



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8374

Dr. Umbreen

To: (Khalid Bashir)
Ittefaq Building Solution Pvt. Ltd.
Project: Piling Works at Shadman 98 Kamran Steel.

Our Ref. No. CL/CED/ 7818 Dated: 15-04-19

Your Ref. No. IBS/KMS/CS01 Dated: 27-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 02-04-19 Tested on: 12-04-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		Wet Weight (gms)								
1	4000 Psi	19	3	2019	6Diax12	14	28.28	57	4520	Non Engraved
2	4000 Psi	19	3	2019	6Diax12	14	28.28	61	4840	Non Engraved
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6

* as engraved on the specimens (if any)

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

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

**** 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

The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients). The test results are recommended to be interpreted in the light of above factors by the engineer.

supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8376

Dr. Umbreen

To: (Khalid Bashir)
Ittefaq Building Solution Pvt. Ltd.
Project: Columns at Ghani Farms, Sahianwala.

Our Ref. No. CL/CED/ 7819 Dated: 15-04-19

Your Ref. No. IBS/LCH/CB01 Dated: 01-04-19

COMPRESSION TEST REPORT

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

Specimens received on: 02-04-19 Tested on: 12-04-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		Month	Day	Year						
1	3000 Psi	27	1	2019	6Diax12	13.2	28.28	31	2460	Non Engraved
2	3000 Psi	2	2	2019	6Diax12	13	28.28	35	2780	Non Engraved
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supervisor(lab)

Director/Dy. Director Concrete Laboratory



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Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8387
Dr. Aqsa

To: Deputy Director (QCD)
WASA LDA, Lahore.

Project: Tend. # P&S/25.01/6016-Manufac.of RCC Manhole Covers in Diff.Sizes.(M/s Eagle Pipe Indus. Pack-

Our Ref. No. CL/CED/ 7820 Dated: 15-04-19

Your Ref. No. QCD/280-81 Dated: 02-04-19

COMPRESSION TEST REPORT

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

Specimens received on: 03-04-19 Tested on: 11-04-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		/Wet Weight (gms)								
1		30	1	2019	6x6x6	8.6	36	77	4800	Engraved
2		30	1	2019	6x6x6	8	36	88	5480	Engraved
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6

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The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients). The test results are recommended to be interpreted in the light of above factors by the engineer.

supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
 University of Engineering and Technology, Lahore
 Phone Nos. 042-99029202, 042-99029217

8386
Dr. Aqsa

To: Deputy Director (QCD)
WASA LDA, Lahore.

Project: Tend. # P&S/25.01/6016-Manufac.of RCC Manhole Covers in Diff.Sizes.(M/s Eagle Pipe Indus. Pack-

Our Ref. No. CL/CED/ 7821 Dated: 15-04-19

Your Ref. No. QCD/286-87 Dated: 02-04-19

COMPRESSION TEST REPORT

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

Specimens received on: 03-04-19 Tested on: 11-04-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		Wet Weight (gms)								
1		29	1	2019	6x6x6	8.2	36	73	4550	Engraved
2		29	1	2019	6x6x6	8.4	36	77	4800	Engraved
3		30	1	2019	6x6x6	8.2	36	59	3680	Engraved
4		30	1	2019	6x6x6	8.2	36	80	4980	Engraved
5		31	1	2019	6x6x6	8.6	36	69	4300	Engraved
6		31	1	2019	6x6x6	8.4	36	54	3360	Engraved
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supervisor(lab)

Director/Dy. Director Concrete Laboratory



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Department of Civil Engineering
University of Engineering and Technology, Lahore
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8386

Dr. Aqsa

To: Deputy Director (QCD)

WASA LDA, Lahore.

Project: Tend. # P&S/25.01/6016-Manufac.of RCC Manhole Covers in Diff.Sizes.(M/s Eagle Pipe Indus. Pack-

Our Ref. No. CL/CED/

7822

Dated:

15-04-19

Your Ref. No.

QCD/288-89

Dated:

02-04-19

COMPRESSION TEST REPORT

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

Specimens received on:

03-04-19

Tested on:

11-04-19

in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		Wet Weight (gms)								
1		2	2	2019	6x6x6	8.2	36	58	3610	Engraved
2		2	2	2019	6x6x6	8	36	69	4300	Engraved
3		4	2	2019	6x6x6	8.2	36	71	4420	Engraved
4		4	2	2019	6x6x6	8.2	36	90	5600	Engraved
5		5	2	2019	6x6x6	8.2	36	59	3680	Engraved
6		5	2	2019	6x6x6	8	36	56	3490	Engraved
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Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8386
Dr. Aqsa

To: Deputy Director (QCD)
WASA LDA, Lahore.

Project: Tend. # P&S/25.01/6016-Manufac.of RCC Manhole Covers in Diff.Sizes.(M/s Eagle Pipe Indus. Pack-

Our Ref. No. CL/CED/ 7823 Dated: 15-04-19

Your Ref. No. QCD/290-91 Dated: 02-04-19

COMPRESSION TEST REPORT

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

Specimens received on: 03-04-19 Tested on: 11-04-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		Wet Weight (gms)								
1		6	2	2019	6x6x6	8.2	36	77	4800	Engraved
2		6	2	2019	6x6x6	8	36	45	2800	Engraved
3		8	2	2019	6x6x6	8.2	36	66	4110	Engraved
4		8	2	2019	6x6x6	8.2	36	65	4050	Engraved
5		9	2	2019	6x6x6	8.2	36	52	3240	Engraved
6		9	2	2019	6x6x6	8.6	36	104	6480	Engraved
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8386

Dr. Aqsa

To: Deputy Director (QCD)

WASA LDA, Lahore.

Project: Tend. # P&S/25.01/6016-Manufac.of RCC Manhole Covers in Diff.Sizes.(M/s Eagle Pipe Indus. Pack-

Our Ref. No. CL/CED/

7824

Dated:

15-04-19

Your Ref. No.

QCD/292-93

Dated:

02-04-19

COMPRESSION TEST REPORT

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

Specimens received on:

03-04-19

Tested on:

11-04-19

in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		Month	Day	Year						
1		12	2	2019	6x6x6	8.4	36	59	3680	Engraved
2		12	2	2019	6x6x6	8	36	50	3120	Engraved
3		13	2	2019	6x6x6	8.6	36	64	3990	Engraved
4		13	2	2019	6x6x6	8.4	36	58	3610	Engraved
5		14	2	2019	6x6x6	8	36	70	4360	Engraved
6		14	2	2019	6x6x6	8	36	58	3610	Engraved
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Department of Civil Engineering
University of Engineering and Technology, Lahore
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8386

Dr. Aqsa

To: Deputy Director (QCD)
WASA LDA, Lahore.

Project: Tend. # P&S/25.01/6016-Manufac.of RCC Manhole Covers in Diff.Sizes.(M/s Eagle Pipe Indus. Pack-

Our Ref. No. CL/CED/ 7825-1 of 2 Dated: 15-04-19

Your Ref. No. QCD/284-85 Dated: 02-04-19

COMPRESSION TEST REPORT

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

Specimens received on: 03-04-19 Tested on: 11-04-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		Wet Weight (gms)								
1		21	2	2019	6x6x6	8.2	36	48	2990	Engraved
2		21	2	2019	6x6x6	8	36	59	3680	Engraved
3		22	2	2019	6x6x6	8.2	36	61	3800	Engraved
4		22	2	2019	6x6x6	8	36	56	3490	Engraved
5		23	2	2019	6x6x6	8.2	36	89	5540	Engraved
6		23	2	2019	6x6x6	8	36	61	3800	Engraved
7		25	2	2019	6x6x6	8	36	66	4110	Engraved
8		25	2	2019	6x6x6	8.2	36	44	2740	Engraved
9		28	2	2019	6x6x6	8.8	36	73	4550	Engraved
10		28	2	2019	6x6x6	8.2	36	57	3550	Engraved
11		1	3	2019	6x6x6	8	36	70	4360	Engraved
12		1	3	2019	6x6x6	8.4	36	47	2930	Engraved
13		2	3	2019	6x6x6	8.2	36	75	4670	Engraved
14		2	3	2019	6x6x6	8	36	79	4920	Engraved
End	---	---	---	---	---	---	---	---	---	---
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* as engraved on the specimens (if any)

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supervisor(lab)

Director/Dy. Director Concrete Laboratory



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Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8386
Dr. Aqsa

To: Deputy Director (QCD)
WASA LDA, Lahore.

Project: Tend. # P&S/25.01/6016-Manufac.of RCC Manhole Covers in Diff.Sizes.(M/s Eagle Pipe Indus. Pack-

Our Ref. No. CL/CED/ 7825-2 of 2 Dated: 15-04-19

Your Ref. No. QCD/284-85 Dated: 02-04-19

COMPRESSION TEST REPORT

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

Specimens received on: 03-04-19 Tested on: 11-04-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		Month	Day	Year						
1		5	3	2019	6x6x6	8	36	75	4670	Engraved
2		5	3	2019	6x6x6	8.6	36	68	4240	Engraved
3		6	3	2019	6x6x6	8	36	60	3740	Engraved
4		6	3	2019	6x6x6	8.4	36	49	3050	Engraved
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supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8388

Dr. Aqsa

To: **M Rizwan Shoukat, Project Manager**
GINUM Gujranwala. Pakistan Atomic Energy Commission.
Project: Mumty Slab & Water Tank Walls.

Our Ref. No. CL/CED/ 7826 Dated: 15-04-19

Your Ref. No. Nil Dated: 02-04-19

COMPRESSION TEST REPORT

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

Specimens received on: 03-04-19 Tested on: 11-04-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		Month	Day	Year						
1		26	3	2019	6x6x6	8.4	36	56	3490	Non Engraved
2		26	3	2019	6x6x6	8.2	36	90	5600	Non Engraved
3		26	3	2019	6x6x6	8.4	36	83	5170	Non Engraved
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supervisor(lab)

Director/Dy. Director Concrete Laboratory



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Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8394
Dr. Umbreen

To: Abdul Rauf Saqib, Project Manager
Ittefaq Construction Services, 32-R, Shah Alam Road, Johar Town, Lahore.
Project: Construction of Apartments Building, Plot # 81, Block-C/1, Gulberg III, Lahore.

Our Ref. No. CL/CED/ 7827 Dated: 15-04-19
Your Ref. No. ICS/M.A/0 Dated: 04-04-19

COMPRESSION TEST REPORT

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

Specimens received on: 04-04-19 Tested on: 12-04-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		/Wet Weight (gms)								
1	4000 Psi, Col.	1	3	2019	6Diax12	13.2	28.28	92	7290	Engraved
2	4000 Psi, Col.	1	3	2019	6Diax12	13.2	28.28	94	7450	Engraved
3	4000 Psi, Col.	1	3	2019	6Diax12	13.2	28.28	94	7450	Engraved
End	---	---	---	---	---	---	---	---	---	---
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supervisor(lab)

Director/Dy. Director Concrete Laboratory



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Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8394

Dr. Umbreen

To: **Abdul Rauf Saqib, Project Manager**
Ittefaq Construction Services, 32-R, Shah Alam Road, Johar Town, Lahore.
Project: Construction of Apartments Building, Plot # 81, Block-C/1, Gulberg III, Lahore.

Our Ref. No. CL/CED/ 7828 Dated: 15-04-19

Your Ref. No. ICS/M.A/0 Dated: 04-04-19

COMPRESSION TEST REPORT

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

Specimens received on: 04-04-19 Tested on: 12-04-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		Month	Day	Year						
1	3000 Psi, Slab	21	3	2019	6Diax12	13.2	28.28	63	5000	Engraved
2	3000 Psi, Slab	21	3	2019	6Diax12	13.4	28.28	73	5790	Engraved
3	3000 Psi, Slab	21	3	2019	6Diax12	13.2	28.28	55	4360	Engraved
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6

* as engraved on the specimens (if any)

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

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

**** ACI318-08 requires mean of two sample (6" dia x 12" cylinder) strength at 28 days as compressive strength

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

The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients). The test results are recommended to be interpreted in the light of above factors by the engineer.

supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8394

Dr. Umbreen

To: **Abdul Rauf Saqib, Project Manager**

Ittefaq Construction Services, 32-R, Shah Alam Road, Johar Town, Lahore.

Project: Construction of Apartments Building, Plot # 81, Block-C/1, Gulberg III, Lahore.

Our Ref. No. CL/CED/

7829

Dated:

15-04-19

Your Ref. No.

ICS/M.A/0

Dated:

04-04-19

COMPRESSION TEST REPORT

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

Specimens received on:

04-04-19

Tested on:

12-04-19

in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		Month	Day	Year						
1	3000 Psi, Slab	13	3	2019	6Diax12	13.2	28.28	81	6420	Engraved
2	3000 Psi, Slab	13	3	2019	6Diax12	13.2	28.28	71	5630	Engraved
3	3000 Psi, Slab	13	3	2019	6Diax12	13.2	28.28	81	6420	Engraved
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departement?RID=testing_reports&id=6

* as engraved on the specimens (if any)

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

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

**** 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

The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients). The test results are recommended to be interpreted in the light of above factors by the engineer.

supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8394

Dr. Umbreen

To: Abdul Rauf Saqib, Project Manager
Ittefaq Construction Services, 32-R, Shah Alam Road, Johar Town, Lahore.
Project: Construction of Apartments Building, Plot # 81, Block-C/1, Gulberg III, Lahore.

Our Ref. No. CL/CED/ 7830 Dated: 15-04-19

Your Ref. No. ICS/M.A/0 Dated: 04-04-19

COMPRESSION TEST REPORT

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

Specimens received on: 04-04-19 Tested on: 12-04-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		Month	Day	Year						
1	4000 Psi, Col.	28	2	2019	6Diax12	13.4	28.28	81	6420	Engraved
2	4000 Psi, Col.	28	2	2019	6Diax12	13.2	28.28	75	5950	Engraved
3	4000 Psi, Col.	28	2	2019	6Diax12	13	28.28	79	6260	Engraved
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6

* as engraved on the specimens (if any)

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

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

**** 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

The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients). The test results are recommended to be interpreted in the light of above factors by the engineer.

supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8394

To: **Abdul Rauf Saqib, Project Manager**

Dr. Umbreen

Ittefaq Construction Services, 32-R, Shah Alam Road, Johar Town, Lahore.

Project: Construction of Apartments Building, Plot # 81, Block-C/1, Gulberg III, Lahore.

Our Ref. No. CL/CED/ 7831 Dated: 15-04-19

Your Ref. No. ICS/M.A/0 Dated: 04-04-19

COMPRESSION TEST REPORT

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

Specimens received on: 04-04-19 Tested on: 12-04-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		/Wet Weight (gms)								
1	4000 Psi, Col.	26	2	2019	6Diax12	13.2	28.28	84	6660	Engraved
2	4000 Psi, Col.	26	2	2019	6Diax12	13	28.28	94	7450	Engraved
3	4000 Psi, Col.	26	2	2019	6Diax12	13.8	28.28	104	8240	Engraved
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6

* as engraved on the specimens (if any)

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

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

**** ACI318-08 requires mean of two sample (6" dia x 12" cylinder) strength at 28 days as compressive strength

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

The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients). The test results are recommended to be interpreted in the light of above factors by the engineer.

supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8394

Dr. Umbreen

To: Abdul Rauf Saqib, Project Manager
Ittefaq Construction Services, 32-R, Shah Alam Road, Johar Town, Lahore.
Project: Construction of Apartments Building, Plot # 81, Block-C/1, Gulberg III, Lahore.

Our Ref. No. CL/CED/ 7832 Dated: 15-04-19

Your Ref. No. ICS/M.A/0 Dated: 04-04-19

COMPRESSION TEST REPORT

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

Specimens received on: 04-04-19 Tested on: 12-04-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		Month	Day	Year						
1	4000 Psi, Col.	22	2	2019	6Diax12	13.8	28.28	96	7610	Engraved
2	4000Psi, Share W.	22	2	2019	6Diax12	13.4	28.28	94	7450	Non Engraved
3	4000Psi, Share W.	22	2	2019	6Diax12	13.8	28.28	83	6580	Non Engraved
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departement?RID=testing_reports&id=6

* as engraved on the specimens (if any)

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

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

**** 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

The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients). The test results are recommended to be interpreted in the light of above factors by the engineer.

supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8405
Dr. Aqsa

To: Muhammad Moutsim, Project Manager (BMCL)
Banu Mukhtar
Project: Construction of Tariq Float Glass Package-II. (Hydrogen Station Pad)

Our Ref. No. CL/CED/ 7833 Dated: 15-04-19
Your Ref. No. Nil Dated: 05-04-19

COMPRESSION TEST REPORT

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

Specimens received on: 05-04-19 Tested on: 11-04-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		/Wet Weight (gms)								
1	3750 Psi	30	3	2019	6x6x6	8.4	36	83	5170	Non Engraved
2	3750 Psi	30	3	2019	6x6x6	8.6	36	62	3860	Non Engraved
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6

* as engraved on the specimens (if any)

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

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

**** ACI318-08 requires mean of two sample (6" dia x 12" cylinder) strength at 28 days as compressive strength

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

The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients). The test results are recommended to be interpreted in the light of above factors by the engineer.

supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8405
Dr. Aqsa

To: Muhammad Moutsim, Project Manager (BMCL)
Banu Mukhtar
Project: Construction of Tariq Float Glass Package-II. (Chimney, Circular Wall)

Our Ref. No. CL/CED/ 7834 Dated: 15-04-19
Your Ref. No. Nil Dated: 05-04-19

COMPRESSION TEST REPORT

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

Specimens received on: 05-04-19 Tested on: 11-04-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		Month	Day	Year						
1	4375 Psi	7	3	2019	6x6x6	8.4	36	75	4670	Non Engraved
2	4375 Psi	7	3	2019	6x6x6	8.6	36	88	5480	Non Engraved
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departments?RID=testing_reports&id=6

* as engraved on the specimens (if any)

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

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

**** ACI318-08 requires mean of two sample (6" dia x 12" cylinder) strength at 28 days as compressive strength

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

The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients). The test results are recommended to be interpreted in the light of above factors by the engineer.

supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8405
Dr. Aqsa

To: Muhammad Moutsim, Project Manager (BMCL)
Banu Mukhtar
Project: Construction of Tariq Float Glass Package-II. (Furnace Oil Tank Footing)

Our Ref. No. CL/CED/ 7835 Dated: 15-04-19

Your Ref. No. Nil Dated: 05-04-19

COMPRESSION TEST REPORT

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

Specimens received on: 05-04-19 Tested on: 11-04-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		/Wet Weight (gms)								
1	3750 Psi	7	3	2019	6x6x6	8.4	36	85	5290	Non Engraved
2	3750 Psi	7	3	2019	6x6x6	8.6	36	81	5040	Non Engraved
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6

* as engraved on the specimens (if any)

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

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

**** ACI318-08 requires mean of two sample (6" dia x 12" cylinder) strength at 28 days as compressive strength

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

The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients). The test results are recommended to be interpreted in the light of above factors by the engineer.

supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8405
Dr. Aqsa

To: Muhammad Moutsim, Project Manager (BMCL)
Banu Mukhtar
Project: Construction of Tariq Float Glass Package-II. (Furnace Oil Tank Footing)

Our Ref. No. CL/CED/ 7836 Dated: 15-04-19

Your Ref. No. Nil Dated: 05-04-19

COMPRESSION TEST REPORT

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

Specimens received on: 05-04-19 Tested on: 11-04-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		/Wet Weight (gms)								
1	4375 Psi	28	3	2019	6x6x6	8.4	36	81	5040	Non Engraved
2	4375 Psi	28	3	2019	6x6x6	8.6	36	90	5600	Non Engraved
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6

* as engraved on the specimens (if any)

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

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

**** ACI318-08 requires mean of two sample (6" dia x 12" cylinder) strength at 28 days as compressive strength

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

The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients). The test results are recommended to be interpreted in the light of above factors by the engineer.

supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8407
Dr. Aqsa

To: **Muhammad Yaseen.**
Equator Engineering Services, Chak Shehzad
Project: CMPAK Site ID-51826, Tower, DG and ODU Foundations.

Our Ref. No. CL/CED/ 7837 Dated: 15-04-19

Your Ref. No. Equator/Cubes/CMPAK/019 Dated: 08-04-19

COMPRESSION TEST REPORT

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

Specimens received on: 08-04-19 Tested on: 11-04-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		1	4	2019						
1		1	4	2019	6x6x6	8	36	88	5480	Non Engraved
2		1	4	2019	6x6x6	8.2	36	92	5730	Non Engraved
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departement?RID=testing_reports&id=6

* as engraved on the specimens (if any)

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

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

**** ACI318-08 requires mean of two sample (6" dia x 12" cylinder) strength at 28 days as compressive strength

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

The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients). The test results are recommended to be interpreted in the light of above factors by the engineer.

supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8408
Dr. Aqsa

To: Imran Akhtar, Project Manager
CM Engineering Pvt. Ltd.
Project: CMPAK Site ID-42626, Pier Foundation

Our Ref. No. CL/CED/ 7838 Dated: 15-04-19

Your Ref. No. CME/Cubes/CMPAK/493 Dated: 03-04-19

COMPRESSION TEST REPORT

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

Specimens received on: 08-04-19 Tested on: 11-04-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		/Wet Weight (gms)								
1		6	3	2019	6x6x6	8.4	36	89	5540	Non Engraved
2		6	3	2019	6x6x6	8.2	36	96	5980	Non Engraved
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6

* as engraved on the specimens (if any)

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

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

**** ACI318-08 requires mean of two sample (6" dia x 12" cylinder) strength at 28 days as compressive strength

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

The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients). The test results are recommended to be interpreted in the light of above factors by the engineer.

supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8408
Dr. Aqsa

To: **Imran Akhtar, Project Manager**
CM Engineering Pvt. Ltd.
Project: CMPAK Site ID-42628, Pier Foundation

Our Ref. No. CL/CED/ 7839 Dated: 15-04-19

Your Ref. No. CME/Cubes/CMPAK/492 Dated: 04-04-19

COMPRESSION TEST REPORT

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

Specimens received on: 08-04-19 Tested on: 11-04-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		Month	Day	Year						
1		7	3	2019	6x6x6	8.4	36	83	5170	Non Engraved
2		7	3	2019	6x6x6	8	36	86	5360	Non Engraved
End	---	---	---	---	---	---	---	---	---	---
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departments/testing_reports?id=6

* as engraved on the specimens (if any)

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

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

**** ACI318-08 requires mean of two sample (6" dia x 12" cylinder) strength at 28 days as compressive strength

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

The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients). The test results are recommended to be interpreted in the light of above factors by the engineer.

supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8408
Dr. Aqsa

To: **Imran Akhtar, Project Manager**
CM Engineering Pvt. Ltd.
Project: CMPAK Site ID-41518, Raft

Our Ref. No. CL/CED/ 7840 Dated: 15-04-19
Your Ref. No. CME/Cubes/CMPAK/490 Dated: 04-04-19

COMPRESSION TEST REPORT

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

Specimens received on: 08-04-19 Tested on: 11-04-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		Month	Day	Year						
1		7	3	2019	6x6x6	8.2	36	94	5850	Non Engraved
2		7	3	2019	6x6x6	8.4	36	93	5790	Non Engraved
End	---	---	---	---	---	---	---	---	---	---
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departments/testing_reports?id=6

* as engraved on the specimens (if any)

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

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

**** ACI318-08 requires mean of two sample (6" dia x 12" cylinder) strength at 28 days as compressive strength

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

The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients). The test results are recommended to be interpreted in the light of above factors by the engineer.

supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8408
Dr. Aqsa

To: **Imran Akhtar, Project Manager**
CM Engineering Pvt. Ltd.
Project: CMPAK Site ID-41518, Column

Our Ref. No. CL/CED/ 7841 Dated: 15-04-19
Your Ref. No. CME/Cubes/CMPAK/491 Dated: 06-04-19

COMPRESSION TEST REPORT

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

Specimens received on: 08-04-19 Tested on: 11-04-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		/Wet Weight (gms)								
1		9	3	2019	6x6x6	8.4	36	75	4670	Non Engraved
2		9	3	2019	6x6x6	8	36	88	5480	Non Engraved
End	---	---	---	---	---	---	---	---	---	---
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Note: Above results pertain to the unsealed samples supplied to the laboratory

The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients). The test results are recommended to be interpreted in the light of above factors by the engineer.

supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

8415

To: **Major (Muhammad Farhan Khan), Project Officer**
19 Engineer Battalion (Chaghai Sappers), Sheikhpura Camp C/O Signal Centre, FWO Chaklala.
Project: Kot Abdul Malik Bridge (South Bound) at M-2. (M/S Trust Developers & Constt. Pvt. Ltd.)

Dr. Asad Gillani

Our Ref. No. CL/CED/ 7842 Dated: 15-04-19

Your Ref. No. 607/SDO B&R/General Dated: 05-04-19

COMPRESSION TEST REPORT

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

Specimens received on: 08-04-19 Tested on: 11-04-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		Wet Weight (gms)								
1		30	3	2019	6Diax12	14.2	28.28	65	5150	Non Engraved
2		30	3	2019	6Diax12	14.4	28.28	83	6580	Non Engraved
3		30	3	2019	6Diax12	14	28.28	77	6100	Non Engraved
End	---	---	---	---	---	---	---	---	---	---
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departement?RID=testing_reports&id=6

* as engraved on the specimens (if any)

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

The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients). The test results are recommended to be interpreted in the light of above factors by the engineer.

supervisor(lab)

Director/Dy. Director Concrete Laboratory