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

720

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 (GES Bukkan Key)

Our Ref. No. CL/CED/ 2155 Dated: 19-02-21

Your Ref. No. IMC-LHR/SCRP/2020/MaterialTesting/LHR-1 Dated: 18-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 18-02-21 Tested on: 19-02-21 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	Mortar Cube	18	1	2021	2.0x2.0x2.0	251	4	8	4410	
2	Mortar Cube	18	1	2021	2.0x2.0x2.0	259	4	7	3860	
3	Mortar Cube	18	1	2021	2.0x2.0x2.0	263	4	10	5510	
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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

720

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

Our Ref. No. CL/CED/ 2155 Dated: 19-02-21

Your Ref. No. IMC-LHR/SCRP/2020/ MaterialTesting/LHR-1 Dated: 18-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 18-02-21 Tested on: 19-02-21 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	Mortar Cube	18	1	2021	2.0x2.0x2.0	251	4	8	4410	
2	Mortar Cube	18	1	2021	2.0x2.0x2.0	259	4	7	3860	
3	Mortar Cube	18	1	2021	2.0x2.0x2.0	263	4	10	5510	
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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

720

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 Bheem kay

Our Ref. No. CL/CED/ 2156 Dated: 19-02-21

Your Ref. No. IMC-LHR/SCRP/2020/ MaterialTesting/LHR-1 Dated: 18-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 18-02-21 Tested on: 19-02-21 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	Mortar Cube	19	1	2021	2.0x2.0x2.0	264	4	11	6070	
2	Mortar Cube	19	1	2021	2.0x2.0x2.0	255	4	13	7170	
3	Mortar Cube	19	1	2021	2.0x2.0x2.0	251	4	12	6620	
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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

720

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 Rathnay Wala)

Our Ref. No. CL/CED/ 2157 Dated: 19-02-21

Your Ref. No. IMC-LHR/SCRP/2020/ MaterialTesting/LHR-1 Dated: 18-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 18-02-21 Tested on: 19-02-21 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	Mortar Cube	17	1	2021	2.0x2.0x2.0	268	4	8	4410	
2	Mortar Cube	17	1	2021	2.0x2.0x2.0	260	4	14	7720	
3	Mortar Cube	17	1	2021	2.0x2.0x2.0	264	4	10	5510	
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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

720

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

Our Ref. No. CL/CED/ 2158 Dated: 19-02-21

Your Ref. No. IMC-LHR-SCRP-/SCRP/ 2020/Material Testing/LHR-1 Dated: 18-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 18-02-21 Tested on: 19-02-21 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		21	1	2021	6Diax12	13	28.28	47	3730	Non Engraved
2		21	1	2021	6Diax12	13	28.28	27	2140	Non Engraved
3		21	1	2021	6Diax12	12.8	28.28	43	3410	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

636

To: **M/s Arshad Bricks Corporation.**
Jia Bagga, Lahore.
Project: Nil

Dr. Ambreen

Our Ref. No. CL/CED/ 2159 Dated: 19-02-21

Your Ref. No. Nil Dated: 08-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 08-02-21 Tested on: 19-02-21 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	ABC		8.8x4.2x2.9	3399	36.96	41	2490	
2	ABC		8.8x4.3x2.8	3401	37.84	51	3020	
3	ABC		8.7x4.3x2.9	3311	37.41	47	2820	
4	ABC		8.7x4.2x2.9	3366	36.54	59	3620	
5	ABC		8.7x4.2x3.0	3544	36.54	37	2270	
6	ABC		8.7x4.3x3.0	3488	37.41	57	3420	
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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

636

To: **M/s Arshad Bricks Corporation.**
Jia Bagga, Lahore.
Project: Nil

Dr. Ambreen

Our Ref. No. CL/CED/ 2160 Dated: 19-02-21

Your Ref. No. Nil Dated: 08-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 08-02-21 Tested on: 19-02-21 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	ASB		8.7x4.3x3.0	3429	37.41	57	3420	
2	ASB		8.9x4.3x3.1	3605	38.27	53	3110	
3	ASB		8.7x4.3x3.0	3451	37.41	67	4020	
4	ASB		8.8x4.3x3.0	3647	37.84	53	3140	
5	ASB		8.8x4.3x3.1	3453	37.84	61	3620	
6	ASB		8.8x4.3x3.0	3416	37.84	59	3500	
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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

636

To: **M/s Arshad Bricks Corporation.**
Jia Bagga, Lahore.
Project: Nil

Dr. Ambreen

Our Ref. No. CL/CED/ 2161 Dated: 19-02-21

Your Ref. No. Nil Dated: 08-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 08-02-21 Tested on: 19-02-21 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	SA		8.9x4.4x3.1	3711	39.16	53	3040	
2	SA		8.8x4.4x3.0	3606	38.72	63	3650	
3	SA		8.8x4.3x3.0	3646	37.84	47	2790	
4	SA		8.8x4.4x3.1	3653	38.72	43	2490	
5	SA		8.7x4.4x3.0	3486	38.28	53	3110	
6	SA		8.8x4.4x3.1	3606	38.72	61	3530	
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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

713

To: **M/s Ittefaq Building Solution (Pvt.) Ltd.** Dr. Ambreen
Lahore.
Project: Construction of McDonalds Resturant DHA-Rahber, Lahore.

Our Ref. No. CL/CED/ 2162 Dated: 19-02-21

Your Ref. No. IBS/MCDR/CT29 Dated: 17-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 18-02-21 Tested on: 19-02-21 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	Column (4000)Psi	6	1	2021		13.8	28.28	61	4840	Non Engraved
2	Column (4000)Psi	6	1	2021		13.4	28.28	69	5470	Non Engraved
3										
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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

684

To: **Flt. Lt. Sameed Ahmad** Dr. Umbreen
AD Tech AFOHS (Dett) Lhr
Project: Nil

Our Ref. No. CL/CED/ 2163 Dated: 19-02-21

Your Ref. No. AHQ/74314/24/AFOHS Dated: 15-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 15-02-21 Tested on: 16-02-21 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		28	1	2021	6x6x6	9	36	65	4050	Non Engraved
2		28	1	2021	6x6x6	9	36	73	4550	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

684

To: **Flt. Lt. Sameed Ahmad** Dr. Umbreen
AD Tech AFOHS (Dett) Lhr.
Project: Nil

Our Ref. No. CL/CED/ 2164 Dated: 19-02-21

Your Ref. No. AHQ/74314/24/AFOHS Dated: 15-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 15-02-21 Tested on: 16-02-21 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		23	1	2021	6x6x6	9.2	36	69	4300	Engraved
2		23	1	2021	6x6x6	9	36	77	4800	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

681

To: **Mr. M. K. Jamil (Principal Architect & CEO)** Dr. Umbreen
Design Simulation, Lahore Cantt.
Project: RCC Blocks for UBL Building Tufail Road Lahore

Our Ref. No. CL/CED/ 2165 Dated: 19-02-21

Your Ref. No. Nil Dated: 11-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 15-02-21 Tested on: 16-02-21 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	Raft RCC Block Ready Mix	30	1	2021	6Diax12	14	28.28	47	3730	Non Engraved
2	Raft RCC Block Ready Mix	30	1	2021	6Diax12	13.8	28.28	25	1980	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

685

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

Our Ref. No. CL/CED/ 2166 Dated: 19-02-21

Your Ref. No. AAA/24A/0025 Dated: 15-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 15-02-21 Tested on: 16-02-21 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	3000 Psi	6	1	2021	6Diax12	14.2	28.28	43	3410	Non Engraved
2	3000 Psi	6	1	2021	6Diax12	14	28.28	49	3890	Non Engraved
3	3000 Psi	6	1	2021	6Diax12	14	28.28	47	3730	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

691

To: **MG Construction & Services (Pvt.) Ltd.** Dr. Umbreen
Soan Garden, Islamabad
Project: PTCL Call Center Wafaqi Colony.

Our Ref. No. CL/CED/ 2167 Dated: 19-02-21

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

COMPRESSION TEST REPORT

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

Specimens received on: 16-02-21 Tested on: 16-02-21 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	Columns	8	2	2021	6Diax12	14.2	28.28	51	4040	Non Engraved
2	Columns	8	2	2021	6Diax12	14.4	28.28	55	4360	Non Engraved
3	Columns	8	2	2021	6Diax12	13.6	28.28	43	3410	Non Engraved
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6

* 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

697

To: **Mr. Muhammad Shahbaz** Engr. A. Rehman
Imperium Hospitality (Pvt.) Ltd. Lahore
Project: Nil

Our Ref. No. CL/CED/ 2168 Dated: 19-02-21

Your Ref. No. IHPL/Con/62 Dated: 11-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 16-02-21 Tested on: 17-02-21 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	4000 Psi	15	1	2021	6Diax12	14	28.28	67	5310	Non Engraved
2	4000 Psi	15	1	2021	6Diax12	14	28.28	73	5790	Non Engraved
3	4000 Psi	15	1	2021	6Diax12	14	28.28	71	5630	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

697

To: **Mr. Muhammad Shahbaz** Engr. A. Rehman
Imperium Hospitality (Pvt.) Ltd. Lahore
Project: Nil

Our Ref. No. CL/CED/ 2169 Dated: 19-02-21

Your Ref. No. IHPL/Con/60 Dated: 11-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 16-02-21 Tested on: 17-02-21 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	4000 Psi	14	1	2021	6Diax12	14	28.28	72	5710	Non Engraved
2	4000 Psi	14	1	2021	6Diax12	14	28.28	79	6260	Non Engraved
3	4000 Psi	14	1	2021	6Diax12	14	28.28	73	5790	Non Engraved
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6

* 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

697
Engr. A.
Rehman

To: Mr. Muhammad Shahbaz
Imperium Hospitality (Pvt.) Ltd. Lahore
Project: Nil

Our Ref. No. CL/CED/ 2170 Dated: 19-02-21

Your Ref. No. IHPL/Con/61 Dated: 11-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 16-02-21 Tested on: 17-02-21 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	8000 Psi	14	1	2021	6Diax12	13.4	28.28	106	8400	Non Engraved
2	8000 Psi	14	1	2021	6Diax12	14	28.28	115	9110	Non Engraved
3	8000 Psi	14	1	2021	6Diax12	13.4	28.28	104	8240	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

697
Engr. A. Rehman

To: Mr. Muhammad Shahbaz
Imperium Hospitality (Pvt.) Ltd. Lahore
Project: Nil

Our Ref. No. CL/CED/ 2171 Dated: 19-02-21

Your Ref. No. IHPL/Con/69 Dated: 11-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 16-02-21 Tested on: 17-02-21 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	4000 Psi	7	2	2021	6Diax12	13.8	28.28	37	2940	Non Engraved
2	4000 Psi	7	2	2021	6Diax12	13	28.28	35	2780	Non Engraved
3	4000 Psi	7	2	2021	6Diax12	13.8	28.28	44	3490	Non Engraved
4										
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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 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

697

To: **Mr. Muhammad Shahbaz** Engr. A. Rehman
Imperium Hospitality (Pvt.) Ltd. Lahore
Project: Nil

Our Ref. No. CL/CED/ 2172 Dated: 19-02-21

Your Ref. No. IHPL/Con/70 Dated: 11-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 16-02-21 Tested on: 17-02-21 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	4000 Psi	6	2	2021	6Diax12	13	28.28	52	4120	Non Engraved
2	4000 Psi	6	2	2021	6Diax12	13.8	28.28	40	3170	Non Engraved
3	4000 Psi	6	2	2021	6Diax12	13	28.28	47	3730	Non Engraved
4										
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6

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

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

628

To: **Z.H. Kazmi (Principal Architect)**
Z.H. Kazmi & Associates, Lahore.

Dr.Burhan Sharif

Project: Expansion Works (Construction of New Godowns & Infrastructure) at Allied Bank Limited 18- Hazari, Jhnag.

Our Ref. No. CL/CED/ 2173 Dated: 19-02-21

Your Ref. No. Nil Dated: 04-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 04-02-21 Tested on: 19-02-21 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	7 7 7		8.1x4.0x2.6	2284	32.4	43	2980	
2	7 7 7		8.5x4.1x2.6	2684	34.85	12	780	
3	7 7 7		8.5x4.0x2.8	2698	34	39	2570	
4	1 1		8.3x4.0x2.7	2596	33.2	37	2500	
5	1 1		8.6x4.1x2..8	2684	35.26	29	1850	
6	1 1		8.5x4.1x2.8	2802	34.85	31	2000	
7	S		8.5x4.1x2.7	2518	34.85	33	2130	
8	S		8.6x4.1x2.6	2526	35.26	31	1970	
9	S		8.5x4.2x2.7	2548	35.7	29	1820	
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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

643

To: **Engr. Faizan Hussain (Assistant Engineer)** Dr.Burhan Sharif
B&W Department, UET Lahore
Project: Construction Site of Girls Hostel UET Lahore

Our Ref. No. CL/CED/ 2174 Dated: 19-02-21

Your Ref. No. B&W/AEN/1913 Dated: 08-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 08-02-21 Tested on: 19-02-21 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	A1		8.9x4.4x2.9	3237	39.16	43	2460	
2	A1		8.9x4.4x3.0	3394	39.16	45	2580	
3	A1		9.0x4.3x3.1	3452	38.7	37	2150	
4	A1		9.0x4.4x3.0	3444	39.6	35	1980	
5	A1		8.9x4.4x3.0	3296	39.16	35	2010	
6	A1		9.1x4.4x2.9	3288	40.04	33	1850	
7	A1		9.0x4.4x3.0	3492	39.6	31	1760	
8	A1		9.0x4.4x3.0	3381	39.6	39	2210	
9	A1		9.1x4.5x2.9	3399	40.95	33	1810	
10	A1		9.0x4.4x3.0	3290	39.6	37	2100	
11	A1		9.0x4.4x3.0	3242	39.6	35	1980	
12	A1		9.1x4.4x2.9	3370	40.04	39	2190	
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

686
Engr. A. Rehman

To: Mr. Abrar Hussain (G.M-Hussain)
Mughals Pakistan (Pvt.) Ltd. Lahore
Project: Nil

Our Ref. No. CL/CED/ 2175 Dated: 19-02-21

Your Ref. No. 786/MPL/150206/2021 Dated: 15-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 15-02-21 Tested on: 17-02-21 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	Classico Grey		3.8x3.8x2.3		14.44	23	3570	
2	Classico Grey		3.8x3.8x2.3		14.44	22	3420	
3	Classico Grey		3.8x3.8x2.3		14.44	20.5	3180	
4								
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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 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

687

To: **Mr. Abdullah Hussain (Resident Engineer, Rawailpura)** Dr. M. Yousaf
E&PHE Div., Nespak (Pvt.) Ltd. Lahore
Project: Punjab Intermediate Cities Improvement Invesment Program (PICIIP), Consultancy Services for Engineering, Procurement and Constt. Management, Watsan Sialkot (NCB-Works/PICIIP-02) Lot-01, Lot-02, & Lot-04

Our Ref. No. CL/CED/ 2176 Dated: 19-02-21

Your Ref. No. Nespak/SAH/ZKB-Reliable/UET/007 Dated: 15-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 15-02-21 Tested on: 19-02-21 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)	15	1	2021	6Diax12	14	28.28	66	5230	Non Engraved
2	(1 : 2 : 4)	15	1	2021	6Diax12	14	28.28	40	3170	Non Engraved
3	(1 : 2 : 4)	15	1	2021	6Diax12	14.2	28.28	66	5230	Non Engraved
4	(1 : 1.5 : 3)	15	1	2021	6Diax12	14.2	28.28	56	4440	Non Engraved
5	(1 : 1.5 : 3)	15	1	2021	6Diax12	14.2	28.28	79	6260	Non Engraved
6	(1 : 1.5 : 3)	15	1	2021	6Diax12	14	28.28	63	4990	Non Engraved
7	(1 : 1.5 : 3)	15	1	2021	6Diax12	14	28.28	63	4990	Non Engraved
8	(1 : 1.5 : 3)	15	1	2021	6Diax12	14	28.28	73	5790	Non Engraved
9	(1 : 1.5 : 3)	15	1	2021	6Diax12	14	28.28	66	5230	Non Engraved
10	(1 : 1 : 2)	15	1	2021	6Diax12	14	28.28	68	5390	Non Engraved
11	(1 : 1 : 2)	15	1	2021	6Diax12	14	28.28	68	5390	Non Engraved
12	(1 : 1 : 2)	15	1	2021	6Diax12	14	28.28	60	4760	Non Engraved
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

694

To: **M/s Gulf Construction Services** Dr. M. Yousaf
287 Commercial Zone LCCI Near DHA EME Sector, Lahore
Project: Private Project

Our Ref. No. CL/CED/ 2177 Dated: 19-02-21

Your Ref. No. GCS/23 Dated: 16-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 16-02-21 Tested on: 19-02-21 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	3000 Psi	2	2	2021	6Diax12	13.6	28.28	23	1830	Non Engraved
2	3000 Psi	2	2	2021	6Diax12	13.8	28.28	20	1590	Non Engraved
3										
4										
5										
6										
7										
8										
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6

* as engraved on the specimens (if any)
** 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

698

To: **Assistant Executive Engineer** Dr. M. Yousaf

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/ 2178 Dated: 19-02-21

Your Ref. No. AEE/NC/40 Dated: 20-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 16-02-21 Tested on: 19-02-21 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	Septic Tank # 2	25	12	2020	6Diax12	14	28.28	48	3810	Engraved
2	Septic Tank # 2	25	12	2020	6Diax12	14	28.28	43	3410	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

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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

702

To: **Mr. Azhar Abbas (Manager AF Associates)** Dr. M. Yousaf
A.F. Associates Lahore
Project: Mr. Ali Naeem's at 18-M5, Lakecity Lahore

Our Ref. No. CL/CED/ 2179 Dated: 19-02-21

Your Ref. No. Nil Dated: 16-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 16-02-21 Tested on: 19-02-21 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	1st Floor Slab	19	1	2021	6Diax12	13.2	28.28	32	2540	Engraved
2	1st Floor Slab	19	1	2021	6Diax12	13.4	28.28	29	2300	Engraved
3	1st Floor Slab	19	1	2021	6Diax12	13.2	28.28	31	2460	Engraved
4										
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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

705

To: **Col. (R) Raza Riasat (Resident Engineer)** Dr. M. Yousaf
New Vision Engineering Consultant, Lahore (M/s CMH Trader Pvt. Ltd. Company)
Project: Establishment of Genome Center at Virtual University KalaShah Kaku

Our Ref. No. CL/CED/ 2180 Dated: 19-02-21

Your Ref. No. NVEC/RE/VU/2021/11 Dated: 16-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 17-02-21 Tested on: 19-02-21 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	G.F Slab	16	1	2021	6Diax12	14	28.28	43	3410	Non Engraved
2	G.F Slab	16	1	2021	6Diax12	13.6	28.28	45	3570	Non Engraved
3	G.F Slab	16	1	2021	6Diax12	13.6	28.28	42	3330	Non Engraved
4										
5										
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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

707

To: **Mr. Ammar Haider Shah (Project Manager)** Dr. M. Yousaf
Minhaj University, Lahore
Project: Minhaj University, Lahore

Our Ref. No. CL/CED/ 2181 Dated: 19-02-21

Your Ref. No. MUL/HB/004 Dated: 17-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 17-02-21 Tested on: 19-02-21 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	RCC Roof Slab G.F	12	1	2021	6Diax12	14	28.28	63	4990	Non Engraved
2	RCC Roof Slab G.F	12	1	2021	6Diax12	14	28.28	58	4600	Non Engraved
3	RCC Roof Slab G.F	12	1	2021	6Diax12	14	28.28	73	5790	Non Engraved
4	RCC Roof Slab G.F	12	1	2021	6Diax12	14	28.28	65	5150	Non Engraved
5	RCC Columns F.F	17	1	2021	6Diax12	14	28.28	53	4200	Non Engraved
6	RCC Columns F.F	17	1	2021	6Diax12	14	28.28	69	5470	Non Engraved
7	RCC Columns F.F	18	1	2021	6Diax12	14	28.28	60	4760	Non Engraved
8	RCC Columns F.F	18	1	2021	6Diax12	14	28.28	63	4990	Non Engraved
9										
10										
11										
12										
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15										
16										

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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

710

To: **Site Incharge** Dr. M. Yousaf
Din Houses
Project: M1 House (Ground Floor Columns)

Our Ref. No. CL/CED/ 2182 Dated: 19-02-21

Your Ref. No. HM1/M4/LCHS/015 Dated: 15-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 17-02-21 Tested on: 19-02-21 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	3500 Psi	21	1	2021	6Diax12	13.4	28.28	31	2460	Non Engraved
2	3500 Psi	21	1	2021	6Diax12	13.2	28.28	33	2620	Non Engraved
3	3500 Psi	21	1	2021	6Diax12	13.4	28.28	32	2540	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

714

To: **Mr. Khalid Bashir** Dr. M. Yousaf
Ittefaq Building Solutions (Pvt.) Ltd. Lahore
Project: Mcdonalds Restaurant DHA-Rahber, Lahore

Our Ref. No. CL/CED/ 2183 Dated: 19-02-21

Your Ref. No. IBS/MCDR/CT31 Dated: 17-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 18-02-21 Tested on: 19-02-21 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	Raft	1	1	2021	6Diax12	14	28.28	57	4520	Non Engraved
2	Raft	1	1	2021	6Diax12	14	28.28	43	3410	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

715

To: **Mr. Ali Chaudary (Quality Manager)**
NEPCON, Lahore (Reon Energy)
Project: Unilever Foods Phol Nagar

Dr. M. Yousaf

Our Ref. No. CL/CED/ 2184-1 of 2 Dated: 19-02-21

Your Ref. No. Nil Dated: 17-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 18-02-21 Tested on: 19-02-21 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		19	1	2021	6Diax12	13.4	28.28	17	1350	Non Engraved
2		21	1	2021	6Diax12	13.2	28.28	28	2220	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

715

To: **Mr. Ali Chaudary (Quality Manager)**
NEPCON, Lahore (Reon Energy)
Project: Unilever Foods Phol Nagar

Dr. M. Yousaf

Our Ref. No. CL/CED/ 2184-2 of 2 Dated: 19-02-21

Your Ref. No. Nil Dated: 17-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 18-02-21 Tested on: 19-02-21 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		7 2 2021	6x6x6	8.8	36	43	2680	Engraved
2		6 2 2021	6x6x6	8.6	36	39	2430	Engraved
3								
4								
5								
6								
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9								
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13								
14								
15								
16								

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

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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

716

To: **Mr. Muhammad Tufail (Construction Team Leader)** Dr. M. Yousaf
Zor Engineers (Pvt.) Ltd.
Project: Good Shepherd Christian Hospital-Kasur (First Floor Slab)

Our Ref. No. CL/CED/ 2185 Dated: 19-02-21

Your Ref. No. 230.28.1/MT/19 Dated: 18-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 18-02-21 Tested on: 19-02-21 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	A	5	2	2021	6Diax12	14	28.28	63	4990	Engraved
2	B	5	2	2021	6Diax12	14	28.28	62	4920	Engraved
3										
4										
5										
6										
7										
8										
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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

693

To: **Sub Divisional Officer** Dr.Burhan Sharif
SSTH Multan Road, Lahore
Project: Construction of 3rd Floor at Raic Multan Road, Lahore

Our Ref. No. CL/CED/ 2186 Dated: 19-02-21

Your Ref. No. SS.DC/934 Dated: 12-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 16-02-21 Tested on: 19-02-21 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		18	1	2021	6x6x6	9	36	98	6100	Non Engraved
2		18	1	2021	6x6x6	8.8	36	118	7350	Non Engraved
3										
4										
5										
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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

703

To: **Sub Divisional Officer (Buildings)** Dr.Burhan Sharif
Sub Division, Ferozwala
Project: Construction of Punjab Judicial Academy at Kala Shah Kaku, Lahore (ADP No. 3272/2020-21)
Phase-II Group No: (Grade 1-10)

Our Ref. No. CL/CED/ 2187 Dated: 19-02-21

Your Ref. No. 931 Dated: 17-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 17-02-21 Tested on: 19-02-21 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	RCC Columns	12	1	2021	6x6x6	9	36	110	6850	Non Engraved
2	RCC Columns	12	1	2021	6x6x6	9	36	112	6970	Non Engraved
3	RCC Columns	12	1	2021	6x6x6	8.8	36	124	7720	Non Engraved
4										
5										
6										
7										
8										
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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

709

To: **Sub Divisional Officer** Dr. M. Yousaf
Buildings Sub Division No.12, Lahore
Project: Construction of Hostels for Students Alongwith Inter Connecting Bridge of Fatima Jinah Medical University Lahore (4th Floor Slab)

Our Ref. No. CL/CED/ 2188 Dated: 19-02-21

Your Ref. No. 123-24/SDO12th Dated: 16-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 17-02-21 Tested on: 19-02-21 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)	22	10	2020	6x6x6	9	36	51	3180	Non Engraved
2	(1 : 2 : 4)	22	10	2020	6x6x6	9	36	84	5230	Non Engraved
3										
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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

718

To: Sub Divisional Officer Dr.Burhan Sharif

Buildings Sub Division No.12, Lahore

Project: Establishment of mother & Child Block in Sir Ganga Ram Hospital, Lahore (A.D.P No.581/2019-20) Group No.1, Columns in Ground Floor (Portion-1)

Our Ref. No. CL/CED/ 2189 Dated: 19-02-21

Your Ref. No. 613/SDO12th Dated: 23-11-20

COMPRESSION TEST REPORT

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

Specimens received on: 18-02-21 Tested on: 19-02-21 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 : 1 : 2)	25	10	2020	6x6x6	8.8	36	78	4860	Non Engraved
2	(1 : 1 : 2)	25	10	2020	6x6x6	9	36	130	8090	Non Engraved
3	(1 : 1 : 2)	25	10	2020	6x6x6	9	36	136	8470	Non Engraved
4										
5										
6										
7										
8										
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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

708

To: **Sub Divisional Officer** Dr. Ambreen
Public Heath Engg: Sialkot.
Project: Construction Of Disposal Station Mohallah Water Works to Abbot Road Phatak and along the Railway Line to Dara Arrain U/C Water Works, Tehsil & Disrict Sialkot.

Our Ref. No. CL/CED/ 2190 Dated: 22-02-21

Your Ref. No. 591/sd Dated: 04-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 17-02-21 Tested on: 19-02-21 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	Uniblock Grey				2.3 Thick	3462	37.25	184	11070	
2	Uniblock Grey				2.3 Thick	3466	37.25	190	11430	
3	Uniblock Grey				2.3 Thick	3501	37.25	200	12030	
4	Uniblock Grey				2.3 Thick	3420	37.25	220	13230	
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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

708

To: **Sub Divisional Officer** Dr. Ambreen
Public Heath Engg: Sialkot.
Project: Construction Of Disposal Station Nasir Road Prem Nagar Road EIC School to Nullah Bhed U/C Model Town, Tehsil& District, Sialkot.

Our Ref. No. CL/CED/ 2191 Dated: 22-02-21

Your Ref. No. No. 590 Dated: 04-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 17-02-21 Tested on: 19-02-21 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	Uniblock Grey		2.3 Thick	3563	37.25	220	13230	
2	Uniblock Grey		2.3 Thick	3453	37.25	178	10710	
3	Uniblock Grey		2.3 Thick	3412	37.25	210	12630	
4	Uniblock Grey		2.3 Thick	3490	37.25	190	11430	
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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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