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

To: **Mr. Hassan Khan Sherwani (Provincial Construction Supervision Manager)** Dr. M. Burhan
Humqadam SCRP (M/s Astral Constructions)
Project: Humqadam-School Construction and Rehabilitation Programme (Tapyal Dost Muhammad)

Our Ref. No. CL/CED/ 1588 Dated: 08-01-21

Your Ref. No. IMC-LHR/SCRP/2020/ MaterialTesting/LHR-1 Dated: 31-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 07-01-21 Tested on: 07-01-21 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	Mortar Cube	31	12	2020	2.0x2.0x2.0	269	4	5	2760	
2	Mortar Cube	31	12	2020	2.0x2.0x2.0	278	4	3	1660	
3	Mortar Cube	31	12	2020	2.0x2.0x2.0	276	4	7	3860	
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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

To: **Mr. Hassan Khan Sherwani (Provincial Construction Supervision Manager)** Dr. M. Burhan
Humqadam SCRP (M/s Astral Constructions)
Project: Humqadam-School Construction and Rehabilitation Programme (Kahna Nau No.)

Our Ref. No. CL/CED/ 1589 Dated: 08-01-21

Your Ref. No. IMC-LHR/SCRP/2020/MaterialTesting/LHR-1 Dated: 06-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 06-01-21 Tested on: 07-01-21 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	Mortar Cube	8	12	2020	2.0x2.0x2.0	265	4	2	1110	
2	Mortar Cube	8	12	2020	2.0x2.0x2.0	263	4	3.5	1930	
3	Mortar Cube	8	12	2020	2.0x2.0x2.0	267	4	4.7	2590	
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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

392

To: **Mr. Hassan Khan Sherwani (Provincial Construction Supervision Manager)** Dr. M. Burhan
Humqadam SCRP (M/s Astral Constructions)
Project: Humqadam-School Construction and Rehabilitation Programme (Tahzeeb ul Binat)

Our Ref. No.
CL/CED/ 1590 Dated: 08-01-21

Your Ref. No. IMC-LHR/SCRP/2020/MaterialTesting/LHR-1 Dated: 06-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 06-01-21 Tested on: 07-01-21 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	Mortar Cube	8	12	2020	2.0x2.0x2.0	267	4	5.5	3040	
2	Mortar Cube	8	12	2020	2.0x2.0x2.0	271	4	9.5	5240	
3	Mortar Cube	8	12	2020	2.0x2.0x2.0	270	4	7	3860	
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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

392

To: **Mr. Hassan Khan Sherwani (Provincial Construction Supervision Manager)** Dr. M. Burhan
Humqadam SCRP (M/s Astral Constructions)
Project: Humqadam-School Construction and Rehabilitation Programme (Raja Jung)

Our Ref. No.
CL/CED/ 1591 Dated: 08-01-21

Your Ref. No. IMC-LHR/SCRP/2020/MaterialTesting/LHR-1 Dated: 06-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 06-01-21 Tested on: 07-01-21 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	Mortar Cube	8	12	2020	2.0x2.0x2.0	264	4	7.5	4140	
2	Mortar Cube	8	12	2020	2.0x2.0x2.0	268	4	4	2210	
3	Mortar Cube	8	12	2020	2.0x2.0x2.0	279	4	3.5	1930	
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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

365

To: **Lt. Col. (R) Muhammad Ibrahim (Estate Engineer)** Dr.Mazhar Saleem
Board of Management, Sundar Industrial Estate, Lahore (M/s Nev Con.)
Project: Extension of Jamia Masjid at Sundar Industrial Estate (3000 Psi)

Our Ref. No. CL/CED/ 1592 Dated: 08-01-21

Your Ref. No. BOM/SIE/BCD6125 Dated: 01-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 01-01-21 Tested on: 04-01-21 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	Vertical Column	5	12	2020	6x6x6	8.2	36	67	4170	Non Engraved
2	Vertical Column	5	12	2020	6x6x6	8.2	36	67	4170	Non Engraved
3	Ledge Beam	5	12	2020	6x6x6	8.2	36	71	4420	Non Engraved
4	Ledge Beam	5	12	2020	6x6x6	8.2	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

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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

369

To: **Mr. Khalid Bashir** Engr. Ubaid
Ittefaq Building Solution (Pvt.) Ltd. Lahore
Project: Mcdonald's Restaurant at DHA Rehbar Lahore (1000 Psi)

Our Ref. No. CL/CED/ 1593 Dated: 08-01-21

Your Ref. No. IBS/CS/BT01 Dated: 01-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 04-01-21 Tested on: 07-01-21 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	Solid Block		12.0x8.0x8.0	29	96	54	1260	
2	Solid Block		11.9x7.9x8.0	29	94.01	63	1510	
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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

369

To: **Mr. Khalid Bashir** Engr. Ubaid
Ittefaq Building Solution (Pvt.) Ltd. Lahore
Project: Mcdonald's Restaurant at DHA Rehbar Lahore (1000 Psi)

Our Ref. No. CL/CED/ 1594 Dated: 08-01-21

Your Ref. No. IBS/CS/BT03 Dated: 01-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 04-01-21 Tested on: 07-01-21 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	Solid Block		11.9x3.9x8.0	13.8	46.41	30	1450	
2	Solid Block		12.0x3.9x8.0	14	46.8	33	1580	
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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

To: **Mr. Khalid Bashir (CEO)** Dr.Mazhar Saleem
Ittefaq Building Solution (Pvt.) Ltd. Lahore
Project: US Apparel Canteen, Lahore (Column)

Our Ref. No. CL/CED/ 1595 Dated: 08-01-21

Your Ref. No. Nil Dated: 19-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 06-01-21 Tested on: 07-01-21 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		26	11	2020	6x6x6	9	36	81	5040	Non Engraved
2		26	11	2020	6x6x6	9	36	83	5170	Non Engraved
3		26	11	2020	6x6x6	9	36	118	7350	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

370

To: **Mr. Muhammad Tufail (Construction Team Leader)** Dr.Mazhar Saleem
Zor Engineers (Pvt.) Ltd.
Project: Good Shepherd Christian Hospital-Kasur

Our Ref. No. CL/CED/ 1596 Dated: 08-01-21

Your Ref. No. 230.28.1/MT/18 Dated: 04-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 04-01-21 Tested on: 06-01-21 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	A (1:2:4)	10	12	2020	6Diax12	14	28.28	47	3730	Engraved
2	B (1:2:4)	10	12	2020	6Diax12	14	28.28	51	4040	Engraved
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Note: Above results pertain to the unsealed samples supplied to the laboratory
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supervisor(lab) **Director/Dy. Director Concrete Laboratory**

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

402

To: **Mr. Muhammad Umair Ashfaq (Director Plant & Production)** Dr. M. Yousaf
Lotte Akhtar Beverages (Pvt.) Ltd. (PepsiCo Bottlers), Lahore
Project: Construction of WWTP at Lotte Akhtar Beverages Plant, Lahore

Our Ref. No. CL/CED/ 1597 Dated: 08-01-21

Your Ref. No. Nil Dated: 07-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 07-01-21 Tested on: 08-01-21 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	Sample # 1	31	12	2020	6Diax12	13.4	28.28	23	1830	Engraved
2	Sample # 3	31	12	2020	6Diax12	13.8	28.28	20	1590	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
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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

371

To: **Mr. Muhammad Saleem (GM)** Dr.Mazhar Saleem
Professional Construction Services (Pvt.) Ltd. Lahore
Project: Construction of Allied Bank Limited DHA Phase 8c Ex Park View Lahore (Mezzanine Floor Column & Retaining Walls at Grid A~K / 1~7)

Our Ref. No. CL/CED/ 1598 Dated: 08-01-21

Your Ref. No. PCS/2021/Eng-01 Dated: 04-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 04-01-21 Tested on: 06-01-21 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	12	2020	6Diax12	14	28.28	57	4520	Non Engraved
2	(1 : 1.5 : 3)	27	12	2020	6Diax12	13.8	28.28	63	4990	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

371

To: **Mr. Muhammad Saleem (GM)** Dr.Mazhar Saleem

Professional Construction Services (Pvt.) Ltd. Lahore

Project: Construction of Allied Bank Limited DHA Phase 8c Ex Park View Lahore (Ground Floor Column & Retaining Walls at Grid A~K / 1~7)

Our Ref. No. CL/CED/ 1599 Dated: 08-01-21

Your Ref. No. PCS/2021/Eng-02 Dated: 04-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 04-01-21 Tested on: 06-01-21 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	12	2020	6Diax12	14	28.28	59	4680	Non Engraved
2	(1 : 1.5 : 3)	9	12	2020	6Diax12	13.8	28.28	61	4840	Non Engraved
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6

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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

375

To: **Project Manager** Dr.Mazhar Saleem
Ahmed Construction Company, Lahore
Project: Plinth Beams

Our Ref. No. CL/CED/ 1600 Dated: 08-01-21

Your Ref. No. ACCO/TCL/012 Dated: 04-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 04-01-21 Tested on: 06-01-21 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	3000 Psi	26	12	2020	6Diax12	14	28.28	41	3250	Non Engraved
2	3000 Psi	26	12	2020	6Diax12	14	28.28	37	2940	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

391

To: **Project Manager** Engr. Ubaid
Ahmed Construction Company, Lahore
Project: Columns

Our Ref. No. CL/CED/ 1601 Dated: 08-01-21

Your Ref. No. ACCO/TCL/013 Dated: 06-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 06-01-21 Tested on: 07-01-21 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	3500 Psi	1	1	2021	6Diax12	14	28.28	25	1980	Engraved
2	3500 Psi	1	1	2021	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
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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

374

To: **Mr. Abdul Rehman** Engr. Ubaid
Okawa Concrete, Sheikhupura
Project: Nil

Our Ref. No. CL/CED/ 1602 Dated: 08-01-21

Your Ref. No. Nil Dated: 04-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 04-01-21 Tested on: 07-01-21 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	Rectangular Grey				7.8x3.9x2.4	2713	30.42	73	5380	
2	Rectangular Grey				7.8x3.9x2.4	2740	30.42	94	6930	
3	Rectangular Red				7.8x3.9x2.4	2750	30.42	67	4940	
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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

376

To: **Brig. Saeed Ahmed Malik (SI M) (R) (Resident Engineer)** Engr. Ubaid
H&TE Div., Nespak (Pvt.) Ltd. Lahore
Project: (Metropolitan Corporation Lahore) Rehabilitation of Furqan Street and Furqan Street Maqbool Road UC-88 Lahore

Our Ref. No. CL/CED/ 1603 Dated: 08-01-21

Your Ref. No. 4084/103/BSAM/104/134 Dated: 02-11-20

COMPRESSION TEST REPORT

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

Specimens received on: 04-01-21 Tested on: 07-01-21 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		30	11	2020	6x6x6	9	36	47	2930	Non Engraved
2		30	11	2020	6x6x6	8.2	36	37	2310	Non Engraved
3		30	11	2020	6x6x6	8	36	27	1680	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

To: **Mr. Altaf Hussain (M.E)** Dr.Mazhar Saleem
M/s AS Enterprises
Project: Style Textile Raiwind 65 Chak Admin Building

Our Ref. No. CL/CED/ 1604 Dated: 08-01-21

Your Ref. No. USD/ASE/28 Dated: 05-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 05-01-21 Tested on: 06-01-21 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	768-A (3000 Psi)	30	12	2020	6x6x6	9	36	100	6230	Non Engraved
2	768-B (3000 Psi)	30	12	2020	6x6x6	8.8	36	150	9340	Non Engraved
3	768-C (3000 Psi)	30	12	2020	6x6x6	8.8	36	128	7970	Non Engraved
4	769-A (4000 Psi)	30	12	2020	6x6x6	8.8	36	126	7840	Non Engraved
5	769-B (4000 Psi)	30	12	2020	6x6x6	8.6	36	124	7720	Non Engraved
6	769-C (4000 Psi)	30	12	2020	6x6x6	8.6	36	146	9090	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

382

To: **Mr. Altaf Hussain (M.E)**
M/s AS Enterprises
Project: Style Textile Manga

Dr.Mazhar Saleem

Our Ref. No. CL/CED/ 1605 Dated: 08-01-21

Your Ref. No. USD/ASE/21 Dated: 05-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 05-01-21 Tested on: 07-01-21 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	C-20 (1138-E)	15	12	2020	6x6x6	8.8	36	90	5600	Non Engraved
2	C-20 (1138-F)	15	12	2020	6x6x6	8.4	36	90	5600	Non Engraved
3	C-20 (1138-D)	15	12	2020	6x6x6	8.6	36	91	5670	Non Engraved
4	C-30 (1134-E)	8	12	2020	6x6x6	9	36	128	7970	Non Engraved
5	C-30 (1134-F)	8	12	2020	6x6x6	9	36	124	7720	Non Engraved
6	C-30 (1134-D)	8	12	2020	6x6x6	9	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
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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

383

To: **Assistant Resident Engineer (Enviro Consult Daska)** Dr.Mazhar Saleem
Enviro Consult (SMC-Pvt) Ltd. Lahore
Project: Rehabilitation of Municipal Services Infrastructure Under Punjab Cities Program (PCP) City Daska (Group-C)

Our Ref. No. CL/CED/ 1606 Dated: 08-01-21

Your Ref. No. USD/ASE/21 Dated: 05-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 05-01-21 Tested on: 06-01-21 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)	22	8	2020	6x6x6	8.2	36	92	5730	Non Engraved
2	(1 : 1.5 : 3)	22	8	2020	6x6x6	8.4	36	73	4550	Non Engraved
3	(1 : 1.5 : 3)	22	8	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

* 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

390

To: **Mr. Shahbaz Ali (Lab Incharge)** Engr. Ubaid

Tetra Engineering (Pvt.) Ltd.

Project: Construction of Beautiful Homes Commercial & Residential Building Pindi Stop Peco Road Lahore

Our Ref. No. CL/CED/ 1607 Dated: 08-01-21

Your Ref. No. TRM/LAB/1684-21 Dated: 04-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 06-01-21 Tested on: 07-01-21 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	3000 Psi	14	11	2020	6Diax12	14.2	28.28	47	3730	Non Engraved
2	3000 Psi	14	11	2020	6Diax12	14.2	28.28	51	4040	Non Engraved
3	3000 Psi	14	11	2020	6Diax12	14	28.28	46	3650	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

377

To: **Mr. M. Furqan (Project Manager)** Engr. Ubaid
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-52550, Raft Foundation

Our Ref. No. CL/CED/ 1608 Dated: 08-01-21

Your Ref. No. CME/Cubes/CMPAK/789 Dated: 21-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 04-01-21 Tested on: 07-01-21 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)	23	11	2020	6x6x6	8.6	36	67	4170	Non Engraved
2	(1 : 1.5 : 3)	23	11	2020	6x6x6	8.4	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

* 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

377

To: **Mr. M. Furqan (Project Manager)** Engr. Ubaid
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-52550, Column / BTS PAD

Our Ref. No. CL/CED/ 1609 Dated: 08-01-21

Your Ref. No. CME/Cubes/CMPAK/790 Dated: 23-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 04-01-21 Tested on: 07-01-21 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)	25	11	2020	6x6x6	8.4	36	73	4550	Non Engraved
2	(1 : 1.5 : 3)	25	11	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

377

To: **Mr. M. Furqan (Project Manager)** Engr. Ubaid
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-52692, Raft Foundation

Our Ref. No. CL/CED/ 1610 Dated: 08-01-21

Your Ref. No. CME/Cubes/CMPAK/791 Dated: 22-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 04-01-21 Tested on: 07-01-21 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)	24	11	2020	6x6x6	8.4	36	64	3990	Non Engraved
2	(1 : 1.5 : 3)	24	11	2020	6x6x6	9	36	47	2930	Non Engraved
3										
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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

377

To: **Mr. M. Furqan (Project Manager)** Engr. Ubaid
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-52692, Column / BTS PAD

Our Ref. No. CL/CED/ 1611 Dated: 08-01-21

Your Ref. No. CME/Cubes/CMPAK/792 Dated: 25-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 04-01-21 Tested on: 07-01-21 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	11	2020	6x6x6	8.6	36	95	5920	Non Engraved
2	(1 : 1.5 : 3)	27	11	2020	6x6x6	8.2	36	58	3610	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

377

To: **Mr. M. Furqan (Project Manager)** Engr. Ubaid
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-51202, Drill Pier / BTS PAD

Our Ref. No. CL/CED/ 1612 Dated: 08-01-21

Your Ref. No. CME/Cubes/CMPAK/793 Dated: 27-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 04-01-21 Tested on: 07-01-21 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	11	2020	6x6x6	8.6	36	95	5920	Non Engraved
2	(1 : 1.5 : 3)	27	11	2020	6x6x6	8.2	36	58	3610	Non Engraved
3										
4										
5										
6										
7										
8										
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)
** 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

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To: **Mr. M. Furqan (Project Manager)** Engr. Ubaid
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-52559, Drill Pier / BTS PAD

Our Ref. No. CL/CED/ 1613 Dated: 08-01-21

Your Ref. No. CME/Cubes/CMPAK/794 Dated: 28-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 04-01-21 Tested on: 07-01-21 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)	30	11	2020	6x6x6	8.2	36	73	4550	Non Engraved
2	(1 : 1.5 : 3)	30	11	2020	6x6x6	8.4	36	61	3800	Non Engraved
3										
4										
5										
6										
7										
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10										
11										
12										
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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)
** 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

377

To: **Mr. M. Furqan (Project Manager)** Engr. Ubaid
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-51359, Complete Foundation

Our Ref. No. CL/CED/ 1614 Dated: 08-01-21

Your Ref. No. CME/Cubes/CMPAK/795 Dated: 01-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 04-01-21 Tested on: 07-01-21 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)	4	12	2020	6x6x6	8.2	36	65	4050	Non Engraved
2	(1 : 1.5 : 3)	4	12	2020	6x6x6	8.4	36	82	5110	Non Engraved
3										
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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**