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

770

To: **Mr. Allah Ditta** Engr. A. Rehman
Alpha Concept Company Lahore
Project: Nil

Our Ref. No. CL/CED/ 2297 Dated: 03-03-21

Your Ref. No. Nil Dated: 26-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 26-02-21 Tested on: 02-03-21 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) 4000 Psi	7	1	2021	6Diax12	14	28.28	66	5230	Engraved
2	(1:1.5:3) 4000 Psi	7	1	2021	6Diax12	14.4	28.28	64	5070	Engraved
3	(1:2:4) 3000 Psi	7	1	2021	6Diax12	13.8	28.28	26	2060	Engraved
4	(1:2:4) 3000 Psi	7	1	2021	6Diax12	14	28.28	35	2780	Engraved
5	(1:2:4) 3000 Psi	30	1	2021	6Diax12	13.6	28.28	51	4040	Engraved
6	(1:2:4) 3000 Psi	30	1	2021	6Diax12	13.4	28.28	49	3890	Engraved
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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

* 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

748
Engr. A. Rehman

To: Mr. Ali Yousaf
Shahan Brothers, Lahore
Project: DAC Tower 16 Shadman Jail Road Lahore

Our Ref. No. CL/CED/ 2298 Dated: 03-03-21

Your Ref. No. Nil Dated: 24-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 24-02-21 Tested on: 02-03-21 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	4000 Psi	8	1	2021	6Diax12	14	28.28	93	7370	Engraved
2	4000 Psi	8	1	2021	6Diax12	14	28.28	93	7370	Engraved
3	4000 Psi	10	1	2021	6Diax12	14.4	28.28	65	5150	Engraved
4	4000 Psi	10	1	2021	6Diax12	14.4	28.28	61	4840	Engraved
5	4000 Psi	16	1	2021	6Diax12	14	28.28	83	6580	Engraved
6	4000 Psi	24	1	2021	6Diax12	14	28.28	57	4520	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 compresssive 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

777

To: **Material Engineer** Dr. Umbreen
Tetra Engineering Pvt. Ltd. Lahore (Trans Mark, Dr. Asif Hussain)
Project: Residential House Plot # 89-Z Block Phase VII DHA Lahore

Our Ref. No. CL/CED/ 2299 Dated: 03-03-21

Your Ref. No. TRM/LAB/1710-201 Dated: 26-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 26-02-21 Tested on: 02-03-21 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	21	1	2021	6Diax12	14	28.28	63	4990	Non Engraved
2	3000 Psi	21	1	2021	6Diax12	14	28.28	61	4840	Non Engraved
3	3000 Psi	21	1	2021	6Diax12	14	28.28	59	4680	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

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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

777

To: **Material Engineer** Dr. Umbreen
Tetra Engineering Pvt. Ltd. Lahore (Trans Mark, Dr. Asif Hussain)
Project: Residential House Plot # 89-Z Block Phase VII DHA Lahore

Our Ref. No. CL/CED/ 2300 Dated: 03-03-21

Your Ref. No. TRM/LAB/1709-201 Dated: 26-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 26-02-21 Tested on: 02-03-21 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	29	12	2020	6Diax12	13.8	28.28	65	5150	Non Engraved
2	3000 Psi	29	12	2020	6Diax12	14	28.28	59	4680	Non Engraved
3	3000 Psi	29	12	2020	6Diax12	14	28.28	73	5790	Non Engraved
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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

778

To: **Project Manager** Dr. Umbreen
Dcon Construction, Karachi
Project: Construction of Allied Bank Limited, Plot No. 172, DD Block, Phase 4, CCA Commercial Area, DHA Lahore

Our Ref. No. CL/CED/ 2301 Dated: 03-03-21

Your Ref. No. Nil Dated: 26-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 26-02-21 Tested on: 02-03-21 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	3750 Psi	30	1	2021	6Diax12	14	28.28	65	5150	Non Engraved
2	3750 Psi	30	1	2021	6Diax12	14	28.28	67	5310	Non Engraved
3	3750 Psi	30	1	2021	6Diax12	13.4	28.28	65	5150	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

778

To: **Project Manager** Dr. Umbreen
Dcon Construction, Karachi
Project: Construction of Allied Bank Limited, Plot No. 172, DD Block, Phase 4, CCA Commercial Area, DHA Lahore

Our Ref. No. CL/CED/ 2302 Dated: 03-03-21

Your Ref. No. Nil Dated: 26-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 26-02-21 Tested on: 02-03-21 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	30	11	2020	6Diax12	14	28.28	49	3890	Non Engraved
2	3000 Psi	30	11	2020	6Diax12	15	28.28	67	5310	Non Engraved
3	3000 Psi	30	11	2020	6Diax12	14	28.28	65	5150	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

784

To: **Sub Divisional Officer** Dr. Umbreen
Building Sub Division No.12, Lahore
Project: Establishment of Mother & Child Block in Sir Ganga Ram Hospital Lahore (Group No.01)
(Lift Well First Floor of Portion-3)

Our Ref. No. CL/CED/ 2303 Dated: 03-03-21

Your Ref. No. 159/SDO12th Dated: 26-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 01-03-21 Tested on: 02-03-21 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	1	2021	6x6x6	9	36	88	5480	Non Engraved
2	(1 : 1.5 : 3)	23	1	2021	6x6x6	9	36	106	6600	Non Engraved
3	(1 : 1.5 : 3)	23	1	2021	6x6x6	9	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
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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

784

To: **Sub Divisional Officer** Dr. Umbreen
Building Sub Division No.12, Lahore
Project: Establishment of Mother & Child Block in Sir Ganga Ram Hospital Lahore (Group No.01)
(Roof Slab Ground Floor of Portion-3)

Our Ref. No. CL/CED/ 2304 Dated: 03-03-21

Your Ref. No. 155/SDO12th Dated: 26-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 01-03-21 Tested on: 02-03-21 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 : 2 : 4)	20	1	2021	6x6x6	9	36	59	3680	Non Engraved
2	(1 : 2 : 4)	20	1	2021	6x6x6	9	36	73	4550	Non Engraved
3	(1 : 2 : 4)	20	1	2021	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)
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**** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as compresssive 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

784

To: **Assistant Executive Engineer** Dr. Umbreen

KBCMA, CVAS, Narowal (M/s Zafar Ali Toor, Construction Company)
Project: Constt. of External Sewerage System Water Supply/Fire Fighting System, Over Head Water Tank (50000-Gallons) Sewerage Equalization Tank No.1&2, Disposal Tank No.1&2 Tubewell & Tubewell Chamber, Septic Tank (1-2), Oil Seperator, Grease Trap at CVAS Narowal.

Our Ref. No. CL/CED/ 2306 Dated: 03-03-21

Your Ref. No. AEE/NC/44 Dated: 28-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 01-03-21 Tested on: 02-03-21 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	Septic Tank # 6	2	1	2021	6x6x6	9	36	69	4300	Engraved
2	Septic Tank # 6	2	1	2021	6x6x6	9	36	75	4670	Engraved
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5										
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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

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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

787

To: **Assistant Executive Engineer** Dr. Umbreen

KBCMA, CVAS, Narowal (M/s Zafar Ali Toor, Construction Company)
Project: Constt. of External Sewerage System Water Supply/Fire Fighting System, Over Head Water Tank (50000-Gallons) Sewerage Equalization Tank No.1&2, Disposal Tank No.1&2 Tubewell & Tubewell Chamber, Septic Tank (1-2), Oil Seperator, Grease Trap at CVAS Narowal.

Our Ref. No. CL/CED/ 2306 Dated: 03-03-21

Your Ref. No. AEE/NC/45 Dated: 28-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 01-03-21 Tested on: 02-03-21 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	Septic Tank # 7	2	1	2021	6x6x6	8.6	36	75	4670	Engraved
2	Septic Tank # 7	2	1	2021	6x6x6	8.8	36	81	5040	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

787

To: **Assistant Executive Engineer** Dr. Umbreen

KBCMA, CVAS, Narowal (M/s Zafar Ali Toor, Construction Company)
Project: Constt. of External Sewerage System Water Supply/Fire Fighting System, Over Head Water Tank (50000-Gallons) Sewerage Equalization Tank No.1&2, Disposal Tank No.1&2 Tubewell & Tubewell Chamber, Septic Tank (1-2), Oil Seperator, Grease Trap at CVAS Narowal.

Our Ref. No. CL/CED/ 2307 Dated: 03-03-21

Your Ref. No. AEE/NC/45 Dated: 28-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 01-03-21 Tested on: 02-03-21 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	Septic Tank # 7	3	1	2021	6x6x6	8.6	36	75	4670	Engraved
2	Septic Tank # 7	3	1	2021	6x6x6	8.8	36	81	5040	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

704

To: Sub Divisional Officer Dr.M. Yousaf
Maintenance Sub Division No.2 GOR-III, Lahore.
Project: Construction of Multi-Storey Flats/ Suites for the official of P&D & S& GAD in GOR-II, Lahore. (ADP No. 3276)

Our Ref. No. CL/CED/ 2208 Dated: 03-02-21

Your Ref. No. 283-Sd/GOR-III, Lhr Dated: 03-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 17-02-21 Tested on: 23-02-21 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	(1:2:4)	6	11	2020	6x6x6	9	36	69	4300	Non Engraved
2	(1:2:4)	6	11	2020	6x6x6	9	36	83	5170	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

690

To: **Mr. Umair Maqsood (Sub Divisional Officer)** Engr.A.Rehman
Building Sub Division, Assembly , Lahore.
Project: Construction of 60-No. Staff Quarters (Grade 1 to 10) at MPA,s Hostel Lahore.

Our Ref. No. CL/CED/ 2280 Dated: 03-02-21

Your Ref. No. No.140 Dated: 15-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 16-02-21 Tested on: 02-03-21 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	No.1		8.9x4.3x2.9	3298	38.27	50	2930	
2	No.1		8.9x4.3x3.0	3308	38.27	43	2520	
3	No.1		8.9x4.3x2.9	3287	38.27	44	2580	
4	No.1		8.9x4.3x2.9	3355	38.27	43	2520	
5	No.1		8.8x4.3x3.0	3340	37.87	49	2900	
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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

797

To: **Mr. Hassan khan Sherwani (Provinvial Construction Supervision Manager)** Dr.Ambreen
Humqadam SCRP (M/s Astral Constructions)
Project: Humqadam-School Construction and Rehabilitation Programme IMC WorldWide (GGHS Khara)

Our Ref. No. CL/CED/ 2310 Dated: 03-02-21

Your Ref. No. IMC-LHR/SCRP/2020/ MaterialTesting/LHR-1 Dated: 02-03-21

COMPRESSION TEST REPORT

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

Specimens received on: 02-03-21 Tested on: 03-03-21 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	22	2	2021	2.0x2.0x2.0	256	4	6	3310	
2	Mortar Cube	22	2	2021	2.0x2.0x2.0	261	4	4	2210	
3	Mortar Cube	22	2	2021	2.0x2.0x2.0	257	4	6	3310	
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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 compresssive 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

797

To: **Mr. Hassan khan Sherwani (Provinvial Construction Supervision Manager)** Dr.Ambreen
Humqadam SCRP (M/s Astral Constructions)
Project: Humqadam-School Construction and Rehabilitation Programme IMC WorldWide (GGMS Jandiala)

Our Ref. No. CL/CED/ 2311 Dated: 03-02-21

Your Ref. No. IMC-LHR/SCRP/2020/ MaterialTesting/LHR-1 Dated: 02-03-21

COMPRESSION TEST REPORT

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

Specimens received on: 02-03-21 Tested on: 03-03-21 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	1	2021	2.0x2.0x2.0	248	4	7	3860	
2	Mortar Cube	31	1	2021	2.0x2.0x2.0	252	4	6	3310	
3	Mortar Cube	31	1	2021	2.0x2.0x2.0	247	4	2.5	1380	
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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

797

To: Mr. Hassan khan Sherwani (Provinvial Construction Supervision Manager) Dr.Ambreen
Humqadam SCRP (M/s Astral Constructions)
Project: Humqadam-School Construction and Rehabilitation Programme IMC WorldWide (GGES Jajja Kalan

Our Ref. No.
CL/CED/ 2312 Dated: 03-02-21

Your Ref. No. IMC-LHR/SCRP/2020/ MaterialTesting/LHR-1 Dated: 02-03-21

COMPRESSION TEST REPORT

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

Specimens received on: 02-03-21 Tested on: 03-03-21 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	2	2	2021	2.0x2.0x2.0	249	4	3	1660	
2	Mortar Cube	2	2	2021	2.0x2.0x2.0	255	4	4.5	2480	
3	Mortar Cube	2	2	2021	2.0x2.0x2.0	251	4	5.5	3040	
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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
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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

797

To: **Mr. Hassan khan Sherwani (Provinvial Construction Supervision Manager)** Dr.Ambreen
Humqadam SCRP (M/s Astral Constructions)
Project: Humqadam-School Construction and Rehabilitation Programme IMC WorldWide (GPS Doubli)

Our Ref. No. CL/CED/ 2313 Dated: 03-02-21

Your Ref. No. IMC-LHR/SCRP/2020 /MaterialTesting/LHR-1 Dated: 02-03-21

COMPRESSION TEST REPORT

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

Specimens received on: 02-03-21 Tested on: 03-03-21 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	23	2	2021	2.0x2.0x2.0	268	4	3	1660	
2	Mortar Cube	23	2	2021	2.0x2.0x2.0	258	4	8	4410	
3	Mortar Cube	23	2	2021	2.0x2.0x2.0	262	4	6	3310	
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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

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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

797

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

Our Ref. No. CL/CED/ 2314 Dated: 03-03-21

Your Ref. No. IMC-LHR-SCRP-/SCRP/ 2020/Material Testing/LHR-1 Dated: 02-03-21

COMPRESSION TEST REPORT

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

Specimens received on: 02-03-21 Tested on: 03-03-21 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		31	1	21	6Diax12	13	28.28	41	3250	Non Engraved
2		31	1	21	6Diax12	12	28.28	41	3250	Non Engraved
3		31	1	21	6Diax12	13.4	28.28	40	3170	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

790

To: **Mr. Ahmad Husnain (Asst. Manager Coordination)** Dr. Umbreen
Izhar Construction (Pvt.) Ltd. Lahore
Project: Construction of Mill Building & Cotton Godowns at Nishat Mills Limited, Sahianwala, Faisalabad (C-30)

Our Ref. No. CL/CED/ 2315 Dated: 03-03-21

Your Ref. No. ICPL/CONST-NML/21/021 Dated: 01-03-21

COMPRESSION TEST REPORT

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

Specimens received on: 01-03-21 Tested on: 02-03-21 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	Lab # C20 (4)	30	1	2021	6x6x6	8.8	36	104	6480	Non Engraved
2	Lab # C20 (5)	30	1	2021	6x6x6	9	36	102	6350	Non Engraved
3	Lab # C20 (6)	30	1	2021	6x6x6	9	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)
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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

791

To: **Mr. Imran Akhtar (Project Manager)** Dr. Umbreen
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-42915, Pier Foundation

Our Ref. No. CL/CED/ 2316 Dated: 03-03-21

Your Ref. No. CME/Cubes/CMPAK/825 Dated: 22-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 01-03-21 Tested on: 02-03-21 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	1	2021	6x6x6	8.4	36	63	3920	Non Engraved
2	(1 : 1.5 : 3)	25	1	2021	6x6x6	8.6	36	94	5850	Non Engraved
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6

* as engraved on the specimens (if any)
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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

791

To: **Mr. M. Furqan (Project Manager)** Dr. Umbreen
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-52945, Drill Pier / BTS PAD

Our Ref. No. CL/CED/ 2317 Dated: 03-03-21

Your Ref. No. CME/Cubes/CMPAK/815 Dated: 18-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 01-03-21 Tested on: 02-03-21 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)	11	2	2021	6x6x6	8.4	36	94	5850	Non Engraved
2	(1 : 1.5 : 3)	11	2	2021	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

791

To: **Mr. M. Furqan (Project Manager)** Dr. Umbreen
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-52946, Drill Pier / BTS PAD

Our Ref. No. CL/CED/ 2318 Dated: 03-03-21

Your Ref. No. CME/Cubes/CMPAK/816 Dated: 18-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 01-03-21 Tested on: 02-03-21 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)	11	2	2021	6x6x6	8.2	36	65	4050	Non Engraved
2	(1 : 1.5 : 3)	11	2	2021	6x6x6	8.4	36	90	5600	Non Engraved
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6

* as engraved on the specimens (if any)
** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
*** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
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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

791

To: **Mr. M. Furqan (Project Manager)** Dr. Umbreen
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-52951, Drill Pier / BTS PAD

Our Ref. No. CL/CED/ 2319 Dated: 03-03-21

Your Ref. No. CME/Cubes/CMPAK/817 Dated: 18-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 01-03-21 Tested on: 02-03-21 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)	11	2	2021	6x6x6	8.6	36	104	6480	Non Engraved
2	(1 : 1.5 : 3)	11	2	2021	6x6x6	8.6	36	83	5170	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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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

791

To: **Mr. M. Furqan (Project Manager)** Dr. Umbreen
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-52899, Drill Pier / BTS PAD

Our Ref. No. CL/CED/ 2320 Dated: 03-03-21

Your Ref. No. CME/Cubes/CMPAK/818 Dated: 19-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 01-03-21 Tested on: 02-03-21 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)	12	2	2021	6x6x6	8.6	36	83	5170	Non Engraved
2	(1 : 1.5 : 3)	12	2	2021	6x6x6	8.4	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

791

To: **Mr. M. Furqan (Project Manager)** Dr. Umbreen
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-52903, Drill Pier / BTS PAD

Our Ref. No. CL/CED/ 2321 Dated: 03-03-21

Your Ref. No. CME/Cubes/CMPAK/819 Dated: 20-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 01-03-21 Tested on: 02-03-21 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)	13	2	2021	6x6x6	8.6	36	81	5040	Non Engraved
2	(1 : 1.5 : 3)	13	2	2021	6x6x6	8.8	36	81	5040	Non Engraved
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6

* as engraved on the specimens (if any)
** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
*** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
**** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as compresssive 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

791

To: **Mr. M. Furqan (Project Manager)** Dr. Umbreen
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-52897, Drill Pier / BTS PAD

Our Ref. No. CL/CED/ 2322 Dated: 03-03-21

Your Ref. No. CME/Cubes/CMPAK/820 Dated: 19-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 01-03-21 Tested on: 02-03-21 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)	12	2	2021	6x6x6	8.4	36	83	5170	Non Engraved
2	(1 : 1.5 : 3)	12	2	2021	6x6x6	8.6	36	83	5170	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

791

To: **Mr. M. Furqan (Project Manager)** Dr. Umbreen
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-52898, Drill Pier / BTS PAD

Our Ref. No. CL/CED/ 2323 Dated: 03-03-21

Your Ref. No. CME/Cubes/CMPAK/821 Dated: 24-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 01-03-21 Tested on: 02-03-21 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)	17	2	2021	6x6x6	8.6	36	88	5480	Non Engraved
2	(1 : 1.5 : 3)	17	2	2021	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

* 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

791

To: **Mr. M. Furqan (Project Manager)** Dr. Umbreen
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-52949, Drill Pier / BTS PAD

Our Ref. No. CL/CED/ 2324 Dated: 03-03-21

Your Ref. No. CME/Cubes/CMPAK/822 Dated: 23-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 01-03-21 Tested on: 02-03-21 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	2	2021	6x6x6	8.4	36	83	5170	Non Engraved
2	(1 : 1.5 : 3)	16	2	2021	6x6x6	8.4	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

* 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

791

To: **Mr. M. Furqan (Project Manager)** Dr. Umbreen
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-52900, Drill Pier / BTS PAD

Our Ref. No. CL/CED/ 2325 Dated: 03-03-21

Your Ref. No. CME/Cubes/CMPAK/823 Dated: 23-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 01-03-21 Tested on: 02-03-21 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	2	2021	6x6x6	8.6	36	67	4170	Non Engraved
2	(1 : 1.5 : 3)	16	2	2021	6x6x6	8.6	36	81	5040	Non Engraved
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6

* as engraved on the specimens (if any)
** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
*** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
**** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprerssive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory
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

791

To: **Mr. Imran Akhtar (Project Manager)** Dr. Umbreen
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-43107, Pier Foundation

Our Ref. No. CL/CED/ 2326 Dated: 03-03-21

Your Ref. No. CME/Cubes/CMPAK/824 Dated: 25-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 01-03-21 Tested on: 02-03-21 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)	18	2	2021	6x6x6	8.8	36	88	5480	Non Engraved
2	(1 : 1.5 : 3)	18	2	2021	6x6x6	8.4	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

* 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

791

To: **Mr. Imran Akhtar (Project Manager)** Dr. Umbreen
CM Engineering (Pvt.) Ltd. Lahore
Project: CMPAK, Site ID-41606, Complete Foundation

Our Ref. No. CL/CED/ 2327 Dated: 03-03-21

Your Ref. No. CME/Cubes/CMPAK/826 Dated: 28-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 01-03-21 Tested on: 02-03-21 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)	21	2	2021	6x6x6	8.6	36	98	6100	Non Engraved
2	(1 : 1.5 : 3)	21	2	2021	6x6x6	8.2	36	81	5040	Non Engraved
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6

* as engraved on the specimens (if any)
** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
*** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
**** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprerssive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory
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**