



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

321

To: **Hassan Khan Sherwani (Provincial Construction Supervision Manager)**  
**Humqadam SCRП (M/s Astral Constructions)**  
**Project: Humqadam-School Construction and Rehabilitation Programme (Kan Jra)**

Dr. Mazhar Saleem

Our Ref. No. CL/CED/ 1490 Dated: 29-12-20

Your Ref. No. IMC-LHR/SCRП/2020/  
Material Testing/LHR-1 Dated: 23-12-20

## COMPRESSION TEST REPORT

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

Specimens received on: 23-12-20 Tested on: 28-12-20 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	16	12	2020	2.0x2.0x2.0	277	4	3.5	1930	
2	Mortar Cube	16	12	2020	2.0x2.0x2.0	273	4	3.5	1930	
3	Mortar Cube	16	12	2020	2.0x2.0x2.0	275	4	2.7	1490	
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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

321

To: Hassan Khan Sherwani (Provincial Construction Supervision Manager)

Dr. Mazhar Saleem

Humqadam SCRP (M/s Astral Constructions)

Project: Humqadam-School Construction and Rehabilitation Programme (Sundar)

Our Ref. No. CL/CED/

1491

Dated:

29-12-20

Your Ref. No.

IMC-LHR/SCRP/2020/

Material Testing/LHR-1

Dated:

23-12-20

## COMPRESSION TEST REPORT

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

Specimens received

on:

23-12-20

Tested on:

28-12-20

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	15	12	2020	2.0x2.0x2.0	278	4	5.8	3200	
2	Mortar Cube	15	12	2020	2.0x2.0x2.0	273	4	5.4	2980	
3	Mortar Cube	15	12	2020	2.0x2.0x2.0	277	4	6.1	3370	
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Director/Dy. Director Concrete Laboratory



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**Department of Civil Engineering**  
University of Engineering and Technology, Lahore  
Phone Nos. 042-99029202, 042-99029217

321

To: **Hassan Khan Sherwani (Provincial Construction Supervision Manager)**  
**Humqadam SCRП (M/s Astral Constructions)**

Dr.Mazhar Saleem

**Project: Humqadam-School Construction and Rehabilitation Programme (Share Shah)**

Our Ref. No. CL/CED/ 1492 Dated: 29-12-20

Your Ref. No. IMC-LHR/SCRП/2020/  
MaterialTesting/LHR-1 Dated: 23-12-20

## COMPRESSION TEST REPORT

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

Specimens received on: 23-12-20 Tested on: 28-12-20 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	16	12	2020	2.0x2.0x2.0	293	4	4.1	2260	
2	Mortar Cube	16	12	2020	2.0x2.0x2.0	289	4	2.7	1490	
3	Mortar Cube	16	12	2020	2.0x2.0x2.0	288	4	3.9	2150	
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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

321

To: Hassan Khan Sherwani (Provincial Construction Supervision Manager)

Dr. Mazhar Saleem

Humqadam SCRП (M/s Astral Constructions)

Project: Humqadam-School Construction and Rehabilitation Programme (Share Shah)

Our Ref. No. CL/CED/ 1492 Dated: 29-12-20

Your Ref. No. IMC-LHR/SCRП/2020/  
MaterialTesting/LHR-1 Dated: 23-12-20

## COMPRESSION TEST REPORT

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

Specimens received on: 23-12-20 Tested on: 28-12-20 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	16	12	2020	2.0x2.0x2.0	293	4	4.1	2260	
2	Mortar Cube	16	12	2020	2.0x2.0x2.0	289	4	2.7	1490	
3	Mortar Cube	16	12	2020	2.0x2.0x2.0	288	4	3.9	2150	
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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

342

Dr.Umbreen

To: Hassan Khan Sherwani (Provincial Construction Supervision Manager)

Humqadam SCRP (M/s Astral Constructions)

Project: Humqadam-School Construction and Rehabilitation Programme (G.H.S Ravi Road)

Our Ref. No. CL/CED/

1494

Dated:

29-12-20

Your Ref. No.

IMC-LHR/SCRP/2020  
/MaterialTesting/LHR-1

Dated:

28-12-20

## COMPRESSION TEST REPORT

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

Specimens received

on:

28-12-20

Tested on:

29-12-20

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	12	2020	2.0x2.0x2.0	271	4	9	4960	
2	Mortar Cube	21	12	2020	2.0x2.0x2.0	274	4	9	4960	
3	Mortar Cube	21	12	2020	2.0x2.0x2.0	269	4	8	4410	
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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

342

To: Hassan Khan Sherwani (Provincial Construction Supervision Manager)

Dr.Umbreen

Humqadam SCRП (M/s Astral Constructions)

Project: Humqadam-School Construction and Rehabilitation Programme (G.G.PS Lakhun k Shareef)

Our Ref. No. CL/CED/

1495

Dated:

29-12-20

Your Ref. No.

IMC-LHR/SCRП/2020/

MaterialTesting/LHR-1

Dated:

28-12-20

## COMPRESSION TEST REPORT

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

Specimens received

on:

28-12-20

Tested on:

29-12-20

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	12	2020	2.0x2.0x2.0	269	4	8	4410	
2	Mortar Cube	21	12	2020	2.0x2.0x2.0	276	4	7	3860	
3	Mortar Cube	21	12	2020	2.0x2.0x2.0	274	4	5	2760	
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University of Engineering and Technology, Lahore  
Phone Nos. 042-99029202, 042-99029217

342

Dr.Umbreen

**To: Hassan Khan Sherwani (Provincial Construction Supervision Manager)**  
**Humqadam SCRП (M/s Astral Constructions)**  
**Project: Humqadam-School Construction and Rehabilitation Programme (Aray Bazar)**

Our Ref. No. CL/CED/ 1496 Dated: 29-12-20

Your Ref. No. IMC-LHR/SCRП/2020/  
MaterialTesting/LHR-1 Dated: 28-12-20

## COMPRESSION TEST REPORT

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

Specimens received on: 28-12-20 Tested on: 29-12-20 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	18	12	2020	2.0x2.0x2.0	261	4	7	3860	
2	Mortar Cube	18	12	2020	2.0x2.0x2.0	268	4	8	4410	
3	Mortar Cube	18	12	2020	2.0x2.0x2.0	269	4	5	2760	
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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

342

To: Hassan Khan Sherwani (Provincial Construction Supervision Manager)

Dr.Umbreen

Humqadam SCRП (M/s Astral Constructions)

Project: Humqadam-School Construction and Rehabilitation Programme (G.G.PS Devsani)

Our Ref. No. CL/CED/

1497

Dated:

29-12-20

Your Ref. No.

IMC-LHR/SCRП/2020/

MaterialTesting/LHR-1

Dated:

28-12-20

## COMPRESSION TEST REPORT

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

Specimens received on:

28-12-20

Tested on:

29-12-20

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	12	2020	2.0x2.0x2.0	273	4	7	3860	
2	Mortar Cube	21	12	2020	2.0x2.0x2.0	286	4	4	2210	
3	Mortar Cube	21	12	2020	2.0x2.0x2.0	281	4	3	1660	
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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

342

Dr.Umbreen

**To: Hassan Khan Sherwani (Provincial Construction Supervision Manager)**  
**Humqadam SCRP (M/s Astral Constructions)**  
**Project: Humqadam-School Construction and Rehabilitation Programme (Mughal Pura)**

Our Ref. No. CL/CED/ 1498 Dated: 29-12-20

Your Ref. No. IMC-LHR/SCR/2020/  
MaterialTesting/LHR-1 Dated: 28-12-20

## COMPRESSION TEST REPORT

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

Specimens received on: 28-12-20 Tested on: 29-12-20 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	18	12	2020	2.0x2.0x2.0	269	4	8	4410	
2	Mortar Cube	18	12	2020	2.0x2.0x2.0	274	4	6	3310	
3	Mortar Cube	18	12	2020	2.0x2.0x2.0	276	4	3.4	1880	
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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

342

To: Hassan Khan Sherwani (Provincial Construction Supervision Manager)

Dr.Umbreen

Humqadam SCRП (M/s Astral Constructions)

Project: Humqadam-School Construction and Rehabilitation Programme (GES DEV KALAN)

Our Ref. No. CL/CED/

1499

Dated:

29-12-20

Your Ref. No.

IMC-LHR/SCRП/2020/

MaterialTesting/LHR-1

Dated:

28-12-20

## COMPRESSION TEST REPORT

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

Specimens received

on:

28-12-20

Tested on:

29-12-20

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	12	2020	2.0x2.0x2.0	281	4	4	2210	
2	Mortar Cube	21	12	2020	2.0x2.0x2.0	269	4	6	3310	
3	Mortar Cube	21	12	2020	2.0x2.0x2.0	274	4	4	2210	
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supervisor(lab)

Director/Dy. Director Concrete Laboratory



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**Department of Civil Engineering**  
University of Engineering and Technology, Lahore  
Phone Nos. 042-99029202, 042-99029217

342

Dr.Umbreen

**To: Hassan Khan Sherwani (Provincial Construction Supervision Manager)**  
**Humqadam SCRП (M/s Astral Constructions)**  
**Project: Humqadam-School Construction and Rehabilitation Programme (G.P.S GaGa)**

Our Ref. No. CL/CED/ 1500 Dated: 29-12-20

Your Ref. No. IMC-LHR/SCRП/2020/  
MaterialTesting/LHR-1 Dated: 28-12-20

## COMPRESSION TEST REPORT

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

Specimens received on: 28-12-20 Tested on: 29-12-20 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	20	12	2020	2.0x2.0x2.0	269	4	7.5	4140	
2	Mortar Cube	20	12	2020	2.0x2.0x2.0	267	4	6.5	3590	
3	Mortar Cube	20	12	2020	2.0x2.0x2.0	262	4	6	3310	
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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

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To: Hassan Khan Sherwani (Provincial Construction Supervision Manager)

Dr.Umbreen

Humqadam SCRП (M/s Astral Constructions)

Project: Humqadam-School Construction and Rehabilitation Programme (G.P.S GaGa)

Our Ref. No. CL/CED/ 1500 Dated: 29-12-20

Your Ref. No. IMC-LHR/SCRП/2020/  
MaterialTesting/LHR-1 Dated: 28-12-20

## COMPRESSION TEST REPORT

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

Specimens received on:

28-12-20

Tested on:

29-12-20

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	20	12	2020	2.0x2.0x2.0	269	4	7.5	4140	
2	Mortar Cube	20	12	2020	2.0x2.0x2.0	267	4	6.5	3590	
3	Mortar Cube	20	12	2020	2.0x2.0x2.0	262	4	6	3310	
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.

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