:

Results can also be seen on website <a href="https://civil.uet.edu.pk/concrete-laboratory-reports1/">https://civil.uet.edu.pk/concrete-laboratory-reports1/</a>

- 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

- 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.



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.

> 3558 Dr. Yousaf

To: **Umair Maqsood, Sub Divisional Officer** 

**Buildings Sub Division, Assembly, Lahore** 

Project: Strengthening of Emergency in all Districts of Punjab.

Our Ref. No. CL/CED/ 9451A

**Test Specification** Your Ref. No. No. 484 Dated: 06/07/2022 (BS 3921\*\*)

Dated:

29/7/2022

## COMPRESSION TEST REPORT

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

Specimens received on: 07/07/2022 Tested on: 29/7/2022 in dry/wet condition



Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Water Absorpti	Remarks
		DD	ММ	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	333				8.8 x 4.4 x 2.9	3605	3225	38.72	46	2661	11.78	
2	333				8.7 x 4.3 x 2.9	3670	3200	37.41	36	2156	14.69	
3	333				8.9 x 4.4 x 2.9	3730	3335	39.16	36	2059	11.84	
4	333				8.8 x 4.4 x 2.9	3660	3250	38.72	35	2025	12.62	
5	333				8.8 x 4.3 x 2.9	3565	3350	37.84	36	2131	6.42	
6	333				8.8 x 4.4 x 2.9	3685	3299	38.72	42	2430	11.7	
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Results can also be seen on website <a href="https://civil.uet.edu.pk/concrete-laboratory-reports1/">https://civil.uet.edu.pk/concrete-laboratory-reports1/</a>

- 1. \* as engraved on the specimens (if any)
- 2. \*\* BS3921 requires average of ten clay brick samples for crushing strength and water absorption
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- 4. \*\*\*\* ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprerssive strength

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



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**ORIGINAL** 

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

> 3547 Dr. Yousaf

To: Muhammad Asif Bajwa

Assistant Resident Engineer, NESPAK H&TE Division.

Project: Dualization of Road from Gujranwala to M-2 Interchange at Kot Sarwar via Hafizabad Km 6.20 to Km 80.35 Length 74.15 Km in District Gujranwala & Hafizabad (Section Km 55.40~79.35, L=23.95 Km)

Our Ref. No. CL/CED/ 9452A

Dated: 29/7/2022

**Test Specification** 

Your Ref. No. SA-466F/103/GH/ML/Lab/33

Dated: 04/07/2022

(BS 3921\*\*)

## **COMPRESSION TEST REPORT**

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

Specimens received on: 05/07/2022 Tested on: 29/7/2022 in dry/wet condition



Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Absorpti	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	Machine Made Double Line				8.7 x 4.3 x 2.7	3100	2645	37.41	47	2814	17.2	
2	Machine Made  Double Line				8.7 x 4.3 x 2.7	3110	2630	37.41	39	2335	18.25	
3	Machine Made  Double Line				8.6 x 4.3 x 2.8	3075	2625	36.98	43	2605	17.14	
4	Machine Made  Double Line				8.6 x 4.2 x 2.7	3015	2580	36.12	41	2543	16.86	
5	Machine Made  Double Line				8.8 x 4.3 x 2.7	3105	2625	37.84	49	2901	18.29	
6	Machine Made  Double Line				8.7 x 4.3 x 2.8	3160	2670	37.41	46	2754	18.35	
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#### Witnessed by:

Results can also be seen on website <a href="https://civil.uet.edu.pk/concrete-laboratory-reports1/">https://civil.uet.edu.pk/concrete-laboratory-reports1/</a>

- 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 comprerssive strength

 $\underline{\textbf{Note:}}$  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.



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**ORIGINAL** 

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

> 3494 Dr. Yousaf

To: Sub Divisional Officer

Your Ref. No.

**Buildings Sub Division No. 9, Lahore** 

1050/9th

Project: Master Planning of Qurban Lines, Lahore (Phase-1). Construction of BS (18-19) Apartments at

Qurban Lines, Lahore.

Our Ref. No. CL/CED/ 9453A

Dated: 29/7/2022

Test Specification

Dated: 21/6/2022

(BS 3921\*\*)

## **COMPRESSION TEST REPORT**

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

Specimens received on: 27/6/2022 Tested on: 29/7/2022 in dry/wet condition



Sr. No.	Mark*	Casting Date*			Size	Wet Weight	Dry Weight	Area of X-Section		Ultimate Stress	Absorpti	Remarks
					(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	RA				8.8 x 4.4 x 3	3750	3275	38.72	41	2372	14.5	
2	RA				8.9 x 4.4 x 3	3810	3345	39.16	41	2345	13.9	
3	RA				8.9 x 4.4 x 3	3705	3260	39.16	40	2288	13.65	
4	RA				8.9 x 4.4 x 2.9	3755	3285	39.16	40	2288	14.31	
5	RA				8.9 x 4.3 x 3	3760	3315	38.27	39	2283	13.42	
6	RA				9 x 4.4 x 3	3800	3275	39.6	39	2206	16.03	
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### Witnessed by:

 $Results\ can\ also\ be\ seen\ on\ website\ \underline{https://civil.uet.edu.pk/concrete-laboratory-reports1/2}$ 

- 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
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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.