

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.

3943 Dr. Umbreen

To: Engr. Haseeb Afzal, Project Manager

HMB Developers Pvt. Ltd. Shadman II, Lahore.

Project: Construction of Commercial Tower, FTC Lahore.

Our Ref. No. CL/CED/ 9905 Dated: 27/9/2022 <u>Test Specification</u>

Your Ref. No. HMBDPL/H.O/09/22/26TH(LHR) Dated: 26/9/2022 (ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 26/9/2022 Tested on: 27/9/2022 in dry/wet condition





Sr. No.	Mark*			Date*	Size (in)	Wet Weight	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)		Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1		28	8	2022	6Diax12		13.4	28.28	59	4673		Non Engraved
2		28	8	2022	6Diax12		14	28.28	71	5624		Non Engraved
3		28	8	2022	6Diax12		13.8	28.28	69	5465		Non Engraved
4												
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Witnessed by: Nil

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

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

- 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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3943 Dr. Umbreen

To: Engr. Haseeb Afzal, Project Manager

HMB Developers Pvt. Ltd. Shadman II, Lahore.

Project: Construction of Commercial Tower, FTC Lahore.

Our Ref. No. CL/CED/ 9906 Dated: 27/9/2022 <u>Test Specification</u>

Your Ref. No. HMBDPL/H.O/09/22/26TH(LHR) Dated: 26/9/2022 (ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 26/9/2022 Tested on: 27/9/2022 in dry/wet condition





Mark*				Size	Wet Weight			load	Stress	Water Absorpti on (%)	Remarks
											Non Engraved
								_			_
	27	8	2022	6DIAX12		13.4	28.28	63	4990		Non Engraved
	27	8	2022	6Diax12		14	28.28	67	5307		Non Engraved
		-		/	GINE	RINE					
					READIN	200					
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		Mark* DD 27 27 27	Mark* DD MM 27 8 27 8 27 8	DD MM YYYY 27 8 2022 27 8 2022 27 8 2022	Mark* DD MM YYYY (in) 27 8 2022 6Diax12 27 8 2022 6Diax12 27 8 2022 6Diax12	Mark* Casting Date* Size Weight	Mark* DD MM YYYY (in) (Kg/gms) (Kg/gms)	Mark*	Mark*	Mark*	Mark*

Witnessed by: Nil

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



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3935 Dr. Rizwan Riaz

To: Mr. Faisal Ali, Site In-Charge

Ittefaq Construction Associates, 22-P, Johar Town Lahore

Project: (Respected Faizan Liaqat Sb.) Construction of 330-R, Johar Town Lahore.

Our Ref. No. CL/CED/ 9907 Dated: 27/9/2022

Your Ref. No. ICA/FLS/10 Dated: 23/9/2022

COMPRESSION TEST REPORT

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

Specimens received on: 23/9/2022 Tested on: 27/9/2022 in dry/wet condition



Test Specification

(ASTM C39)



Sr. No.	Mark*			Date*	Size	Wet Weight		Area of X-Section			Absorpti	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	First Floor Slab	24	8	2022	6Diax12		13.4	28.28	31	2455		Non Engraved
2	First Floor Slab	24	8	2022	6Diax12		13.4	28.28	43	3406		Non Engraved
3	First Floor Slab	24	8	2022	6Diax12		13.4	28.28	45	3564		Non Engraved
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Witnessed by: Mr. Bilal, CNIC # 32303-1048863-1

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3942 Dr. Umbreen

To: Mr. Ahmed Ejaz

Quantity Surveyor. M/S LINKER, 55-C/1(A), Gulberg III, Lahore.

Project: Construction of Hassan and Huma Residence -DHA Phase VIII, Sector-A, Lahore.

Our Ref. No. CL/CED/ 9908 Dated: 27/9/2022

Your Ref. No. LD/H&H/444-A/C-03 Dated: 26/9/2022

26/9/2022 (ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 26/9/2022 Tested on: 27/9/2022 in dry/wet condition



Test Specification



Sr. No.	Mark*			Date*	Size	Wet Weight		Area of X-Section	load		Water Absorpti on (%)	Remarks
_	Basement Ret.			YYYY	(in)	(Kg/ gms)	(Kg/ gms)		(Imp.Tons)		- (,	
1	Walls(3000 Psi)	14	9	2022	6Diax12		13	28.28	33	2614		Non Engraved
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Witnessed by: Nil

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

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> 3942 Dr. Umbreen

To: Mr. Ahmed Ejaz

Quantity Surveyor. M/S LINKER, 55-C/1(A), Gulberg III, Lahore.

Project: Construction of Hassan and Huma Residence -DHA Phase VIII, Sector-A, Lahore.

Our Ref. No. CL/CED/ 9909 Dated: 27/9/2022

Your Ref. No. LD/H&H/444-A/C-04 Dated: 26/9/2022

COMPRESSION TEST REPORT

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

Specimens received on: 26/9/2022 Tested on: 27/9/2022 in dry/wet condition



Test Specification

(ASTM C39)



Mark*				Size	Wet Weight			load	Ultimate Stress	Absorpti	Remarks
	DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	OH (%)	
Basement Raft Footing(4000 Psi)	19	8	2022	6Diax12		13	28.28	53	4198		Non Engraved
Basement Raft Footing(4000 Psi)	19	8	2022	6Diax12		13	29.28	43	3290		Non Engraved
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	Basement Raft Footing(4000 Psi) Basement Raft Footing(4000 Psi)	Mark* DD Basement Raft Footing(4000 Psi) Basement Raft Footing(4000 Psi)	DD MM	DD MM YYYY	DD MM YYYY	Mark* DD MM YYYY (in) (Kg/gms)	Mark* DD MM YYYY (in) (Kg/ gms) (Kg/ gms)	Mark* DD MM YYYY (in) (Kg/ gms) (Kg/ gms) (Sq. in)	Mark* DD MM YYYY (in) (Kg/ gms) (Kg/ gms) (Sq. in) (Imp.Tons)	Mark* DD MM YYYY (in) (Kg/gms) (Kg/gms) (Sq. in) (Imp.Tons) (psi)	Mark* Date Date

Witnessed by: Nil

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

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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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3914 Dr. Umbreen

To: Mr. Muhammad Asif

Project Manager, Imperium Developers, 21-GF, 67 D/1 Gulberg III, Lahore.

Project: Construction of Sixty6 at Gulberg-III, Lahore.

 Our Ref. No. CL/CED/
 9910
 Dated:
 27/9/2022
 Test Specification

 Your Ref. No.
 IMP/PM/66/09/06
 Dated:
 20/9/2022
 (ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 21/9/2022 Tested on: 27/9/2022 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	Columns (6000 Psi)	16	8	2022	6 Diax12		13.8	28.28	67	5307		Non Engraved
2	Columns (6000 Psi)	16	8	2022	6 Diax12		13	28.28	65	5149		Non Engraved
3	Columns (6000 Psi)	18	8	2022	6 Diax12		13.6	28.28	69	5465		Non Engraved
4	Columns (6000 Psi)	18	8	2022	6 Diax12		13.6	28.28	71	5624		Non Engraved
5	Columns (6000 Psi)	20	8	2022	6 Diax12	RINE	13	28.28	63	4990		Non Engraved
6	Columns (6000 Psi)	20	8	2022	6 Diax12	READ W	13.2	28.28	63	4990		Non Engraved
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16												

Witnessed by: Nil

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

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3951 Dr. Umbreen

To: Sub Divisional Officer

Buildings Sub Division No. 22, Lahore

Our Ref. No. CL/CED/ 9911

Project: Construction of Population Welfare House Punjab, at Lahore.

i roject. Construction of ropulation Wenare House runjab, at Lanore.

Your Ref. No. 143 Dated: 24/8/2022

Dated:

27/9/2022

COMPRESSION TEST REPORT

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

Specimens received on: 26/9/2022 Tested on: 27/9/2022 in dry/wet condition



Test Specification

(BS 1881-116)



Sr. No.	Mark*			Date*	Size	Wet Weight		Area of X-Section			Water Absorpti on (%)	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	011 (70)	
1	RW Basement(ii) (1:1.5:3)	27	7	2022	6x6x6		8	36	98	6098		Non Engraved
2	RW Basement(ii) (1:1.5:3)	27	7	2022	6x6x6		8.2	36	96	5973		Non Engraved
3	RW Basement(ii) (1:1.5:3)	27	7	2022	6x6x6		8.8	36	124	7716		Non Engraved
4												
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16												

Witnessed by: Nil

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3951 Dr. Umbreen

To: Sub Divisional Officer

Buildings Sub Division No. 22, Lahore

Our Ref. No. CL/CED/ 9912

Project: Construction of Population Welfare House Punjab, at Lahore.

Your Ref. No. 157 Dated: 16/9/2022

Dated:

27/9/2022

COMPRESSION TEST REPORT

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

Specimens received on: 26/9/2022 Tested on: 27/9/2022 in dry/wet condition



Test Specification

(BS 1881-116)



Sr. No.	Mark*			Date*	Size	Wet Weight		Area of X-Section			Water Absorpti on (%)	Remarks
	DW D ((2)	DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	011 (70)	
1	RW Basement(i) (1:1.5:3)	19	8	2022	6x6x6		8.4	36	114	7093		Non Engraved
2	RW Basement(i) (1:1.5:3)	19	8	2022	6x6x6		8.2	36	124	7716		Non Engraved
3	RW Basement(i) (1:1.5:3)	19	8	2022	6x6x6		8.6	36	77	4791		Non Engraved
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16												

Witnessed by: Nil

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

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3951 Dr. Umbreen

To: Sub Divisional Officer

Buildings Sub Division No. 22, Lahore

Our Ref. No. CL/CED/ 9913

Project: Construction of Population Welfare House Punjab, at Lahore.

i roject. Construction of ropulation Wenare flouse runjab, at Earlore.

Your Ref. No. 137 Dated: 19/8/2022 (BS 1881-116)

Dated:

27/9/2022

COMPRESSION TEST REPORT

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

Specimens received on: 26/9/2022 Tested on: 27/9/2022 in dry/wet condition



Test Specification



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 (%)	
	24	7	2022	6x6x6		8.6	36	73	4542		Non Engraved
Lift Basement(ii)	24	7	2022	6x6x6		8.4	36	53	3298		Non Engraved
Lift Basement(ii) (1:1.5:3)	24	7	2022	6x6x6		8.8	36	120	7467		Non Engraved
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	Lift Basement(ii) (1:1.5:3) Lift Basement(ii) (1:1.5:3) Lift Basement(ii) (1:1.5:3)	Mark* DD Lift Basement(ii) (1:1.5:3) Lift Basement(ii) (1:1.5:3) Lift Basement(ii) (1:1.5:3)	DD MM	DD MM YYYY	DD MM YYYY (in)	Mark* DD MM YYYY (in) (Kg/gms)	Mark* Casting Date* Size Weight Weight Lift Basement(ii) (1:1.5:3) 24 7 2022 6x6x6 8.6 Lift Basement(ii) (1:1.5:3) 24 7 2022 6x6x6 8.8 Lift Basement(ii) (1:1.5:3) 24 7 2022 6x6x6 8.8	Mark*	Mark* DD MM YYYY (in) (Kg/ gms) (Kg/ gms) (X-Section load (Imp.Tons)	Mark* Casting Date* Size Weight Weight Weight X-Section load Stress (Fig. 1)	Mark* Casting Date* Size Weight Weight Weight Weight Weight Weight X-Section load Stress on (%)

Witnessed by: Nil

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

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3951 Dr. Umbreen

To: Sub Divisional Officer

Buildings Sub Division No. 22, Lahore

Our Ref. No. CL/CED/ 9914

Project: Construction of Population Welfare House Punjab, at Lahore.

roject. Construction of reparation we have reader unjudy, at Eurore.

Your Ref. No. 160 Dated: 22/9/2022

Dated:

27/9/2022

COMPRESSION TEST REPORT

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

Specimens received on: 26/9/2022 Tested on: 27/9/2022 in dry/wet condition



Test Specification

(BS 1881-116)



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 (%)	
Basement Slab (1:2:4)	24	8	2022	6x6x6		8.8	36	140	8711		Non Engraved
Basement Slab	24	8	2022	6x6x6		8.8	36	136	8462		Non Engraved
Basement Slab	24	8	2022	6x6x6		8	36	88	5476		Non Engraved
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	Basement Slab (1:2:4) Basement Slab (1:2:4) Basement Slab (1:2:4)	Mark* DD Basement Slab (1:2:4) Basement Slab (1:2:4) Basement Slab (1:2:4)	Mark* DD MM Basement Slab	Basement Slab (1:2:4) Basement Slab (1:2:4) Basement Slab (1:2:4) Basement Slab (1:2:4)	DD MM YYYY	Mark* DD MM YYYY (in) (Kg/gms)	Mark*	Mark* Casting Date* Size Weight Weight X-Section Basement Slab (1:2:4) 24 8 2022 6x6x6 8.8 36 Basement Slab (1:2:4) 24 8 2022 6x6x6 8.8 36 Basement Slab (1:2:4) 24 8 2022 6x6x6 8 36 8 36 8 36 8 36 8 36 8 36	Mark*	Mark* DD MM YYYY (in) (Kg/gms) (Kg/gms)	Mark* Casting Date* Size Weight Weight Weight (Kg/gms) X-Section (Sq. in) (Imp.Tons) Water Absorption on (%) on (%) Basement Slab (1:2:4) 24 8 2022 6x6x6 8.8 36 140 8711 Basement Slab (1:2:4) 24 8 2022 6x6x6 8.8 36 136 8462 8 36 88 5476 8 36 88 5476

Witnessed by: Nil

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

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

3951 Dr. Umbreen

To: Sub Divisional Officer

Buildings Sub Division No. 15, Lahore

Project: Construction of Court Rooms for Judicial Officers at Model Town Lahore. Group No.1

Our Ref. No. CL/CED/ 9915 Dated: 27/9/2022

Your Ref. No. 2068 Dated: 23/9/2022

COMPRESSION TEST REPORT

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

Specimens received on: 26/9/2022 Tested on: 27/9/2022 in dry/wet condition



Test Specification

(BS 1881-116)



Sr. No.	Mark*			Date*	Size	Wet Weight		Area of X-Section	load	Ultimate Stress	Water Absorpti on (%)	Remarks
				YYYY	. ,	(Kg/ gms)	(Kg/ gms)		(Imp.Tons)		011 (70)	
1	Third Slab (1:2:4)	21	8	2022	6x6x6		9	36	77	4791		Non Engraved
2	Third Slab (1:2:4)	21	8	2022	6x6x6		8.8	36	90	5600		Non Engraved
3	Third Slab (1:2:4)	21	8	2022	6x6x6		8.2	36	102	6347		Non Engraved
4							-					
5						CINE	RIATE					
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Witnessed by: Nil

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

- 1. * as engraved on the specimens (if any)
- 2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
- 3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
- 4. **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as 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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3951 Dr. Umbreen

To: Sub Divisional Officer

Buildings Sub Division No.05, Lahore

Project: Extension-Expansion of Inspectorate of Prisons Punjab Lahore. Group No.1

 Our Ref. No. CL/CED/
 9916
 Dated:
 27/9/2022
 Test Specification

 Your Ref. No.
 1930/5th
 Dated:
 24/9/2022
 (BS 1881-116)

COMPRESSION TEST REPORT

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

Specimens received on: 26/9/2022 Tested on: 27/9/2022 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	Second Floor Slab (1:2:4)	21	8	2022	6x6x6		8.6	36	81	5040		Non Engraved
2	Second Floor Slab (1:2:4)	21	8	2022	6x6x6		8.4	36	92	5724		Non Engraved
3	Second Floor Slab (1:2:4)	21	8	2022	6x6x6		8.2	36	59	3671		Non Engraved
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5					-	THE	RING					
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16												

Witnessed by: Nil

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

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

- 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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> 3925 Dr. Umbreen

To: Professional Construction Services Ltd. Lahore.

301-A, Block-R, Johar Town, Lahore.

Project: Construction of TCF Secondary School Thatta Ghulab Singh Kamokey Gujranwala.

Our Ref. No. CL/CED/ 9917 Dated: 27/9/2022 <u>Test Specification</u>

Your Ref. No. PCS/22/Eng-105-B Dated: 22/9/2022 (BS 1881-116)

COMPRESSION TEST REPORT

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

Specimens received on: 22/9/2022 Tested on: 27/9/2022 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)		(Imp.Tons)		on (%)	
1	Footing (1:2:4)	30	3	2022	6x6x6		8.6	36	51	3173		Engraved
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3												
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Witnessed by: Nil

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

- 1. * as engraved on the specimens (if any)
- 2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
- 3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
- 4. **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as 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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3938 Dr. Umbreen

To: Mr. Muhammad Jamshed

Project Engineer, APEX Engineering & Co.

Project: Structural Mounting of Renewable Equipment's (i.e., Solar Panels Structure and others) Solar

Tubewell Projects South

Our Ref. No. CL/CED/ 9918

Dated: 27/9/2022

Test Specification
(BS 1881-116)

Your Ref. No. APEX/LHR/1034

Dated: 09-09-22

COMPRESSION TEST REPORT

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

Specimens received on: 23/9/2022 Tested on: 27/9/2022 in dry/wet condition





Sr. No.	Mark*	Casting Date*				Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)			Water Absorpti on (%)	Remarks
1		20	9	2022	6x6x6		7.4	36	41	2551		Non Engraved
2		20	9	2022	6x6x6		7.2	36	25	1556		Non Engraved
3		20	9	2022	6x6x6		7.4	36	27	1680		Non Engraved
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Witnessed by: Nil

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

- 1. * as engraved on the specimens (if any)
- 2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
- 3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
- 4. **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as 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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> 3947 Dr. Umbreen

To: Mr. Muhammad Irfan

Project Manager, Noor Durrani & Associates, 52-D1, Gulberg-III Lahore.

Project: Construction of Golf View Rumanza, Multan.

 Our Ref. No. CL/CED/
 9919
 Dated:
 27-09-22

 Your Ref. No.
 J/0676/011
 Dated:
 26-09-22

26-09-22 (----

COMPRESSION TEST REPORT

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

Specimens received on: 26-09-22 Tested on: 27-09-22 in dry/wet condition



Test Specification



Sr. No.	Mark*	Casting 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)	(met.Tons)	(psi)	on (%)	
1	Secondary (44 to 75)	8	9	2022	2x2x2		215	4	7	3857		Non Engraved (Grout)
2	Secondary (44 to 75)	8	9	2022	2x2x2		225	4	6.5	3582		Non Engraved (Grout)
3	Secondary (44 to 75)	8	9	2022	2x2x2		225	4	4	2204		Non Engraved (Grout)
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Witness	Witnessed by: Nil											

witnessed by: Nii

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

 $\underline{\textbf{Note:}}$ 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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A carbon copy for the report has been retained in the lab for record.

> 3915 Dr. Aqsa

> > (----)

To: Mr. Muhammad Shahbaz

Imperium Hospitality (Pvt) Ltd. 10-Q, Gulberg II, Lahore.

Project: Nil

Our Ref. No. CL/CED/ 9920 Dated: 27/9/2022 <u>Test Specification</u>

Your Ref. No. IHPL/Con/896 Dated: 15/9/2022

COMPRESSION TEST REPORT

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

Specimens received on: 21/9/2022 Tested on: 26/9/2022 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	Hollow Block (1000 Psi)				15.4 x 3.8 x 7.5		12	41.82	33	1768		
2	Hollow Block (1000 Psi)				15.4 x 3.9 x 7.5		12	43.36	24	1240		
3	Hollow Block (1000 Psi)				15.4 x 3.9 x 7.5		12.2	43.36	43	2221		
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Witnessed by: Engr. Rafi Ullah Bajwa & Engr. Ali Hasnain Khan (K.B)

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

> 3915 Dr. Aqsa

> > (----)

To: Mr. Muhammad Shahbaz

Imperium Hospitality (Pvt) Ltd. 10-Q, Gulberg II, Lahore.

Project: Nil

Our Ref. No. CL/CED/ 9921 Dated: 27/9/2022 <u>Test Specification</u>

Your Ref. No. IHPL/Con/897 Dated: 15/9/2022

COMPRESSION TEST REPORT

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

Specimens received on: 21/9/2022 Tested on: 26/9/2022 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	Solid Block (1000 Psi)				12 x 3.9 x 7.8		13	46.8	31	1484		
2	Solid Block (1000 Psi)				11.9 x 3.9 x 7.5		13.2	46.41	35	1689		
3	Solid Block (1000 Psi)				11.9 x 3.9 x 7.5		13.4	46.41	33	1593		
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Witnessed by: Engr. Rafi Ullah Bajwa & Engr. Ali Hasnain Khan (K.B)

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
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