



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

328

Dr. M. Yousaf

To: **Sub Divisional Officer**

Buildings Sub Division No. 15, Lahore

Project: Construction of New Administration Block in Premises of Lahore High Court Lahore

Our Ref. No. CL/CED/

1552

Dated:

05-01-21

Your Ref. No.

1319/15th

Dated:

24-12-20

COMPRESSION TEST REPORT

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

Specimens received on:

24-12-20

Tested on:

01-01-21

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	MD		8.8x4.3x3.1	3387	37.84	41	2430	
2	MD		8.9x4.3x3.0	3367	38.27	41	2400	
3	MD		8.8x4.3x3.1	3434	37.84	38	2250	
4	MD		8.9x4.3x3.0	3416	38.27	41	2400	
5	MD		8.8x4.3x3.1	3405	37.84	41	2430	
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departments/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



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328

Dr. M. Yousaf

To: **Sub Divisional Officer**

Buildings Sub Division No. 15, Lahore

Project: Construction of New Administration Block in Premises of Lahore High Court Lahore

Our Ref. No. CL/CED/

1553

Dated:

05-01-21

Your Ref. No.

1305/15th

Dated:

19-12-20

COMPRESSION TEST REPORT

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

Specimens received on:

24-12-20

Tested on:

01-01-21

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	2.S.5		8.7x4.2x2.9	3327	36.54	65	3990	
2	2.S.5		8.7x4.3x2.8	3345	37.41	41	2460	
3	2.S.5		8.7x4.2x2.8	3274	36.54	50	3070	
4	2.S.5		8.6x4.2x3.0	3284	36.12	50	3110	
5	2.S.5		8.7x4.3x2.9	3333	37.41	54	3240	
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328

Dr. M. Yousaf

To: **Sub Divisional Officer**

Buildings Sub Division No. 15, Lahore

Project: Construction of New Administration Block in Premises of Lahore High Court Lahore

Our Ref. No. CL/CED/

1554

Dated:

05-01-21

Your Ref. No.

1304/15th

Dated:

16-12-20

COMPRESSION TEST REPORT

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

Specimens received on:

24-12-20

Tested on:

01-01-21

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 5		8.8x4.2x2.8	3060	36.96	47	2850	
2	5 5		8.8x4.3x2.9	3124	37.84	43	2550	
3	5 5		8.9x4.3x2.9	3042	38.27	47	2760	
4	5 5		8.9x4.2x3.0	3263	36.96	23	1400	
5	5 5		8.8x4.3x2.8	3014	37.84	39	2310	
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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

328

To: **Sub Divisional Officer**

Dr. Mazhar Saleem

Buildings Sub Division No. 15, Lahore

Project: Construction of New Administration Block in Premises of Lahore High Court Lahore (Roof Slab in 9th Floor, Mumty)

Our Ref. No. CL/CED/ 1555 Dated: 05-01-21

Your Ref. No. 1302 Dated: 16-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 24-12-20 Tested on: 04-01-21 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
		Month	Day	Year						
1	(1 : 2 : 4)	18	11	2020	6x6x6	9	36	118	7350	Non Engraved
2	(1 : 2 : 4)	18	11	2020	6x6x6	9	36	114	7100	Non Engraved
3	(1 : 2 : 4)	18	11	2020	6x6x6	9	36	81	5040	Non Engraved
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Phone Nos. 042-99029202, 042-99029217

328

To: **Sub Divisional Officer**

Dr. Mazhar Saleem

Buildings Sub Division No. 15, Lahore

Project: Construction of New Administration Block in Premises of Lahore High Court Lahore (Columns for Lift 9th Floor)

Our Ref. No. CL/CED/ 1556 Dated: 05-01-21

Your Ref. No. 1300 Dated: 12-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 24-12-20 Tested on: 04-01-21 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	(1 : 1.5 : 3)	14	11	2020	6x6x6	9	36	88	5480	Non Engraved
2	(1 : 1.5 : 3)	14	11	2020	6x6x6	9	36	112	6970	Non Engraved
3	(1 : 1.5 : 3)	14	11	2020	6x6x6	9	36	88	5480	Non Engraved
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Phone Nos. 042-99029202, 042-99029217

328

To: **Sub Divisional Officer**

Dr. Mazhar Saleem

Buildings Sub Division No. 15, Lahore

Project: Construction of New Administration Block in Premises of Lahore High Court Lahore (Roof Slab in 8th Floor)

Our Ref. No. CL/CED/ 1557 Dated: 05-01-21

Your Ref. No. 1227 Dated: 14-11-20

COMPRESSION TEST REPORT

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

Specimens received on: 24-12-20 Tested on: 04-01-21 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	(1 : 2 : 4)	17	10	2020	6x6x6	9	36	142	8840	Non Engraved
2	(1 : 2 : 4)	17	10	2020	6x6x6	8.8	36	77	4800	Non Engraved
3	(1 : 2 : 4)	17	10	2020	6x6x6	9	36	108	6720	Non Engraved
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Director/Dy. Director Concrete Laboratory



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Department of Civil Engineering
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Phone Nos. 042-99029202, 042-99029217

280

To: **Asif Nadeem Khawar (Resident Engineer)**

Dr. Mazhar Saleem

Metroplan-Asian Consulting Engineers (Pvt.) Ltd.

Project: Resident Construction Supervision for Establishment of 200 Bedded Mother & Child Hospital and Nursing College, District Mianwali

Our Ref. No. CL/CED/

1558

Dated:

05-01-21

Your Ref. No.

MetroplanAsian
JV-Nexus-MMCH-RE-602

Dated:

02-12-20

COMPRESSION TEST REPORT

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

Specimens received on:

17-12-20

Tested on:

04-01-21

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	Hollow Block		15.5x7.8x7.8	21.2	65.94	88	2990	
2	Hollow Block		15.5x7.8x7.8	21.4	65.94	67	2280	
3	Hollow Block		15.5x7.8x7.8	21	65.94	81	2760	
4	Hollow Block		15.5x7.8x7.8	21	65.94	65	2210	
5	Hollow Block		15.5x7.8x7.8	21	65.94	83	2820	
6	Hollow Block		15.5x7.8x7.8	20.8	65.94	77	2620	
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Director/Dy. Director Concrete Laboratory



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Phone Nos. 042-99029202, 042-99029217

357

To: **Mr. Z.H. Kazmi (Principal Architect)**

Dr. Mazhar Saleem

Z.H. Kazmi & Associates, Liberty Market, Gulberg III, Lahore

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

Our Ref. No. CL/CED/ 1559 Dated: 05-01-21

Your Ref. No. Nil Dated: 31-12-20

COMPRESSION TEST REPORT

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

Specimens received on: 31-12-20 Tested on: 05-01-21 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	S		8.8x4.3x2.9	3180	37.84	48.1	2810	
2	S		8.8x4.2x3.0	3019	36.96	37.6	2250	
3	S		8.7x4.3x3.0	2968	37.41	47.6	2810	
4	S		8.8x4.2x2.9	3166	36.96	47	2810	
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Director/Dy. Director Concrete Laboratory



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Phone Nos. 042-99029202, 042-99029217

378

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

Dr. Mazhar Saleem

Project: Humqadam-School Construction and Rehabilitation Programme (GGHS Kot Khawaja Saeed)

Our Ref. No. CL/CED/ 1560 Dated: 05-01-21

Your Ref. No. IMC-LHR/SCRIP/2020/
Material Testing/LHR-1 Dated: 04-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 04-01-21 Tested on: 05-01-21 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	28	12	2020	2.0x2.0x2.0	302	4	6.4	3530	
2	Mortar Cube	28	12	2020	2.0x2.0x2.0	301	4	2.9	1600	
3	Mortar Cube	28	12	2020	2.0x2.0x2.0	293	4	8	4410	
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6

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Director/Dy. Director Concrete Laboratory



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Department of Civil Engineering
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Phone Nos. 042-99029202, 042-99029217

378
Dr. Mazhar
Saleem

To: Mr. Hassan Khan Sherwani (Provincial Construction Supervision Manager)
Humqadam SCRП (M/s Astral Constructions)
Project: Humqadam-School Construction and Rehabilitation Programme (GGPS Awan Dhai Wala)

Our Ref. No. CL/CED/ 1561 Dated: 05-01-21

Your Ref. No. IMC-LHR/SCRП/2020/
Material Testing/LHR-1 Dated: 04-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 04-01-21 Tested on: 05-01-21 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	28	12	2020	2.0x2.0x2.0	297	4	5.7	3150	
2	Mortar Cube	28	12	2020	2.0x2.0x2.0	303	4	5	2760	
3	Mortar Cube	28	12	2020	2.0x2.0x2.0	306	4	7.3	4030	
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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

378

Dr. Mazhar
Saleem

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

Humqadam SCRP (M/s Astral Constructions)

Project: Humqadam-School Construction and Rehabilitation Programme (GPS Ghania ka Cant-II)

Our Ref. No. CL/CED/ 1562 Dated: 05-01-21

Your Ref. No. IMC-LHR/SCRIP/2020
/MaterialTesting/LHR-1 Dated: 04-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 04-01-21 Tested on: 05-01-21 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	27	12	2020	2.0x2.0x2.0	236	4	3.1	1710	
2	Mortar Cube	27	12	2020	2.0x2.0x2.0	236	4	6.7	3700	
3	Mortar Cube	27	12	2020	2.0x2.0x2.0	229	4	2.7	1490	
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378
Dr. Mazhar
Saleem

To: Mr. Hassan Khan Sherwani (Provincial Construction Supervision Manager)
Humqadam SCRP (M/s Astral Constructions)
Project: Humqadam-School Construction and Rehabilitation Programme (GGHS Qadi Wind)

Our Ref. No. CL/CED/ 1563 Dated: 05-01-21

Your Ref. No. IMC-LHR/SCRP/2020/
Material Testing/LHR-1 Dated: 04-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 04-01-21 Tested on: 05-01-21 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	3	12	2020	2.0x2.0x2.0	302	4	6.5	3590	
2	Mortar Cube	3	12	2020	2.0x2.0x2.0	306	4	8	4410	
3	Mortar Cube	3	12	2020	2.0x2.0x2.0	294	4	7.3	4030	
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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