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

678

To: **Mr. Khalid Bashir** Dr. Mazar
Ittefaq Building Solution (Pvt.) Ltd.
Project: Construction of Mcdonalds Restaurant DHA-Rahber, Lahore.

Our Ref. No. CL/CED/ 2099 Dated: 16-02-21

Your Ref. No. IBS/MCDR/CT20 Dated: 15-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 15-02-21 Tested on: 15-02-21 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	Slab	15	1	2021	6Diax12	14.2	28.28	43	3410	Non Engraved
2	Slab	15	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

658

To: **Muhammad Azeem (Operational Manager)** Engr.Ubaid
Amer Adnan Associates Lahore.
Project: Construction of Hotel Building at 24-A Block E/2 at Gulberg III, Lahore.

Our Ref. No. CL/CED/ 2100 Dated: 16-02-21

Your Ref. No. AAA/24A./0024 Dated: 09-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 10-02-21 Tested on: 10-02-21 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	(5000) Psi	9	1	2021	6Diax12	15	28.28	108	8560	Non Engraved
2	(5000)Psi	9	1	2021	6Diax12	14	28.28	99	7850	Non Engraved
3	(5000)Psi	9	1	2021	6Diax12	14.4	28.28	108	8560	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

666

To: **Mr. Arfan Nazir (Manager Civil)** Dr.MAzar
Nishat Mills Limited, Lahore. (Guarantee Engineer,s (Pvt) Ltd.
Project: Construction of Nishat Mills Unit 2 Extention Building.

Our Ref. No. CL/CED/ 2101 Dated: 16-02-21

Your Ref. No. NAL/002 Dated: 03-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 11-02-21 Tested on: 15-02-21 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	Lift Walls(5000) Psi	6	1	2021	6x6x6	8.8	36	114	7100	Engraved
2	Lift Walls(5000) Psi	6	1	2021	6x6x6	8.8	36	118	7350	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

671

To: **Mr. Umair Maqsood (Sub Divisional Officer)** Dr.MAzar
Building Sub Division, Assembly Lahore.
Project:Construction of MPA Hostel (Phase-II) Lahore (Group No.02)

Our Ref. No. CL/CED/ 2102 Dated: 16-02-21

Your Ref. No. 117 Dated: 08-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 12-02-21 Tested on: 15-02-21 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 (1:2:4)	14	1	2021	6x6x6	9	36	63	3920	Engraved
2	Raft (1:2:4)	14	1	2021	6x6x6	8.8	36	63	3920	Engraved
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The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients). The test results are recommended to be interpreted in the light of above factors by the engineer.

supervisor(lab) **Director/Dy. Director Concrete Laboratory**

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

671

To: **Mr. Umair Maqsood (Sub Divisional Officer)** Dr.MAzar
Building Sub Division, Assembly Lahore.
Project: Construction of MPA Hostel (Phase-II) Lahore (Group No.02)

Our Ref. No. CL/CED/ 2103 Dated: 16-02-21

Your Ref. No. Letter No.116 Dated: 08-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 12-02-21 Tested on: 15-02-21 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 (1:2:4)	10	1	2021	6x6x6	9	36	98	6100	Engraved
2	Raft (1:2:4)	10	1	2021	6x6x6	8.6	36	90	5600	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

688

To: **Material Engineer** Dr. Burhan Shareef
TETRA Engineering (Pvt.) Ltd. (Shafiq Sb)
Project: Construction of Residential House plot #249 EE Block Behria Town, Lahore.

Our Ref. No. CL/CED/ 2104 Dated: 16-02-21

Your Ref. No. TRM/LAB/00036-201 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	26	12	2020	Diax12	13.6	28.28	61	4840	Non Engraved
2	(3000)Psi	26	12	2020	Diax12	13.4	28.28	47	3730	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

676

To: **Deputy Municipal Officer (I&S)** Dr. Mazar
Municipal Committee Gojra. (Punjab Power Concrete Limited Taxila)
Project: Improvement / Repair of AL-Haram City Road Hafeez Park Road to AL- Haram City Gojra.

Our Ref. No. CL/CED/ 2105 Dated: 16-02-21

Your Ref. No. No. 882 Dated: 11-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 12-02-21 Tested on: 15-02-21 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	Rectangular Grey				7.8x3.8x3.1	3588	29.64	61	4610	
2	Rectangular Grey				7.8x3.8x3.1	3668	29.64	75	5670	
3	Rectangular Grey				7.8x3.8x3.1	3610	29.64	65	4920	
4	Rectangular Grey				7.8x3.8x3.1	3622	29.64	71	5370	
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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

683

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 (GPS Jhallar Zaildaran)

Our Ref. No. CL/CED/ 2106 Dated: 16-02-21

Your Ref. No. IMC-LHR/SCRP/2020/MaterialTesting/LHR-1 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	Mortar Cube	7	2	2021	2.0x2.0x2.0	248	4	5	2760	
2	Mortar Cube	7	2	2021	2.0x2.0x2.0	251	4	4.5	2480	
3	Mortar Cube	7	2	2021	2.0x2.0x2.0	258	4	5.5	3040	
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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

683

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 (GHS Najabat)

Our Ref. No.
CL/CED/ 2107 Dated: 16-02-21

Your Ref. No. IMC-LHR/SCRP/2020/MaterialTesting/LHR-1 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	Mortar Cube	8	2	2021	2.0x2.0x2.0	289	4	11	6070	
2	Mortar Cube	8	2	2021	2.0x2.0x2.0	291	4	4	2210	
3	Mortar Cube	8	2	2021	2.0x2.0x2.0	294	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

683

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 Pial kalan)

Our Ref. No. CL/CED/ 2108 Dated: 16-02-21

Your Ref. No. IMC-LHR/SCRP/2020/ MaterialTesting/LHR-1 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	Mortar Cube	14	1	2021	2.0x2.0x2.0	292	4	5	2760	
2	Mortar Cube	14	1	2021	2.0x2.0x2.0	296	4	10	5510	
3	Mortar Cube	14	1	2021	2.0x2.0x2.0	297	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

683

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 Burj Ram Singh)

Our Ref. No. CL/CED/ 2109 Dated: 16-02-21

Your Ref. No. IMC-LHR/SCRP/2020/ MaterialTesting/LHR-1 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	Mortar Cube	16	1	2021	2.0x2.0x2.0	268	4	12	6620	
2	Mortar Cube	16	1	2021	2.0x2.0x2.0	267	4	7	3860	
3	Mortar Cube	16	1	2021	2.0x2.0x2.0	269	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

683

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 (GMHS kahna Nau)

Our Ref. No. CL/CED/ 2110 Dated: 16-02-21

Your Ref. No. IMC-LHR/SCRP/2020/ MaterialTesting/LHR-1 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	Mortar Cube	13	1	2021	2.0x2.0x2.0	274	4	12	6620	
2	Mortar Cube	13	1	2021	2.0x2.0x2.0	278	4	9	4960	
3	Mortar Cube	13	1	2021	2.0x2.0x2.0	271	4	17	9370	
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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

682

To: **Mr. Majid Yaseen (Provincial Construction Supervision Manager)** Dr.Ambreen
Humqadam SCRP (M/s Astral Constructions)
Project: Humqadam-School Construction and Rehabilitation Programme IMC WorldWide (GPS Chak 468 GB)

Our Ref. No. CL/CED/ 2110 Dated: 16-02-21

Your Ref. No. IMC-FSD/SCRP/2020 /MaterialTesting/FSD-1 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	Mortar Cube	15	1	2021	2.0x2.0x2.0	294	4	4.5	2480	
2	Mortar Cube	15	1	2021	2.0x2.0x2.0	287	4	11	6070	
3	Mortar Cube	15	1	2021	2.0x2.0x2.0	259	4	13	7170	
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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

682

To: **Mr. Majid Yaseen (Provincial Construction Supervision Manager)** Dr.Ambreen
Humqadam SCRP (M/s Astral Constructions)
Project: Humqadam-School Construction and Rehabilitation Programme IMC WorldWide (GGHS Chak 257 RB)

Our Ref. No. CL/CED/ 2112 Dated: 16-02-21

Your Ref. No. IMC-FSD/SCRP/2020/ MaterialTesting/FSD-1 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	Mortar Cube	13	1	2021	2.0x2.0x2.0	268	4	7	3860	
2	Mortar Cube	13	1	2021	2.0x2.0x2.0	258	4	7	3860	
3	Mortar Cube	13	1	2021	2.0x2.0x2.0	267	4	11	6070	
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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

682

To: **Mr. Majid Yaseen (Senior District Engineer)** Dr.Ambreen
Humqadam SCRP (M/s Astral Constructions)
Project: Humqadam-School Construction and Rehabilitation Programme IMC WorldWide (GGHS Chak 20 JB)

Our Ref. No. CL/CED/ 2113 Dated: 16-02-21

Your Ref. No. IMC-FSD/SCRP/2020/ MaterialTesting/FSD-1 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	Mortar Cube	4	1	2021	2.0x2.0x2.0	278	4	9	4960	
2	Mortar Cube	4	1	2021	2.0x2.0x2.0	282	4	3	1660	
3	Mortar Cube	4	1	2021	2.0x2.0x2.0	277	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 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

682

To: **Mr. Majid Yaseen (Senior District Engineer)** Dr.Ambreen
Humqadam SCRP (M/s Astral Constructions)
Project: Humqadam-School Construction and Rehabilitation Programme IMC WorldWide (GGHS Chak 20 JB)

Our Ref. No. CL/CED/ 2114 Dated: 16-02-21

Your Ref. No. IMC-FSD/SCRP/2020/ MaterialTesting/FSD-1 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	Mortar Cube	6	1	2021	2.0x2.0x2.0	272	4	5	2760	
2	Mortar Cube	6	1	2021	2.0x2.0x2.0	269	4	6	3310	
3	Mortar Cube	6	1	2021	2.0x2.0x2.0	256	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

682

To: **Mr. Majid Yaseen (Senior District Engineer)** Dr.Ambreen
Humqadam SCRP (M/s Astral Constructions)
Project: Humqadam-School Construction and Rehabilitation Programme IMC WorldWide (GGHS 24 JB)

Our Ref. No. CL/CED/ 2115 Dated: 16-02-21

Your Ref. No. IMC-FSD/SCRP/2020/ MaterialTesting/FSD-1 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	Mortar Cube	27	1	2021	2.0x2.0x2.0	262	4	5	2760	
2	Mortar Cube	27	1	2021	2.0x2.0x2.0	260	4	3	1660	
3	Mortar Cube	27	1	2021	2.0x2.0x2.0	263	4	3.5	1930	
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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

682
Dr.Burhan
Shareef

To: Mr. Majid Yaseen (Senior District)
Humqadam SCRP (M/s Astral Constructions)
Project: Humqadam-School Construction and Rehabilitation Programme (GPS Jhallar Zaildaran)

Our Ref. No. CL/CED/ 2116 Dated: 16-02-21

Your Ref. No. IMC-FSD-SCRP-/SCRP /2020/Material Testing/LHR-1 Dated: 16-02-21

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		5	1	21	6Diax12	13	28.28	39	3090	Non Engraved
2		5	1	21	6Diax12	12.8	28.28	53	4200	Non Engraved
3		5	1	21	6Diax12	12.6	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

682

To: **Mr. Majid Yaseen (Senior District)** Dr.Burhan Shareef
Humqadam SCRP (M/s Astral Constructions)
Project: Humqadam-School Construction and Rehabilitation Programme (GPS Jhallar Zaildaran)

Our Ref. No. CL/CED/ 2117 Dated: 16-02-21

Your Ref. No. IMC-FSD-SCRP-/SCRP/2020/Material Testing/LHR-1 Dated: 16-02-21

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		13	1	21	6Diax12	13	28.28	43	3410	Non Engraved
2		13	1	21	6Diax12	13	28.28	43	3410	Non Engraved
3		13	1	21	6Diax12	13	28.28	33	2620	Non Engraved
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6

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

Note: Above results pertain to the unsealed samples supplied to the laboratory
The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients). The test results are recommended to be interpreted in the light of above factors by the engineer.

supervisor(lab) **Director/Dy. Director Concrete Laboratory**

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

695

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

Dr. Ambreen

Our Ref. No. CL/CED/ 2118 Dated: 16-02-21

Your Ref. No. IHPL/CON/77 Dated: 13-02-21

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	(8000)Psi	26	1	21	6Diax12	13.8	28.28	94	7450	Non Engraved
2	(8000)Psi	26	1	21	6Diax12	13.2	28.28	98	7770	Non Engraved
3	(8000)Psi	26	1	21	6Diax12	14.2	28.28	108	8560	Non Engraved
4	(8000)Psi	21	12	20	6Diax12	14.4	28.28	146	11570	Non Engraved
5	(8000)Psi	21	12	20	6Diax12	14.6	28.28	144	11410	Non Engraved
6	(8000)Psi	21	12	20	6Diax12	14	28.28	122	9670	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

695

To: **Mr. Muhammad Shahbaz** Dr.Ambreen
Imperium Hospitality (Pvt.) Ltd.
Project: Nil

Our Ref. No. CL/CED/ 2120 Dated: 16-02-21

Your Ref. No. IHPL/CON/63 Dated: 11-02-21

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	(4000) Psi	17	1	21	6Diax12	14	28.28	71	5630	Non Engraved
2	(4000) Psi	17	1	21	6Diax12	14	28.28	73	5790	Non Engraved
3	(4000) Psi	17	1	21	6Diax12	13	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

695

To: **Mr. Muhammad Shahbaz** Dr.Ambreen
Imperium Hospitality (Pvt.) Ltd.
Project: Nil

Our Ref. No. CL/CED/ 2121 Dated: 16-02-21

Your Ref. No. IHPL/CON/76 Dated: 13-02-21

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	(4000) Psi	24	1	21	6Diax12	13.8	28.28	83	6580	Non Engraved
2	(4000) Psi	24	1	21	6Diax12	13.6	28.28	94	7450	Non Engraved
3	(4000) Psi	24	1	21	6Diax12	13.8	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 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

695

To: **Mr. Muhammad Shahbaz** Dr.Ambreen
Imperium Hospitality (Pvt.) Ltd.
Project: Nil

Our Ref. No. CL/CED/ 2122 Dated: 16-02-21

Your Ref. No. IHPL/CON/78 Dated: 13-02-21

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	(8000) Psi	6	1	21	6Diax12	14.4	28.28	128	10140	Non Engraved
2	(8000) Psi	6	1	21	6Diax12	14.4	28.28	148	11730	Non Engraved
3	(8000) Psi	6	1	21	6Diax12	14.4	28.28	144	11410	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**