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

8320

To: **(S. Shaukat Hussain), Incharge (Civil)** Dr. Umbreen
For Managing Director
Project:Const. of Pump Room & Install. of Fire Fighting Sys. at Regional Meter Shop Kot Lakhpat Lhr.

Our Ref. No. CL/CED/ 7728 Dated: 04-04-19

Your Ref. No. CC/61/F.F/Met. Dated: 26-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 26-03-19 Tested on: 03-04-19 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		24	2	2019	6x6x6	8.2	36	77	4800	Engraved
2		24	2	2019	6x6x6	8.2	36	73	4550	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 comprerssive 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

8329

To: **Mr. Riaz Ahmad** Dr. Umbreen
Riaz Construction Company. 205-A, Block NFC Street 1, Lahore.
Project:

Our Ref. No. CL/CED/ 7729 Dated: 04-04-19

Your Ref. No. Nil Dated: 26-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 26-03-19 Tested on: 03-04-19 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		18	1	2019	6x6x6	8	36	83	5170	Engraved
2		18	1	2019	6x6x6	8.6	36	98	6100	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 comprerssive 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

8329

To: **Mr. Riaz Ahmad** Dr. Umbreen
Riaz Construction Company. 205-A, Block NFC Street 1, Lahore.
Project:

Our Ref. No. CL/CED/ 7730 Dated: 04-04-19

Your Ref. No. Nil Dated: 26-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 26-03-19 Tested on: 03-04-19 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		3	12	2018	6x6x6	8	36	67	4170	Engraved
2		3	12	2018	6x6x6	8	36	63	3920	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 comprerssive 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

8330

To: **(Nauman Khaliq), S.D.O (WWT)** Dr. Umbreen
WASA, LDA, Lahore.
Project:Tender No.P&S/25.01/5963. Constt. of Pre-Cast Boundary Wall at South West(Babu Sabu) Waste Water

Our Ref. No. CL/CED/ 7731 Dated: 04-04-19

Your Ref. No. SDO/XEN/WWT/16-18 Dated: 25-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 26-03-19 Tested on: 03-04-19 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		20	2	2019	6x6x6	8.4	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

* 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 comprerssive 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

8330

To: **(Nauman Khaliq), S.D.O (WWT)** Dr. Umbreen
WASA, LDA, Lahore.
Project:Tender No.P&S/25.01/5963. Constt. of Pre-Cast Boundary Wall at South West(Babu Sabu) Waste Water

Our Ref. No. CL/CED/ 7732 Dated: 04-04-19

Your Ref. No. SDO/XEN/WWT/19-21 Dated: 25-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 26-03-19 Tested on: 03-04-19 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		22	2	2019	6x6x6	8.4	36	79	4920	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 comprerssive 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

8330

To: **(Nauman Khaliq), S.D.O (WWT)** Dr. Umbreen
WASA, LDA, Lahore.
Project:Tender No.P&S/25.01/5963. Constt. of Pre-Cast Boundary Wall at South West(Babu Sabu) Waste Water

Our Ref. No. CL/CED/ 7733 Dated: 04-04-19

Your Ref. No. SDO/XEN/WWT/22-24 Dated: 25-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 26-03-19 Tested on: 03-04-19 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		14	2	2019	6x6x6	8.4	36	96	5980	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 comprerssive 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

8330

To: **(Nauman Khaliq), S.D.O (WWT)** Dr. Umbreen
WASA, LDA, Lahore.
Project:Tender No.P&S/25.01/5963. Constt. of Pre-Cast Boundary Wall at South West(Babu Sabu) Waste Water

Our Ref. No. CL/CED/ 7734 Dated: 04-04-19

Your Ref. No. SDO/XEN/WWT/25-27 Dated: 25-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 26-03-19 Tested on: 03-04-19 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		18	2	2019	6x6x6	8.6	36	83	5170	Engraved
END	---	---	---	---	---	---	---	---	---	---
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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 comprerssive 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

8330

To: **(Nauman Khaliq), S.D.O (WWT)** Dr. Umbreen
WASA, LDA, Lahore.
Project:Tender No.P&S/25.01/5963. Constt. of Pre-Cast Boundary Wall at South West(Babu Sabu) Waste Water

Our Ref. No. CL/CED/ 7735 Dated: 04-04-19

Your Ref. No. SDO/XEN/WWT/28-30 Dated: 25-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 26-03-19 Tested on: 03-04-19 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		16	2	2019	6x6x6	8.4	36	96	5980	Engraved
END	---	---	---	---	---	---	---	---	---	---
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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 comprerssive strength

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

8330

To: **(Nauman Khaliq), S.D.O (WWT)** Dr. Umbreen
WASA, LDA, Lahore.
Project:Tender No.P&S/25.01/5963. Constt. of Pre-Cast Boundary Wall at South West(Babu Sabu) Waste Water

Our Ref. No. CL/CED/ 7736 Dated: 04-04-19

Your Ref. No. SDO/XEN/WWT/31-33 Dated: 25-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 26-03-19 Tested on: 03-04-19 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		12	2	2019	6x6x6	8.4	36	81	5040	Engraved
END	---	---	---	---	---	---	---	---	---	---
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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)
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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

8334

To: **Abdul Ghafar (Project Manager)** Dr. Aqsa
Liberty Builders 17-A, Cooper Road Lahore.
Project:Constt. of Zee Avenue, 17-A Cooper Road, Lahore. (Zone-B, G.F Column & G.F Stair Wall)

Our Ref. No. CL/CED/ 7737 Dated: 04-04-19

Your Ref. No. CONC-20190327 Dated: 27-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 27-03-19 Tested on: 28-03-19 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	441	24	2	2019	6Diax12	14	28.28	97	7690	Non Engraved
2	442	24	2	2019	6Diax12	14	28.28	85	6740	Non Engraved
3	443	24	2	2019	6Diax12	14.2	28.28	94	7450	Non Engraved
4	447	24	2	2019	6Diax12	14	28.28	54	4280	Non Engraved
5	448	24	2	2019	6Diax12	14.6	28.28	45	3570	Non Engraved
6	449	24	2	2019	6Diax12	14	28.28	58	4600	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 comprerssive 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

8336

To: **Ch. Abdul Ghafoor (Resident Engineer)** Dr. Umbreen
Pakistan Environmental Planning & Architecturural consultants (PEPAC) Ltd.
Project:Estab.of WWC (Ph-I) Adjacent to Sundar Indus.Estate Distt Kasur. Pack-H,Block 6/78

Our Ref. No. CL/CED/ 7738 Dated: 04-04-19

Your Ref. No. RE/PEPAC/WWC-K/H101 Dated: 07-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 27-03-19 Tested on: 03-04-19 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	1st Floor Column	28	2	2019	6x6x6	8.2	36	77	4800	Non Engraved
2	1st Floor Column	28	2	2019	6x6x6	8.6	36	67	4170	Non Engraved
3	1st Floor Column	28	2	2019	6x6x6	8.6	36	83	5170	Non Engraved
End	---	---	---	---	---	---	---	---	---	---
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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 comprerssive 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

8336

To: **Ch. Abdul Ghafoor (Resident Engineer)** Dr. Umbreen
Pakistan Environmental Planning & Architecturural consultants (PEPAC) Ltd.
Project:Estab.of WWC (Ph-I) Adjacent to Sundar Indus.Estate Distt Kasur. Pack-H,Block 5/79

Our Ref. No. CL/CED/ 7739 Dated: 04-04-19

Your Ref. No. RE/PEPAC/WWC-K/H116 Dated: 25-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 27-03-19 Tested on: 03-04-19 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	2nd Floor Column	19	3	2019	6x6x6	8.6	36	79	4920	Non Engraved
2	2nd Floor Column	19	3	2019	6x6x6	8.4	36	67	4170	Non Engraved
3	2nd Floor Column	19	3	2019	6x6x6	8.6	36	81	5040	Non Engraved
End	---	---	---	---	---	---	---	---	---	---
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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 comprerssive 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

8336

To: **Ch. Abdul Ghafoor (Resident Engineer)** Dr. Umbreen
Pakistan Environmental Planning & Architecturural consultants (PEPAC) Ltd.
Project:Estab.of WWC (Ph-I) Adjacent to Sundar Indus.Estate Distt Kasur. Pack-H,Block 9/65

Our Ref. No. CL/CED/ 7740 Dated: 04-04-19

Your Ref. No. RE/PEPAC/WWC-K/H115 Dated: 25-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 27-03-19 Tested on: 03-04-19 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	1st Floor Slab	18	3	2019	6x6x6	8.8	36	71	4420	Non Engraved
2	1st Floor Slab	18	3	2019	6x6x6	8.6	36	73	4550	Non Engraved
3	1st Floor Slab	18	3	2019	6x6x6	8.4	36	73	4550	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 comprerssive 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

8336

To: **Ch. Abdul Ghafoor (Resident Engineer)** Dr. Umbreen
Pakistan Environmental Planning & Architecturural consultants (PEPAC) Ltd.
Project:Estab.of WWC (Ph-I) Adjacent to Sundar Indus.Estate Distt Kasur. Pack-H,Block 5/79

Our Ref. No. CL/CED/ 7741 Dated: 04-04-19

Your Ref. No. RE/PEPAC/WWC-K/H111 Dated: 25-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 27-03-19 Tested on: 03-04-19 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	1st Floor Slab	15	3	2019	6x6x6	8.4	36	94	5850	Non Engraved
2	1st Floor Slab	15	3	2019	6x6x6	8.4	36	81	5040	Non Engraved
3	1st Floor Slab	15	3	2019	6x6x6	8.6	36	94	5850	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 comprerssive strength

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

8336

To: **Ch. Abdul Ghafoor (Resident Engineer)** Dr. Umbreen
Pakistan Environmental Planning & Architecturural consultants (PEPAC) Ltd.
Project:Estab.of WWC (Ph-I) Adjacent to Sundar Indus.Estate Distt Kasur. Pack-H,Block 8/67

Our Ref. No. CL/CED/ 7742 Dated: 04-04-19

Your Ref. No. RE/PEPAC/WWC-K/H110 Dated: 25-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 27-03-19 Tested on: 03-04-19 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	2nd Floor Column	9	3	2019	6x6x6	8.4	36	69	4300	Non Engraved
2	2nd Floor Column	9	3	2019	6x6x6	8.6	36	86	5360	Non Engraved
3	2nd Floor Column	9	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"diax12" cylinder) strength at 28 days as comprerssive 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

8336

To: **Ch. Abdul Ghafoor (Resident Engineer)** Dr. Umbreen
Pakistan Environmental Planning & Architecturural consultants (PEPAC) Ltd.
Project:Estab.of WWC (Ph-I) Adjacent to Sundar Indus.Estate Distt Kasur. Pack-H,Block11/52

Our Ref. No. CL/CED/ 7743 Dated: 04-04-19

Your Ref. No. RE/PEPAC/WWC-K/H114 Dated: 25-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 27-03-19 Tested on: 03-04-19 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	3rd Floor Column	12	3	2019	6x6x6	8.6	36	73	4550	Non Engraved
2	3rd Floor Column	12	3	2019	6x6x6	9	36	69	4300	Non Engraved
3	3rd Floor Column	12	3	2019	6x6x6	8.6	36	75	4670	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 comprerssive 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

8336

To: **Ch. Abdul Ghafoor (Resident Engineer)** Dr. Umbreen
Pakistan Environmental Planning & Architecturural consultants (PEPAC) Ltd.
Project:Estab.of WWC (Ph-I) Adjacent to Sundar Indus.Estate Distt Kasur. Pack-H,Block 9/65

Our Ref. No. CL/CED/ 7744 Dated: 04-04-19

Your Ref. No. RE/PEPAC/WWC-K/H112 Dated: 25-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 27-03-19 Tested on: 03-04-19 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	1st Floor Column	11	3	2019	6x6x6	8.4	36	83	5170	Non Engraved
2	1st Floor Column	11	3	2019	6x6x6	8.4	36	83	5170	Non Engraved
3	1st Floor Column	11	3	2019	6x6x6	8.6	36	83	5170	Non Engraved
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* 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 comprerssive 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

8336

To: **Ch. Abdul Ghafoor (Resident Engineer)** Dr. Umbreen
Pakistan Environmental Planning & Architecturural consultants (PEPAC) Ltd.
Project:Estab.of WWC (Ph-I) Adjacent to Sundar Indus.Estate Distt Kasur. Pack-H,Block10/64

Our Ref. No. CL/CED/ 7745 Dated: 04-04-19

Your Ref. No. RE/PEPAC/WWC-K/H109 Dated: 22-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 27-03-19 Tested on: 03-04-19 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	2nd Floor Slab	13	2	2019	6x6x6	8.4	36	57	3550	Non Engraved
2	2nd Floor Slab	13	2	2019	6x6x6	8.6	36	63	3920	Non Engraved
3	2nd Floor Slab	13	2	2019	6x6x6	8.4	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"diax12" cylinder) strength at 28 days as comprerssive strength

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

8336

To: **Ch. Abdul Ghafoor (Resident Engineer)** Dr. Umbreen
Pakistan Environmental Planning & Architecturural consultants (PEPAC) Ltd.
Project:Estab.of WWC (Ph-I) Adjacent to Sundar Indus.Estate Distt Kasur. Pack-H,Block 1/93

Our Ref. No. CL/CED/ 7746 Dated: 04-04-19

Your Ref. No. RE/PEPAC/WWC-K/H104 Dated: 13-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 27-03-19 Tested on: 03-04-19 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	3rd F. Roof Slab	5	3	2019	6x6x6	8.3	36	73	4550	Non Engraved
2	3rd F. Roof Slab	5	3	2019	6x6x6	8.4	36	81	5040	Non Engraved
3	3rd F. Roof Slab	5	3	2019	6x6x6	8.4	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
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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

8336

To: **Ch. Abdul Ghafoor (Resident Engineer)** Dr. Umbreen
Pakistan Environmental Planning & Architecturural consultants (PEPAC) Ltd.
Project:Estab.of WWC (Ph-I) Adjacent to Sundar Indus.Estate Distt Kasur. Pack-H,Block 8/67

Our Ref. No. CL/CED/ 7747 Dated: 04-04-19

Your Ref. No. RE/PEPAC/WWC-K/H103 Dated: 13-03-19

COMPRESSION TEST REPORT

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

Specimens received on: 27-03-19 Tested on: 03-04-19 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	1st F. Roof Slab	4	3	2019	6x6x6	8.6	36	90	5600	Non Engraved
2	1st F. Roof Slab	4	3	2019	6x6x6	9.2	36	55	3430	Non Engraved
3	1st F. Roof Slab	4	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"diax12" cylinder) strength at 28 days as comprerssive strength

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