

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.

> 2135 Dr. Qasim Shaukat

Test Specification

BS 1881-116)

To: Brig. Saeed Ahmed Malik (Resident Engineer)

M/s NESPAK (Pvt.) Ltd. Lahore. (Highways and Transportation Engineering Division).

Project: Rehabilitation/Construction of PCC Nallah Mouza Jhedu Kahna Nau PP-165, NA-132.

Our Ref. No. CL/CED/ 6181 Dated: 22-10-21

Your Ref. No. 4084/103/BSAM/104/528 Dated: 15-10-21

COMPRESSION TEST REPORT

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

Specimens received on: 21-10-21 Tested on: 21-10-21 in dry/wet condition

Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section		Ultimate Stress	Absorpti	Remarks
	DD	ММ	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
	18	9	21	6x6x6		8.8	36	140	8711		Non Engraved
	18	9	21	6x6x6		8.6	36	122	7591		Non Engraved
	18	9	21	6x6x6		8.6	36	135	8400		Non Engraved
		-	-								-
		-									
		-									
		-	-								
		-	-								
	1	-									
	ł	-				-			-		
		Mark* DD 18 18 18	DD MM 18 9 18 9 18 9	DD MM YYYY 18 9 21 18 9 21 18 9 21	DD MM YYYY	Mark* Casting Date* Size Weight	Mark* Casting Date* Size Weight Weight DD MM YYYY (in) (Kg/ gms) (Kg/ gms) 18 9 21 6x6x6 8.6 18 9 21 6x6x6 8.6	Mark* Casting Date* Size Weight Weight (Kg/ gms) X-Section (Sq. in) 18 9 21 6x6x6 8.8 36 18 9 21 6x6x6 8.6 36 18 9 21 6x6x6 8.6 36 18 9 21 6x6x6 8.6 36 <td>Mark*</td> <td>Mark* Casting Date* DD MM YYYY Size DD MM YYYY Weight (Kg/ gms) (Kg/ gms) X-Section (Sq. in) (Imp.Tons) (psi) Stress (psi) </td> <td>Mark* Casting Date* Size Weight (Kg/gms) Weight (Kg/gms) X-Section (Sq. in) (Imp.Tons) Ioad (Imp.Tons) Absorption (%) </td>	Mark*	Mark* Casting Date* DD MM YYYY Size DD MM YYYY Weight (Kg/ gms) (Kg/ gms) X-Section (Sq. in) (Imp.Tons) (psi) Stress (psi)	Mark* Casting Date* Size Weight (Kg/gms) Weight (Kg/gms) X-Section (Sq. in) (Imp.Tons) Ioad (Imp.Tons) Absorption (%)

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 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.



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2091 Dr. Wasim Abbas

To: Sub Divisional Officer

Public Health Engg: Sub Division Phoolnager.

Project: Construction/Reconnection & Laying of PCC, Drains, Culverts, Brick Pavements, Sullage Carries

and Repair/Carpeting of Metalled Etc. Phoolnager City, Tehsil Pattoki, District Kasur.

Our Ref. No. CL/CED/ 6182 Dated: 22-10-21

Your Ref. No. 546 Dated: 07-10-21

Test Specification

(BS 3921**)

COMPRESSION TEST REPORT

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

Specimens received on: 14-10-21 Tested on: 22-10-21 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	7UP				8.8 x 4.2 x 2.7		2980	36.96	55	3333		
2										-		
3												
4												
5												
6				-	-							
7					-							
8												
9												
10												
11												
12												
13												
14												
15												
16												
Witness	end by:	<u> </u>		<u> </u>				<u> </u>	<u> </u>			

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
- 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.



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2091 Dr. Wasim Abbas

(BS 3921**)

To: Sub Divisional Officer

Public Health Engg: Sub Division Phoolnager.

Project: Construction/Reconnection & Laying of PCC, Drains, Culverts, Brick Pavements, Sullage Carries

and Repair/Carpeting of Metalled Etc. Phoolnager City, Tehsil Pattoki, District Kasur.

Our Ref. No. CL/CED/ 6183 Dated: 22-10-21 <u>Test Specification</u>

Your Ref. No. 548 Dated: 07-10-21

COMPRESSION TEST REPORT

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

Specimens received on: 14-10-21 Tested on: 22-10-21 in dry/wet condition

Sr. No.	Mark*			Date*	Size	Wet Weight		Area of X-Section	load	Ultimate Stress	Water Absorpti on (%)	Remarks
		DD	ММ	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	OII (70)	
1	7UP				8.8 x 4.2 x 3		3250	36.96	33	2000		
2												
3			-	-						-		
4												-
5												-
6												-
7												-
8												
9												-
10												
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 comprerssive 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)

Director/Dy. Director Concrete Laboratory



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2091 Dr. M. Yousaf

To: Sub Divisional Officer

Public Health Engg: Sub Division Phoolnager.

Project: Construction/Reconnection & Laying of PCC, Drains, Culverts, Brick Pavements, Sullage Carries

and Repair/Carpeting of Metalled Etc. Phoolnager City, Tehsil Pattoki, District Kasur.

Our Ref. No. CL/CED/ 6184 Dated: 22-10-21

Your Ref. No. 549 Dated: 07-10-21

Test Specification

BS 1881-116)

COMPRESSION TEST REPORT



Specimens received on: 14-10-21 Tested on: 15-10-21 in dry/wet condition

Sr. No.	Mark*			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		27	9	21	6x6x6		9	36	80	4978		Non Engraved
2												
3			-									
4		ł	I									
5		-	1								-	
6		-	1								-	
7		ł	1	-							-	
8			1	-								
9		ł	ł	-								
10		-	1								-	
11		-	1								-	
12												
13			-									
14		-	1								-	
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 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.



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2091 Dr. M. Yousaf

To: Sub Divisional Officer

Public Health Engg: Sub Division Phoolnager.

Project: Construction/Reconnection & Laying of PCC, Drains, Culverts, Brick Pavements, Sullage Carries

and Repair/Carpeting of Metalled Etc. Phoolnager City, Tehsil Pattoki, District Kasur.

Our Ref. No. CL/CED/ 6185 Dated: 22-10-21

Your Ref. No. 547 Dated: 07-10-21

Test Specification

BS 1881-116)

COMPRESSION TEST REPORT

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

Specimens received on: 14-10-21 Tested on: 15-10-21 in dry/wet condition

Sr. No.	Mark*			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		28	9	21	6x6x6		8.4	36	58	3609		Non Engraved
2												
3												
4												
5		I										
6		ł										
7		-		-								
8												
9		I										
10		ł										
11		ł										
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 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.



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> 2082 Dr. Umbreen

Test Specification

(ASTM C39)

To: Engr. Muhammad Ehsan, Project Director

Elite Engineering (Pvt.) Ltd.

Specimens received on:

Project: Sitara Heights 3-Jays Tower, Gulberg-III, Lahore.

Our Ref. No. CL/CED/ 6186 Dated: 22-10-21 Your Ref. No. EEPL/SH/001/009 Dated: 13-10-21

COMPRESSION TEST REPORT

Concrete Cubes/Concrete Cylinders/Bricks/Cores/Tuff Tiles/Pavers 13-10-21 Tested on:

Area of Ultimate Ultimate Wet Dry Water Casting Date* Size Sr. No. Mark* Weight Weight X-Section Stress load Absorpti Remarks on (%) DD MM YYYY (in) (Kg/ gms) (Kg/ gms) (Sq. in) (Imp.Tons) (psi) 4000 Psi 15 9 21 6Diax12 14.2 28.28 6099 Non Engraved 1 77 4000 Psi 15 6Diax12 28.28 6574 2 9 Non Engraved 3 15 4000 Psi 9 21 6Diax12 14.4 28.28 86 6812 Non Engraved 6000 Psi 28.28 4 15 9 21 6Diax12 14 104 8238 Non Engraved 5 6000 Psi 15 9 21 6Diax12 14 28.28 108 8554 Non Engraved 6 6000 Psi 15 9 21 6Diax12 28.28 104 8238 Non Engraved 14 7 8 ---------9 10 11 12 13

18-10-21

in dry/wet condition

Witnessed by: M. Fayyaz Rasul, CNIC # 35202-8748064-5

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

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

14

15

16

- 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

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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2095 Engr. Ubaid

To: (Engr. Abdul Sattar Ghafeel)

SNK-Constructions. Suit # 1, 475-G Johar Town, Opp. Lacas School, Lahore.

Project: Main Gate for Aghaaz Housing at Piplan District Mianwali.

Our Ref. No. CL/CED/ 6187 Dated: 22-10-21

Your Ref. No. Nil Dated: 13-10-21

Test Specification



COMPRESSION TEST REPORT

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

Specimens received on: 14-10-21 Tested on: 22-10-21 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	5	1	ł	1	8.5 x 4.1 x 2.7	3130	2710	34.85	35	2250	15.5	
2	5	1	-		8.6 x 4.1 x 2.8	3150	2660	35.26	25	1588	18.42	
3	5	-	-		8.8 x 4.2 x 2.9	3180	2690	36.96	12	727	18.22	
4	5	-			8.6 x 4.1 x 2.6	2940	2485	35.26	16	1016	18.31	
5	5	-	I		8.6 x 4 x 2.6	3070	2645	34.4	23	1498	16.07	
6		ł	ł	-					-	I		
7		I	1	1						I		
8		1	-	-								
9		-										
10		-										
11		-										
12		-	-									
13		-	-									
14												
15												
16												

Witnessed by:

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

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- 2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
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1984 Dr. M. Yousaf

Test Specification

To: Muhammad Atif Mujahid, Project Engineer

IIW-Industrial Engineers and Contractors. (Client: PSO Company Limited).

Project: Construction of 02 No's Petroleum Storage Tanks With Allied Works at PSO Machike Terminal.

Our Ref. No. CL/CED/ 6188 Dated: 22-10-21

Your Ref. No. Nil Dated: 27-09-21

(BS 3921**)

ONLINE REPORT

COMPRESSION TEST REPORT

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

Specimens received on: 28-09-21 Tested on: 22-10-21 in dry/wet condition

Sr. No.	Mark*		Ū	Date*	Size	Wet Weight		Area of X-Section	load	Ultimate Stress	Water Absorpti on (%)	Remarks
		DD	ММ	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	011 (70)	
1	FB				9 x 4 x 2.7	3297	2965	36	52	3236	11.2	
2	FB				9 x 4 x 2.7	3226	2890	36	52	3236	11.63	
3	FB				8.4 x 4.1 x 2.8	3204	2885	34.44	53	3447	11.06	
4	FB				8.3 x 4 x 2.8	3292	2970	33.2	57	3846	10.84	
5	FB				8.4 x 4 x 2.9	3271	2950	33.6	60	4000	10.88	
6				-								
7				-								
8												
9												
10				-								
11				-								
12				-								
13												
14												
15												
16												
Mitnooo							· · · · · · · · · · · · · · · · · · ·	· ·		· · · · · · · · · · · · · · · · · · ·		

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 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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1984 Dr. M. Yousaf

To: Muhammad Atif Mujahid, Project Engineer

IIW-Industrial Engineers and Contractors. (Client: PSO Company Limited).

Project: Construction of 02 No's Petroleum Storage Tanks With Allied Works at PSO Machike Terminal.

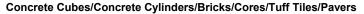
Our Ref. No. CL/CED/ 6189 Dated: 22-10-21

Your Ref. No. Nil Dated: 27-09-21

Test Specification

(BS 3921**)

COMPRESSION TEST REPORT



Specimens received on: 28-09-21 Tested on: 22-10-21 in dry/wet condition

Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section		Ultimate Stress	Water Absorpti	Remarks
		DD	ММ	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	555				8.7 x 4.1 x 2.8	3360	3019	35.67	30	1884	11.3	
2	555				8.8 x 4.2 x 2.8	3406	3048	36.96	40	2424	11.75	
3	555				8.7 x 4.2 x 2.9	3474	3108	36.54	35	2146	11.78	
4	555				8.8 x 4.1 x 2.8	3530	3168	36.08	50	3104	11.43	
5	555				8.8 x 4.2 x 2.9	3540	3189	36.96	52	3152	11.01	
6												
7												
8					-							
9					-							
10												
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 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.



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1984 Dr. M. Yousaf

To: Muhammad Atif Mujahid, Project Engineer

IIW-Industrial Engineers and Contractors. (Client: PSO Company Limited).

Project: Construction of 02 No's Petroleum Storage Tanks With Allied Works at PSO Machike Terminal.

Our Ref. No. CL/CED/ 6190 Dated: 22-10-21

Your Ref. No. Nil Dated: 27-09-21

Test Specification

(BS 3921**)

COMPRESSION TEST REPORT

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

Specimens received on: 28-09-21 Tested on: 22-10-21 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	Н				8.7 x 4.2 x 2.8	3351	3030	36.54	47	2881	10.59	
2	Н			1	8.8 x 4.2 x 2.8	3478	3140	36.96	38	2303	10.76	
3	Н			1	8.9 x 4.2 x 2.9	3497	3168	37.38	35	2097	10.39	
4	Н	ł		-	8.8 x 4.2 x 2.8	3347	3025	36.96	35	2121	10.64	
5	Н	ł		-	8.7 x 4.2 x 2.7	3309	2980	36.54	45	2759	11.04	
6		ł		-					-	I		
7		-		1						I		
8				1								
9				-								
10		ł		-						-		
11		ł		-					-	I		
12		ł		-						I		
13												
14		I		-						-		
15		I								-		
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 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.



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1984 Dr. Mazhar

Test Specification

To: Muhammad Atif Mujahid, Project Engineer

IIW-Industrial Engineers and Contractors. (Client: PSO Company Limited).

Project: Construction of 02 No's Petroleum Storage Tanks With Allied Works at PSO Machike Terminal.

Our Ref. No. CL/CED/ 6191 Dated: 22-10-21

Your Ref. No. Nil Dated: 27-09-21

ONLINE REPORT

COMPRESSION TEST REPORT

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

Specimens received on: 28-09-21 Tested on: 06-10-21 in dry/wet condition

Sr. No.	Mark*		Date*	Size (in)	Wet Weight	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	Solid Block			11.9x5.9x8		18.2	70.21	92	2935		
- 1	Solid Block		 	11.933.930		10.2	70.21	92	2935		
2	Solid Block		 	11.9x5.9x8		20	70.21	33	1053		
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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 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
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the report has
been retained in
the lab for record

2044 Dr. Umbreen

Test Specification

To: Abdul Ghafar, Project Manager

Liberty Builders. 17-A, Cooper Road, Lahore.

Project: Construction of Zee Avenue-Ramada Hotel & Suites 17-A Cooper Road, Lahore.

Our Ref. No. CL/CED/ 6192 Dated: 22-10-21

Your Ref. No. CBT/UET/2021006 Dated: 06-10-21

COMPRESSION TEST REPORT

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

Specimens received on: 06-10-21 Tested on: 12-10-21 in dry/wet condition

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Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section		Ultimate Stress	Water Absorpti	Remarks
		DD	мм	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	Solid Block (16)				11.9x4.0x8.0		14	47.6	57	2682		
2	Solid Block (17)				12.0x4.0x8.0		14.2	48	47	2193		
3	Solid Block (18)				11.9x4.0x8.0		14	47.6	45	2118		
4	Solid Block (19)				11.9x6.0x8.0		19.4	71.4	65	2039		
5	Solid Block (20)				12.0x6.0x8.0		19	72	47	1462		
6	Solid Block (21)				12.0x6.0x8.0		20	72	59	1836		
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Witnessed by: Mr. Bilal Ashraf CNIC # 34104-41417541

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 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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the lab for record

2054 Dr. Umbreen

Test Specification

To: Abdul Ghafar, Project Manager

Liberty Builders. 17-A, Cooper Road, Lahore.

Project: Construction of Zee Avenue-Ramada Hotel & Suites 17-A Cooper Road, Lahore.

Our Ref. No. CL/CED/ 6193 Dated: 22-10-21

Your Ref. No. CBT/UET/2021006-A Dated: 06-10-21

COMPRESSION TEST REPORT

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

Specimens received on: 07-10-21 Tested on: 12-10-21 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	Solid Block (25)				11.9x4.0x8.0		14	47.6	43	2024		
2	Solid Block (26)				11.9x4.0x8.0		14	48	35	1633		
3	Solid Block (27)				11.9x4.0x8.0		14	47.6	41	1929		
4	Solid Block (28)				11.9x6.0x8.0		20	71.4	65	2039		
5	Solid Block (29)				11.9x5.9x8.0		18.8	70.21	47	1500		
6	Solid Block (30)				11.9x6.0x8.0		19	71.4	61	1914		
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Witnessed by: Mr. Bilal Ashraf CNIC # 34104-41417541

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

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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

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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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2072 Dr. Mazhar

Test Specification

(ASTM C39)

To: (Adal Imtiaz) Assistant Director

Fazaia Housing Scheme Phase-II Sharif City Road, Lahore.

Project: Central Mosque at Fazaia Housing Scheme Phase-II, Lahore.

Our Ref. No. CL/CED/ 6194 Dated: 22-10-21

Your Ref. No. FHSL-II/5811/1/Org (CA-12) Dated: 14-09-21

COMPRESSION TEST REPORT



Specimens received on: 11-10-21 Tested on: 13-10-21 in dry/wet condition

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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)		on (%)	
1	Class-B (1:2:4) OHWT	20	8	21	6Diax12		13.8	28.28	43	3406		Engraved
2	Class-B (1:2:4) OHWT	20	8	21	6Diax12		13.6	28.28	51	4040		Engraved
3	Class-B (1:2:4) OHWT	20	8	21	6Diax12		13.2	28.28	29	2297		Engraved
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Witness	ed 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 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.



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2088 Dr. M. Yousaf

Test Specification

(ASTM C39)

To: (Adal Imtiaz) Assistant Director

Fazaia Housing Scheme Phase-II Sharif City Road, Lahore.

Project: Central Mosque at Fazaia Housing Scheme Phase-II, Lahore. (High Level Minaret).

Our Ref. No. CL/CED/ 6195 Dated: 22-10

Your Ref. No. FHSL-II/5811/1/Org (CA-12) Dated: 11-10-21

COMPRESSION TEST REPORT

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

Specimens received on: 13-10-21 Tested on: 15-10-21 in dry/wet condition

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Sr. No.	Mark*	Casting Date*			Size	Wet Weight	Dry Weight	Area of X-Section		Ultimate Stress	Water Absorpti	Remarks
		DD	мм	YYYY	(in)	(Kg/ gms)	(Kg/ gms)		(Imp.Tons)		on (%)	
1	Class-B(1:2:4) Both MB-1(Part-A)	26	9	21	6Diax12		13.2	28.28	51	4040		Engraved
2	Class-B(1:2:4) Both MB-1(Part-A)	26	9	21	6Diax12		13	28.28	56	4436		Engraved
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4		ł	ł						I			
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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 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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2090 Dr. Umbreen

To: Ali Haider, Assistant Quantity Surveyor Banu Mukhtar Contracting Pvt. Limited.

Project: Naveena Export (Pvt.) Ltd.

Our Ref. No. CL/CED/ 6196 Dated: 22-10-21

Your Ref. No. BM/Naveena Export/005 Dated: 12-10-21

Test Specification

BS 1881-116)

COMPRESSION TEST REPORT

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

Specimens received on: 13-10-21 Tested on: 18-10-21 in dry/wet condition

Sr. No.	Mark*		Ū	Date*	Size (in)	Wet Weight	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)		Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	Column (4500 Psi)	8	9	21	6x6x6	(Kg/ gills)	8.8	36	102	(psi) 6347		Non Engraved
- '	Column (4500 FSI)	L	3	41	0,000		0.0	36	102	0347		Non Engraveu
2	Column (4500 Psi)	8	9	21	6x6x6		9	36	104	6471		Non Engraved
3	Column (4500 Psi)	8	9	21	6x6x6		8.8	36	86	5351		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)
- 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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2092 Dr. M. Yousaf

To: Sub Divisional Officer

Public Health Engineering Sub Division Kasur. (M/S Shan Const. Co.)

Project: Rural PCC & Brick Pavement & Drainage Scheme Basti Sindhyan and Adjoining Abadies, District

Kasur.

Our Ref. No. CL/CED/ 6197 Dated: 22-10-24

Your Ref. No. 1360 Dated: 12-10-21

Test Specification

BS 1881-116)

COMPRESSION TEST REPORT

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

Specimens received on: 14-10-21 Tested on: 15-10-21 in dry/wet condition

Mark*				Size (in)	Wet Weight (Kg/ gms)			load	Stress	Water Absorpti on (%)	Remarks
PCC (1:2:4)	18	9	21	6x6x6		8.6	36	46	2862		Non Engraved
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	PCC (1:2:4)	Mark* DD PCC (1:2:4) 18	Mark* DD MM PCC (1:2:4) 18 9	DD MM YYYY PCC (1:2:4) 18 9 21	Mark* DD MM YYYY (in) PCC (1:2:4) 18 9 21 6x6x6	Mark*	Mark* Casting Date* Size Weight Weight PCC (1:2:4) 18 9 21 6x6x6 8.6 <td>Mark* Casting Date* Size Weight Weight (Kg/ gms) X-Section (Sq. in) PCC (1:2:4) 18 9 21 6x6x6 8.6 36 </td> <td>Mark*</td> <td>Mark* Casting Date* Size Weight (Kg/ gms) Weight (Kg/ gms) X-Section (load (Sq. in)) Stress (psi) PCC (1:2:4) 18 9 21 6x6x6 8.6 36 46 2862 <td< td=""><td>Mark* Casting Date* DD MM YYYY Size weight (kg/gms) Weight (kg/gms) X-Section (kg/ ms) load (lmp.Tons) Stress (psi) on (%) PCC (1:2:4) 18 9 21 6x6x6 8.6 36 46 2862 </td></td<></td>	Mark* Casting Date* Size Weight Weight (Kg/ gms) X-Section (Sq. in) PCC (1:2:4) 18 9 21 6x6x6 8.6 36	Mark*	Mark* Casting Date* Size Weight (Kg/ gms) Weight (Kg/ gms) X-Section (load (Sq. in)) Stress (psi) PCC (1:2:4) 18 9 21 6x6x6 8.6 36 46 2862 <td< td=""><td>Mark* Casting Date* DD MM YYYY Size weight (kg/gms) Weight (kg/gms) X-Section (kg/ ms) load (lmp.Tons) Stress (psi) on (%) PCC (1:2:4) 18 9 21 6x6x6 8.6 36 46 2862 </td></td<>	Mark* Casting Date* DD MM YYYY Size weight (kg/gms) Weight (kg/gms) X-Section (kg/ ms) load (lmp.Tons) Stress (psi) on (%) PCC (1:2:4) 18 9 21 6x6x6 8.6 36 46 2862

Witnessed by:

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

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- 2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
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2113 Dr. Umbreen

To: Construction Manager

Tameer Construction (Pvt.) Ltd.

Project: Pell Unit-II

 Our Ref. No. CL/CED/
 6198
 Dated:
 22-10-21
 Test Specification

 Your Ref. No.
 Nil
 Dated:
 18-10-21
 (BS 3921**)

COMPRESSION TEST REPORT

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

Specimens received on: 18-10-21 Tested on: 22-10-21 in dry/wet condition

Sr. No. Mark*		Casting Date*		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	F-16				8.6 x 4.1 x 2.8		3035	35.26	23	1461		
2	F-16				8.6 x 4.2 x 2.7		3075	36.12	39	2419		
3	F-16				8.6 x 4.2 x 2.8		2980	36.12	49	3039		
4	F-16				8.7 x 4.2 x 2.8		3090	36.54	37	2268		
5	s				8.3 x 4.2 x 2.6		3075	34.86	43	2763		
6	s				8.8 x 4.1 x 2.9		3305	36.08	49	3042		
7	s				8.7 x 4.3 x 2.9		3415	37.41	39	2335		
8	s				8.6 x 4.3 x 2.8		3428	36.98	45	2726		
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Withough by												

Witnessed by:

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

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- 2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
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2073 Engr. Ubaid

Test Specification

To: Z.H.Kazmi, Principal Architect

Z.H. Kazmi & Associates, Liberty Market, Gulberg-III, Lahore.

Project: Construction of New Godowns/Sheds & Pavements) at Bank Owned Warehouse Munirabad, Multan.

Our Ref. No. CL/CED/ 6199 Dated: 22-10-21

Your Ref. No. Nil Dated: 11-10-21

COMPRESSION TEST REPORT

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

Specimens received on: 11-10-21 Tested on: 13-10-21 in dry/wet condition

Sr. No. Mark*	Casting Date*		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 (%)	
Rectangular, 60mm, Grev				7.8x3.8x2.3		2560	29.64	100	7557		
				7.8x3.8x2.3		2620	29.64	91	6877		
Rectangular, 60mm. Grev				7.8x3.8x2.3		2615	29.64	79	5970		
				7.8x3.8x3.1		3540	29.64	62	4686		
Rectangular, 80mm. Grev				7.8x3.8x3.1		3490	29.64	58	4383		
	Rectangular, 60mm. Grev Rectangular, 60mm. Grev Rectangular, 60mm. Grev Rectangular, 80mm. Grev Rectangular, 80mm. Grev	Mark* DD Rectangular, 60mm. Grev Rectangular, 60mm. Grev Rectangular, 60mm. Grev Rectangular, 80mm. Grev Rectangular, 80mm. Grev	Mark* DD MM Rectangular, 60mm Grev Rectangular, 60mm Grev Rectangular, 60mm Grev Rectangular, 80mm Grev Rectangular, 80mm Grev	Mark* DD MM YYYY Rectangular, 60mm. Grev Rectangular, 60mm. Grev Rectangular, 60mm. Grev Rectangular, 80mm. Grev Rectangular, 80mm. Grev	Mark* DD MM YYYY (in) Rectangular, 60mm. Grev Rectangular, 60mm. Grev Rectangular, 60mm. Grev Rectangular, 60mm. Grev Rectangular, 80mm. Grev	Mark* Casting Date* Size Weight DD MM YYYY (in) (Kg/ gms) Rectangular, 60mm. Grev 7.8x3.8x2.3 Rectangular, 60mm. Grev 7.8x3.8x2.3 Rectangular, 80mm. Grev 7.8x3.8x3.1 Rectangular, 80mm. Grev 7.8x3.8x3.1	Mark* Casting Date* Size Weight Weight Rectangular, 60mm. Grev Rectangular, 60mm. Grev Rectangular, 60mm. Grev Rectangular, 80mm. Grev Rectangu	Mark* Casting Date* Size Weight Weight Weight Weight X-Section (Kg/ gms) (Kg/ gms) (Kg/ gms) (Sq. in)	Mark* Casting Date* Size Weight W	Mark* Casting Date* Size Weight Weight Weight X-Section load Stress Stres	Mark* Casting Date* Size Weight Weight Weight Weight Weight Water X-Section load Stress Absorption (%)

Witnessed by:

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

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