

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

the report has been retained in the lab for record.

> 6384 Dr. Umbreen

To: Engr. Haseeb Afzal

Project Manager, HMB Developers Pvt. Ltd.

Project: Construction of Commercial Tower, Finance Trade Centre Lahore. (Retaining Wall N'-G/4')

Our Ref. No. CL/CED/ 3730 Dated: 15/12/2023 <u>Test Specification</u>

Your Ref. No. HMBDPL/S.O/12/23/82th (LHR) Dated: 14/12/2023 (ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 14/12/2023 Tested on: 15/12/2023 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	CT-61 (3500 Psi)	16	11	2023	6Diax12		13.6	28.28	54	4277		Non Engraved
2	CT-61 (3500 Psi)	16	11	2023	6Diax12		13.4	28.28	48	3802		Non Engraved
3	CT-61 (3500 Psi)	16	11	2023	6Diax12		13.8	28.28	54	4277		Non Engraved
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16										-		
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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Dr. Umbreen

To: Engr. Haseeb Afzal

Project Manager, HMB Developers Pvt. Ltd.

Project: Construction of Commercial Tower, Finance Trade Centre Lahore (B1 Columns N, M, J, H/1, H, G/4, N,

C, A/2 A1/2' & GB Lift J-M/1-2)

Our Ref. No. CL/CED/ 3731 Dated: 15/12/2023 <u>Test Specification</u>

Your Ref. No. HMBDPL/S.O/12/23/83th (LHR) Dated: 15/12/2023 (ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 15/12/2023 Tested on: 15/12/2023 in dry/wet condition



Sr. No.	Sr. No. Mark*		Casting 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	CT-60 (6000 Psi)	16	11	2023	6Diax12		14.2	28.28	95	7525		Non Engraved
2	CT-60 (6000 Psi)	16	11	2023	6Diax12		13.6	28.28	89	7050		Non Engraved
3	CT-60 (6000 Psi)	16	11	2023	6Diax12		13.2	28.28	87	6891		Non Engraved
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Witnessed by: Mr. Ghulam Nabi

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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6365 Dr. Umbreen

Test Specification

To: Sub Divisional Officer

Buildings Sub Division No. 15, Lahore

Project: Construction of Bachelor Accommodation and Judicial Rest House at Dharampura District, Lahore.

(Columns of Nine Floor Bachelor Block)

Our Ref. No. CL/CED/ 3732 Dated:

Your Ref. No. No. 4183 Dated: 11-12-23 (ASTM C39)

15/12/2023

COMPRESSION TEST REPORT

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

Specimens received on: 11-12-23 Tested on: 15/12/2023 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	5000 Psi	7	11	2023	6Diax12		14	28.28	89	7050		Non Engraved
2	5000 Psi	7	11	2023	6Diax12		14	28.28	88	6970		Non Engraved
3	5000 Psi	7	11	2023	6Diax12		13.4	28.28	95	7525		Non Engraved
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Witness	sed by:				<u> </u>							

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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6365 Dr. Umbreen

To: Sub Divisional Officer

Buildings Sub Division No. 15, Lahore

Project: Construction of Bachelor Accommodation and Judicial Rest House at Dharampura District, Lahore.

(Shear Wall of Nine Floor Bachelor Block)

Our Ref. No. CL/CED/ 3733

Dated: 15/12/2023

Test Specification
(ASTM C39)

Your Ref. No. No. 4181 Dated: 11-12-23

COMPRESSION TEST REPORT

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

Specimens received on: 11-12-23 Tested on: 15/12/2023 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	5000 Psi	7	11	2023	6Diax12		13	28.28	97	7683		Non Engraved
2	5000 Psi	7	11	2023	6Diax12		14.2	28.28	84	6653		Non Engraved
3	5000 Psi	7	11	2023	6Diax12		13	28.28	83	6574		Non Engraved
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Witnessed by:

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- 1. * as engraved on the specimens (if any)
- 2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
- 3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
- 4. **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as compressive strength

- 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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> 6373 Dr. Umbreen

To: Mr. Hafiz Muhammad Javed

Manager Civil, SUNSHINE BY STYLERS INTERNATIONAL

Project: SUNSHINE BY STYLERS

Our Ref. No. CL/CED/ 3734 Dated: 15/12/2023 <u>Test Specification</u>

Your Ref. No. SPS/BML/015/2023 Dated: 12-12-23 (ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 12/12/2023 Tested on: 15/12/2023 in 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	3500 Psi (P4, P5, P6)	14	11	2023	6Diax12		14	28.28	92	7287	-	Non Engraved
2	3500 Psi (P4, P5, P6)	14	11	2023	6Diax12		14	28.28	95	7525		Non Engraved
3	3500 Psi (P4, P5, P6)	14	11	2023	6Diax12		13.8	28.28	103	8158		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)
- 2. The test results are recommended to be interpreted in the light of above factors by the engineer.



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> 6372 Dr. Umbreen

Test Specification

(BS 1881-116)

To: HSM ENGINEERING

Beside Punjab Industrial Estate #4, Bhanpur Gujranwala, Pakistan.

Project: Construction of Record Room at Attock Petroleum Ltd Muridke Sheikhupura.

Our Ref. No. CL/CED/ 3735 Dated: 15/12/2023

Your Ref. No. Nil Dated: 12-12-23

COMPRESSION TEST REPORT

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

Specimens received on: 12/12/2023 Tested on: 15/12/2023 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	Col. Upto Plinth (3500 Psi)	20	10	2023	6x6x6		9	36	64	3982		Non Engraved
2	Col. Upto Plinth (3500 Psi)	20	10	2023	6x6x6		8.6	36	64	3982		Non Engraved
3	Col. Upto Plinth (3500 Psi)	20	10	2023	6x6x6		8.8	36	54	3360		Non Engraved
4	Col. Upto Plinth (3500 Psi)	24	10	2023	6x6x6		8.4	36	68	4231		Non Engraved
5	Col. Upto Plinth (3500 Psi)	24	10	2023	6x6x6		8.8	36	64	3982		Non Engraved
6	Col. Upto Plinth (3500 Psi)	24	10	2023	6x6x6		8.8	36	73	4542		Non Engraved
7	Col. Above Plinth (3500 Psi)	15	11	2023	6x6x6		8.6	36	64	3982		Engraved
8	Col. Above Plinth (3500 Psi)	15	11	2023	6x6x6		8.4	36	53	3298		Engraved
9	Col. Above Plinth (3500 Psi)	15	11	2023	6x6x6		8.4	36	58	3609		Engraved
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Witness	sed 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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> 6385 Dr. Umbreen

To: Chen Dianbo

Chief Operation Officer, SUNWALK Optical Fiber Network (Private) Limited

Project: Link 18 (FSD-MLT) Against 555 KM Project.

Our Ref. No. CL/CED/ 3736 Dated: 15/12/2023 **Test Specification** (BS 1881-116)

Your Ref. No. SOFN/09/CUBE/UET Dated: 05-12-23

COMPRESSION TEST REPORT

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

14/12/2023 Tested on: Specimens received on: 15/12/2023 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		8	12	2023	6 x 5.4 x 6		6.2	32.4	21	1452		Non Engraved
2		8	12	2023	6 x 5.2 x 6		6.6	31.2	17	1221		Non Engraved
3		1	12	2023	6 x 5.4 x 6		6.8	32.4	18	1244		Non Engraved
4		1	12	2023	6 x 5.4 x 6	/	6.8	32.4	15	1037		Non Engraved
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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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> 6348 Dr. Umbreen

To: Sub Divisional Officer

Buildings Sub Division, Nankana Sahib

Project: Construction of PHP Post Zafar Ullah District Nankana Sahib

Our Ref. No. CL/CED/ 3737 Dated: 15/12/2023 <u>Test Specification</u>

Your Ref. No. 1156/SDO/BSD/NNS Dated: 22/9/2023

COMPRESSION TEST REPORT

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

Specimens received on: 07-12-23 Tested on: 15/12/2023 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	СМ				8.6 x 4.2 x 3		3035	36.12	34	2109		
2	СМ				8.6 x 4.2 x 3		2975	36.12	30	1860		
3	СМ				8.6 x 4.2 x 3		3030	36.12	28	1736		
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16										-	-	
Witness	sed 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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> 6334 Dr. Umbreen

To: Engr. Hassan Mahmood

Resident Engineer, G3 Engineering Consultants (Pvt) Ltd

Project: Construction of DHA Newlife Residency Apartments at 273/1 Q Block Phase-II DHA, Lahore.

Our Ref. No. CL/CED/ 3738 Dated: 15/12/2023 <u>Test Specification</u>

Your Ref. No. G3/DHA-NLD/RE/204 Dated: 04-12-23 (BS 3921**)

COMPRESSION TEST REPORT

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

Specimens received on: 05-12-23 Tested on: 15/12/2023 in dry/wet condition



Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight			Ultimate Stress	Absorpti	Remarks
	DD	ММ	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
86				9 x 4.3 x 3.1	3945	3495	38.7	68	3936	12.88	
86				8.7 x 4.3 x 3	3925	3510	37.41	49	2934	11.82	
86				8.8 x 4.3 x 3	3820	3485	37.84	50	2960	9.61	
86				8.9 x 4.3 x 3.1	3880	3480	38.27	74	4331	11.49	
86				8.8 x 4.3 x 3.1	3920	3545	37.84	54	3197	10.58	
86				8.7 x 4.3 x 3	3760	3415	37.41	58	3473	10.1	
86				8.7 x 4.3 x 3	3870	3435	37.41	55	3293	12.66	
86				8.8 x 4.2 x 3	3935	3415	36.96	50	3030	15.23	
86				8.8 x 4.3 x 3	3785	3460	37.84	48	2841	9.39	
86				8.9 x 4.3 x 3.1	3915	3445	38.27	50	2927	13.64	
	86 86 86 86 86 86 86 86 86 	Mark* DD 86 86 86 86 86 86 86	Mark* DD MM 86 86 86 86 86 86 86 86	B6	Mark* DD MM YYYY (in) 86 9 x 4.3 x 3.1 86 8.7 x 4.3 x 3 86 8.9 x 4.3 x 3.1 86 8.9 x 4.3 x 3.1 86 8.8 x 4.3 x 3.1 86 8.7 x 4.3 x 3 86 8.7 x 4.3 x 3 86 8.8 x 4.2 x 3 86 8.8 x 4.2 x 3 86 8.8 x 4.3 x 3.1 8.9 x 4.3 x 3.1 8.9 x 4.3 x 3.1	Mark* DD MM YYYY (in) (Kg/gms) 86 9 x 4.3 x 3.1 3945 86 8.7 x 4.3 x 3 3925 86 8.9 x 4.3 x 3.1 3880 86 8.8 x 4.3 x 3.1 3880 86 8.8 x 4.3 x 3.1 3920 86 8.7 x 4.3 x 3 3760 86 8.7 x 4.3 x 3 3760 86 8.8 x 4.2 x 3 3935 86 8.8 x 4.2 x 3 3935 86 8.8 x 4.3 x 3 3785 86 8.9 x 4.3 x 3.1 3915	Mark* Casting Date* Size Weight (Kg/ gms) (Kg/ gms) Weight (Kg/ gms) 86 9 x 4.3 x 3.1 3945 3495 86 8.7 x 4.3 x 3 3925 3510 86 8.8 x 4.3 x 3 3820 3485 86 8.9 x 4.3 x 3.1 3980 3480 86 8.8 x 4.3 x 3.1 3920 3545 86 8.7 x 4.3 x 3 3760 3415 86 8.8 x 4.3 x 3 3870 3435 86 8.8 x 4.2 x 3 3935 3415 86 8.8 x 4.3 x 3.1 3915 3445 8.9 x 4.3 x 3.1 3915 3445	Casting Date* Size Weight X-Section DD MM YYYY (in) (Kg/gms) X-Section 86 9 x 4.3 x 3.1 3945 3495 38.7 86 8.7 x 4.3 x 3 3925 3510 37.41 86 8.8 x 4.3 x 3.1 3820 3485 37.84 86 8.8 x 4.3 x 3.1 3920 3545 37.84 86 8.7 x 4.3 x 3 3760 3415 37.41 86 8.7 x 4.3 x 3 3870 3435 37.41 86 8.8 x 4.2 x 3 3935 3415 36.96 86 8.8 x 4.3 x 3.1 3915 3445 38.27 8.8 x 4.3 x 3.3 3785 3460 37.84 86 8.9 x 4.3 x 3.1	Mark* Casting Date* Size Weight (Kg/ gms) Weight (Kg/ gms) X-Section (Imp.Tons) 86 9 x 4.3 x 3.1 3945 3495 38.7 68 86 8.7 x 4.3 x 3 3925 3510 37.41 49 86 8.8 x 4.3 x 3 3820 3485 37.84 50 86 8.9 x 4.3 x 3.1 3880 3480 38.27 74 86 8.8 x 4.3 x 3.1 3920 3545 37.84 54 86 8.7 x 4.3 x 3 3760 3415 37.41 58 86 8.8 x 4.2 x 3 3935 3415 37.41 55 86 8.8 x 4.2 x 3 3935 3415 36.96 50 86 8.8 x 4.3 x 3.1 3915 3445 38.27 50 </td <td>Mark* Casting Date* Size Weight (Kg/gms) Weight (Kg/gms) X-Section (Sq. in) load (Imp.Tons) Stress (psi) 86 9 x 4.3 x 3.1 3945 3495 38.7 68 3936 86 8.7 x 4.3 x 3 3925 3510 37.41 49 2934 86 8.8 x 4.3 x 3.1 3820 3485 37.84 50 2960 86 8.9 x 4.3 x 3.1 3880 3480 38.27 74 4331 86 8.8 x 4.3 x 3.1 3920 3545 37.84 54 3197 86 8.7 x 4.3 x 3 3760 3415 37.41 58 3473 86 8.7 x 4.3 x 3 3870 3435 37.41 55 3293 86 8.8 x 4.3 x 3 3785 3460 37.84 48 2841</td> <td>Mark* Casting Date Size Weight (Kg/gms) (Kg/gms) (Kg/gms) X-Section (Imp.Tons) (psi) Absorpti on (%) 86 9 x 4.3 x 3.1 3945 3495 38.7 68 3936 12.88 86 8.7 x 4.3 x 3 3925 3510 37.41 49 2934 11.82 86 8.8 x 4.3 x 3.1 3820 3485 37.84 50 2960 9.61 86 8.9 x 4.3 x 3.1 3880 3480 38.27 74 4331 11.49 86 8.8 x 4.3 x 3.1 3920 3545 37.84 54 3197 10.58 86 8.7 x 4.3 x 3 3760 3415 37.41 58 3473 10.1 86 8.7 x 4.3 x 3 3870 3435 37.41 55 3293 12.66 86 8.8 x 4.2 x 3 <</td>	Mark* Casting Date* Size Weight (Kg/gms) Weight (Kg/gms) X-Section (Sq. in) load (Imp.Tons) Stress (psi) 86 9 x 4.3 x 3.1 3945 3495 38.7 68 3936 86 8.7 x 4.3 x 3 3925 3510 37.41 49 2934 86 8.8 x 4.3 x 3.1 3820 3485 37.84 50 2960 86 8.9 x 4.3 x 3.1 3880 3480 38.27 74 4331 86 8.8 x 4.3 x 3.1 3920 3545 37.84 54 3197 86 8.7 x 4.3 x 3 3760 3415 37.41 58 3473 86 8.7 x 4.3 x 3 3870 3435 37.41 55 3293 86 8.8 x 4.3 x 3 3785 3460 37.84 48 2841	Mark* Casting Date Size Weight (Kg/gms) (Kg/gms) (Kg/gms) X-Section (Imp.Tons) (psi) Absorpti on (%) 86 9 x 4.3 x 3.1 3945 3495 38.7 68 3936 12.88 86 8.7 x 4.3 x 3 3925 3510 37.41 49 2934 11.82 86 8.8 x 4.3 x 3.1 3820 3485 37.84 50 2960 9.61 86 8.9 x 4.3 x 3.1 3880 3480 38.27 74 4331 11.49 86 8.8 x 4.3 x 3.1 3920 3545 37.84 54 3197 10.58 86 8.7 x 4.3 x 3 3760 3415 37.41 58 3473 10.1 86 8.7 x 4.3 x 3 3870 3435 37.41 55 3293 12.66 86 8.8 x 4.2 x 3 <

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 A carbon copy for the report has been retained in

the lab for record. 6352

Dr. Umbreen

To: Engr. Nouman Qamar

Resident Engineer, AZEA, Narowal.

Project: Widening / Improvement of Road from Sialkot Cantt to Jassar Garrison Length = 69.00 KM, in District

Our Ref. No. CL/CED/ 3739 Dated: 15/12/2023 **Test Specification**

Your Ref. No. AZ/RE/SNR/53 Dated: 30-11-23

COMPRESSION TEST REPORT

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

Specimens received on: 07-12-23 Tested on: 15/12/2023 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				8.6 x 4.2 x 2.6	3045	2530	36.12	54	3349	20.36	
2	Machine Made Double Line				8.2 x 4.1 x 2.4	2765	2315	33.62	34	2265	19.44	
3	Machine Made Double Line				8.3 x 4.2 x 2.6	2795	2395	34.86	30	1928	16.7	
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Witness	sed 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
A carbon copy for

the report has been retained in the lab for record.

6390 Dr. Umbreen

To: Mr. Saeed Ahmad

ARE, Punjab Cities Program Package-V, Khanewal

Project: Widening / Raising and Improvement of Existing 2 Roads Including Installation of Street Lights in

Khanewal City. (Old Karkhana Road)

Our Ref. No. CL/CED/ 3740 Dated: 15/12/2023 <u>Test Specification</u>

Your Ref. No. PCP/KW-83/2023 Dated: 13/12/2023

COMPRESSION TEST REPORT

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

Specimens received on: 15/12/2023 Tested on: 15/12/2023 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	Rectangular, Grey, 80mm				7.8 x 3.8 x 3.2		3770	29.64	106	8011		
2	Rectangular, Grey, 80mm	1	-		7.8 x 3.8 x 3.2		3755	29.64	98	7406		
3	Rectangular, Grey, 80mm				7.8 x 3.8 x 3.2		3735	29.64	105	7935		
4	Rectangular, Red, 80mm				7.8 x 3.8 x 3.2		3745	29.64	72	5441		
5	Rectangular, Red, 80mm				7.8 x 3.8 x 3.2	WEINE	3675	29.64	79	5970		
6	Rectangular, Red, 80mm	-			7.8 x 3.8 x 3.2	READ N	3655	29.64	72	5441		
7					1	OF THY WERD WHO OREATES	ر بجب ا الذي خلق ر					
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Witnessed by:

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

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