

To:

Plain and Reinforced Concrete Laboratory

Civil Engineering Department

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.

5333 Dr. Asad Gillani

Engr. Sarmad Rasheed Khan Planning & Coordination Engineer, NETRACON Technologies (Pvt.) Ltd.

Project: WB-05A: Design Supply and Installation of 500KV Nowshera (New) Grid Station.

Our Ref. No. CL/	CED/ 2152	Dated:	15/06/2023	Test Specification
Your Ref. No.	NTT-HO/WB05A-120	Dated:	28/04/2023	(BS 3921**)

COMPRESSION TEST REPORT

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

Specime	ens received on:	02	2/06/2	2023	Tested on:	15/00	6/2023	in dry/wet	condition			je neo
Sr. No. Mark*			Wet Weight	Dry Weight	Area of X-Section	Ultimate Ioad	Ultimate Stress	Absorpti	Remarks			
		DD	MM	YYYY	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
1	PR1				8.8 x 4.2 x 3	3155	2870	36.96	45	2727	9.93	
2	PR1				8.7 x 4.2 x 2.7	3210	2860	36.54	43	2636	12.24	
3	PR1				8.8 x 4.3 x 3	3210	2795	37.84	41	2427	14.85	
4	PR1				8.8 x 4.3 x 2.9	3215	2855	37.84	49	2901	12.61	
5	PR1				8.8 x 4.3 x 2.9	3235	2870	37.84	43	2545	12.72	
6					-)	E READ IN	ROT					
7						THE NAME OF THY LORD WHO						
8												
9						2		5				
10					<	-14	IORF.					
11												
12												
13												
14												
15												
16												

NУ

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

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.



To: Engr's. Abdul Waheed, Project Engineer OZ Developers Pvt. Ltd.

Project: Constructing a High Rise Building "Bahria Sky" at Bahria Orchard Phase 4, Lahore.

Our Ref. No. CL/CED/ 2153	Dated:	15/06/2023	Test Specification
Your Ref. No. Nil	Dated:	15/06/2023	(ASTM C39)

ORIGINAL A carbon copy for the report has

been retained in

the lab for record.

5403 Dr. Umbreen

COMPRESSION TEST REPORT

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

Specime	ens received on:	15	5/06/2	2023	Tested on:	15/06	6/2023	in dry/wet	condition			
Sr. No.	Mark*		-	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		16	5	2023	6Diax12		13.4	28.28	73	5782		Non Engraved
2		16	5	2023	6Diax12		13.2	28.28	75	5941		Non Engraved
3		16	5	2023	6Diax12		13.4	28.28	77	6099		Non Engraved
4		17	5	2023	6Diax12		13.8	28.28	77	6099		Non Engraved
5		17	5	2023	6Diax12	EINE	13.2	28.28	75	5941		Non Engraved
6		17	5	2023	6Diax12		13.6	28.28	84	6653		Non Engraved
7		17	5	2023	6Diax12	DHE NAME	- 13.4	28.28	81	6416		Non Engraved
8						Lorenco		i \ Ma				
9							-	5/				
10					<	(A	IORE.					
11												
12												
13												
14												
15												
16												

Witnessed by: Engr. Abdul Waheed, OZ Developers

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

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.



15/06/2023

COMPRESS	SION TE	ST REP	ORT

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

OCC/CPD/28/183

Specimo	ens received on:	15	5/06/2	2023	Tested on:	15/06	6/2023	in dry/we	t condition			
Sr. No.	Mark*	Cas DD	-	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	Slab (4000 Psi)	8	6	2023	6Diax12		13	28.28	63	4990		Non Engraved
2	Slab (4000 Psi)	8	6	2023	6Diax12		13.8	28.28	77	6099		Non Engraved
3	Slab (4000 Psi)	8	6	2023	6Diax12		13	28.28	73	5782		Non Engraved
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
Witness	ed by:											

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

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

Your Ref. No.

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

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.

Director/Dy. Director Concrete Laboratory

Test Specification

(ASTM C39)



To: Mr. Sarfraz Ahmad, Project Manager BEMSOL Private Limited.

Project: Foundations (M~N /15~16) Bulleh Shah Packages Boiler 75 TPH.

Our Ref. No. CL/CED/ 2155	Dated:	15/06/2023	Test Specification
Your Ref. No. Nil	Dated:	15/06/2023	(BS 1881-116)

COMPRESSION TEST REPORT

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

ens received on:	15	5/06/2	2023	Tested on:	15/06	6/2023	in dry/wet	t condition			
Mark*	Cas DD			Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)			Stress	Water Absorpti on (%)	Remarks
Lab # 01	7	6	2023	6x6x6		8	36	81	5040		Non Engraved
Lab # 01	7	6	2023	6x6x6		7.4	36	73	4542		Non Engraved
Lab # 01	7	6	2023	6x6x6		8.4	36	74	4604		Non Engraved
	Mark* Lab # 01 Lab # 01 Lab # 01 	Mark* Case DD Lab # 01 7 Lab # 01 7 Lab # 01 7 Lab # 01 7 Lab # 01 7	Mark* Casting DD MM Lab # 01 7 6 Lab # 01 7 6	Mark* Casting Date* DD MM YYYY Lab # 01 7 6 2023 Lab # 01 7 6 2023	Mark* Casting Date* Size DD MM YYYY (in) Lab # 01 7 6 2023 6x6x6 Lab # 01 7 6 2023 6x6x6 <t< td=""><td>Mark* Casting Date* Size Wet Weight Weight DD MM YYYY (in) (Kg/gms) Lab # 01 7 6 2023 6x6x6 </td><td>Mark* Casting Date* Size Wet Weight Dry Weight DD MM YYYY (in) (Kg/ gms) (Kg/ gms) Lab # 01 7 6 2023 6x6x6 8 Lab # 01 7 6 2023 6x6x6 8.4 </td><td>Mark* $Casting Date*$ Size Wet Weight Weight Weight (Kg/gms) Area of X-Section (Kg/gms) Lab # 01 7 6 2023 6x6x6 8 36 Lab # 01 7 6 2023 6x6x6 8 36 Lab # 01 7 6 2023 6x6x6 8 36 Lab # 01 7 6 2023 6x6x6 8 36 Lab # 01 7 6 2023 6x6x6 8 36 8 36 9 36 8 36 </td><td>Mark* Casting Date* Size Wet Weight (Kg/ gms) Dry Weight (Kg/ gms) Area of Load Load Load Load Load Load Load Load</td><td>Mark* Casting Date* Size Wet Weight Weight (Kg/ gms) Area of X-Section Ioad Ultimate Stress (Ioad) Lab # 01 7 6 2023 $6x6x6$ 8 36 81 5040 Lab # 01 7 6 2023 $6x6x6$ 8 36 81 5040 Lab # 01 7 6 2023 $6x6x6$ 8.4 36 73 4542 Lab # 01 7 6 2023 $6x6x6$ 8.4 36 73 4542 Lab # 01 7 6 2023 $6x6x6$ 8.4 36 74 4604 8.4 36 74 4604 8.4 36 74 4604 <t< td=""><td>Mark* $Casting Date*$ Size Wet Weight (Kg/gms) Dry (Kg/gms) Area of X-Section (Sq. in) Ultimate load Ultimate Stress (psi) Water Absorption (%) Lab # 01 7 6 2023 6x6x6 8 36 81 5040 Lab # 01 7 6 2023 6x6x6 8.4 36 73 4542 Lab # 01 7 6 2023 6x6x6 8.4 36 74 4604 Lab # 01 7 6 2023 6x6x6 8.4 36 74 4604 Lab # 01 7 6 2023 6x6x6 8.4 36 74 4604 Lab # 01 7 6 2023 6x6x6 8.4 36 74 4604 </td></t<></td></t<>	Mark* Casting Date* Size Wet Weight Weight DD MM YYYY (in) (Kg/gms) Lab # 01 7 6 2023 6x6x6 Lab # 01 7 6 2023 6x6x6	Mark* Casting Date* Size Wet Weight Dry Weight DD MM YYYY (in) (Kg/ gms) (Kg/ gms) Lab # 01 7 6 2023 6x6x6 8 Lab # 01 7 6 2023 6x6x6 8.4	Mark* $Casting Date*$ Size Wet Weight Weight Weight (Kg/gms) Area of X-Section (Kg/gms) Lab # 01 7 6 2023 6x6x6 8 36 Lab # 01 7 6 2023 6x6x6 8 36 Lab # 01 7 6 2023 6x6x6 8 36 Lab # 01 7 6 2023 6x6x6 8 36 Lab # 01 7 6 2023 6x6x6 8 36 8 36 9 36 8 36	Mark* Casting Date* Size Wet Weight (Kg/ gms) Dry Weight (Kg/ gms) Area of Load Load Load Load Load Load Load Load	Mark* Casting Date* Size Wet Weight Weight (Kg/ gms) Area of X-Section Ioad Ultimate Stress (Ioad) Lab # 01 7 6 2023 $6x6x6$ 8 36 81 5040 Lab # 01 7 6 2023 $6x6x6$ 8 36 81 5040 Lab # 01 7 6 2023 $6x6x6$ 8.4 36 73 4542 Lab # 01 7 6 2023 $6x6x6$ 8.4 36 73 4542 Lab # 01 7 6 2023 $6x6x6$ 8.4 36 74 4604 8.4 36 74 4604 8.4 36 74 4604 <t< td=""><td>Mark* $Casting Date*$ Size Wet Weight (Kg/gms) Dry (Kg/gms) Area of X-Section (Sq. in) Ultimate load Ultimate Stress (psi) Water Absorption (%) Lab # 01 7 6 2023 6x6x6 8 36 81 5040 Lab # 01 7 6 2023 6x6x6 8.4 36 73 4542 Lab # 01 7 6 2023 6x6x6 8.4 36 74 4604 Lab # 01 7 6 2023 6x6x6 8.4 36 74 4604 Lab # 01 7 6 2023 6x6x6 8.4 36 74 4604 Lab # 01 7 6 2023 6x6x6 8.4 36 74 4604 </td></t<>	Mark* $Casting Date*$ Size Wet Weight (Kg/gms) Dry (Kg/gms) Area of X-Section (Sq. in) Ultimate load Ultimate Stress (psi) Water Absorption (%) Lab # 01 7 6 2023 6x6x6 8 36 81 5040 Lab # 01 7 6 2023 6x6x6 8.4 36 73 4542 Lab # 01 7 6 2023 6x6x6 8.4 36 74 4604 Lab # 01 7 6 2023 6x6x6 8.4 36 74 4604 Lab # 01 7 6 2023 6x6x6 8.4 36 74 4604 Lab # 01 7 6 2023 6x6x6 8.4 36 74 4604

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 compressive strength

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

1. The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)

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

Supervisor ((Lab)
--------------	-------



Dated:

15/06/2023

15/06/2023

Test Specification

(BS 1881-116)

Project: Bulleh Shah Packages Boiler 75 TPH.

Our Ref. No. CL/CED/ 2156

Your Ref. No. Nil

COMPRESSION TEST REPORT

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

Specime	ens received on:	15	5/06/2	2023	Tested on:	15/06	6/2023	in dry/wet	condition		г. [
Sr. No.	Mark*	Cas	-	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 # 17	17	5	2023	6x6x6		8.4	36	61	3796		Non Engraved	
2	TM # 17	17	5	2023	6x6x6		8.4	36	63	3920		Non Engraved	
3	TM # 17	17	5	2023	6x6x6		8.2	36	61	3796		Non Engraved	
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
Witness	ed by:												

IJУ

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

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.



Dated:

15/06/2023

15/06/2023

Test Specification

(BS 1881-116)

Project: Bulleh Shah Packages Boiler 75 TPH.

Our Ref. No. CL/CED/ 2157

Your Ref. No. Nil

COMPRESSION TEST REPORT

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

Specim	ens received on:	15/06/2023 Tested on:		15/06	6/2023	in dry/wet	condition					
Sr. No.	Mark*	Cas DD	_	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 # 18	18	5	2023	6x6x6		8.4	36	73	4542		Non Engraved
2	TM # 18	18	5	2023	6x6x6		8.4	36	81	5040		Non Engraved
3	TM # 18	18	5	2023	6x6x6		8.4	36	88	5476		Non Engraved
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
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 compressive strength

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

1. The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)

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



Dated:

15/06/2023

15/06/2023

Test Specification

(BS 1881-116)

Project: Bulleh Shah Packages Boiler 75 TPH.

Our Ref. No. CL/CED/ 2158

Your Ref. No. Nil

COMPRESSION TEST REPORT

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

Specimens received on: 15/06				2023	Tested on:	15/06	6/2023	in dry/wet	condition			
Sr. No.	Mark*	Cas DD	-	Date*	Size (in)	Wet Weight (Ka/ ams)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate Ioad (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	TM # 19	18	5	2023	6x6x6		8.6	36	101	6284		Non Engraved
2	TM # 19	18	5	2023	6x6x6		8.8	36	81	5040		Non Engraved
3	TM # 19	18	5	2023	6x6x6		9	36	86	5351		Non Engraved
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
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 comprensive strength

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

1. The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)

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



To: Mr. Abdul Kareem Tahir Head Coordination and Development, Adabistan-e-Soophia, Lahore.

Project: Nil			
Our Ref. No. CL/CED/ 2159	Dated:	15/06/2023	Test Specification
Your Ref. No. AES/23/16208	Dated:	08/06/2023	(ASTM C39)

COMPRESSION TEST REPORT

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

Specime	ens received on:	08	8/06/2	2023	Tested on:	15/06	6/2023	in dry/wet	condition			
Sr. No.	Mark*	Cas DD	-	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		14	5	2023	6Diax12		13.6	28.28	37	2931		Non Engraved
2		14	5	2023	6Diax12		13	28.28	33	2614		Non Engraved
3		14	5	2023	6Diax12		13.2	28.28	35	2772		Non Engraved
4												
5						GINE	RIATE					
6					-)		9.0Th					
7						THE NAME OF THY LORD WHO	1. Starter					
8												
9												
10					<	-14	IDRE .					
11												
12												
13												
14												
15												
16												
Vitness	ed by: Nil					<u>.</u>	I	.		ł		

sea 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 comprensive strength

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

1. The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)

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

Supervisor (Lab)



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

> 5385 Dr. Umbreen

To: Eng. Asad Rashid Choudhary, P.E

Speed Construction Management (SCM), Lahore.

Project: Construction of KIPS School Building at Plot No. 116B Campus View Town, Lahore.

Our Ref. No. CL/CEI	D/ 2160	Dated:	16/06/2023	Test Specification
Your Ref. No.	SCM-CVP-13-23	Dated:	12/06/2023	(ASTM C39)

Mobile: 0307-0496895

COMPRESSION TEST REPORT

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

Specime	ens received on:	12	2/06/2	2023	Tested on:	15/06	6/2023	in dry/wet	condition			ONLINE REPORT
Sr. No.	Mark*	Cas DD	-	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		3	6	2023	6Diax12		13.4	28.28	35	2772		Non Engraved
2		3	6	2023	6Diax12		13.4	28.28	37	2931		Non Engraved
3		3	6	2023	6Diax12		13.6	28.28	31	2455		Non Engraved
4		3	6	2023	6Diax12		13.6	28.28	31	2455		Engraved
5		3	6	2023	6Diax12	GINE	13.2	28.28	49	3881		Engraved
6		3	6	2023	6Diax12		-13	28.28	33	2614		Engraved
7						THE NAME	میں بڑی۔ اور کار خلک را	2-				
8												
9						-		7				
10					<	/ A	ORt					
11												
12												
13												
14												
15												
16												

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

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.



To: Mr. Munawar Ali, Material Engineer/Amcorp AMCORP Engineering & Construction (Pvt) Ltd.

Project: Construction of ABL, Upper Mall Lahore. Plot No. 199 & 200-B.

Our Ref. No. CL/C	ED/ 2161	Dated:	16/06/2023	Test Specification
Your Ref. No.	ABL-UML-AMC-QAQC-07	Dated:	09/06/2023	(ASTM C39)

COMPRESSION TEST REPORT

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

Specime	ens received on:	09	9/06/2	2023	Tested on:	15/0	6/2023	in dry/wet	condition			
Sr. No.	Mark*	Cas DD	-	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	Lean Concrete Under Raft	27	5	2023	6Diax12		12.6	28.28	33	2614		Non Engraved
2	Lean Concrete Under Raft	27	5	2023	6Diax12		12.8	28.28	34	2693		Non Engraved
3	Lean Concrete Under Raft	27	5	2023	6Diax12		13	28.28	31	2455		Non Engraved
4												
5						GINE	RIATE					
6)	READ IN						
7						DEF NAME OF THY LORD WHO	1. (j	E0				
8					8.8	I ONEATED		i\ No				
9						-						
10							ORt					
11												
12												
13												
14												
15												
16												
_	ed by: Nil		<u> </u>									

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

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.

Director/Dy. Director Concrete Laboratory

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

> 5366 Dr. Umbreen



Project: Burj-1 by AJWA Builders			
Our Ref. No. CL/CED/ 2162	Dated:	16/06/2023	Test Specification
Your Ref. No. DOC-BMC/AJWA/073	Dated:	07/06/2023	(ASTM C39)

COMPRESSION TEST REPORT

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

Specimo	ens received on:	07	7/06/2	2023	Tested on:	15/06	6/2023	in dry/wet	condition			
Sr. No.	Mark*	Cas DD	-	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	Shear Wall (6000 Psi)	8	5	2023	6Diax12		14	28.28	112	8871		Non Engraved
2	Shear Wall (6000 Psi)	8	5	2023	6Diax12		14.2	28.28	114	9030		Non Engraved
3	Shear Wall (6000 Psi)	8	5	2023	6Diax12		14.4	28.28	104	8238		Non Engraved
4												
5						GINE	RIATE					
6)	READ IN						
7						THE NAME	1.000	19				
8					- 88			NN NN				
9						-						
10					<	/ A	ORt					
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/

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

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.



To: Mr. Munawar Ali, Material Engineer/Amcorp AMCORP Engineering & Construction (Pvt) Ltd.

Project: Construction of ABL Proposed Commercial Building Sundar Industrial Estate Plot # 12.

Our Ref. No. CL/	CED/ 2163	Dated:	16/06/2023	Test Specification
Your Ref. No.	ABL-UML-AMC-QAQC-09	Dated:	09/06/2023	(ASTM C39)

COMPRESSION TEST REPORT

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

Size (in) 6Diax12 6Diax12 6Diax12 	(Kg/ gms) (K 		28.28	Ultimate load (Imp.Tons) 43	Ultimate Stress (psi) 3406	Water Absorpti on (%)	Remarks
6Diax12 6Diax12				43	3406		
6Diax12		13.4	00.00				Non Engraved
			28.28	45	3564		Non Engraved
		13	28.28	43	3406		Non Engraved
	ENER	INTE .					
)							
	LORD WHO	السارية.	-				
		&					
<	ZA 10	Rt-					
1 1							
			 	Image: line Image: line	Image: state Image: state<	Image: state Image: state<	Image: state Image: state<

Dy.

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

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.

Director/Dy. Director Concrete Laboratory

ORIGINAL A carbon copy for

the report has been retained in

the lab for record.

5366 Dr. Umbreen



Project: Burj-1 by AJWA Builders			
Our Ref. No. CL/CED/ 2164	Dated:	16/06/2023	Test Specification
Your Ref. No. DOC-BMC/AJWA/072	Dated:	07/06/2023	(ASTM C39)

COMPRESSION TEST REPORT

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

Specim	ens received on:	07	7/06/2	2023	Tested on:	15/06	6/2023	in dry/wet	condition			
Sr. No.	Mark*	Cas DD	-	Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)		Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	Lift well wall#05 grid#H'-H/3'-4'	6	5	2023	6Diax12		14	28.28	128	10139		Non Engraved
2	Lift well wall#05 grid#H'-H/3'-4'	6	5	2023	6Diax12		14.2	28.28	122	9663		Non Engraved
3	Lift well wall#05 grid#H'-H/3'-4'	6	5	2023	6Diax12		14.4	28.28	120	9505		Non Engraved
4												
5						EINE	RINTE					
6						READIN						
7						THE NAME OF THY LORD WHO						
8					88 /							
9												
10						/ A	IOR ^L					
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/

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

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.



Project: Burj-1 by AJWA Builders			
Our Ref. No. CL/CED/ 2165	Dated:	16/06/2023	Test Specification
Your Ref. No. DOC-BMC/AJWA/078	Dated:	12/06/2023	(ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 12/06/2023 Tested on: 15/06/2023 in dry/wet condition												
Sr. No.	Mark*	Cas DD	-	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	Trial Mix Design 4000Psi	2	6	2023	6Diax12		14	28.28	70	5545		Non Engraved
2	Trial Mix Design 4000Psi	2	6	2023	6Diax12		14	28.28	75	5941		Non Engraved
3	Trial Mix Design 4000Psi	2	6	2023	6Diax12		14.4	28.28	64	5069		Non Engraved
4												
5						GINE	RIATE					
6)	T READ IN						
7						THE NAME	1.000	03				
8					- 88			NN NN				
9												
10					<	/ A	ORt					
11												
12												
13												
14												
15												
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 comprensive strength

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

1. The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)

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



Project: Burj-1 by AJWA Builders			
Our Ref. No. CL/CED/ 2166	Dated:	16/06/2023	Test Specification
Your Ref. No. DOC-BMC/AJWA/080	Dated:	12/06/2023	(ASTM C39)

COMPRESSION TEST REPORT

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

Specim	ens received on:	12	2/06/2	2023	Tested on:	15/06	6/2023	in dry/wet	condition			
Sr. No.	Mark*	Cas DD	-	Date* YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)		Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	Lift well wall (6000 Psi)	14	5	2023	6Diax12		14	28.28	65	5149		Non Engraved
2	Lift well wall (6000 Psi)	14	5	2023	6Diax12		14	28.28	78	6178		Non Engraved
3	Lift well wall (6000 Psi)	14	5	2023	6Diax12		14	28.28	62	4911		Non Engraved
4												
5						GINE	RIATE					
6					-).		2.07					
7						THE NAME	ا <u>سر بال</u>	133				
8												
9						-	- 3	7				
10					<	/ A	ORt					
11												
12												
13												
14												
15												
16												
Witnessed by: Nil												

iessea 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 comprensive strength

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

1. The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)

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



Project: Burj-1 by AJWA Builders			
Our Ref. No. CL/CED/ 2167	Dated:	16/06/2023	Test Specification
Your Ref. No. DOC-BMC/AJWA/079	Dated:	12/06/2023	(ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 12/06/2023 Tested on: 15/06/2023 in dry/wet condition												
Sr. No.	Mark*	Cas DD	-	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	Lift well wall #04 Grids# D-D'/3-4'	14	5	2023	6Diax12		14	28.28	73	5782		Non Engraved
2	Lift well wall #04 Grids# D-D'/3-4'	14	5	2023	6Diax12		14	28.28	67	5307		Non Engraved
3	Lift well wall #04 Grids# D-D'/3-4'	14	5	2023	6Diax12		14	28.28	75	5941		Non Engraved
4												
5						GINE	RIATE					
6					-)		2.01					
7						THE NAME	المدرعي	2				
8								NN Ni				
9						-	-					
10					<	/ A	IORE					
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 comprensive strength

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

1. The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)

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

		(Universi	and Reinforced C Civil Engineering D ty of Engineering and Techno 2-99029245 & 042-99029202	epartment	tan	ORIGINAL A carbon copy for the report has been retained in the lab for record.
						5373 Dr. M. Yousaf
То:		nt Resident En onsultancy Pvt	0			
	Project:	PCP (Phase-II)) Construction of SWM in MC, M	uridke		
	Our Ref	. No. CL/CED/	2168	Dated	l: 15/06/2023	Test Specification

04/06/2023

(BS 1881-116)

COMPRESSION TEST REPORT

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

488-J01-ARE-2(MDK-P)/31

Specime	ens received on:	09	/06/2	2023	Tested on:	15/06/2023 in dry/wet condition						
Sr. No.	Mark*	Cas DD	-	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	Column Footing (1:2:4)	10	5	23	6x6x6		8.2	36	79	4916		Non Engraved
2	Column Footing (1:2:4)	10	5	23	6x6x6		8.4	36	69	4293		Non Engraved
3												
4												
5					- /	GINE	RIATE					
6					-).		2.01					
7						THE NAME		103				
8					8.8			i \ Ma				
9												
10					<		OR L					
11												
12												
13												
14												
15												
16												

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

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

Your Ref. No.

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

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



To: Assistant Resident Engineer

JERS Consultancy Pvt. Ltd. Lahore.

Project: PCP (Phase-II) Construction of SWM Parking Shed in MC, Muridke

Our Ref. No. CL/C	ED/ 2169	Dated:	15/06/2023	Test Specification
Your Ref. No.	488-J01-ARE-2(MDK-P)/29	Dated:	04/06/2023	(BS 1881-116)

COMPRESSION TEST REPORT

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

Specim	ens received on:	09	/06/2	2023	Tested on:	15/06	6/2023	in dry/wet	condition			
Sr. No.	Mark*	Cas DD	•	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	Columns (1:1.5:3)	12	5	23	6x6x6		8.2	36	60	3733		Non Engraved
2	Columns (1:1.5:3)	12	5	23	6x6x6		8.6	36	60	3733		Non Engraved
3												
4												
5						GINE	RIATE					
6					-)		ROT					
7						THE NAME	المدرعي	2				
8												
9						-	-	N				
10					<		IORE					
11												
12												
13												
14												
15												
16												
Witness	Witnessed by: Nil											

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 comprensive strength

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

1. The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)

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



Plain and Reinforced Concrete Laboratory

Civil Engineering Department

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.

5373 Dr. M. Yousaf

To: Assistant Resident Engineer JERS Consultancy Pvt. Ltd. Lahore.

Project: PCP (Phase-II) Construction of SWM in MC, Muridke

Our Ref. No. CL/	CED/ 2170	Dated:	15/06/2023	Test Specification
Your Ref. No.	488-J01-ARE-2(MDK-PS)/30	Dated:	04/06/2023	()

COMPRESSION TEST REPORT

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

Specimens received on: 09/06/2023 Tested on: 15/06/2023 in dry/wet condition

											THE CONSTRUCTION OF THE
r. No. Mark*		ting	Date*	Size	Wet Weight	Dry Weight	Area of X-Section	Ultimate Ioad	Ultimate Stress	Water Absorpti	Remarks
	DD	мм	ΥΥΥΥ	(in)	(Kg/ gms)	(Kg/ gms)	(Sq. in)	(Imp.Tons)	(psi)	on (%)	
DA				8.4 x 4 x 2.8	3330	3050	33.6	43	2867	9.18	
DA				8.6 x 4.2 x 2.9	3300	2955	36.12	29	1798	11.68	
DA				8.5 x 4.2 x 2.8	3245	2935	35.7	39	2447	10.56	
DA				8.4 x 4.1 x 2.8	3165	2840	34.44	40	2602	11.44	
					Filling						
				-	THE NAME		÷				
				1	CREATES	الذي طلق م	H				
							5				
				(INRE					
	DA DA DA DA CA CA CA CA CA CA CA CA CA CA CA CA CA	Mark* DD DA TOA TOA	Mark* DD MM DA DA	DD MM YYYY DA DA <td>Mark* DD MM YYYY (in) DA 8.4 x 4 x 2.8 DA 8.6 x 4.2 x 2.9 DA 8.6 x 4.2 x 2.9 DA 8.5 x 4.2 x 2.8 DA 8.5 x 4.2 x 2.8 DA 8.5 x 4.2 x 2.8 DA 8.4 x 4.1 x 2.8 </td> <td>Mark* Casting Date* Size Weight DD MM YYYY (in) (Kg/ gms) DA 8.4 x 4 x 2.8 3330 DA 8.6 x 4.2 x 2.9 3300 DA 8.5 x 4.2 x 2.8 3245 DA 8.5 x 4.2 x 2.8 3165 DA 8.4 x 4.1 x 2.8 3165 DA 8.4 x 4.1 x 2.8 3165 8.4 x 4.1 x 2.8 3165 8.4 x 4.1 x 2.8 3165 <</td> <td>Mark* Casting Date Size Weight Weight DD MM YYYY (in) (Kg/ gms) (Kg/ gms) DA 8.4 x 4 x 2.8 3330 3050 DA 8.4 x 4 x 2.8 3330 2955 DA 8.5 x 4.2 x 2.9 3300 2955 DA 8.5 x 4.2 x 2.8 3245 2935 DA 8.4 x 4.1 x 2.8 3165 2840 8.4 x 4.1 x 2.8 3165 2840 8.4 x 4.1 x 2.8 3165 2840 <!--</td--><td>Mark* Casting Date* Size Weight Weight Weight (Kg/ gms) X-Section (Sq. in) DA 8.4 x 4 x 2.8 3330 3050 33.6 DA 8.4 x 4 x 2.8 3330 3050 33.6 DA 8.6 x 4.2 x 2.9 3300 2955 36.12 DA 8.5 x 4.2 x 2.8 3245 2935 35.7 DA 8.4 x 4.1 x 2.8 3165 2840 34.44 8.4 x 4.1 x 2.8 3165 2840 34.44 <td< td=""><td>Mark* Casting Date* Size Weight Weight (in) Weight (Kg/gms) X-Section (Sq. in) load (Imp.Tons) DA 8.4 x 4 x 2.8 3330 3050 33.6 43 DA 8.4 x 4 x 2.8 3330 3050 33.6 43 DA 8.6 x 4.2 x 2.9 3300 2955 36.12 29 DA 8.5 x 4.2 x 2.8 3245 2935 35.7 39 DA 8.4 x 4.1 x 2.8 3165 2840 34.44 40 8.4 x 4.1 x 2.8 3165 2840 34.44 40 8.4 x 4.1 x 2.8 3165 2840 34.44 40 8.4 x 4.1 x 2.8 3165 2840 34.44 40 </td><td>Mark* Casting Date* Size Weight Weight Weight Weight (Kg/ gms) X-Section (Imp. Tons) (psi) Load (Imp. Tons) (psi) DA 8.4 x 4 x 2.8 3330 3050 33.6 43 2867 DA 8.6 x 4.2 x 2.9 3300 2955 36.12 29 1798 DA 8.5 x 4.2 x 2.8 3245 2935 35.7 39 2447 DA 8.5 x 4.2 x 2.8 3165 2840 34.44 40 2602 8.5 x 4.2 x 2.8 3165 2840 34.44 40 2602 </td><td>Mark* Casting Date* Size Wet Weight Dry Weight (Kg/ gms) Area of (Kg/ gms) Ultimate A.Section (Sq. in) Ultimate Ioad Water Absorption (mp.Tons) DA 8.4 x 4 x 2.8 3330 3050 33.6 43 2867 9.18 DA 8.6 x 4.2 x 2.9 3300 2955 36.12 29 1798 11.68 DA 8.5 x 4.2 x 2.8 3245 2935 35.7 39 2447 10.56 DA 8.4 x 4.1 x 2.8 3165 2840 34.44 40 2602 11.44 </td></td<></td></td>	Mark* DD MM YYYY (in) DA 8.4 x 4 x 2.8 DA 8.6 x 4.2 x 2.9 DA 8.6 x 4.2 x 2.9 DA 8.5 x 4.2 x 2.8 DA 8.5 x 4.2 x 2.8 DA 8.5 x 4.2 x 2.8 DA 8.4 x 4.1 x 2.8	Mark* Casting Date* Size Weight DD MM YYYY (in) (Kg/ gms) DA 8.4 x 4 x 2.8 3330 DA 8.6 x 4.2 x 2.9 3300 DA 8.5 x 4.2 x 2.8 3245 DA 8.5 x 4.2 x 2.8 3165 DA 8.4 x 4.1 x 2.8 3165 DA 8.4 x 4.1 x 2.8 3165 8.4 x 4.1 x 2.8 3165 8.4 x 4.1 x 2.8 3165 <	Mark* Casting Date Size Weight Weight DD MM YYYY (in) (Kg/ gms) (Kg/ gms) DA 8.4 x 4 x 2.8 3330 3050 DA 8.4 x 4 x 2.8 3330 2955 DA 8.5 x 4.2 x 2.9 3300 2955 DA 8.5 x 4.2 x 2.8 3245 2935 DA 8.4 x 4.1 x 2.8 3165 2840 8.4 x 4.1 x 2.8 3165 2840 8.4 x 4.1 x 2.8 3165 2840 </td <td>Mark* Casting Date* Size Weight Weight Weight (Kg/ gms) X-Section (Sq. in) DA 8.4 x 4 x 2.8 3330 3050 33.6 DA 8.4 x 4 x 2.8 3330 3050 33.6 DA 8.6 x 4.2 x 2.9 3300 2955 36.12 DA 8.5 x 4.2 x 2.8 3245 2935 35.7 DA 8.4 x 4.1 x 2.8 3165 2840 34.44 8.4 x 4.1 x 2.8 3165 2840 34.44 <td< td=""><td>Mark* Casting Date* Size Weight Weight (in) Weight (Kg/gms) X-Section (Sq. in) load (Imp.Tons) DA 8.4 x 4 x 2.8 3330 3050 33.6 43 DA 8.4 x 4 x 2.8 3330 3050 33.6 43 DA 8.6 x 4.2 x 2.9 3300 2955 36.12 29 DA 8.5 x 4.2 x 2.8 3245 2935 35.7 39 DA 8.4 x 4.1 x 2.8 3165 2840 34.44 40 8.4 x 4.1 x 2.8 3165 2840 34.44 40 8.4 x 4.1 x 2.8 3165 2840 34.44 40 8.4 x 4.1 x 2.8 3165 2840 34.44 40 </td><td>Mark* Casting Date* Size Weight Weight Weight Weight (Kg/ gms) X-Section (Imp. Tons) (psi) Load (Imp. Tons) (psi) DA 8.4 x 4 x 2.8 3330 3050 33.6 43 2867 DA 8.6 x 4.2 x 2.9 3300 2955 36.12 29 1798 DA 8.5 x 4.2 x 2.8 3245 2935 35.7 39 2447 DA 8.5 x 4.2 x 2.8 3165 2840 34.44 40 2602 8.5 x 4.2 x 2.8 3165 2840 34.44 40 2602 </td><td>Mark* Casting Date* Size Wet Weight Dry Weight (Kg/ gms) Area of (Kg/ gms) Ultimate A.Section (Sq. in) Ultimate Ioad Water Absorption (mp.Tons) DA 8.4 x 4 x 2.8 3330 3050 33.6 43 2867 9.18 DA 8.6 x 4.2 x 2.9 3300 2955 36.12 29 1798 11.68 DA 8.5 x 4.2 x 2.8 3245 2935 35.7 39 2447 10.56 DA 8.4 x 4.1 x 2.8 3165 2840 34.44 40 2602 11.44 </td></td<></td>	Mark* Casting Date* Size Weight Weight Weight (Kg/ gms) X-Section (Sq. in) DA 8.4 x 4 x 2.8 3330 3050 33.6 DA 8.4 x 4 x 2.8 3330 3050 33.6 DA 8.6 x 4.2 x 2.9 3300 2955 36.12 DA 8.5 x 4.2 x 2.8 3245 2935 35.7 DA 8.4 x 4.1 x 2.8 3165 2840 34.44 8.4 x 4.1 x 2.8 3165 2840 34.44 <td< td=""><td>Mark* Casting Date* Size Weight Weight (in) Weight (Kg/gms) X-Section (Sq. in) load (Imp.Tons) DA 8.4 x 4 x 2.8 3330 3050 33.6 43 DA 8.4 x 4 x 2.8 3330 3050 33.6 43 DA 8.6 x 4.2 x 2.9 3300 2955 36.12 29 DA 8.5 x 4.2 x 2.8 3245 2935 35.7 39 DA 8.4 x 4.1 x 2.8 3165 2840 34.44 40 8.4 x 4.1 x 2.8 3165 2840 34.44 40 8.4 x 4.1 x 2.8 3165 2840 34.44 40 8.4 x 4.1 x 2.8 3165 2840 34.44 40 </td><td>Mark* Casting Date* Size Weight Weight Weight Weight (Kg/ gms) X-Section (Imp. Tons) (psi) Load (Imp. Tons) (psi) DA 8.4 x 4 x 2.8 3330 3050 33.6 43 2867 DA 8.6 x 4.2 x 2.9 3300 2955 36.12 29 1798 DA 8.5 x 4.2 x 2.8 3245 2935 35.7 39 2447 DA 8.5 x 4.2 x 2.8 3165 2840 34.44 40 2602 8.5 x 4.2 x 2.8 3165 2840 34.44 40 2602 </td><td>Mark* Casting Date* Size Wet Weight Dry Weight (Kg/ gms) Area of (Kg/ gms) Ultimate A.Section (Sq. in) Ultimate Ioad Water Absorption (mp.Tons) DA 8.4 x 4 x 2.8 3330 3050 33.6 43 2867 9.18 DA 8.6 x 4.2 x 2.9 3300 2955 36.12 29 1798 11.68 DA 8.5 x 4.2 x 2.8 3245 2935 35.7 39 2447 10.56 DA 8.4 x 4.1 x 2.8 3165 2840 34.44 40 2602 11.44 </td></td<>	Mark* Casting Date* Size Weight Weight (in) Weight (Kg/gms) X-Section (Sq. in) load (Imp.Tons) DA 8.4 x 4 x 2.8 3330 3050 33.6 43 DA 8.4 x 4 x 2.8 3330 3050 33.6 43 DA 8.6 x 4.2 x 2.9 3300 2955 36.12 29 DA 8.5 x 4.2 x 2.8 3245 2935 35.7 39 DA 8.4 x 4.1 x 2.8 3165 2840 34.44 40 8.4 x 4.1 x 2.8 3165 2840 34.44 40 8.4 x 4.1 x 2.8 3165 2840 34.44 40 8.4 x 4.1 x 2.8 3165 2840 34.44 40	Mark* Casting Date* Size Weight Weight Weight Weight (Kg/ gms) X-Section (Imp. Tons) (psi) Load (Imp. Tons) (psi) DA 8.4 x 4 x 2.8 3330 3050 33.6 43 2867 DA 8.6 x 4.2 x 2.9 3300 2955 36.12 29 1798 DA 8.5 x 4.2 x 2.8 3245 2935 35.7 39 2447 DA 8.5 x 4.2 x 2.8 3165 2840 34.44 40 2602 8.5 x 4.2 x 2.8 3165 2840 34.44 40 2602	Mark* Casting Date* Size Wet Weight Dry Weight (Kg/ gms) Area of (Kg/ gms) Ultimate A.Section (Sq. in) Ultimate Ioad Water Absorption (mp.Tons) DA 8.4 x 4 x 2.8 3330 3050 33.6 43 2867 9.18 DA 8.6 x 4.2 x 2.9 3300 2955 36.12 29 1798 11.68 DA 8.5 x 4.2 x 2.8 3245 2935 35.7 39 2447 10.56 DA 8.4 x 4.1 x 2.8 3165 2840 34.44 40 2602 11.44

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 comprensive 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.

