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

10350

To: **Engr. Huzaifa Umar (Assistant Resident Engineer)** Dr. Umbreen
M/s AR Engineers
Project: Construction of Jewel-1 Apartment Plaza at Gulberg-3, Lahore

Our Ref. No. CL/CED/ 505 Dated: 30-07-20

Your Ref. No. ARST-003 Dated: 23-07-20

COMPRESSION TEST REPORT

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

Specimens received on: 23-07-20 Tested on: 29-07-20 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	S06 (F-1)	1	5	2020	6Diax12	14	28.28	47	3730	Non Engraved
2	S08 (F-1)	1	5	2020	6Diax12	14	28.28	47	3730	Non Engraved
3	S09 (F-1)	1	5	2020	6Diax12	13.4	28.28	45	3570	Non Engraved
4	C17 (Column)	21	5	2020	6Diax12	14	28.28	53	4200	Non Engraved
5	S01 (Slab)	19	6	2020	6Diax12	14.2	28.28	61	4840	Non Engraved
6	S02 (Slab)	19	6	2020	6Diax12	14	28.28	63	4990	Non Engraved
7	S03 (Slab)	19	6	2020	6Diax12	14	28.28	57	4520	Non Engraved
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9										
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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

10351

Dr. M. Yousaf

To: Project Manager (Orchard Mall)
Q-Links Property Management Pvt. Ltd.
Project: Construction of Orchard Mall, Bahria Orchard, Lahore

Our Ref. No. CL/CED/ 506 Dated: 30-07-20

Your Ref. No. QLPM-OM-11 Dated: 15-07-20

COMPRESSION TEST REPORT

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

Specimens received on: 23-07-20 Tested on: 30-07-20 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	Retaining Wall (3000 Psi)	13	7	2020	6Diax12	14	28.28	30	2380	Non Engraved
2										
3										
4										
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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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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

10351

Dr. M. Yousaf

To: Project Manager (Orchard Mall)
Q-Links Property Management Pvt. Ltd.
Project: Construction of Orchard Mall, Bahria Orchard, Lahore

Our Ref. No. CL/CED/ 507 Dated: 30-07-20

Your Ref. No. QLPM-OM-09 Dated: 15-07-20

COMPRESSION TEST REPORT

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

Specimens received on: 23-07-20 Tested on: 30-07-20 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	Basement Slab (3000 Psi)	5 7 2020	6Diax12	14	28.28	20	1590	Non Engraved
2	Basement Slab (3000 Psi)	5 7 2020	6Diax12	13.8	28.28	31	2460	Non Engraved
3	Basement Column (5000 Psi)	5 7 2020	6Diax12	14	28.28	63	4990	Non Engraved
4	Retaining Wall (3000 Psi)	9 7 2020	6Diax12	14	28.28	25	1980	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

10351

To: **Project Manager (Broadway Height-2)** Dr. M. Yousaf
Q-Links Property Management Pvt. Ltd.
Project: Construction of Broadway Height-2, Bahria Orchard, Lahore

Our Ref. No. CL/CED/ 508 Dated: 30-07-20

Your Ref. No. QLPM-BH2-10 Dated: 15-07-20

COMPRESSION TEST REPORT

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

Specimens received on: 23-07-20 Tested on: 30-07-20 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	5th Floor Slab (3000 Psi)	27	6	2020	6Diax12	14	28.28	45	3570	Engraved
2	5th Floor Slab (3000 Psi)	27	6	2020	6Diax12	14	28.28	34	2700	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

10357

To: **Muhammad Waqas (Manager Sites)** Dr. M. Yousaf
Architects In Design, Lahore
Project: Plot No.52M, Quaid-e-Azam Industrial Estate Kotlakhpat, Lahore

Our Ref. No. CL/CED/ 509 Dated: 30-07-20

Your Ref. No. Nil Dated: 24-07-20

COMPRESSION TEST REPORT

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

Specimens received on: 24-07-20 Tested on: 30-07-20 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		26	6	2020	6Diax12	13.8	28.28	65	5150	Non Engraved
2		26	6	2020	6Diax12	14	28.28	49	3890	Non Engraved
3		25	6	2020	6Diax12	13.8	28.28	53	4200	Non Engraved
4		25	6	2020	6Diax12	13.8	28.28	61	4840	Non Engraved
5		22	6	2020	6Diax12	14	28.28	48	3810	Non Engraved
6		22	6	2020	6Diax12	13.2	28.28	29	2300	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

10359

To: **Engr. Usama Abbas Khokhar (Project Engineer Civil)** Dr. M. Yousaf
Shahid Builders (Pvt.) Ltd. Lahore
Project: Construction of Burger King / Pizza Hut Plaza DHA, Phase V, Lahore

Our Ref. No. CL/CED/ 510 Dated: 30-07-20

Your Ref. No. SBL/2020/1047 Dated: 24-07-20

COMPRESSION TEST REPORT

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

Specimens received on: 24-07-20 Tested on: 30-07-20 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	Ground Floor Slab	23	6	2020	6Diax12	14	28.28	50	3960	Non Engraved
2	Ground Floor Slab	23	6	2020	6Diax12	14	28.28	33	2620	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

10348

To: **Imran Akhtar (Project Manager)** Dr. Umbreen
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK SiteID-43007, Pier Foundation

Our Ref. No. CL/CED/ 511 Dated: 30-07-20

Your Ref. No. CME/Cubes/CMPAK/603 Dated: 21-07-20

COMPRESSION TEST REPORT

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

Specimens received on: 23-07-20 Tested on: 27-07-20 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	(1 : 1.5 : 3)	23	6	2020	6x6x6	8.2	36	96	5980	Non Engraved
2	(1 : 1.5 : 3)	23	6	2020	6x6x6	8.4	36	98	6100	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

10348

To: **Imran Akhtar (Project Manager)** Dr. Umbreen
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK SiteID-43110, Complete Foundation

Our Ref. No. CL/CED/ 512 Dated: 30-07-20

Your Ref. No. CME/Cubes/CMPAK/614 Dated: 18-07-20

COMPRESSION TEST REPORT

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

Specimens received on: 23-07-20 Tested on: 27-07-20 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	(1 : 1.5 : 3)	20	6	2020	6x6x6	8.6	36	110	6850	Non Engraved
2	(1 : 1.5 : 3)	20	6	2020	6x6x6	8.4	36	106	6600	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

10348

To: **Imran Akhtar (Project Manager)** Dr. Umbreen
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK SiteID-43038, Pier Foundation

Our Ref. No. CL/CED/ 513 Dated: 30-07-20

Your Ref. No. CME/Cubes/CMPAK/613 Dated: 16-07-20

COMPRESSION TEST REPORT

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

Specimens received on: 23-07-20 Tested on: 27-07-20 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	(1 : 1.5 : 3)	18	6	2020	6x6x6	8.4	36	96	5980	Non Engraved
2	(1 : 1.5 : 3)	18	6	2020	6x6x6	8.6	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"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

10348

To: **Imran Akhtar (Project Manager)** Dr. Umbreen
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-43037, Pier Foundation

Our Ref. No. CL/CED/ 514 Dated: 30-07-20

Your Ref. No. CME/Cubes/CMPAK/612 Dated: 15-07-20

COMPRESSION TEST REPORT

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

Specimens received on: 23-07-20 Tested on: 27-07-20 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	(1 : 1.5 : 3)	17	6	2020	6x6x6	8.4	36	100	6230	Non Engraved
2	(1 : 1.5 : 3)	17	6	2020	6x6x6	8.2	36	98	6100	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

10348

To: **Imran Akhtar (Project Manager)** Dr. Umbreen
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-43095, Pier Foundation

Our Ref. No. CL/CED/ 515 Dated: 30-07-20

Your Ref. No. CME/Cubes/CMPAK/607 Dated: 06-07-20

COMPRESSION TEST REPORT

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

Specimens received on: 23-07-20 Tested on: 27-07-20 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	(1 : 1.5 : 3)	8	6	2020	6x6x6	8.6	36	82	5110	Non Engraved
2	(1 : 1.5 : 3)	8	6	2020	6x6x6	8.2	36	63	3920	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

10348

To: **Imran Akhtar (Project Manager)** Dr. Umbreen
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-43079, Complete Foundation

Our Ref. No. CL/CED/ 516 Dated: 30-07-20

Your Ref. No. CME/Cubes/CMPAK/606 Dated: 07-07-20

COMPRESSION TEST REPORT

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

Specimens received on: 23-07-20 Tested on: 27-07-20 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	(1 : 1.5 : 3)	9	6	2020	6x6x6	9	36	104	6480	Non Engraved
2	(1 : 1.5 : 3)	9	6	2020	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/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

10348

To: **Imran Akhtar (Project Manager)** Dr. Umbreen
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-43145, Pier Foundation

Our Ref. No. CL/CED/ 517 Dated: 30-07-20

Your Ref. No. CME/Cubes/CMPAK/610 Dated: 08-07-20

COMPRESSION TEST REPORT

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

Specimens received on: 23-07-20 Tested on: 27-07-20 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	(1 : 1.5 : 3)	10	6	2020	6x6x6	8.2	36	69	4300	Non Engraved
2	(1 : 1.5 : 3)	10	6	2020	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/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

10348

To: **Imran Akhtar (Project Manager)** Dr. Umbreen
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-43031, Pier Foundation

Our Ref. No. CL/CED/ 518 Dated: 30-07-20

Your Ref. No. CME/Cubes/CMPAK/604 Dated: 09-07-20

COMPRESSION TEST REPORT

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

Specimens received on: 23-07-20 Tested on: 27-07-20 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	(1 : 1.5 : 3)	11	6	2020	6x6x6	8	36	94	5850	Non Engraved
2	(1 : 1.5 : 3)	11	6	2020	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

10348

To: **Imran Akhtar (Project Manager)** Dr. Umbreen
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-42995, Pier Foundation

Our Ref. No. CL/CED/ 519 Dated: 30-07-20

Your Ref. No. CME/Cubes/CMPAK/602 Dated: 10-07-20

COMPRESSION TEST REPORT

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

Specimens received on: 23-07-20 Tested on: 27-07-20 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	(1 : 1.5 : 3)	12	6	2020	6x6x6	8.4	36	59	3680	Non Engraved
2	(1 : 1.5 : 3)	12	6	2020	6x6x6	8.2	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
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

10348

To: **Imran Akhtar (Project Manager)** Dr. Umbreen
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-43039, Pier Foundation

Our Ref. No. CL/CED/ 520 Dated: 30-07-20

Your Ref. No. CME/Cubes/CMPAK/605 Dated: 11-07-20

COMPRESSION TEST REPORT

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

Specimens received on: 23-07-20 Tested on: 27-07-20 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	(1 : 1.5 : 3)	13	6	2020	6x6x6	9	36	120	7470	Non Engraved
2	(1 : 1.5 : 3)	13	6	2020	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

10348

To: **Imran Akhtar (Project Manager)** Dr. Umbreen
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-42725, Complete Foundation

Our Ref. No. CL/CED/ 521 Dated: 30-07-20

Your Ref. No. CME/Cubes/CMPAK/611 Dated: 11-07-20

COMPRESSION TEST REPORT

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

Specimens received on: 23-07-20 Tested on: 27-07-20 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	(1 : 1.5 : 3)	13	6	2020	6x6x6	8.6	36	86	5360	Non Engraved
2	(1 : 1.5 : 3)	13	6	2020	6x6x6	9	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

10348

To: **Imran Akhtar (Project Manager)** Dr. Umbreen
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-42976, Pier Foundation

Our Ref. No. CL/CED/ 522 Dated: 30-07-20

Your Ref. No. CME/Cubes/CMPAK/615 Dated: 14-07-20

COMPRESSION TEST REPORT

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

Specimens received on: 23-07-20 Tested on: 27-07-20 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	(1 : 1.5 : 3)	16	6	2020	6x6x6	9	36	88	5480	Non Engraved
2	(1 : 1.5 : 3)	16	6	2020	6x6x6	8.8	36	102	6350	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

10348

To: **M. Furqan (Project Manager)** Dr. Umbreen
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-52617, Raft Foundation

Our Ref. No. CL/CED/ 523 Dated: 30-07-20

Your Ref. No. CME/Cubes/CMPAK/596 Dated: 10-07-20

COMPRESSION TEST REPORT

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

Specimens received on: 23-07-20 Tested on: 27-07-20 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	(1 : 1.5 : 3)	12	6	2020	6x6x6	8.4	36	86	5360	Non Engraved
2	(1 : 1.5 : 3)	12	6	2020	6x6x6	8.6	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"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

10348

Dr. Umbreen

To: **M. Furqan (Project Manager)**
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-52705, Drill Pier / BTS PAD

Our Ref. No. CL/CED/ 524 Dated: 30-07-20

Your Ref. No. CME/Cubes/CMPAK/601 Dated: 15-07-20

COMPRESSION TEST REPORT

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

Specimens received on: 23-07-20 Tested on: 27-07-20 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	(1 : 1.5 : 3)	17	6	2020	6x6x6	8.6	36	77	4800	Non Engraved
2	(1 : 1.5 : 3)	17	6	2020	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

10348

Dr. Umbreen

To: **M. Furqan (Project Manager)**
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-52731, Drill Pier / BTS PAD

Our Ref. No. CL/CED/ 525 Dated: 30-07-20

Your Ref. No. CME/Cubes/CMPAK/600 Dated: 15-07-20

COMPRESSION TEST REPORT

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

Specimens received on: 23-07-20 Tested on: 27-07-20 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	(1 : 1.5 : 3)	17	6	2020	6x6x6	8.8	36	106	6600	Non Engraved
2	(1 : 1.5 : 3)	17	6	2020	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

10348

To: **M. Furqan (Project Manager)** Dr. Umbreen
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-52631, Raft Foundation

Our Ref. No. CL/CED/ 526 Dated: 30-07-20

Your Ref. No. CME/Cubes/CMPAK/594 Dated: 05-07-20

COMPRESSION TEST REPORT

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

Specimens received on: 23-07-20 Tested on: 27-07-20 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	(1 : 1.5 : 3)	7	6	2020	6x6x6	8.6	36	82	5110	Non Engraved
2	(1 : 1.5 : 3)	7	6	2020	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

10348

Dr. Umbreen

To: **M. Furqan (Project Manager)**
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-52631, Column / BTS PAD

Our Ref. No. CL/CED/ 527 Dated: 30-07-20

Your Ref. No. CME/Cubes/CMPAK/595 Dated: 07-07-20

COMPRESSION TEST REPORT

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

Specimens received on: 23-07-20 Tested on: 27-07-20 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	(1 : 1.5 : 3)	9	6	2020	6x6x6	8.6	36	106	6600	Non Engraved
2	(1 : 1.5 : 3)	9	6	2020	6x6x6	8	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

10348

To: **M. Furqan (Project Manager)** Dr. Umbreen
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-52617, Column / BTS PAD

Our Ref. No. CL/CED/ 528 Dated: 30-07-20

Your Ref. No. CME/Cubes/CMPAK/597 Dated: 12-07-20

COMPRESSION TEST REPORT

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

Specimens received on: 23-07-20 Tested on: 27-07-20 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	(1 : 1.5 : 3)	14	6	2020	6x6x6	9	36	120	7470	Non Engraved
2	(1 : 1.5 : 3)	14	6	2020	6x6x6	8.6	36	112	6970	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

10348

To: **M. Furqan (Project Manager)** Dr. Umbreen
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-52685, Drill Pier / BTS PAD

Our Ref. No. CL/CED/ 529 Dated: 30-07-20

Your Ref. No. CME/Cubes/CMPAK/598 Dated: 13-07-20

COMPRESSION TEST REPORT

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

Specimens received on: 23-07-20 Tested on: 27-07-20 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	(1 : 1.5 : 3)	15	6	2020	6x6x6	8.4	36	94	5850	Non Engraved
2	(1 : 1.5 : 3)	15	6	2020	6x6x6	8.6	36	120	7470	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

10348

To: **M. Furqan (Project Manager)** Dr. Umbreen
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-52704, Drill Pier / BTS PAD

Our Ref. No. CL/CED/ 530 Dated: 30-07-20

Your Ref. No. CME/Cubes/CMPAK/599 Dated: 14-07-20

COMPRESSION TEST REPORT

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

Specimens received on: 23-07-20 Tested on: 27-07-20 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	(1 : 1.5 : 3)	16	6	2020	6x6x6	8.4	36	112	6970	Non Engraved
2	(1 : 1.5 : 3)	16	6	2020	6x6x6	8.6	36	120	7470	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

10348

To: **M. Furqan (Project Manager)** Dr. Umbreen
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-52728, Drill Pier / BTS PAD

Our Ref. No. CL/CED/ 531 Dated: 30-07-20

Your Ref. No. CME/Cubes/CMPAK/619 Dated: 19-07-20

COMPRESSION TEST REPORT

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

Specimens received on: 23-07-20 Tested on: 27-07-20 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	(1 : 1.5 : 3)	12	7	2020	6x6x6	8.6	36	75	4670	Non Engraved
2	(1 : 1.5 : 3)	12	7	2020	6x6x6	8.4	36	79	4920	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

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*** 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

10356

To: **Sub Divisional Officer** Dr. Umbreen
Buildings Sub Division No. 12, Lahore
Project: Construction of Hostels for Students Along Inter Connecting Bridge of Fatima Jinah Medical University, Lahore (Basement Columns)

Our Ref. No. CL/CED/ 532 Dated: 30-07-20

Your Ref. No. 340/SDO12th Dated: 01-07-20

COMPRESSION TEST REPORT

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

Specimens received on: 24-07-20 Tested on: 27-07-20 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	(1 : 1.5 : 3)	3	6	2020	6x6x6	9	36	81	5040	Non Engraved
2	(1 : 1.5 : 3)	3	6	2020	6x6x6	9	36	59	3680	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

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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

10356

To: **Sub Divisional Officer** Dr. Umbreen
Buildings Sub Division No. 12, Lahore
Project: Construction of Hostels for Students Along Inter Connecting Bridge of Fatima Jinah Medical University, Lahore (Footing Beams)

Our Ref. No. CL/CED/ 533 Dated: 30-07-20

Your Ref. No. 337/SDO12th Dated: 01-07-20

COMPRESSION TEST REPORT

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

Specimens received on: 24-07-20 Tested on: 27-07-20 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	(1 : 2 : 4)	22	5	2020	6x6x6	9	36	96	5980	Non Engraved
2	(1 : 2 : 4)	22	5	2020	6x6x6	9	36	88	5480	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

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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

10356

To: **Sub Divisional Officer** Dr. M. Yousaf
Buildings Sub Division No. 12, Lahore
Project: Construction of Hostels for Students Along Inter Connecting Bridge of Fatima Jinah Medical University, Lahore

Our Ref. No. CL/CED/ 534 Dated: 30-07-20

Your Ref. No. 200/SDO12th Dated: 21-03-20

COMPRESSION TEST REPORT

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

Specimens received on: 24-07-20 Tested on: 29-07-20 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	S4		8.7x4.3x2.7	3135	37.41	57	3420	
2	S4		8.7x4.2x2.8	3150	36.54	67	4110	
3	S4		8.7x4.2x2.8	3162	36.54	65	3990	
4	S4		8.7x4.3x2.9	3168	37.41	59	3540	
5	S4		8.7x4.2x2.8	3091	36.54	58	3560	
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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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**** 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

10361

To: **H. Developments Construction** Dr.Mazhar Saleem
4 Babar Block, Main Boulevard, Garden Town, Lahore
Project: H. Developments Construction, 4 Babar Block, Main Boulevard, Garden Town, Lahore

Our Ref. No. CL/CED/ 535 Dated: 30-07-20

Your Ref. No. Nil Dated: 27-07-20

COMPRESSION TEST REPORT

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

Specimens received on: 27-07-20 Tested on: 28-07-20 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	5	2020	6Diax12	14.4	28.28	49	3890	Non Engraved
2		16	5	2020	6Diax12	14	28.28	69	5470	Non Engraved
3		19	5	2020	6Diax12	14	28.28	69	5470	Non Engraved
4		21	5	2020	6Diax12	14	28.28	73	5790	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

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**** 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

10363

To: **Azam Wahab (Construction Manager)** Dr.Mazhar Saleem
Akhunzada Associates (Pvt.) Ltd. Peshawar
Project: Construction of 01 No. of 3 Storey Building in Shiekhupura in Punjab Province, Pakistan

Our Ref. No. CL/CED/ 536 Dated: 30-07-20

Your Ref. No. AA/UWOPS/03/Uet Dated: 27-07-20

COMPRESSION TEST REPORT

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

Specimens received on: 27-07-20 Tested on: 28-07-20 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	Raft	19	7	2020	6Diax12	13.8	28.28	45	3570	Non Engraved
2	Raft	19	7	2020	6Diax12	14	28.28	49	3890	Non Engraved
3	Raft	19	7	2020	6Diax12	14	28.28	45	3570	Non Engraved
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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

10373

To: **Azam Wahab (Construction Manager)** Dr. M. Yousaf
Akhunzada Associates (Pvt.) Ltd. Peshawar
Project: Construction of 01 No. of 3 Storey Building in Shiekhupura in Punjab Province, Pakistan

Our Ref. No. CL/CED/ 537 Dated: 30-07-20

Your Ref. No. AA/UNOPS/05/020 Dated: 28-07-20

COMPRESSION TEST REPORT

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

Specimens received on: 28-07-20 Tested on: 30-07-20 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	Short Column	23	7	2020	6Diax12	14	28.28	48	3810	Non Engraved
2	Short Column	23	7	2020	6Diax12	13.6	28.28	46	3650	Non Engraved
3	Short Column	23	7	2020	6Diax12	14	28.28	40	3170	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

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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

10364

To: **Muhammad Azeem (Operation Manager)** Dr. M. Yousaf
Amer Adnan Associates, Lahore
Project: Hotel Building at 24-A Block E/2 at Gulberg III, Lahore

Our Ref. No. CL/CED/ 538 Dated: 30-07-20

Your Ref. No. AAA/24A/0019 Dated: 27-07-20

COMPRESSION TEST REPORT

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

Specimens received on: 27-07-20 Tested on: 30-07-20 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		28	6	2020	6Diax12	14	28.28	53	4200	Non Engraved
2		28	6	2020	6Diax12	13.4	28.28	48	3810	Non Engraved
3		28	6	2020	6Diax12	13.6	28.28	52	4120	Non Engraved
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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

10368

To: **Allah Ditta (Site Incharge)** Dr. Umbreen
Okara
Project: DHA Phase 8 (Retaining Wall, Water Tank)

Our Ref. No. CL/CED/ 539 Dated: 30-07-20

Your Ref. No. Nil Dated: 28-07-20

COMPRESSION TEST REPORT

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

Specimens received on: 28-07-20 Tested on: 29-07-20 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		19	7	2020	6Diax12	13.6	28.28	43	3410	Non Engraved
2		19	7	2020	6Diax12	13.4	28.28	41	3250	Non Engraved
3		19	7	2020	6Diax12	13.4	28.28	39	3090	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

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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

10352

To: **Abdullah Hussain (Resident Engineer)** Dr. M. Yousaf
E&PHE Div., Nespak (Pvt.) Ltd. Lahore
Project: Public Spaces Upgradation of Existing Parks in Sahiwal & Sialkot (Lot-2: Works for Upgradation of 4 Existing Parks in Sialkot)

Our Ref. No. CL/CED/ 540 Dated: 30-07-20

Your Ref. No. Nespak/SAH/UET/019 Dated: 13-07-20

COMPRESSION TEST REPORT

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

Specimens received on: 23-07-20 Tested on: 30-07-20 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	(Machine Made) H				8.6x4.1x2.7	2717	35.26	69	4390	
2	(Machine Made) H				8.6x4.2x2.8	2637	36.12	30	1860	
3	(Machine Made) H				8.6x4.1x2.7	2795	35.26	65	4130	
4	(Machine Made) H				8.7x4.1x2.8	2821	35.67	43	2700	
5	(Machine Made) H				8.7x4.2x2.8	2738	36.54	47	2890	
6	(Machine Made) H				8.7x4.1x2.7	2794	35.67	45	2830	
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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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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

10352

To: **Abdullah Hussain (Resident Engineer)** Dr.Mazhar Saleem
E&PHE Div., Nespak (Pvt.) Ltd. Lahore
Project: Public Spaces Upgradation of Existing Parks in Sahiwal & Sialkot (Lot-2: Works for Upgradation of 4 Existing Parks in Sialkot)

Our Ref. No. CL/CED/ 541 Dated: 30-07-20

Your Ref. No. Nespak/SAH/UET/020 Dated: 14-07-20

COMPRESSION TEST REPORT

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

Specimens received on: 23-07-20 Tested on: 28-07-20 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	Rectangular Grey				7.8x3.8x2.4	2705	29.64	106	8020	
2	Rectangular Grey				7.8x3.8x2.4	2756	29.64	158	11950	
3	Rectangular Grey				7.8x3.8x2.4	2759	29.64	96	7260	
4	Rectangular Grey				7.8x3.8x2.4	2729	29.64	160	12100	
5	Rectangular Grey				7.8x3.8x2.4	2656	29.64	118	8920	
6	Rectangular Grey				7.8x3.8x2.4	2654	29.64	92	6960	
7	Rectangular Red				7.8x3.8x2.4	2728	29.64	134	10130	
8	Rectangular Red				7.8x3.8x2.4	2688	29.64	130	9830	
9	Rectangular Red				7.8x3.8x2.4	2666	29.64	102	7710	
10	Rectangular Red				7.8x3.8x2.4	2744	29.64	138	10430	
11	Rectangular Red				7.8x3.8x2.4	2719	29.64	114	8620	
12	Rectangular Red				7.8x3.8x2.4	2711	29.64	90	6810	
13										
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16										

Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6

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** 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

10362

To: **Assistant Executive Engineer-IV** Dr. M. Yousaf
Central Civil Division No. II, Pakistan Public Works Department
Project: Construction of International Hostel and Class Rooms at Dot Complex, Allama Iqbal Town, Lahore

Our Ref. No. CL/CED/ 542 Dated: 30-07-20

Your Ref. No. AEE-IV/CCD-II/LHR/42 Dated: 17-07-20

COMPRESSION TEST REPORT

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

Specimens received on: 27-07-20 Tested on: 30-07-20 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	H		8.7x4.2x2.8	3256	36.54	53	3250	
2	H		9.0x4.3x3.0	3340	38.7	43	2490	
3	H		8.9x4.3x2.8	3177	38.27	49	2870	
4	H		8.8x4.2x2.8	3165	36.96	52	3160	
5	H		9.0x4.4x3.0	3236	39.6	46	2610	
6	H		8.9x4.3x2.9	3035	38.27	44	2580	
7	H		9.0x4.3x2.9	3168	38.7	55	3190	
8	H		8.9x4.4x3.0	3314	39.16	53	3040	
9								
10								
11								
12								
13								
14								
15								
16								

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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