



# Plain and Reinforced Concrete Laboratory

## Department of Civil Engineering

University of Engineering and Technology, Lahore

Phone Nos. 042-99029202, 042-99029217

959

To: Mr. Hassan Khan Sherwani (Provincial Construction Supervision Manager)

Dr. Ambreen

Humqadam SCRIP (M/s Astral Constructions)

Project: Humqadam-School Construction and Rehabilitation Programme IMC WorldWide (GHS Kangan Pur)

Our Ref. No. CL/CED/

2614

Dated:

30-03-21

Your Ref. No.

IMC-LHR/SCRIP/2020/  
MaterialTesting/LHR-1

Dated:

29-03-21

## COMPRESSION TEST REPORT

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

Specimens received  
on:

29-03-21

Tested on:

30-03-21

in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		/Wet Weight (gms)								
1	Mortar Cube	28	2	2021	2.0x2.0x2.0	272	4	8	4410	
2	Mortar Cube	28	2	2021	2.0x2.0x2.0	269	4	11	6070	
3	Mortar Cube	28	2	2021	2.0x2.0x2.0	270	4	16	8820	
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](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" dia x 12" cylinder) strength at 28 days as compressive 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

960

To: Mr. Majid Yaseen (Sr. District Engineer)

Dr. Ambreen

Humqadam SCRП Faislabad (M/s Astral Constructions)

Project: Humqadam-School Construction and Rehabilitation Programme IMC WorldWide (GGES Sindhu Pura)

Our Ref. No. CL/CED/

2615

Dated:

30-03-21

Your Ref. No.

IMC-FSD/SCRП/2020/  
MaterialTesting/FSD-1

Dated:

29-03-21

## COMPRESSION TEST REPORT

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

Specimens received

on:

29-03-21

Tested on:

30-03-21 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		/Wet Weight (gms)								
1	Mortar Cube	27	2	2021	2.0x2.0x2.0	259	4	14	7720	
2	Mortar Cube	27	2	2021	2.0x2.0x2.0	263	4	6	3310	
3	Mortar Cube	27	2	2021	2.0x2.0x2.0	258	4	5	2760	
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](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" dia x 12" cylinder) strength at 28 days as compressive 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

960

To: Mr. Majid Yaseen (Sr. District Engineer)

Dr. Ambreen

Humqadam SCRП Faisalabad (M/s Astral Constructions)

Project: Humqadam-School Construction and Rehabilitation Programme IMC WorldWide (GHS Hadali)

Our Ref. No. CL/CED/

2616

Dated:

30-03-21

Your Ref. No.

IMC-FSD/SCRП/2021/

MaterialTesting/FSD-1

Dated:

29-03-21

## COMPRESSION TEST REPORT

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

Specimens received

on:

29-03-21

Tested on:

30-03-21

in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		/Wet Weight (gms)								
1	Mortar Cube	28	2	2021	2.0x2.0x2.0	259	4	6	3310	
2	Mortar Cube	28	2	2021	2.0x2.0x2.0	267	4	3	1660	
3	Mortar Cube	28	2	2021	2.0x2.0x2.0	271	4	5	2760	
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](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" dia x 12" cylinder) strength at 28 days as compressive 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

960

To: **Mr. Majid Yaseen (Sr. District Engineer)**  
**Humqadam SCRIP Faisalabad (M/s Astral Constructions)**

Dr. Ambreen

**Project: Humqadam-School Construction and Rehabilitation Programme IMC WorldWide (GHS Chak 61RB)**

Our Ref. No. CL/CED/ 2617 Dated: 30-03-21

Your Ref. No. IMC-FSD/SCRIP/2020/  
MaterialTesting/FSD-1 Dated: 29-03-21

## COMPRESSION TEST REPORT

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

Specimens received on: 29-03-21 Tested on: 30-03-21 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		/Wet Weight (gms)								
1	Mortar Cube	21	3	2021	2.0x2.0x2.0	279	4	10	5510	
2	Mortar Cube	21	3	2021	2.0x2.0x2.0	282	4	6	3310	
3	Mortar Cube	21	3	2021	2.0x2.0x2.0	274	4	7	3860	
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](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" dia x 12" cylinder) strength at 28 days as compressive 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

960

To: Mr. Majid Yaseen (Sr. District Engineer)

Dr. Ambreen

Humqadam SCRП Faisalabad (M/s Astral Constructions)

Project: Humqadam-School Construction and Rehabilitation Programme IMC WorldWide (GGES Chak 106 JB)

Our Ref. No.  
CL/CED/

2618

Dated:

30-03-21

Your Ref. No.

IMC-FSD/SCRП/2020/  
MaterialTesting/FSD-1

Dated:

29-03-21

## COMPRESSION TEST REPORT

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

Specimens received  
on:

29-03-21

Tested on:

30-03-21

in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		1	3	2021						
1	Mortar Cube	1	3	2021	2.0x2.0x2.0	269	4	9	4960	
2	Mortar Cube	1	3	2021	2.0x2.0x2.0	271	4	6	3310	
3	Mortar Cube	1	3	2021	2.0x2.0x2.0	273	4	11	6070	
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](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" dia x 12" cylinder) strength at 28 days as compressive 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

960

Dr. Ambreen

To: **Mr. Majid yaseen (Sr. District Engineer)**

**Humqadam SCRP Faislabad (M/s Astral Constructions)**

**Project: Humqadam-School Construction and Rehabilitation Programme IMC Worldwide (GHS Hadali)**

Our Ref. No. CL/CED/

2619

Dated:

30-03-21

Your Ref. No.

IMC-FSD-SCRP-/SCRP/2021/

Material Testing/FSD-1

Dated:

29-03-21

## COMPRESSION TEST REPORT

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

Specimens received on:

29-03-21

Tested on:

30-03-21

in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		/Wet Weight (gms)								
1		28	2	20	6Diax12	12.8	28.28	43	3410	Non Engraved
2		28	2	20	6Diax12	13	28.28	33	2620	Non Engraved
3		28	2	20	6Diax12	13	28.28	37	2940	Non Engraved
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](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" dia x 12" cylinder) strength at 28 days as compressive 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

960

Dr. Ambreen

To: Mr. Majid yaseen (Sr. District Engineer)

Humqadam SCRP Faisalabad (M/s Astral Constructions)

Project: Humqadam-School Construction and Rehabilitation Programme IMC Worldwide (GHS Chak 61 RB)

Our Ref. No. CL/CED/ 2620 Dated: 30-03-21

Your Ref. No. IMC-FSD-SCRP-/SCRP/2021 Dated: 29-03-21  
/Material Testing/FSD-1

## COMPRESSION TEST REPORT

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

Specimens received on: 29-03-21 Tested on: 30-03-21 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		Month	Day	Year						
1		20	3	2021	6Diax12	13	28.28	43	3410	Non Engraved
2		20	3	2021	6Diax12	13	28.28	47	3730	Non Engraved
3		20	3	2021	6Diax12	12.8	28.28	41	3250	Non Engraved
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](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 compressive 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

938

Dr. Umbreen

To: **MG Construction & Services (Pvt.) Ltd.**

**Islamabad**

**Project: Roof Beam and Slab PTCL Contact Center Wafaqi Colony**

Our Ref. No. CL/CED/ 2621 Dated: 30-03-21

Your Ref. No. Nil Dated: 25-03-21

## COMPRESSION TEST REPORT

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

Specimens received on: 25-03-21 Tested on: 30-03-21 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		Month	Day	Year						
1	3000 Psi	5	3	2021	6Diax12	13.2	28.28	35	2780	Engraved
2	3000 Psi	5	3	2021	6Diax12	13	28.28	35	2780	Engraved
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/departament?RID=testing\\_reports&id=6](http://www.uet.edu.pk/faculties/facultiesinfo/departament?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" dia x 12" cylinder) strength at 28 days as compressive 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

940

Dr. Umbreen

**To: Mr. Mudassar Iqbal (Manager QC)**  
**Country Developers (Pvt.) Ltd.**  
**Project: PGC Campus 227-230 Muslim Town**

Our Ref. No. CL/CED/ 2622 Dated: 30-03-21

Your Ref. No. CD-20-Testing/Con/MT-007 Dated: 22-03-21

## COMPRESSION TEST REPORT

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

Specimens received on: 25-03-21 Tested on: 30-03-21 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		Month	Day	Year						
1	Slab on Grade (3000 Psi)	7	3	2021	6Diax12	13.4	28.28	35	2780	Engraved
2	Slab on Grade (3000 Psi)	7	3	2021	6Diax12	14.6	28.28	39	3090	Engraved
3	Slab on Grade (3000 Psi)	7	3	2021	6Diax12	13.6	28.28	37	2940	Engraved
4	Ground Flr. Cols. (4000 Psi)	5	3	2021	6Diax12	14	28.28	63	4990	Non Engraved
5	Ground Flr. Cols. (4000 Psi)	5	3	2021	6Diax12	13.8	28.28	69	5470	Non Engraved
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](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 compressive 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

945

Dr. Ambreen

**To: Mr. Mumtaz Ali (Executive Engineer)**  
**Assistant Garrison Engineer (Army) Pattoki**  
**Project: Nil**

Our Ref. No. CL/CED/ 2623 Dated: 30-03-21

Your Ref. No. 600-TR/04/E-6 Dated: 17-03-21

## COMPRESSION TEST REPORT

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

Specimens received on: 25-03-21 Tested on: 30-03-21 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size (in)	Weight (lbs./gms)	Area of X- Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
		Month	Day	Year						
1		17	1	2021	6Diax12	13	28.28	94	7450	Non Engraved
2		17	1	2021	6Diax12	13.8	28.28	88	6970	Non Engraved
3		17	1	2021	6Diax12	13.6	28.28	104	8240	Non Engraved
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/departments?RID=testing\\_reports&id=6](http://www.uet.edu.pk/faculties/facultiesinfo/departments?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 compressive 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**