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been retained in
he lab for record.

4981 Dr. Umbreen

To: The Resident Engineer

Acrow Consulting Pvt. Ltd. Lahore.

Project: Construction of Building B-45 MM Alam Road Gulberg-III. (S-B-02, Grid 9-13)

Our Ref. No. CL/	CED/ 1493	Dated:	20-03-23	Test Specification
Your Ref. No.	AC/B-45/05	Dated:	17-03-23	(ASTM C39)

#### **COMPRESSION TEST REPORT**



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

Specim	ens received on:	2	0-03	-23	Tested on:	20-0	)3-23	in dry/we	t condition			ONLINE REPORT
Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate load	Ultimate Stress	Water Absorpti on (%)	Remarks
		עט		YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp. I ons)	(psi)		
1	TM-3, Tank (4000 Psi)	17	2	2023	6Diax12		14	28.28	55	4356		Non Engraved
2	TM-2, Tank (4000 Psi)	17	2	2023	6Diax12		13.8	28.28	57	4515		Non Engraved
3	TM-1, Tank (4000 Psi)	17	2	2023	6Diax12		14	28.28	67	5307		Non Engraved
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Witness	ed by: Mr. Uzair, (		# 16	6102-6	784638-9							

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

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

2. \*\* BS3921 requires average of ten clay brick samples for crushing strength and water absorption

3. \*\*\* BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

4. \*\*\*\* ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprensive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory



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ORIGINAL

4981 Dr. Umbreen

To: **The Resident Engineer** 

Acrow Consulting Pvt. Ltd. Lahore.

Project: Construction of Building B-45 MM Alam Road Gulberg-III. (Raft UGWT))

Our Ref. No. CL	/CED/ 1494	Dated:	20-03-23	Test Specification
Your Ref. No.	AC/B-45/06	Dated:	20-03-23	(ASTM C39)

#### COMPRESSION TEST REPORT



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

Specim	ens received on:	2	0-03	-23	Tested on:	20-0	)3-23	in dry/we	t condition			ONLINE REPORT
Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate Ioad	Ultimate Stress	Water Absorpti	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)		
1	TM-6, Tank (4000 Psi)	20	2	2023	6Diax12		14	28.28	69	5465		Non Engraved
2	TM-10, Tank (4000 Psi)	20	2	2023	6Diax12		14	28.28	73	5782		Non Engraved
3	TM-4, Tank (4000 Psi)	20	2	2023	6Diax12		13.8	28.28	59	4673		Non Engraved
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Witness	ed by: Mr. Uzair. (		# 16	102-6	784638-9							

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



To:	Mr. Zeeshan Afzal
	District Bahawalnagar.

Project: Nil			
Our Ref. No. CL/CED/ 1495	Dated:	20-03-23	<b>Test Specification</b>
Your Ref. No. Nil	Dated:	Nil	(ASTM C39)

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

Specim	ens received on:	2	0-03	-23	Tested on:	20-0	)3-23	in dry/wet condition				ONLINE REPORT
Sr. No.	Mark*	Cas DD	ting MM	Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	1010	23	1	2023	6Diax12		14	28.28	90	7129		Non Engraved
2	1024	27	1	2023	6Diax12		13.8	28.28	94	7446		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 compressive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory



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> 4957 Dr. Umbreen

#### To: Lt. Col. (R.) Muhammad Ibrahim, Senior Estate Engineer Board of Management, Sundar Industrial Estate, Lahore. (M/S Lasani Builders) Project: Supply and Fixing of Kerb Stone at SIE.

	•			
Our Ref. No. CL/C	CED/ 1496	Dated:	20-03-23	Test Specification
Your Ref. No.	BOM/SIE/BCD/8783	Dated:	14-03-23	( )

#### COMPRESSION TEST REPORT



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

Specim	ens received on:	1	5/3/2	023	Tested on:	20-0	)3-23	in dry/we	t condition			ONLINE REPORT
Sr. No.	Mark*	Cas DD	ting MM	Date* YYYY	Size (in)	Wet Weight (Kq/ qms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	Kerb Stone				5.9x5.9x6		7.6	34.81	45	2896		Cut Cube
2	Kerb Stone				6x6x6		7.8	36	63	3920		Cut Cube
3	Kerb Stone				5.9x5.9x6		7.8	34.81	63	4054		Cut Cube
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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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> 4974 Dr. Umbreen

To:	Mr. Imran Sattar, Divisional Forest Officer
	Office of the Divisional Forest Officer Kasur Forest Division at Changa Manga

Project: Construction of Boundary Wall at Changa Manga Irrigation Plantation

Our Ref. No. CL/CED/ 1497-1 of 2	Dated:	20-03-23	Test Specification
Your Ref. No. No.747/AC	Dated:	14-03-23	(BS 1881-116)

#### COMPRESSION TEST REPORT



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

Specim	ens received on:	17	7/3/2	023	Tested on:	20-0	03-23	in dry/we	t condition			ONLINE REPORT
Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate Ioad	Ultimate Stress	Water Absorpti	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	(1:2:4)	9	3	2023	6x6x6		7.6	36	67	4169		Non Engraved
2	(1:2:4)	9	3	2023	6x6x6		7.6	36	43	2676		Non Engraved
3	(1:2:4)	9	3	2023	6x6x6		8	36	63	3920		Non Engraved
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Witness	sed by: Nil											

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Note: Above results pertain to the unsealed samples supplied to the laboratory



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

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4983 Engr. A. Rehman

To: Engr. Haseeb Afzal, Project Manager HMB Developers Pvt. Ltd.

Project: Construction of Commercial Tower, Finance Trade Centre Lahore.

Our Ref. No.	CL/CED/ 1498	Dated:	20-03-23	Test Specification
Your Ref. No.	HMBDPL/S.O/03/23/20th(LHR)	Dated:	17-03-23	(ASTM C39)

#### COMPRESSION TEST REPORT



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

Specim	ens received on:	2	0-03	-23	Tested on:	20-0	)3-23	in dry/we	t condition			ONLINE REPORT
Sr. No.	Mark*	Cas DD	ting MM	Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	TM-9 (4500 Psi)	9	3	2023	6Diax12		13.8	28.28	75	5941		Non Engraved
2	TM-9 (4500 Psi)	9	3	2023	6Diax12		13.8	28.28	61	4832		Non Engraved
3	TM-9 (4500 Psi)	9	3	2023	6Diax12		13.6	28.28	73	5782		Non Engraved
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Witness	ed by: Mr. Arslan	Ali K	han.		# 35201-89316	685-1						

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

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Note: Above results pertain to the unsealed samples supplied to the laboratory



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4983 Engr. A. Rehman

To: Engr. Haseeb Afzal, Project Manager HMB Developers Pvt. Ltd.

Project: Construction of Commercial Tower, Finance Trade Centre Lahore.

Our Ref. No. Cl	./CED/ 1499	Dated:	20-03-23	Test Specification
Your Ref. No.	HMBDPL/S.O/03/23/13th(LHR)	Dated:	16-03-23	(ASTM C39)

#### COMPRESSION TEST REPORT



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

Specim	ens received on:	2	0-03	-23	Tested on:	20-0	)3-23	in dry/we	t condition			ONLINE REPORT
Sr. No.	Mark*	Cas DD	ting MM	Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate Ioad (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	TM-4 (3500 Psi)	8	3	2023	6Diax12		13.2	28.28	61	4832		Non Engraved
2	TM-4 (3500 Psi)	8	3	2023	6Diax12		13.2	28.28	65	5149		Non Engraved
3	TM-4 (3500 Psi)	8	3	2023	6Diax12		13.4	28.28	66	5228		Non Engraved
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Witness	ed by: Mr. Arslan	Ali K	han		# 35201-89316	685-1					· · · · · · · · · · · · · · · · · · ·	

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 $\underline{\textbf{Note:}}$  Above results pertain to the unsealed samples supplied to the laboratory



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4983 Engr. A. Rehman

To: Engr. Haseeb Afzal, Project Manager HMB Developers Pvt. Ltd.

Project: Construction of Commercial Tower, Finance Trade Centre Lahore.

Our Ref. No. (	CL/CED/ 1500	Dated:	20-03-23	Test Specification
Your Ref. No.	HMBDPL/S.O/03/23/21th(LHR)	Dated:	17-03-23	(ASTM C39)

#### COMPRESSION TEST REPORT



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

Specim	ens received on:	2	0-03	-23	Tested on:	20-0	)3-23	in dry/we	t condition			ONLINE REPORT
Sr. No.	Mark*	Cas DD	ting MM	Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	TM-10 (3500 Psi)	9	3	2023	6Diax12		13.8	28.28	59	4673		Non Engraved
2	TM-10 (3500 Psi)	9	3	2023	6Diax12		13.6	28.28	59	4673		Non Engraved
3	TM-10 (3500 Psi)	9	3	2023	6Diax12		13.8	28.28	60	4752		Non Engraved
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Witness	ed by: Mr. Arslan	Ali K	han		# 35201-89316	685-1						

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4983 Engr. A. Rehman

To: Engr. Haseeb Afzal, Project Manager HMB Developers Pvt. Ltd.

Project: Construction of Commercial Tower, Finance Trade Centre Lahore.

Our Ref. No. CL	(CED/ 1501	Dated:	20-03-23	Test Specification
Your Ref. No.	HMBDPL/S.O/03/23/22th(LHR)	Dated:	17-03-23	(ASTM C39)

#### COMPRESSION TEST REPORT



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

Specim	ens received on:	2	0-03	-23	Tested on:	20-0	)3-23	in dry/we	t condition			ONLINE REPORT
Sr. No.	Mark*	Cas DD	ting MM	Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate Ioad (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	TM-8 (6000 Psi)	9	3	2023	6Diax12		14	28.28	89	7050		Non Engraved
2	TM-8 (6000 Psi)	9	3	2023	6Diax12		13.8	28.28	88	6970		Non Engraved
3	TM-8 (6000 Psi)	9	3	2023	6Diax12		14	28.28	85	6733		Non Engraved
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Witness	 Witnessed by: Mr. Arslan Ali Khan. CNIC # 35201-8931685-1											

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

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4983 Engr. A. Rehman

To: Engr. Haseeb Afzal, Project Manager HMB Developers Pvt. Ltd.

Project: Construction of Commercial Tower, Finance Trade Centre Lahore.

Our Ref. No. CL	/CED/ 1502	Dated:	20-03-23	Test Specification
Your Ref. No.	HMBDPL/S.O/03/23/15th(LHR)	Dated:	16-03-23	(ASTM C39)

#### COMPRESSION TEST REPORT



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

Specim	ens received on:	2	0-03	-23	Tested on:	20-0	)3-23	in dry/we	t condition			ONLINE REPORT
Sr. No.	Mark*	Cas DD	ting MM	Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate Ioad (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	TM-5 (3500 Psi)	8	3	2023	6Diax12		14	28.28	67	5307		Non Engraved
2	TM-5 (3500 Psi)	8	3	2023	6Diax12		14	28.28	67	5307		Non Engraved
3	TM-5 (3500 Psi)	8	3	2023	6Diax12		14	28.28	67	5307		Non Engraved
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Witness	Witnessed by: Mr. Arslan Ali Khan, CNIC # 35201-8931685-1											

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4983 Engr. A. Rehman

To: Engr. Haseeb Afzal, Project Manager HMB Developers Pvt. Ltd.

Project: Construction of Commercial Tower, Finance Trade Centre Lahore.

Our Ref. No. CL	(CED/ 1503	Dated:	20-03-23	Test Specification
Your Ref. No.	HMBDPL/S.O/03/23/17th(LHR)	Dated:	16-03-23	(ASTM C39)

#### COMPRESSION TEST REPORT



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

Specim	ens received on:	2	0-03	-23	Tested on:	20-0	)3-23	in dry/we	t condition			ONLINE REPORT
Sr. No.	Mark*	Cas DD	ting MM	Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate Ioad (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	TM-7 (6000 Psi)	8	3	2023	6Diax12		13.8	28.28	92	7287		Non Engraved
2	TM-7 (6000 Psi)	8	3	2023	6Diax12		14	28.28	100	7921		Non Engraved
3	TM-7 (6000 Psi)	8	3	2023	6Diax12		14	28.28	93	7366		Non Engraved
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Witness	Witnessed by: Mr. Arslan Ali Khan, CNIC # 35201-8931685-1											

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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 comprensive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory



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4983 Engr. A. Rehman

To: Engr. Haseeb Afzal, Project Manager HMB Developers Pvt. Ltd.

Project: Construction of Commercial Tower, Finance Trade Centre Lahore.

Our Ref. No. Cl	./CED/ 1504	Dated:	20-03-23	Test Specification
Your Ref. No.	HMBDPL/S.O/03/23/16th(LHR)	Dated:	16-03-23	(ASTM C39)

#### **COMPRESSION TEST REPORT**



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

Specim	ens received on:	2	0-03	-23	Tested on:	20-0	)3-23	in dry/we	t condition			ONLINE REPORT
Sr. No.	Mark*	Cas DD	ting MM	Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	TM-6 (4500 Psi)	8	3	2023	6Diax12		14	28.28	76	6020		Non Engraved
2	TM-6 (4500 Psi)	8	3	2023	6Diax12		13.6	28.28	81	6416		Non Engraved
3	TM-6 (4500 Psi)	8	3	2023	6Diax12		13.8	28.28	80	6337		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 compressive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory



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4983 Engr. A Rehman

To: Engr. Haseeb Afzal, Project Manager HMB Developers Pvt. Ltd.

Project: Construction of Commercial Tower, Finance Trade Centre Lahore.

Our Ref. No. CL	/CED/ 1505	Dated:	20-03-23	Test Specification
Your Ref. No.	HMBDPL/S.O/03/23/27th(LHR)	Dated:	17-03-23	(ASTM C39)

#### **COMPRESSION TEST REPORT**



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

Specim	ens received on:	2	0-03	-23	Tested on:	20-0	)3-23	in dry/we	t condition			
Sr. No.	Mark*	Cas DD	ting MM	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	TM-6 (3500 Psi)	12	3	2023	6Diax12		14	28.28	54	4277		Non Engraved
2	TM-6 (3500 Psi)	12	3	2023	6Diax12		13.2	28.28	41	3248		Non Engraved
3	TM-6 (3500 Psi)	12	3	2023	6Diax12		14	28.28	56	4436		Non Engraved
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16												
Witness	ed by: Mr. Arslan	Ali K	han	. CNIC	# 35201-89316	685-1	•		•			

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

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

2. \*\* BS3921 requires average of ten clay brick samples for crushing strength and water absorption

3. \*\*\* BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

4. \*\*\*\* ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as compressive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory



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4983 Engr. A. Rehman

To: Engr. Haseeb Afzal, Project Manager HMB Developers Pvt. Ltd.

Project: Construction of Commercial Tower, Finance Trade Centre Lahore.

Our Ref. No. C	L/CED/ 1506	Dated:	20-03-23	Test Specification
Your Ref. No.	HMBDPL/S.O/03/23/24th(LHR)	Dated:	17-03-23	(ASTM C39)

#### **COMPRESSION TEST REPORT**



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

Specim	ens received on:	2	0-03	-23	Tested on:	20-0	)3-23	in dry/we	t condition			ONLINE REPORT
Sr. No.	Mark*	Cas DD	ting MM	Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate Ioad (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	TM-1 (6000 Psi)	11	3	2023	6Diax12		13.8	28.28	53	4198		Non Engraved
2	TM-1 (6000 Psi)	11	3	2023	6Diax12		15	28.28	90	7129		Non Engraved
3	TM-1 (6000 Psi)	11	3	2023	6Diax12		14	28.28	84	6653		Non Engraved
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Witness	ed by: Mr. Arslan	Ali K	han		# 35201-89316	685-1						

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

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

2. \*\* BS3921 requires average of ten clay brick samples for crushing strength and water absorption

3. \*\*\* BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

4. \*\*\*\* ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as compressive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory



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4983 Engr. A. Rehman

To: Engr. Haseeb Afzal, Project Manager HMB Developers Pvt. Ltd.

Project: Construction of Commercial Tower, Finance Trade Centre Lahore.

Our Ref. No	o. CL/CED/ 1507	Dated:	20-03-23	Test Specification
Your Ref. N	o. HMBDPL/S.O/03/23/12th(LHR)	Dated:	16-03-23	(ASTM C39)

#### COMPRESSION TEST REPORT



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

Specim	ens received on:	2	0-03	-23	Tested on:	20-0	)3-23	in dry/we	t condition			ONLINE REPORT
Sr. No.	Mark*	Cas DD	ting MM	Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate Ioad (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	TM-2 (4500 Psi)	7	3	2023	6Diax12		14	28.28	81	6416		Non Engraved
2	TM-2 (4500 Psi)	7	3	2023	6Diax12		14	28.28	84	6653		Non Engraved
3	TM-2 (4500 Psi)	7	3	2023	6Diax12		14	28.28	81	6416		Non Engraved
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Witness	ed by: Mr. Arslan	Ali K	han		# 35201-89316	685-1						

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

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

2. \*\* BS3921 requires average of ten clay brick samples for crushing strength and water absorption

3. \*\*\* BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

4. \*\*\*\* ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprensive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory



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4983 Engr. A. Rehman

To: Engr. Haseeb Afzal, Project Manager HMB Developers Pvt. Ltd.

Project: Construction of Commercial Tower, Finance Trade Centre Lahore.

Our Ref. No. CL	/CED/ 1508	Dated:	20-03-23	Test Specification
Your Ref. No.	HMBDPL/S.O/03/23/28th(LHR)	Dated:	17-03-23	(ASTM C39)

#### COMPRESSION TEST REPORT



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

Specim	ens received on:	2	0-03	-23	Tested on:	20-0	)3-23	in dry/we	t condition			ONLINE REPORT
Sr. No.	Mark*	Cas DD	ting MM	Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate Ioad (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	TM-4 (6000 Psi)	12	3	2023	6Diax12		13.8	28.28	70	5545		Non Engraved
2	TM-4 (6000 Psi)	12	3	2023	6Diax12		13.6	28.28	70	5545		Non Engraved
3	TM-4 (6000 Psi)	12	3	2023	6Diax12		13.8	28.28	69	5465		Non Engraved
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Witness	ed by: Mr. Arslan	Ali K	han	. CNIC	# 35201-89316	685-1						

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

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

2. \*\* BS3921 requires average of ten clay brick samples for crushing strength and water absorption

3. \*\*\* BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

4. \*\*\*\* ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprensive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory



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4983 Engr. A. Rehman

To: Engr. Haseeb Afzal, Project Manager HMB Developers Pvt. Ltd.

Project: Construction of Commercial Tower, Finance Trade Centre Lahore.

Our Ref. No.	CL/CED/ 1509	Dated:	20-03-23	Test Specification
Your Ref. No.	HMBDPL/S.O/03/23/14th(LHR)	Dated:	16-03-23	(ASTM C39)

#### COMPRESSION TEST REPORT



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

Specim	ens received on:	2	0-03	-23	Tested on:	20-0	)3-23	in dry/we	t condition			ONLINE REPORT
Sr. No.	Mark*	Cas DD	ting MM	Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate Ioad (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	TM-3 (6000 Psi)	8	3	2023	6Diax12		14.4	28.28	100	7921		Non Engraved
2	TM-3 (6000 Psi)	8	3	2023	6Diax12		14.2	28.28	92	7287		Non Engraved
3	TM-3 (6000 Psi)	8	3	2023	6Diax12		13.6	28.28	91	7208		Non Engraved
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Witness	I I I I I I I											

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

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

2. \*\* BS3921 requires average of ten clay brick samples for crushing strength and water absorption

3. \*\*\* BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

4. \*\*\*\* ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprensive strength

 $\underline{\textbf{Note:}}$  Above results pertain to the unsealed samples supplied to the laboratory



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4983 Engr. A. Rehman

To: Engr. Haseeb Afzal, Project Manager HMB Developers Pvt. Ltd.

Project: Construction of Commercial Tower, Finance Trade Centre Lahore.

Our Ref. No. CL	/CED/ 1510	Dated:	20-03-23	Test Specification
Your Ref. No.	HMBDPL/S.O/03/23/24th(LHR)	Dated:	17-03-23	(ASTM C39)

#### COMPRESSION TEST REPORT



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

Specim	ens received on:	2	0-03	-23	Tested on:	20-0	)3-23	in dry/we	t condition			ONLINE REPORT
Sr. No.	Mark*	Cas DD	ting MM	Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate Ioad (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	TM-2 (4500 Psi)	11	3	2023	6Diax12		14.2	28.28	81	6416		Non Engraved
2	TM-2 (4500 Psi)	11	3	2023	6Diax12		14	28.28	80	6337		Non Engraved
3	TM-2 (4500 Psi)	11	3	2023	6Diax12		14.4	28.28	73	5782		Non Engraved
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Witness	ed by: Mr. Arslan	Ali K	han	. CNIC	# 35201-89316	685-1						

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

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

2. \*\* BS3921 requires average of ten clay brick samples for crushing strength and water absorption

3. \*\*\* BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

4. \*\*\*\* ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprensive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory



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4983 Engr. A. Rehman

To: Engr. Haseeb Afzal, Project Manager HMB Developers Pvt. Ltd.

Project: Construction of Commercial Tower, Finance Trade Centre Lahore.

Our Ref. No. CL	/CED/ 1511	Dated:	20-03-23	Test Specification
Your Ref. No.	HMBDPL/S.O/03/23/23th(LHR)	Dated:	18-03-23	(ASTM C39)

#### COMPRESSION TEST REPORT



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

Specim	ens received on:	2	0-03	-23	Tested on:	20-0	)3-23	in dry/we	t condition			ONLINE REPORT
Sr. No.	Mark*	Cas DD	ting MM	Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	TM-3 (3500 Psi)	11	3	2023	6Diax12		13.4	28.28	54	4277		Non Engraved
2	TM-3 (3500 Psi)	11	3	2023	6Diax12		13.6	28.28	46	3644		Non Engraved
3	TM-3 (3500 Psi)	11	3	2023	6Diax12		13.6	28.28	51	4040		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 comprensive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory



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4983 Engr. A. Rehman

To: Engr. Haseeb Afzal, Project Manager HMB Developers Pvt. Ltd.

Project: Construction of Commercial Tower, Finance Trade Centre Lahore.

Our Ref. No. CL	/CED/ 1512	Dated:	20-03-23	Test Specification
Your Ref. No.	HMBDPL/S.O/03/23/26th(LHR)	Dated:	17-03-23	(ASTM C39)

#### **COMPRESSION TEST REPORT**



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

Specim	ens received on:	2	0-03	-23	Tested on:	20-0	)3-23	in dry/we	t condition			ONLINE REPORT
Sr. No.	Mark*	Cas DD	ting MM	Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	TM-5 (4500 Psi)	12	3	2023	6Diax12		14	28.28	63	4990		Non Engraved
2	TM-5 (4500 Psi)	12	3	2023	6Diax12		14	28.28	57	4515		Non Engraved
3	TM-5 (4500 Psi)	12	3	2023	6Diax12		14	28.28	48	3802		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 compressive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory



To: **Project Manager** 

**Baig Construction Co. Engineers & Contractors** 

Project: Construction of Chohan Hospital, Jail Road, Lahore.

Our Ref. No. CL/	CED/ 1513	Dated:	20-03-23	Test Specification
Your Ref. No.	BCC/UET/20230315	Dated:	15-03-23	(ASTM C39)

#### COMPRESSION TEST REPORT

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

Specimo	ens received on:	1	5-03	-23	Tested on:	20-0	3-23	in dry/we	t condition			ONLINE REPORT
Sr. No.	Mark*	Cas DD	ting MM	Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate Ioad (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	Raft Bed # 9 (1950 Psi)	8	3	2023	6Diax12		14	28.28	61	4832		Non Engraved
2	Raft Bed # 10 (1950 Psi)	8	3	2023	6Diax12		14	28.28	53	4198		Non Engraved
3	Raft Bed # 11 (1950 Psi)	8	3	2023	6Diax12		14	28.28	65	5149		Non Engraved
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Witness	ed 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

Note: Above results pertain to the unsealed samples supplied to the laboratory





Project: Extension of HKB Head Office Building.

Our Ref. No. CL/	CED/ 1514	Dated:	20-03-23	Test Specification
Your Ref. No.	HKB-HO/CR/003	Dated:	07-03-23	(ASTM C39)

#### COMPRESSION TEST REPORT

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

Specimens received on:		15-03-23		-23	Tested on:	20-03-23		in dry/wet condition				ONLINE REPORT
Sr. No.	Mark*	Cas	ting MM	Date*	Size (in)	Wet Weight (Ka/ ams)	Dry Weight (Ka/ ams)	Area of X-Section (Sg. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	3rd F. Col. (4000 Psi)	5	2	2023	6Diax12		13	28.28	49	3881		Non Engraved
2	3rd F. Col. (4000 Psi)	5	2	2023	6Diax12		13	28.28	37	2931		Non Engraved
3	3rd F. Col. (4000 Psi)	7	2	2023	6Diax12		13	28.28	37	2931		Non Engraved
4	3rd F. Col. (4000 Psi)	7	2	2023	6Diax12		13	28.28	47	3723		Non Engraved
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9						-	-	<b>7</b>				
10					<	- LA	INK- ·					
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13												
14												
15												
16												
Witness	ed 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

Note: Above results pertain to the unsealed samples supplied to the laboratory





4967 Dr. Umbreen

#### To: Mr. Muhammad Tufail

Construction Team Leader, Zor Engineers (Pvt) Limited Lahore Office.

Project: OM Trust High School Building Sheikhupura.

Our Ref. No. CL/	CED/ 1515	Dated:	20-03-23	Test Specification
Your Ref. No.	230.41.1/MT/3	Dated:	16-03-23	( BS 1881-116 )

#### COMPRESSION TEST REPORT

Specim	ens received on:	1	7-03	-23	Tested on:	20-0	)3-23	in dry/we	t condition			ONLINE REPORT
Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate Ioad	Ultimate Stress	Water Absorpti	Remarks
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	Off (%)	
1	1st Floor Roof Slab (1:2:4)	23	2	2023	6x6x6		8.8	36	57	3547		Engraved
2	1st Floor Roof Slab (1:2:4)	23	2	2023	6x6x6		8.8	36	65	4044		Engraved
3	1st Floor Roof Slab (1:2:4)	23	2	2023	6x6x6		8.8	36	63	3920		Engraved
4		-					-					
5					/	GINE	RIATE					
6					>	E READ IN						
7						DHE NAME OF THY LORD WHO		EC				
8					- SR			IN ONN				
9						2	-	<b>7</b>				
10					<	-LA	IORE .					
11												
12												
13												
14												
15												
16												
Witnessed by: Nil												

#### Nitnessed 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 comprensive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory



Engr. Khalid Sat	tar										
Resident Engineer, DHQ Hospital Hafizabad. Master Consulting Engineers Pvt. Ltd. (Maconsult)											
Project: Consult	ancy Service Resident Supervision for t	he Project Titled Up-gra	dation of D.H.Q Hos	pital							
Hafizabad (Grou	p No.2) ADP No:768 for the Year 2021-2	022.									
Our Ref. No. CL	/CED/ 1516	Dated:	20-03-23	Test Specification							
Your Ref. No.	MCE/DHQ Hfzd/23/33	Dated:	07-03-23	( BS 1881-116 )							

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

Specimens received on:		17-03-23		-23	Tested on:	20-03-23		in dry/wet condition				
Sr. No.	Mark*	Cas DD	ting MM	Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate Ioad (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	RCC Wall (1:1.5:3) Lower Ground F.	29	1	2023	6x6x6		8.8	36	88	5476		Non Engraved
2	RCC Wall (1:1.5:3) Lower Ground F.	29	1	2023	6x6x6		8.8	36	96	5973		Non Engraved
3	RCC Wall (1:1.5:3) Lower Ground F.	29	1	2023	6x6x6		9	36	123	7653		Non Engraved
4												
5					/	ARINE	RING					
6					)	MEAD IN	No.					
7						DHE NAME OF THY CORD VIND		F				
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11												
12												
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15												
16												
Witness	Witnessed hv <sup>.</sup> Nil											

#### messeu by.

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

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

2. \*\* BS3921 requires average of ten clay brick samples for crushing strength and water absorption

3. \*\*\* BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

4. \*\*\*\* ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as compressive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory



•	Resident Engine	eer, DHQ Hospital Hafizabad. Master Consulting Engineers Pvt. Ltd. (Maconsult)										
	Project: Consult Hafizabad (Grou	Project: Consultancy Service Resident Supervision for the Project Titled Up-gradation of D.H.Q Hospital Hafizabad (Group No.2) ADP No:768 for the Year 2021-2022.										
	Our Ref. No. CL/	CED/ 1517	Dated:	20-03-23	<b>Test Specification</b>							
	Your Ref. No.	MCE/DHQ Hfzd/23/34	Dated:	07-03-23	( BS 1881-116 )							



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

Specim	ens received on:	1	7-03	-23	Tested on:	20-0	3-23	in dry/we	in dry/wet condition			ONLINE REPORT
Sr. No.	Mark*	Cas DD	ting MM	Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate Ioad (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	Foundation Beam Lower G.F. (1:2:4)	1	2	2023	6x6x6		8.6	36	124	7716		Non Engraved
2	Foundation Beam Lower G.F. (1:2:4)	1	2	2023	6x6x6		9.4	36	116	7218		Non Engraved
3	Foundation Beam Lower G.F. (1:2:4)	1	2	2023	6x6x6		9	36	118	7342		Non Engraved
4												
5						RINE	RIATE					
6					)	READIN						
7						DHE NAME OF THY CORD VAND	4	E				
8					188							
9							1					
10					<	-LA	INRE .					
11												
12												
13												
14												
15												
16												
Witness	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

Note: Above results pertain to the unsealed samples supplied to the laboratory



•	Eligi. Kilallu Sal	lai			
	Resident Engine				
	Project: Consult	ancy Service Resident Supervision for	the Project Titled Up-gra	dation of D.H.Q Hos	pital
	Hafizabad (Grou	p No.2) ADP No:768 for the Year 2021-2	2022.		
	Our Ref. No. CL/	CED/ 1518	Dated:	20-03-23	Test Specification
	Your Ref. No.	MCE/DHQ Hfzd/23/35	Dated:	07-03-23	( BS 1881-116 )



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

Specimens received on:		17-03-23		-23	Tested on:	20-03-23		in dry/wet condition				ONLINE REPORT
Sr. No.	Mark*	Cas	ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate Ioad	Ultimate Stress	Water Absorpti on (%)	Remarks
1	RCC Col. (1:1.5:3)	7	2	2023	6x6x6	(rtg/ gills) 	(rtg/ gills) 8.6	36	100	(p31) 6222		Non Engraved
2	RCC Col. (1:1.5:3)	7	2	2023	6x6x6		8.8	36	96	5973		Non Engraved
3	RCC Col. (1:1.5:3) Lower G.F	7	2	2023	6x6x6		8.6	36	104	6471		Non Engraved
4												
5					/	GINE	RIATE					
6					)	READ W						
7						DHE NHOSE OF THY LORD WHO	14.4	EC				
8					RSI RSI			I NO				
9						2						
10					<	- [A						
11							-					
12												
13												
14												
15												
16												
Witness	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

Note: Above results pertain to the unsealed samples supplied to the laboratory



•	Engl. Khanu Sat	lai										
	Resident Engine	Resident Engineer, DHQ Hospital Hafizabad. Master Consulting Engineers Pvt. Ltd. (Maconsult)										
	Project: Consult	ancy Service Resident Supervision for t	he Project Titled Up-gra	dation of D.H.Q Hos	pital							
	Hafizabad (Grou	p No.1) ADP No:768 for the Year 2021-2	022.									
	Our Ref. No. CL/	CED/ 1519	Dated:	20-03-23	Test Specification							
	Your Ref. No.	MCE/DHQ Hfzd/23/36	Dated:	07-03-23	( BS 1881-116 )							



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

Specim	ens received on:	1	7-03	-23	Tested on:	20-0	)3-23	in dry/wet condition				ONLINE REPORT
Sr. No.	Mark*	Cas DD	ting MM	Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate Ioad (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	RCC Slab (1:2:4) Lower G. F	2	2	2023	6x6x6		9	36	112	6969		Engraved
2	RCC Slab (1:2:4) Lower G. F	2	2	2023	6x6x6		9	36	90	5600		Engraved
3	RCC Slab (1:2:4) Lower G. F	2	2	2023	6x6x6		9.2	36	112	6969		Engraved
4												
5					- /	HINE	RIATE					
6					)a	READ IN	(ALLAN)					
7						CORD WHO	14					
8					188							
9							-					
10					<	-LA	INRE .					
11												
12												
13												
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15												
16												
Witness	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

Note: Above results pertain to the unsealed samples supplied to the laboratory



•	Eligi. Kilallu Sat	lai									
	Resident Engineer, DHQ Hospital Hafizabad. Master Consulting Engineers Pvt. Ltd. (Maconsult)										
	Project: Consultancy Service Resident Supervision for the Project Titled Up-gradation of D.H.Q Hospital										
	Hafizabad (Grou	p No.2) ADP No:768 for the Year 2021-2	2022.								
	Our Ref. No. CL/	CED/ 1520	Dated:	20-03-23	Test Specification						
	Your Ref. No.	MCE/DHQ Hfzd/23/38	Dated:	08-03-23	(BS 1881-116)						

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

Specimens received on:		17-03-23		-23	Tested on:	ested on: 20-03-23		in dry/wet condition				ONLINE REPORT
Sr. No.	Mark*	Cas DD	ting MM	Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	RCC Wall (1:1.5:3) Lower G.F	9	2	2023	6x6x6		9	36	79	4916		Non Engraved
2	RCC Wall (1:1.5:3) Lower G.F	9	2	2023	6x6x6		9	36	75	4667		Non Engraved
3	RCC Wall (1:1.5:3) Lower G.F	9	2	2023	6x6x6		9.2	36	92	5724		Non Engraved
4												
5					- /	ARINE	RIATE					
6					- )	READ IN						
7						DE NAGE OF THY CORD VIND	-4					
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Witness	I I I I I I I I I I I I											

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

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Note: Above results pertain to the unsealed samples supplied to the laboratory



Resident Engine	er, DHQ Hospital Hafizabad. Master Co	nsulting Engineers Pvt. L	_td. (Maconsult)	
Project: Consult	ancy Service Resident Supervision for t	he Project Titled Up-grad	dation of D.H.Q Hos	pital
Hafizabad (Grou	p No.1) ADP No:768 for the Year 2021-2	022.		
Our Ref. No. CL/	CED/ 1521	Dated:	20-03-23	Test Specification
Your Ref. No.	MCE/DHQ Hfzd/23/39	Dated:	16-03-23	( BS 1881-116 )



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

Specimens received on:		17-03-23		-23	Tested on:	20-03-23		in dry/wet condition				ONLINE REPORT
Sr. No.	Mark*	Cas DD	ting MM	Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	RCC Slab (1:2:4) Lower G. F	13	2	2023	6x6x6		9	36	67	4169		Engraved
2	RCC Slab (1:2:4) Lower G. F	13	2	2023	6x6x6		8.8	36	59	3671		Engraved
3	RCC Slab (1:2:4) Lower G. F	13	2	2023	6x6x6		8.6	36	77	4791		Engraved
4												
5						HINE	RIATE					
6					2	READ IN	No.					
7						DHE NAME OF THY CORD VIND	-4	F				
8					188							
9							1					
10					- <	-LA	INRE					
11												
12												
13												
14												
15												
16												
Witness	ed 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 compressive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory



Resident Engin	Resident Engineer, DHQ Hospital Hafizabad. Master Consulting Engineers Pvt. Ltd. (Maconsult)										
Project: Consul Hafizabad (Gro	Project: Consultancy Service Resident Supervision for the Project Titled Up-gradation of D.H.Q Hospital Hafizabad (Group No.1) ADP No:768 for the Year 2021-2022.										
Our Ref. No. CL	/CED/ 1522	Dated:	20-03-23	<b>Test Specification</b>							
Your Ref. No.	MCE/DHQ Hfzd/23/40	Dated:	16-03-23	( BS 1881-116 )							



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

Specimens received on:		17-03-23		-23	Tested on:	20-03-23		in dry/wet condition				ONLINE REPORT
Sr. No.	Mark*	Cas	ting MM	Date*	Size (in)	Wet Weight (Ka/ ams)	Dry Weight (Ka/ ams)	Area of X-Section (Sg. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	RCC Wall (1:1.5:3) Lower G. F	14	2	2023	6x6x6		8.6	36	104	6471		Engraved
2	RCC Wall (1:1.5:3) Lower G. F	14	2	2023	6x6x6		8.8	36	112	6969		Engraved
3	RCC Wall (1:1.5:3) Lower G. F	14	2	2023	6x6x6		8.8	36	114	7093		Engraved
4												
5						HINE	RIATE					
6						READ N						
7						DHE NAME OF THY LORD WHO	4.4	B				
8					188			i Ma				
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Witness	sed by: Nil											

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Note: Above results pertain to the unsealed samples supplied to the laboratory



Resident	Engineer, DHQ Hospital Hafizabad. Master	Consulting Engineers Pvt.	Ltd. (Maconsult)								
Project: Hafizaba	Project: Consultancy Service Resident Supervision for the Project Titled Up-gradation of D.H.Q Hospital Hafizabad (Group No.2) ADP No:768 for the Year 2021-2022.										
Our Ref.	No. CL/CED/ 1523	Dated:	20-03-23	Test Specification							
Your Ref	No. MCE/DHQ Hfzd/23/41	Dated:	16-03-23	( BS 1881-116 )							



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

Specimens received on:		17-03-23		-23	Tested on:	20-03-23		in dry/wet condition				ONLINE REPORT
Sr. No.	Mark*	Cas	ting MM	Date*	Size	Wet Weight (Ka/ ams)	Dry Weight (Ka/ ams)	Area of X-Section	Ultimate Ioad	Ultimate Stress (nsi)	Water Absorpti on (%)	Remarks
1	RCC Col. (1:1.5:3)	15	2	2023	6x6x6		8.6	36	86	5351		Engraved
2	RCC Col. (1:1.5:3) Upper G. F	15	2	2023	6x6x6		9	36	86	5351		Engraved
3	RCC Col. (1:1.5:3) Upper G. F	15	2	2023	6x6x6		8.8	36	71	4418		Engraved
4												
5					/	HINE	RIATE					
6					)	NEAD IN	XUS D					
7						DHE NAME OF THY LORD WHO		EB				
8					- Isa			HN0				
9												
10					<	- [A						
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12												
13												
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16												
Witness	sed by: Nil											

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

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Note: Above results pertain to the unsealed samples supplied to the laboratory