



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

To: Engr. Muhammad Abdullah (Assistant Engineer)
B&W Department, UET Lahore
Project:Construction Site of Workshop and Design Center in UET Lahore

7943
Dr. Umbreen

Our Ref. No. CL/CED/ 7097 Dated: 24-01-19

Your Ref. No. B&W/AENC/660 Dated: 14-01-19

COMPRESSION TEST REPORT

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

Specimens received on: 18-01-19 Tested on: 21-01-19 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	Foundation	16	12	2018	6Diax12	13.2	28.28	51	4040	Non Engraved
2	Foundation	16	12	2018	6Diax12	13.4	28.28	81	6420	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

7937
Dr. Umbreen

To: Rana Tabib (Project Manager)
OAK Tree Consultants, DHA Lahore
Project:Construction of Musafir Khana at Mayo Hospital, Lahore (First Floor Slab)

Our Ref. No. CL/CED/ 7098 Dated: 24-01-19
Your Ref. No. Nil Dated: 17-01-19

COMPRESSION TEST REPORT

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

Specimens received on: 17-01-19 Tested on: 21-01-19 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	Grid (A to F)	16	12	2018	6Diax12	14.2	28.28	65	5150	Non Engraved
2	Grid (A to F)	16	12	2018	6Diax12	14.2	28.28	67	5310	Non Engraved
3	Grid (A to F)	16	12	2018	6Diax12	14.2	28.28	41	3250	Non Engraved
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supervisor(lab)

Director/Dy. Director Concrete Laboratory



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Department of Civil Engineering
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Phone Nos. 042-99029202, 042-99029217

7940
Dr. M. Yousaf

To: Paver Deptt.
Banu Mukhtar Products Pvt. Ltd. Lahore
Project:M-9 Motorway

Our Ref. No. CL/CED/ 7099 Dated: 24-01-19
Your Ref. No. BMP/SMS/M-9/052 Dated: 18-01-19

COMPRESSION TEST REPORT

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

Specimens received on: 18-01-19 Tested on: 22-01-19 in dry/wet condition

Sr. No.	Mark*	Casting Date* /Wet Weight (gms)			Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
1	Special Blocks				6x6x5.9	8570	36	75	4670	Cut Cube
2	Special Blocks				6x5.9x5.9	8596	35.4	99	6270	Cut Cube
3	Special Blocks				6x5.9x5.9	8619	35.4	94	5950	Cut Cube
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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

7944
Dr. Umbreen

To: **Abdul Ghafoor**
Suift Construction Company
Project:Alfalalah Bank Building, Plot No.107y, Y-Commercial Area, DHA Lahore

Our Ref. No. CL/CED/ 7100 Dated: 24-01-19
Your Ref. No. Nil Dated: 18-01-19

COMPRESSION TEST REPORT

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

Specimens received on: 18-01-19 Tested on: 21-01-19 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		11	1	2019	6Diax12	14	28.28	63	5000	Engraved
2		11	1	2019	6Diax12	14	28.28	83	6580	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

7942
Dr. Umbreen

To: Farhan Sajid (Resident Engineer)
Mascon Associates Pvt. Ltd. Lahore
Project: Musafir Khana (Railway Station)

Our Ref. No. CL/CED/ 7101 Dated: 24-01-19
Your Ref. No. MASC-RE/PG/18/5052 Dated: 18-01-19

COMPRESSION TEST REPORT

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

Specimens received on: 18-01-19 Tested on: 21-01-19 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	Slab & Beams	7	12	2018	6Diax12	13.2	28.28	39	3090	Non Engraved
2	Slab & Beams	7	12	2018	6Diax12	13.2	28.28	31	2460	Non Engraved
3	Slab & Beams	7	12	2018	6Diax12	13.4	28.28	31	2460	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

7942
Dr. Umbreen

To: Farhan Sajid (Resident Engineer)
Mascon Associates Pvt. Ltd. Lahore
Project: Musafir Khana (Railway Station)

Our Ref. No. CL/CED/ 7102 Dated: 24-01-19
Your Ref. No. MASC-RE/PG/18/5053 Dated: 18-01-19

COMPRESSION TEST REPORT

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

Specimens received on: 18-01-19 Tested on: 21-01-19 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	Column	26	4	2018	6Diax12	13.4	28.28	37	2940	Non Engraved
2	Column	26	4	2018	6Diax12	13.8	28.28	41	3250	Non Engraved
3	Column	26	4	2018	6Diax12	13.4	28.28	39	3090	Non Engraved
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Note: Above results pertain to the unsealed samples supplied to the laboratory

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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

7942
Dr. Umbreen

To: Farhan Sajid (Resident Engineer)
Mascon Associates Pvt. Ltd. Lahore
Project: Musafir Khana (Railway Station)

Our Ref. No. CL/CED/ 7103 Dated: 24-01-19
Your Ref. No. MASC-RE/PG/18/5051 Dated: 18-01-19

COMPRESSION TEST REPORT

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

Specimens received on: 18-01-19 Tested on: 21-01-19 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	Plinth Beams	25	11	2018	6Diax12	13.4	28.28	25	1990	Non Engraved
2	Plinth Beams	25	11	2018	6Diax12	13.4	28.28	21	1670	Non Engraved
3	Plinth Beams	25	11	2018	6Diax12	13.6	28.28	27	2140	Non 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

7942
Dr. Umbreen

To: Farhan Sajid (Resident Engineer)
Mascon Associates Pvt. Ltd. Lahore
Project: Musafir Khana (Railway Station)

Our Ref. No. CL/CED/ 7104 Dated: 24-01-19
Your Ref. No. MASC-RE/PG/18/5050 Dated: 18-01-19

COMPRESSION TEST REPORT

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

Specimens received on: 18-01-19 Tested on: 21-01-19 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	Footing	24	11	2018	6Diax12	13.2	28.28	25	1990	Non Engraved
2	Footing	24	11	2018	6Diax12	13.2	28.28	35	2780	Non Engraved
3	Footing	24	11	2018	6Diax12	13.6	28.28	39	3090	Non 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

7942
Dr. Umbreen

To: Farhan Sajid (Resident Engineer)
Mascon Associates Pvt. Ltd. Lahore
Project: Musafir Khana (Railway Station)

Our Ref. No. CL/CED/ 7105 Dated: 24-01-19
Your Ref. No. MASC-RE/PG/18/5049 Dated: 18-01-19

COMPRESSION TEST REPORT

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

Specimens received on: 18-01-19 Tested on: 21-01-19 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	Lean	19	11	2018	6Diax12	13.6	28.28	47	3730	Non Engraved
2	Lean	19	11	2018	6Diax12	14	28.28	49	3890	Non Engraved
3	Lean	19	11	2018	6Diax12	14	28.28	53	4200	Non 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

7947

Dr. Umbreen

To: Furqan-ul-Haq (General Manager)
AYQ Developers Pvt. Ltd. Lahore
Project:Union Complex

Our Ref. No. CL/CED/ 7106 Dated: 24-01-19
Your Ref. No. Nil Dated: 21-01-19

COMPRESSION TEST REPORT

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

Specimens received on: 21-01-19 Tested on: 21-01-19 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		5	1	2019	6Diax12	14	28.28	45	3570	Engraved
2		5	1	2019	6Diax12	14	28.28	45	3570	Engraved
3		12	1	2019	6Diax12	13.8	28.28	39	3090	Engraved
4		12	1	2019	6Diax12	13.4	28.28	31	2460	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

To: Sub Divisional Officer
Buildings Sub Division No.12, Lahore
Project:Constt. of Office Complex of Food Directorate Divisional Food Office Lahore & DFC, Office Lahore

7949
Dr. Umbreen

Our Ref. No. CL/CED/ 7107 Dated: 24-01-19
Your Ref. No. 1209/SDO12th Dated: 17-12-18

COMPRESSION TEST REPORT

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

Specimens received on: 21-01-19 Tested on: 21-01-19 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	Second Floor Slab	17	12	2018	6Diax12	13.2	28.28	57	4520	Non Engraved
2	Second Floor Slab	17	12	2018	6Diax12	13.2	28.28	53	4200	Non Engraved
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Plain and Reinforced Concrete Laboratory
Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

7963
Dr. Aqsa

To: Sun Dexin (Section Manager Lot-5)
China Electric Power Equipment and Technology Co., Ltd.
Project:±660KV Matiari-Lahore HVDC Transmission (Lot-5), (Tower: G1412 Leg:A)

Our Ref. No. CL/CED/ 7108 Dated: 24-01-19
Your Ref. No. CET/PK/HVDC/010 Dated: 16-01-19

COMPRESSION TEST REPORT

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

Specimens received on: 23-01-19 Tested on: 24-01-19 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		7	1	2019	6Diax12	13	28.28	37	2940	Engraved
2		7	1	2019	6Diax12	12.8	28.28	50	3970	Engraved
3		7	1	2019	6Diax12	13	28.28	49	3890	Engraved
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Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

7927
Dr. Aqsa

To: **Muhammad Tufail (Construction Team Leader)**
Zor Engineers Pvt. Ltd. Lahore
Project:Care Channel High School

Our Ref. No. CL/CED/ 7109 Dated: 24-01-19

Your Ref. No. 230.32.1/MT/1 Dated: 16-01-19

COMPRESSION TEST REPORT

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

Specimens received on: 16-01-19 Tested on: 24-01-19 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	G. F. Column	20	12	2018	6x6x6	9	36	92	5730	Non Engraved
2	G. F. Column	20	12	2018	6x6x6	9	36	95	5920	Non Engraved
3	G. F. Column	20	12	2018	6x6x6	8.6	36	66	4110	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

7932

To: Deputy Director (QCD)
WASA, LDA, Lahore / M/s. Eagle RCC Pipe Industry
Project: Tender No.P&S/25.01/5951-Manufacturing of RCC Manhole Covers in Different Sizes

Dr. Umbreen

Our Ref. No. CL/CED/ 7110 Dated: 24-01-19

Your Ref. No. QCD/50-51 Dated: 16-01-19

COMPRESSION TEST REPORT

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

Specimens received on: 17-01-19 Tested on: 21-01-19 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		27	12	2018	6x6x6	8.4	36	39	2430	Engraved
2		28	12	2018	6x6x6	8.4	36	41	2560	Engraved
3		29	12	2018	6x6x6	8.2	36	39	2430	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

7932

Dr. Umbreen

To: Deputy Director (QCD)
WASA, LDA, Lahore / M/s. Eagle Pipe Industry
Project: Tender No.P&S/25.01/5951-Manufacturing of RCC Manhole Covers in Different Sizes

Our Ref. No. CL/CED/ 7111 Dated: 24-01-19

Your Ref. No. QCD/56-57 Dated: 16-01-19

COMPRESSION TEST REPORT

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

Specimens received on: 17-01-19 Tested on: 21-01-19 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		12	12	2018	6x6x6	8.2	36	49	3050	Non Engraved
2		13	12	2018	6x6x6	8.2	36	47	2930	Engraved
3		15	12	2018	6x6x6	8.4	36	67	4170	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

7932
Dr. Umbreen

To: Deputy Director (QCD)
WASA, LDA, Lahore / M/s. Eagle Pipe Industry
Project: Tender No.P&S/25.01/5951-Manufacturing of RCC Manhole Covers in Different Sizes

Our Ref. No. CL/CED/ 7112 Dated: 24-01-19

Your Ref. No. QCD/58-59 Dated: 16-01-19

COMPRESSION TEST REPORT

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

Specimens received on: 17-01-19 Tested on: 21-01-19 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		8	12	2018	6x6x6	8.6	36	49	3050	Non Engraved
2		10	12	2018	6x6x6	8.2	36	37	2310	Non Engraved
3		11	12	2018	6x6x6	8.4	36	33	2060	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)

** 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

7932

Dr. Umbreen

To: Deputy Director (QCD)
WASA, LDA, Lahore / M/s. Eagle Pipe Industry
Project: Tender No.P&S/25.01/5951-Manufacturing of RCC Manhole Covers in Different Sizes

Our Ref. No. CL/CED/ 7113 Dated: 24-01-19

Your Ref. No. QCD/52-53 Dated: 16-01-19

COMPRESSION TEST REPORT

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

Specimens received on: 17-01-19 Tested on: 21-01-19 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		22	12	2018	6x6x6	8.2	36	33	2060	Non Engraved
2		24	12	2018	6x6x6	8.4	36	33	2060	Engraved
3		26	12	2018	6x6x6	8.4	36	21	1310	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

7932
Dr. Umbreen

To: Deputy Director (QCD)
WASA, LDA, Lahore / M/s. Eagle Pipe Industry
Project:Tender No.P&S/25.01/5951-Manufacturing of RCC Manhole Covers in Different Sizes

Our Ref. No. CL/CED/ 7114 Dated: 24-01-19
Your Ref. No. QCD/54-55 Dated: 16-01-19

COMPRESSION TEST REPORT

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

Specimens received on: 17-01-19 Tested on: 21-01-19 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		17	12	2018	6x6x6	8.6	36	47	2930	Engraved
2		18	12	2018	6x6x6	8.4	36	59	3680	Engraved
3		20	12	2018	6x6x6	8.4	36	43	2680	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

7951
Dr. Aqsa

To: Deputy Director (QCD)
WASA, LDA, Lahore / M/s. Grand Electric Co. Pvt. Ltd.
Project: Tender No.P&S/25.01/5930-Constt. of 01-no.02-cfs Capacity Tubewell at Thay Pind Gulberg, Lahore

Our Ref. No. CL/CED/ 7115 Dated: 24-01-19

Your Ref. No. QCD/68 Dated: 19-01-19

COMPRESSION TEST REPORT

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

Specimens received on: 21-01-19 Tested on: 24-01-19 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		10	12	2018	6x6x6	8.2	36	51	3180	Non Engraved
2		10	12	2018	6x6x6	8.4	36	104	6480	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

7953

Dr. M. Yousaf

To: Deputy Director (QCD)
WASA, LDA, Lahore / M/s. Abbas Enterprises
Project:Tender No.P&S/25.01/5963-Constt. of Precast Boundary Wall at South West(Babu Sabu) Waste Water Plant

Our Ref. No. CL/CED/ 7116 Dated: 24-01-19
Your Ref. No. QCD/35-36 Dated: 01-01-19

COMPRESSION TEST REPORT

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

Specimens received on: 22-01-19 Tested on: 22-01-19 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		22	12	2018	6x6x6	8.7	36	84	5230	Non Engraved
2		22	12	2018	6x6x6	8.7	36	82	5110	Non Engraved
3		22	12	2018	6x6x6	8.7	36	99	6160	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

7953

To: Deputy Director (QCD)
WASA, LDA, Lahore / M/s. Abbas Enterprises
Project:Tender No.P&S/25.01/5963-Constt. of Precast Boundary Wall at South West(Babu Sabu) Waste Water Plant

Dr. M. Yousaf

Our Ref. No. CL/CED/ 7117 Dated: 24-01-19
Your Ref. No. QCD/29-30 Dated: 01-01-19

COMPRESSION TEST REPORT

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

Specimens received on: 22-01-19 Tested on: 22-01-19 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		20	12	2018	6x6x6	8	36	71	4420	Non Engraved
2		20	12	2018	6x6x6	8.2	36	89	5540	Non Engraved
3		20	12	2018	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/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

7953

To: Deputy Director (QCD)
WASA, LDA, Lahore / M/s. Abbas Enterprises
Project:Tender No.P&S/25.01/5963-Constt. of Precast Boundary Wall at South West(Babu Sabu) Waste Water Plant

Dr. M. Yousaf

Our Ref. No. CL/CED/ 7118 Dated: 24-01-19

Your Ref. No. QCD/31-32 Dated: 01-01-19

COMPRESSION TEST REPORT

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

Specimens received on: 22-01-19 Tested on: 22-01-19 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		18	12	2018	6x6x6	8.2	36	82	5110	Non Engraved
2		18	12	2018	6x6x6	8	36	84	5230	Non Engraved
3		18	12	2018	6x6x6	8.2	36	75	4670	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

7953

To: Deputy Director (QCD)
WASA, LDA, Lahore / M/s. Abbas Enterprises
Project:Tender No.P&S/25.01/5963-Constt. of Precast Boundary Wall at South West(Babu Sabu) Waste Water Plant

Dr. M. Yousaf

Our Ref. No. CL/CED/ 7119 Dated: 24-01-19

Your Ref. No. QCD/33-34 Dated: 01-01-19

COMPRESSION TEST REPORT

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

Specimens received on: 22-01-19 Tested on: 22-01-19 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		14	12	2018	6x6x6	8.4	36	72	4480	Non Engraved
2		14	12	2018	6x6x6	8	36	68	4240	Non Engraved
3		14	12	2018	6x6x6	8.2	36	85	5290	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)

** 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

7941
Dr. Aqsa

To: Ali Raza Zaidi (Accounts & Admin Manager)
Filigree Enterprises, Lahore
Project:Wadana Kasur (Boundary Wall)

Our Ref. No. CL/CED/ 7120 Dated: 24-01-19
Your Ref. No. Nil Dated: 18-01-19

COMPRESSION TEST REPORT

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

Specimens received on: 18-01-19 Tested on: 24-01-19 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	Column L # 8	18	12	2018	6x6x6	8.6	36	86	5360	Non Engraved
2	Pedestal L # 7	18	12	2018	6x6x6	9	36	97	6040	Non Engraved
3	Column L # 12	11	1	2019	6x6x6	8.6	36	77	4800	Non Engraved
4	Column L # 12	11	1	2019	6x6x6	8.4	36	79	4920	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)

** 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