

## Plain and Reinforced Concrete Laboratory **Civil Engineering Department**

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



7316 Dr. Umbreen

**Test Specification** 

(BS 1881-116)

#### To: Mr. M. Usman Rauf

Resident Engineer, NESPAK (Pvt.) Ltd. Highways and Transportation Engineering Division. Project: Repair/Maintenance of Street Govt. School and Link Baba Fazal Din & Ali Masjid, Naseem Abad Patwari Sufi Qamar Din Wali, PCC & Sewerage Attakay Awan Wahga Zone Lahore.(MCL Projects) Our Ref. No. CL/CED/ 5326 18-07-24 Dated: Dated: 12-06-24

Your Ref. No. 4084/103/MUR/104/1868

## COMPRESSION TEST REPORT

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

Specim	ens received on:	1	3-06	-24	Tested on:	18-0	)7-24	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 Stress (psi)	Water Absorpti on (%)	Remarks
1		18	3	2024	6x6x6		8.4	36	62	3858		Non Engraved
2		18	3	2024	6x6x6		8.8	36	79	4916		Non Engraved
3		18	3	2024	6x6x6		9	36	70	4356		Non Engraved
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5					<	STATI	RING					
6					/ 4	READ IN	2071	<b>X</b>				
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16												
Witness	ed by: Nil											

#### witnessea by: Nii

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

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

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

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

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



7451 Dr. Umbreen

**Test Specification** 

(BS 1881-116)

#### To: Mr. M. Usman Rauf

Resident Engineer, NESPAK (Pvt.) Ltd. Highways and Transportation Engineering Division.Project: Restoration of Road Cut to Lay Optical Fiber Cable for Link Dot Net Telecom at Section LahoreCenter to Lahore Beden and Location Bird Wood Road Katcha Lawrence Road Mall Road Chinwang RoadOur Ref. No. CL/CED/5327Dated:18-07-24

Dated:

08-07-24

Your Ref. No. 4084/103/MUR/104/1874

## **COMPRESSION TEST REPORT**

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

Specim	ens received on:	1	5-07	-24	Tested on:	18-0	)7-24	in dry/we	t 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 Ioad (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1		8	6	2024	6x6x6		8.6	36	44	2738		Non Engraved
2		8	6	2024	6x6x6		8.8	36	64	3982		Non Engraved
3		8	6	2024	6x6x6		8.4	36	87	5413		Non Engraved
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5					<	THINE	RING					
6					)	READ IN	2071					
7						OF THY BORD WHO OREATES	ز <del>ب</del> ک ا الد فی خلق ر					
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14												
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Witness	ed by: Nil											

#### Witnessed by: Nil

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

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



**Civil Engineering Department** 

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

7454 Dr. Umbreen

To: Mr. M. Imran Khan

Material Engineer , ECSP (Pvt.) Ltd.

Project: Construction of MPA's Hostel Lahore, Phase-II Group No.1 (M/s Iftikhar & Co.)

Our Ref. No. CL/	CED/ 5328	Dated:	18-07-24	Test Specification
Your Ref. No.	340/ECSP/MPA/ME/90	Dated:	28-06-24	( BS 1881-116 )

## **COMPRESSION TEST REPORT**



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

Specim	ens received on:	1	5-07	-24	Tested on:	on: 18-07-24 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 load (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	Basement Lower Slab(K-Q/1-5)	31	5	2024	6x6x6		9	36	115	7156		Engraved
2	Basement Lower Slab(K-Q/1-5)	31	5	2024	6x6x6		8.4	36	74	4604		Engraved
3	Basement Lower Slab(K-Q/1-5)	31	5	2024	6x6x6		8.2	36	74	4604		Engraved
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Witness	ed by: Nil				-		•	•				

#### lithessea by: NI

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Supervisor (Lab)



**Civil Engineering Department** 

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7454 Dr. Umbreen

**Test Specification** 

(BS 1881-116)

#### To: Mr. Umair Latif

Development Engineer, Office of the Chief Engineer, University of the Punjab.Project: Construction of First Floor of Institute of Microbiology & Molecular Genetics at Q.A.C. University of<br/>the Punjab, Lahore. (M/s Allied Engineers)Our Ref. No. CL/CED/5329Dated:18-07-24Your Ref. No.D-3821-DEDated:15-07-24

## **COMPRESSION TEST REPORT**

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

Specime	ens received on:	1	5-07	-24	Tested on:	18-0	)7-24	in dry/we	t 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 Ioad (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	FF Col. (1:1.5:3)	5	6	2024	6x6x6		9	36	115	7156		Non Engraved
2	FF Col. (1:1.5:3)	5	6	2024	6x6x6		9	36	102	6347		Non Engraved
3	FF Col. (1:1.5:3)	5	6	2024	6x6x6		9	36	115	7156		Non Engraved
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#### Witnessed by: Nil

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

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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.



**Civil Engineering Department** 

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

7448 Dr. Umbreen

#### To: S & S Associates

Plot # 67, Trade Center Block, Ayoub Chowk, Johar Town, Lahore.

Project: Construction of Heifer Shed 11 & 12 at Bin Riaz Farm, Pattoki. (Column, Shed 12, Grid 3~4, Line D, Grid 7~8, Line D~C)

Our Ref. No. CL/CED/ 5330	Dated:	18-07-24	Test Specification
Your Ref. No. BRD(HS24)/024	Dated:	15-07-24	(BS 1881-116)

## COMPRESSION TEST REPORT



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

Specim	ens received on:	1	5-07	-24	Tested on:	18-0	)7-24	in dry/wet condition			ONLINE REPORT	
Sr. No.	Mark*		-	Date*	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	(1:1.5:3)	8	7	2024	6x6x6		8.4	36	105	6533		Non Engraved
2	(1:1.5:3)	8	7	2024	6x6x6		8.6	36	95	5911		Non Engraved
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5						NHNE	RING					
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15												
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Vitness	ed by: Nil											

#### witnessea by: Nii

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

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

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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.



**Civil Engineering Department** 

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

7448 Dr. Umbreen

#### To: S & S Associates

Plot # 67, Trade Center Block, Ayoub Chowk, Johar Town, Lahore.

Project: Construction of Heifer Shed 11 & 12 at Bin Riaz Farm, Pattoki. (RCC Footing, Shed 12, Grid 6~12, Line B-C)

Our Ref. No. CL/	CED/ 5331	Dated:	18-07-24	Test Specification
Your Ref. No.	BRD(HS24)/022	Dated:	15-07-24	( BS 1881-116 )

## **COMPRESSION TEST REPORT**



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

Specim	ens received on:	1	5-07	-24	Tested on:	18-0	)7-24	in dry/we	t 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	(1:2:4)	14	6	2024	6x6x6		9	36	50	3111		Non Engraved
2	(1:2:4)	14	6	2024	6x6x6		8.4	36	48	2987		Non Engraved
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Nitness	ed by: Nil			•					•			

#### witnessea by: Nii

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To: CW Manager ALPHACON

Project: DG, ODU & Tower Foundation, Site ID: 53584

Our Ref. No. CL/CED/ 5332	Dated:	18-07-24	Test Specification
Your Ref. No. Nil	Dated:	Nil	( BS 1881-116 )

## **COMPRESSION TEST REPORT**

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

Specim	ens received on:	1	5-07	-24	Tested on:	18-0	)7-24	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	(1:1.5:3) & (1:4:8)	14	6	2024	6x6x6		8.2	36	113	7031		Non Engraved
2	(1:1.5:3) & (1:4:8)	14	6	2024	6x6x6		8.2	36	94	5849		Non Engraved
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	ed by: Nil											

#### Witnessed by: Nil

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**Civil Engineering Department** 

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7425 Dr. Umbreen

To: Mr. Muhammad Sohail Anjum MS IT Tower, Lahore.

Project: Construction of TMS IT Tower at Plot 450, 451, Johar Town Lahore.

Our Ref. No. CL/	CED/ 5333	Dated:	18-07-24	Test Specification
Your Ref. No.	MSITT/UET/2024/C-023	Dated:	10-07-24	(ASTM C39)

## **COMPRESSION TEST REPORT**



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

Specim	ens received on:	1	1-07	-24	Tested on:	18-0	)7-24	in dry/we	t condition			ONLINE REPORT
Sr. No.	Mark*		-	Date*	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)		Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	No.80 (5000 Psi)	30	5	2024	6Diax12		14	28.28	87	6891		Non Engraved
2	No.82 (5000 Psi)	30	5	2024	6Diax12		14	28.28	76	6020		Non Engraved
3	No.83 (5000 Psi)	30	5	2024	6Diax12		13.4	28.28	74	5861		Non Engraved
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Witness	ed by: Nil											

#### witnessea by: Nii

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**Civil Engineering Department** 

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

7437 Dr. Umbreen

To: Mr. Zeeshan Ibrahim

Manager Administration, Locker Smiths (Pvt.) Ltd.

Project: Nil				
Our Ref. No. CL/0	CED/ 5334	Dated:	18-07-24	Test Specification
Your Ref. No.	LS-GLS-04-69	Dated:	11-07-24	(ASTM C39)

## **COMPRESSION TEST REPORT**



Specim	ens received on:	1	2-07	-24	Tested on:	18-0	)7-24	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 Ioad (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1		23	5	2024	6Diax12		14	28.28	95	7525		Non Engraved
2		23	5	2024	6Diax12		13.6	28.28	85	6733		Non Engraved
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4												
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12												
13												
14												
15												
16												
Witness	ed by: Nil											

Witnessed by: Nil

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**Civil Engineering Department** 

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

7433 Dr. Umbreen

Test Specification

(ASTM C39)

To: Mr. Muhammad Muneeb Tehsil Sheikhupura, District Sheikhupura.

> Project: Tower 21, Gulberg Lahore. Our Ref. No. CL/CED/ 5335 Your Ref. No. Nil

## **COMPRESSION TEST REPORT**

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

ONLINE REPORT			t condition	in dry/wet	)7-24	18-0	Tested on:	-24	1-07	1	ens received on:	Specim
Remarks	Water Absorpti on (%)	Ultimate Stress (psi)	Ultimate load (Imp.Tons)	Area of X-Section (Sq. in)	Dry Weight (Kg/ gms)	Wet Weight (Kg/ gms)	Size (in)	Date* YYYY	-	Cas DD	Mark*	Sr. No.
Non Engraved		1822	23	28.28	14.2		6Diax12	2024	7	3	(1:2:4)	1
Non Engraved		1584	20	28.28	13		6Diax12	2024	7	3	(1:2:4)	2
Non Engraved		1426	18	28.28	13		6Diax12	2024	7	3	(1:2:4)	3
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Dated:

Dated:

18-07-24

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)

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



2.5 Km, Off Ferozpur Road, Lanore.			
Project: Construction of Waleed Ahmad (45-46-47 A Side) Bro	adway Commercial A	Alkabir Town Phase-II.	
(Dayins Signature Apartments)			
Our Ref. No. CL/CED/ 5336	Dated:	18-07-24	
Your Ref. No. Nil	Dated:	12-07-24	

## **COMPRESSION TEST REPORT**

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

Specim	ens received on:	1	2-07	-24	Tested on:	18-0	)7-24	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	3000 Psi	12	6	2024	6Diax12		14	28.28	64	5069		Non Engraved
2	3000 Psi	12	6	2024	6Diax12		14	28.28	36	2851		Non Engraved
3	3000 Psi	12	6	2024	6Diax12		13.4	28.28	38	3010		Non Engraved
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Witness	ed by: Nil	I	1			1		I	1			

#### 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.

### Director/Dy. Director Concrete Laboratory

Test Specification ( ASTM C39 )



**Civil Engineering Department** 

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

7452 Dr. Umbreen

To: Ittefaq Building Slutions (Pvt.) Ltd. 189,190-Commercial Area, Airline Society Lahore.

Project: Construction of Learning Alliance School.

Our Ref. No. CL/CED/ 5337	Dated:	18-07-24	Test Specification
Your Ref. No. Nil	Dated:	15-07-24	(ASTM C39)

## **COMPRESSION TEST REPORT**

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

Specim	ens received on:	1	5-07	-24	Tested on:	18-0	)7-24	in dry/wet	t 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	Wall Grid 1-7 line G(4500 Psi)	7	7	2024	6Diax12		14	28.28	54	4277		Non Engraved
2	Wall Grid 1-7 line G(4500 Psi)	7	7	2024	6Diax12		14.4	28.28	70	5545		Non Engraved
3	Wall Grid 1-7 line G(4500 Psi)	7	7	2024	6Diax12		14.2	28.28	50	3960		Non Engraved
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Witness	ed by: Nil											

Witnessed by: Nil

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

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



**Civil Engineering Department** 

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

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

> 7412 Dr. Umbreen

#### To: Mr. Ahmed Javed

Deputy Manager Construction, Educational Services (Pvt.) Ltd.

Project: Construction of Beaconhouse School System A-Level Campus in Gulberg Green, Islamabad

Our Ref. No. CL/CED/ 5338	Dated:	18-07-24	Test Specification
Your Ref. No. Nil	Dated:	26-06-24	( )

## COMPRESSION TEST REPORT



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

Specimo	ens received on:	0	9-07	-24	Tested on:	18-0	)7-24	in dry/wet	t condition			
Sr. No.	Mark*		-	Date*	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorpti on (%)	Remarks
1	PRI				8.6 x 4.1 x 2.8	3160	2790	35.26	46	2922	13.26	
2	PRI				8.8 x 4.2 x 2.8	3410	2915	36.96	32	1939	16.98	
3	PRI				9 x 4.2 x 2.8	3265	2750	37.8	26	1541	18.73	
4	PRI				8.5 x 4.1 x 2.8	3170	2655	34.85	38	2442	19.4	
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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.