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

1088

To: **Mr. M.K Jamil (Principal Architect & CEO)** Dr. Mazar
Design Simulation (Pvt.) Ltd. Lahore
Project: RCC Blocks for ABL Chah Miran Branch, Lahore.

Our Ref. No. CL/CED/ 2869 Dated: 22-04-21

Your Ref. No. Nil Dated: 15-04-21

COMPRESSION TEST REPORT

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

Specimens received on: 20-04-21 Tested on: 21-04-21 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 Concrete	28	11	2019	6X6X6	8	36	65	4050	Non Engraved
2	Raft Concrete	28	11	2019	6X6X6	8	36	69	4300	Non Engraved
3	Column up Raft	30	12	2019	6X6X6	8	36	61	3800	Non Engraved
4	Column up Raft	30	12	2019	6X6X6	8	36	57	3550	Non Engraved
5	Palinth Beam	16	1	2020	6X6X6	8	36	69	4300	Non Engraved
6	Palinth Beam	16	1	2020	6X6X6	8.2	36	47	2930	Non Engraved
7	Ground Floor Column	10	2	2020	6X6X6	8	36	73	4550	Non Engraved
8	Ground Floor Column	10	2	2020	6X6X6	8	36	83	5170	Non Engraved
9	Ground Floor Roof	8	3	2020	6X6X6	8.4	36	73	4550	Non Engraved
10	Ground Floor Roof	8	3	2020	6X6X6	8.2	36	73	4550	Non Engraved
11	First Floor Column	10	4	2020	6X6X6	7.8	36	45	2800	Non Engraved
12	First Floor Column	10	4	2020	6X6X6	7.8	36	35	2180	Non Engraved
13	First Floor Roof	22	4	2020	6X6X6	8	36	57	3550	Non Engraved
14	First Floor Roof	22	4	2020	6X6X6	8	36	83	5170	Non Engraved
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)
** 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

1086

To: **Mr. Tasawur Hussain Naqvi (Asst. Executive Engineer-III)** Dr. Mazar
CCD, Pak. PWD, Gujranwala.
Project: Enhancement & Expansion of Building Infrastructure of NHMP Training College Sheikhupura, Phase-1 (SH: Admin Block)

Our Ref. No. CL/CED/ 2870 Dated: 22-04-21

Your Ref. No. AEE-III/CCD/GA/Work/ NHMP/Admn/P-1/Lab/05 Dated: 25-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 19-04-21 Tested on: 21-04-21 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	Columns in Foundations	28	12	2020	6X6X6	8.8	36	59	3680	Non Engraved
2	Columns in Foundations	28	12	2020	6X6X6	8.6	36	33	2060	Non Engraved
3	Columns in Foundations	27	12	2020	6X6X6	9	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

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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

1079

To: **Mr. Mujib ur Rehman (Principal Architect)** Dr. Mazar
Sustainable Design Solutions
Project: (Mezzamine Floor Slab) for 38-CCA Commercial at Phase-5, DHA, Lahore.

Our Ref. No. CL/CED/ 2871 Dated: 22-04-21

Your Ref. No. No: SDS-1292020-06 Dated: 16-04-21

COMPRESSION TEST REPORT

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

Specimens received on: 16-04-21 Tested on: 22-04-21 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	Floor Slab	28	2	2021	6Diax12	13.6	28.28	41	3250	Engraved
2	Floor Slab	28	2	2021	6Diax12	13.8	28.28	29	2300	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
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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

1079

To: **Mr. Mujib ur Rehman (Principal Architect)** Dr. Mazar
Sustainable Design Solutions
Project: (Mezzamine Floor Slab) for 37-CCA Commercial at Phase-5, DHA, Lahore.

Our Ref. No. CL/CED/ 2871 Dated: 22-04-21

Your Ref. No. No: SDS-1292020-06 Dated: 16-04-21

COMPRESSION TEST REPORT

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

Specimens received on: 16-04-21 Tested on: 22-04-21 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	Floor Slab	12	3	2021	6Diax12	13.6	28.28	40	3170	Engraved
2	Floor Slab	12	3	2021	6Diax12	13.4	28.28	41	3250	Engraved
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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

1082

To: **Mr. Imran Akhtar (Project Manager)** Dr. Umbreen
CM Engineering (Pvt.) Ltd. Lahore
Project: Long Haul, Site ID-4185, Roof Slab

Our Ref. No. CL/CED/ 2873 Dated: 22-04-21

Your Ref. No. CME/Cubes/LongHaul/906 Dated: 13-06-20

COMPRESSION TEST REPORT

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

Specimens received on: 19-04-21 Tested on: 20-04-21 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	5	2020	6x6x6	8	36	83	5170	Non Engraved
2	(1 : 1.5 : 3)	16	5	2020	6x6x6	8.2	36	71	4420	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

1082

To: **Mr. Imran Akhtar (Project Manager)** Dr. Umbreen
CM Engineering (Pvt.) Ltd. Lahore
Project: Long Haul, Site ID-4185, Plinth Beam

Our Ref. No. CL/CED/ 2874 Dated: 22-04-21

Your Ref. No. CME/Cubes/LongHaul/905 Dated: 02-06-20

COMPRESSION TEST REPORT

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

Specimens received on: 19-04-21 Tested on: 20-04-21 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)	5	5	2020	6x6x6	8	36	81	5040	Non Engraved
2	(1 : 1.5 : 3)	5	5	2020	6x6x6	8.2	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

* 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

1082

To: **Mr. M. Furqan (Project Manager)**
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-52869, Column

Dr. Umbreen

Our Ref. No. CL/CED/ 2875 Dated: 22-04-21

Your Ref. No. CME/Cubes/CMPAK/885 Dated: 04-04-21

COMPRESSION TEST REPORT

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

Specimens received on: 19-04-21 Tested on: 20-04-21 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	3	2021	6x6x6	8.2	36	86	5360	Non Engraved
2	(1 : 1.5 : 3)	7	3	2021	6x6x6	8.2	36	61	3800	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)
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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

1082

To: **Mr. M. Furqan (Project Manager)** Dr. Umbreen
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-52869, Raft Foundation

Our Ref. No. CL/CED/ 2876 Dated: 22-04-21

Your Ref. No. CME/Cubes/CMPAK/884 Dated: 02-04-21

COMPRESSION TEST REPORT

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

Specimens received on: 19-04-21 Tested on: 20-04-21 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)	5	3	2021	6x6x6	8.2	36	96	5980	Non Engraved
2	(1 : 1.5 : 3)	5	3	2021	6x6x6	8	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)
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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

1082

To: **Mr. M. Furqan (Project Manager)**
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-52975, Odu Pad

Dr. Umbreen

Our Ref. No. CL/CED/ 2877 Dated: 22-04-21

Your Ref. No. CME/Cubes/CMPAK/883 Dated: 03-04-21

COMPRESSION TEST REPORT

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

Specimens received on: 19-04-21 Tested on: 20-04-21 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)	6	3	2021	6x6x6	8.2	36	75	4670	Non Engraved
2	(1 : 1.5 : 3)	6	3	2021	6x6x6	8	36	86	5360	Non Engraved
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supervisor(lab) **Director/Dy. Director Concrete Laboratory**

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

1082

Dr. Umbreen

To: **Mr. M. Furqan (Project Manager)**
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-52975, Odu Pad

Our Ref. No. CL/CED/ 2878 Dated: 22-04-21

Your Ref. No. CME/Cubes/CMPAK/882 Dated: 31-03-21

COMPRESSION TEST REPORT

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

Specimens received on: 19-04-21 Tested on: 20-04-21 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	3	2021	6x6x6	8.2	36	65	4050	Non Engraved
2	(1 : 1.5 : 3)	3	3	2021	6x6x6	8.2	36	55	3430	Non Engraved
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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

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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

1082

To: **Mr. M. Furqan (Project Manager)** Dr. Umbreen
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-52975, Raft Foundation

Our Ref. No. CL/CED/ 2879 Dated: 22-04-21

Your Ref. No. CME/Cubes/CMPAK/881 Dated: 29-03-21

COMPRESSION TEST REPORT

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

Specimens received on: 19-04-21 Tested on: 20-04-21 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)	1	3	2021	6x6x6	8.4	36	108	6720	Non Engraved
2	(1 : 1.5 : 3)	1	3	2021	6x6x6	8.2	36	110	6850	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
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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

1082

To: **Mr. M. Furqan (Project Manager)**
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-52807, Odu Pad

Dr. Umbreen

Our Ref. No. CL/CED/ 2880 Dated: 22-04-21

Your Ref. No. CME/Cubes/CMPAK/880 Dated: 02-04-21

COMPRESSION TEST REPORT

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

Specimens received on: 19-04-21 Tested on: 20-04-21 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)	5	3	2021	6x6x6	8.4	36	86	5360	Non Engraved
2	(1 : 1.5 : 3)	5	3	2021	6x6x6	8.4	36	106	6600	Non Engraved
3										
4										
5										
6										
7										
8										
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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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*** BS5328 requires mean of two cube sample strength at 28 days as characteristic 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

1082

To: **Mr. M. Furqan (Project Manager)** Dr. Umbreen
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-52807, Column

Our Ref. No. CL/CED/ 2881 Dated: 22-04-21

Your Ref. No. CME/Cubes/CMPAK/879 Dated: 27-03-21

COMPRESSION TEST REPORT

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

Specimens received on: 19-04-21 Tested on: 20-04-21 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)	27	2	2021	6x6x6	8.4	36	67	4170	Non Engraved
2	(1 : 1.5 : 3)	27	2	2021	6x6x6	8.2	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

* 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

1082

To: **Mr. M. Furqan (Project Manager)** Dr. Umbreen
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-52807, Raft Foundation

Our Ref. No. CL/CED/ 2882 Dated: 22-04-21

Your Ref. No. CME/Cubes/CMPAK/878 Dated: 26-03-21

COMPRESSION TEST REPORT

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

Specimens received on: 19-04-21 Tested on: 20-04-21 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)	26	2	2021	6x6x6	8.2	36	77	4800	Non Engraved
2	(1 : 1.5 : 3)	26	2	2021	6x6x6	8.4	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

1082

To: **Mr. Imran Akhtar (Project Manager)** Dr. Umbreen
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-43336, Pier Foundation

Our Ref. No. CL/CED/ 2883 Dated: 22-04-21

Your Ref. No. CME/Cubes/CMPAK/868 Dated: 06-04-21

COMPRESSION TEST REPORT

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

Specimens received on: 19-04-21 Tested on: 20-04-21 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	3	2021	6x6x6	8.2	36	75	4670	Non Engraved
2	(1 : 1.5 : 3)	9	3	2021	6x6x6	8	36	65	4050	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)
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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

1082

To: **Mr. Imran Akhtar (Project Manager)**
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-42875, Column

Dr. Umbreen

Our Ref. No. CL/CED/ 2884 Dated: 22-04-21

Your Ref. No. CME/Cubes/CMPAK/864 Dated: 30-03-21

COMPRESSION TEST REPORT

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

Specimens received on: 19-04-21 Tested on: 20-04-21 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)	2	3	2021	6x6x6	8.4	36	86	5360	Non Engraved
2	(1 : 1.5 : 3)	2	3	2021	6x6x6	8.2	36	71	4420	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

1082

To: **Mr. Imran Akhtar (Project Manager)** Dr. Umbreen
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-42875, Raft Foundation

Our Ref. No. CL/CED/ 2885 Dated: 22-04-21

Your Ref. No. CME/Cubes/CMPAK/863 Dated: 30-03-21

COMPRESSION TEST REPORT

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

Specimens received on: 19-04-21 Tested on: 20-04-21 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)	2	3	2021	6x6x6	8.2	36	104	6480	Non Engraved
2	(1 : 1.5 : 3)	2	3	2021	6x6x6	8.2	36	71	4420	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)
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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

1082

To: **Mr. Imran Akhtar (Project Manager)** Dr. Umbreen
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-43334, Pier Foundation

Our Ref. No. CL/CED/ 2886 Dated: 22-04-21

Your Ref. No. CME/Cubes/CMPAK/867 Dated: 03-04-21

COMPRESSION TEST REPORT

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

Specimens received on: 19-04-21 Tested on: 20-04-21 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)	6	3	2021	6x6x6	8.6	36	96	5980	Non Engraved
2	(1 : 1.5 : 3)	6	3	2021	6x6x6	8.2	36	110	6850	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

1082

To: **Mr. Imran Akhtar (Project Manager)** Dr. Umbreen
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-43332, Pier Foundation

Our Ref. No. CL/CED/ 2887 Dated: 22-04-21

Your Ref. No. CME/Cubes/CMPAK/907 Dated: 27-03-21

COMPRESSION TEST REPORT

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

Specimens received on: 19-04-21 Tested on: 20-04-21 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	3	2021	6x6x6	8.2	36	92	5730	Non Engraved
2	(1 : 1.5 : 3)	20	3	2021	6x6x6	8.6	36	88	5480	Non Engraved
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/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

1114

To: **Mr. Waqas Munir (Admin Mananger)**
Zimbis Knitwears (Pvt). Ltd. Lahore.
Project: Nil

Engr. Ubaid

Our Ref. No. CL/CED/ 2888 Dated: 22-04-21

Your Ref. No. Nil Dated: 22-04-21

COMPRESSION TEST REPORT

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

Specimens received on: 22-04-21 Tested on: 22-04-21 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	3	2021	6Diax12	14	28.28	41	3250	Non Engraved
2		20	3	2021	6Diax12	14.2	28.28	43	3410	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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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

1072

To: **Engr. Muhammad Hassnain (Resident Engineer)** Dr. Burhan Sharif
Associated Consulting Engineers ACE Limited.
Project: Establishment of Danish School at Taunsa, District DG Khan.

Our Ref. No. CL/CED/ 2889 Dated: 22-03-21

Your Ref. No. ARTS/DTS/ZKHB/2021-182 Dated: 12-04-21

COMPRESSION TEST REPORT

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

Specimens received on: 15-04-21 Tested on: 22-04-21 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	SPL(1-A)		4.3x2.0x1.4	1244	8.6	12	3080	
2	SPL(1-B)		4.3x2.0x1.5	1247	8.6	13.2	3390	
3	SPL(2-A)		4.3x2.0x1.4	1214	8.6	14.5	3720	
4	SPL(2-B)		4.3x2.0x1.4	1207	8.6	12.5	3210	
5	SPL(3-A)		4.4x2.0x1.4	1183	8.6	12.5	3210	
6	SPL(3-B)		4.3x2.1x1.4	1186	8.6	14.7	3770	
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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**