



Plain and Reinforced Concrete Laboratory

Department of Civil Engineering

University of Engineering and Technology, Lahore

Phone Nos. 042-99029202, 042-99029217

494

To: Mr. Muhammad Majid Yaseen (Senior District Engineer)

Engr. Ubaid

Humqadam SCRP (M/s Astral Constructions)

Project: Humqadam School Construction and Rehabilitation Programme(Plaster) (GGHS CHAK No. 20JB)

Our Ref. No. CL/CED/

1729

Dated:

21-01-21

Your Ref. No.

IMC-FSD/SCRP/2021/

MaterialTesting/FSD-1

Dated:

13-01-21

COMPRESSION TEST REPORT

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

Specimens received on:

20-01-21

Tested on:

21-01-21

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	6	1	2021	2x2x2	260	4	1.9	1050	
2	Mortar Cube	6	1	2021	2x2x2	256	4	5.5	3040	
3	Mortar Cube	6	1	2021	2x2x2	261	4	2	1110	
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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" 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

494

Engr. Ubaid

To: **Mr. Muhammad Majid Yaseen (Senior District Engineer)**

Humqadam SCRП (M/s Astral Constructions)

Project: Humqadam School Construction and Rehabilitation Programme(Plaster) (GGHS CHAK No.20JB)

Our Ref. No. CL/CED/ 1728 Dated: 21-01-21

Your Ref. No. IMC-FSD/SCRП/2021 /MaterialTesting/FSD-1 Dated: 13-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 20-01-21 Tested on: 21-01-21 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	4	1	2021	2x2x2	259	4	1.9	1050	
2	Mortar Cube	4	1	2021	2x2x2	261	4	5.5	3040	
3	Mortar Cube	4	1	2021	2x2x2	263	4	4.6	2540	
4										
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University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

494

To: **Mr. Muhammad Majid Yaseen (Senior District Engineer)**

Engr. Ubaid

Humqadam SCRП (M/s Astral Constructions)

Project: Humqadam School Construction and Rehabilitation Programme(Plaster) (GGES Ghulam Muhammad Abad)

Our Ref. No. CL/CED/ 1730 Dated: 21-01-21

Your Ref. No. IMC-FSD/SCRП/2021/
MaterialTesting/FSD-1 Dated: 13-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 20-01-21 Tested on: 21-01-21 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	5	1	2021	2x2x2	268	4	4.5	2480	
2	Mortar Cube	5	1	2021	2x2x2	271	4	7.7	4250	
3	Mortar Cube	5	1	2021	2x2x2	243	4	4.4	2430	
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Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

495

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

Engr. Ubaid

Project: Humqadam School Construction and Rehabilitation Programme (GGHS Hussain Khan Wala)

Our Ref. No. CL/CED/ 1731 Dated: 21-01-21

Your Ref. No. IMC-LHR/SCR/2020/
Material Testing/LHR-1 Dated: 20-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 20-01-21 Tested on: 21-01-21 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	11	1	2021	2.0x2.0x2.0	236	4	3.3	1820	
2	Mortar Cube	11	1	2021	2.0x2.0x2.0	249	4	7.7	4250	
3	Mortar Cube	11	1	2021	2.0x2.0x2.0	278	4	5.2	2870	
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**** 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.

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Phone Nos. 042-99029202, 042-99029217

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To: Mr. Muhammad Majid Yaseen (Senior District Engineer)

Engr. Ubaid

Humqadam SCRП (M/s Astral Constructions)

Project: Humqadam School Construction and Rehabilitation Programme(Plaster) (GGES Ghulam Muhammad Abad)

Our Ref. No. CL/CED/ 1730 Dated: 21-01-21

Your Ref. No. IMC-FSD/SCRП/2021/
MaterialTesting/FSD-1 Dated: 13-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 20-01-21 Tested on: 21-01-21 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	5	1	2021	2x2x2	268	4	4.5	2480	
2	Mortar Cube	5	1	2021	2x2x2	271	4	7.7	4250	
3	Mortar Cube	5	1	2021	2x2x2	243	4	4.4	2430	
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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

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

495

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

Engr. Ubaid

Humqadam SCRP (M/s Astral Constructions)

Project: Humqadam School Construction and Rehabilitation Programme (GPS Kot Nizam Din)

Our Ref. No. CL/CED/ 1732 Dated: 21-01-21

Your Ref. No. IMC-LHR/SCRP/2020/
Material Testing/LHR-1 Dated: 20-01-21

COMPRESSION TEST REPORT

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

Specimens received
on:

20-01-21

Tested on:

21-01-21

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	10	1	2021	2.0x2.0x2.0	239	4	7	3860	
2	Mortar Cube	10	1	2021	2.0x2.0x2.0	258	4	4	2210	
3	Mortar Cube	10	1	2021	2.0x2.0x2.0	275	4	2.8	1550	
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* 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

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Department of Civil Engineering

University of Engineering and Technology, Lahore

Phone Nos. 042-99029202, 042-99029217

495

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

Engr. Ubaid

Humqadam SCRП (M/s Astral Constructions)

Project: Humqadam School Construction and Rehabilitation Programme (GHS Ali Raza Abad)

Our Ref. No. CL/CED/ 1733 Dated: 21-01-21

Your Ref. No. IMC-LHR/SCRП/2020/
MaterialTesting/LHR-1 Dated: 20-01-21

COMPRESSION TEST REPORT

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

Specimens received
on:

20-01-21

Tested on:

21-01-21 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	14	12	2020	2.0x2.0x2.0	283	4	2.3	1270	
2	Mortar Cube	14	12	2020	2.0x2.0x2.0	294	4	2.9	1600	
3	Mortar Cube	14	12	2020	2.0x2.0x2.0	296	4	2.2	1220	
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* 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

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Phone Nos. 042-99029202, 042-99029217

495

Engr. Ubaid

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

Humqadam SCRП (M/s Astral Constructions)

Project: Humqadam School Construction and Rehabilitation Programme (GHS Saraich)

Our Ref. No. CL/CED/

1734

Dated:

21-01-21

Your Ref. No.

IMC-LHR/SCRП/2020/
MaterialTesting/LHR-1

Dated:

20-01-21

COMPRESSION TEST REPORT

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

Specimens received
on:

20-01-21

Tested on:

21-01-21

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	14	12	2020	2.0x2.0x2.0	291	4	9.3	5130	
2	Mortar Cube	14	12	2020	2.0x2.0x2.0	294	4	7.5	4140	
3	Mortar Cube	14	12	2020	2.0x2.0x2.0	289	4	7.7	4250	
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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" dia x 12" cylinder) strength at 28 days as compressive strength

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Plain and Reinforced Concrete Laboratory

Department of Civil Engineering

University of Engineering and Technology, Lahore

Phone Nos. 042-99029202, 042-99029217

495

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

Engr. Ubaid

Humqadam SCRП (M/s Astral Constructions)

Project: Humqadam School Construction and Rehabilitation Programme (Sher Shah)

Our Ref. No. CL/CED/ 1735 Dated: 21-01-21

Your Ref. No. IMC-LHR/SCRП/2020/
MaterialTesting/LHR-1 Dated: 20-01-21

COMPRESSION TEST REPORT

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

Specimens received
on:

20-01-21

Tested on:

21-01-21 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	16	12	2020	2.0x2.0x2.0	278	4	8.8	4850	
2	Mortar Cube	16	12	2020	2.0x2.0x2.0	286	4	9.7	5350	
3	Mortar Cube	16	12	2020	2.0x2.0x2.0	290	4	3.4	1880	
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Results can also be seen on website 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

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Plain and Reinforced Concrete Laboratory
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Phone Nos. 042-99029202, 042-99029217

495

Engr. Ubaid

To: Mr. Hassan Khan Sherwani (Provincial Construction Supervision Manager)
Humqadam SCRП (M/s Astral Constructions)
Project: Humqadam School Construction and Rehabilitation Programme (GES Sunder)

Our Ref. No. CL/CED/ 1736 Dated: 21-01-21

Your Ref. No. IMC-LHR/SCRП/2020/
MaterialTesting/LHR-1 Dated: 20-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 20-01-21 Tested on: 21-01-21 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	15	12	2020	2.0x2.0x2.0	312	4	6.5	3590	
2	Mortar Cube	15	12	2020	2.0x2.0x2.0	269	4	5.8	3200	
3	Mortar Cube	15	12	2020	2.0x2.0x2.0	308	4	8.7	4800	
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* as engraved on the specimens (if any)

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Department of Civil Engineering

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

Engr. Ubaid

Humqadam SCRП (M/s Astral Constructions)

Project: Humqadam School Construction and Rehabilitation Programme (GES Sunder)

Our Ref. No. CL/CED/ 1736 Dated: 21-01-21

Your Ref. No. IMC-LHR/SCRП/2020/
MaterialTesting/LHR-1 Dated: 20-01-21

COMPRESSION TEST REPORT

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

Specimens received
on:

20-01-21

Tested on:

21-01-21 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	15	12	2020	2.0x2.0x2.0	312	4	6.5	3590	
2	Mortar Cube	15	12	2020	2.0x2.0x2.0	269	4	5.8	3200	
3	Mortar Cube	15	12	2020	2.0x2.0x2.0	308	4	8.7	4800	
4										
5										
6										
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departments?RID=testing_reports&id=6

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

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Phone Nos. 042-99029202, 042-99029217

495

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

Engr. Ubaid

Humqadam SCRП (M/s Astral Constructions)

Project: Humqadam School Construction and Rehabilitation Programme (GGHS Barket Market)

Our Ref. No. CL/CED/

1738

Dated:

21-01-21

Your Ref. No.

IMC-LHR/SCRП/2020/
MaterialTesting/LHR-1

Dated:

20-01-21

COMPRESSION TEST REPORT

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

Specimens received
on:

20-01-21

Tested on:

21-01-21

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	14	12	2020	2.0x2.0x2.0	252	4	3.8	2100	
2	Mortar Cube	14	12	2020	2.0x2.0x2.0	320	4	8.7	4800	
3	Mortar Cube	14	12	2020	2.0x2.0x2.0	318	4	8.6	4740	
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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" 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

495

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

Engr. Ubaid

Project: Humqadam School Construction and Rehabilitation Programme (GGHS Barket Market)

Our Ref. No. CL/CED/ 1738 Dated: 21-01-21

Your Ref. No. IMC-LHR/SCRП/2020/
MaterialTesting/LHR-1 Dated: 20-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 20-01-21 Tested on: 21-01-21 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	14	12	2020	2.0x2.0x2.0	252	4	3.8	2100	
2	Mortar Cube	14	12	2020	2.0x2.0x2.0	320	4	8.7	4800	
3	Mortar Cube	14	12	2020	2.0x2.0x2.0	318	4	8.6	4740	
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Results can also be seen on website 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



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

495

Engr. Ubaid

To: Mr. Hassan Khan Sherwani (Provincial Construction Supervision Manager)
Humqadam SCRIP (M/s Astral Constructions)
Project: Humqadam School Construction and Rehabilitation Programme (Mughalpura)

Our Ref. No. CL/CED/ 1740 Dated: 21-01-21

Your Ref. No. IMC-LHR/SCRIP/2020/
MaterialTesting/LHR-1 Dated: 20-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 20-01-21 Tested on: 21-01-21 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	18	12	2020	2.0x2.0x2.0	272	4	5	2760	
2	Mortar Cube	18	12	2020	2.0x2.0x2.0	273	4	5	2760	
3	Mortar Cube	18	12	2020	2.0x2.0x2.0	257	4	7.9	4360	
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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" 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

495

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

Engr. Ubaid

Humqadam SCRП (M/s Astral Constructions)

Project: Humqadam School Construction and Rehabilitation Programme (GGES Dhalla Kot)

Our Ref. No. CL/CED/ 1741 Dated: 21-01-21

Your Ref. No. IMC-LHR/SCRП/2020/
MaterialTesting/LHR-1 Dated: 20-01-21

COMPRESSION TEST REPORT

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

Specimens received
on:

20-01-21

Tested on:

21-01-21 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	13	12	2020	2.0x2.0x2.0	261	4	7.2	3970	
2	Mortar Cube	13	12	2020	2.0x2.0x2.0	248	4	8	4410	
3	Mortar Cube	13	12	2020	2.0x2.0x2.0	264	4	6.1	3370	
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* 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

495

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

Engr. Ubaid

Humqadam SCRIP (M/s Astral Constructions)

Project: Humqadam School Construction and Rehabilitation Programme (GGPS Ghanakar)

Our Ref. No. CL/CED/ 1742 Dated: 21-01-21

Your Ref. No. IMC-LHR/SCRIP/2020/
MaterialTesting/LHR-1 Dated: 20-01-21

COMPRESSION TEST REPORT

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

Specimens received
on:

20-01-21

Tested on:

21-01-21 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	13	12	2020	2.0x2.0x2.0	264	4	9.1	5020	
2	Mortar Cube	13	12	2020	2.0x2.0x2.0	248	4	4.5	2480	
3	Mortar Cube	13	12	2020	2.0x2.0x2.0	268	4	10.5	5790	
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** BS3921 requires average of ten clay brick samples for crushing strength and water absorption

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

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

supervisor(lab)

Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory

Department of Civil Engineering

University of Engineering and Technology, Lahore

Phone Nos. 042-99029202, 042-99029217

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

Dr. Yousaf

Humqadam SCRП (M/s Astral Constructions)

Project: Humqadam School Construction and Rehabilitation Programme (GPS Burj Ram Singh)

Our Ref. No. CL/CED/ 1745 Dated: 21-01-21

Your Ref. No. IMC-LHR/SCRП/2020/
Material Testing/LHR-1 Dated: 20-01-21

COMPRESSION TEST REPORT

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

Specimens received
on:

20-01-21

Tested on:

21-01-21 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	13	12	2020	2.0x2.0x2.0	264	4	9.1	5020	
2	Mortar Cube	13	12	2020	2.0x2.0x2.0	248	4	4.5	2480	
3	Mortar Cube	13	12	2020	2.0x2.0x2.0	268	4	10.5	5790	
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supervisor(lab)

Director/Dy. Director Concrete Laboratory