



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

10487

Dr. Mazhar Saleem

To: **Civil Engineer**

Bakhtawar Amin Memorial Trust Hospital, Multan

Project: Construction of New Ward at Bakhtawar Amin Memorial Trust Hospital

Our Ref. No. CL/CED/ 733 Dated: 01-09-20

Your Ref. No. Nil Dated: 26-08-20

COMPRESSION TEST REPORT

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

Specimens received on: 26-08-20 Tested on: 31-08-20 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	2nd Floor Column	18	7	2020	6Diax12	14	28.28	49	3890	Non Engraved
2	G-F Column	25	7	2020	6Diax12	13.4	28.28	29	2300	Non Engraved
3	1st Floor Slab	12	8	2020	6Diax12	13.4	28.28	61	4840	Non Engraved
4	G-F Ramp	28	7	2020	6Diax12	13	28.28	37	2940	Engraved
5	G-F Slab	30	7	2020	6Diax12	13.4	28.28	43	3410	Non Engraved
6	1st Floor Column	7	8	2020	6Diax12	13.8	28.28	55	4360	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" 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

10479

To: **Syed Yasir Ali (Resident Engineer)**

Dr. Mazhar Saleem

CM Div., NESPAK (Pvt.) Ltd. Lahore

Project: Establishment of U.E.T Lahore Sub Campus at Narowal, Construction of Student Service Centre and Senior Staff Residencies (Balance Work)

Our Ref. No. CL/CED/ 734 Dated: 01-09-20

Your Ref. No. 3863/13/SYA/Labtesting/74 Dated: 24-08-20

COMPRESSION TEST REPORT

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

Specimens received on: 26-08-20 Tested on: 31-08-20 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	Terrazo Tile (Grey)		5.8x5.9x1.2	1506	34.22	124	8120	
2	Terrazo Tile (Grey)		5.8x5.8x1.2	1487	33.64	114	7600	
3	Terrazo Tile (Red)		5.9x5.8x1.0	1215	34.22	102	6680	
4	Terrazo Tile (Red)		5.9x5.8x1.0	1245	34.22	124	8120	
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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

10439

To: **Engr. Faiz Alam Basra (Resident Engineer)**
Al-Imam Enterprises (Pvt.) Ltd.

Dr. Mazhar Saleem

Project: Establishment of Center of Excellence at Govt Boys High School No.1 (Peer Mahal, Toba Tek Singh)

Our Ref. No. CL/CED/ 735 Dated: 01-09-20

Your Ref. No. RE/UET/CEPM/07/20/35 Dated: 24-07-20

COMPRESSION TEST REPORT

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

Specimens received on: 19-08-20 Tested on: 31-08-20 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	2S4		8.9x4.4x3.1	3347	39.16	41	2350	
2	2S4		9.0x4.4x3.0	3356	39.6	39	2210	
3	ASF		8.9x4.5x3.0	3341	40.05	77	4310	
4	ASF		8.9x4.5x3.1	3318	40.05	43	2410	
5	S1		8.7x4.3x2.9	3112	37.41	73	4380	
6	S1		8.7x4.3x2.8	3212	37.41	51	3060	
7	S		8.8x4.4x3.0	3235	38.72	47	2720	
8	S		8.9x4.4x3.0	3276	39.16	65	3720	
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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

10464

Dr.Mazhar Saleem

To: Amir Azam (HR Manager)
Faisal Associates, Lahore Cantt.
Project: ECO

Our Ref. No. CL/CED/ 736 Dated: 01-09-20
Your Ref. No. Nil Dated: 24-08-20

COMPRESSION TEST REPORT

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

Specimens received on: 26-08-20 Tested on: 31-08-20 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	ECO1		8.9x4.5x3.0	4213	40.05	55	3080	Concrete Brick
2	ECO1		8.9x4.4x3.0	4252	39.16	53	3040	Concrete Brick
3	ECO1		8.9x4.4x3.0	4207	39.16	53	3040	Concrete Brick
4	ECO2		8.9x4.5x3.0	4236	40.05	57	3190	Concrete Brick
5	ECO2		8.9x4.5x3.0	4323	40.05	63	3530	Concrete Brick
6	ECO2		8.9x4.5x3.0	4195	40.05	69	3860	Concrete Brick
7	ECO3		8.9x4.5x3.0	3427	40.05	35	1960	Concrete Brick
8	ECO3		8.9x4.5x3.0	3508	40.05	37	2070	Concrete Brick
9	ECO3		8.9x4.4x3.0	3627	39.16	33	1890	Concrete Brick
10	ECO4		9.0x4.5x2.8	3521	40.05	37	2070	Concrete Brick
11	ECO4		8.9x4.5x2.8	3494	40.05	33	1850	Concrete Brick
12	ECO4		8.9x4.4x2.8	3337	39.16	33	1890	Concrete Brick
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16								

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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

10472

Dr. Aqsa

To: Assistant Executive Engineer

Pakistan Railway Headquarter Office, Lahore

Project: Replacement of Jack Arch Roofing in to RCC Slab at 2nd Floor Walton Block in Railway Headquarter Office, Lahore

Our Ref. No. CL/CED/

737

Dated:

01-09-20

Your Ref. No.

62-W/0/201/Lose

Dated:

24-08-20

COMPRESSION TEST REPORT

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

Specimens received on:

24-08-20

Tested on:

27-08-20

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	MF		8.8x4.3x2.9	3228	37.84	37	2190	
2	MF		8.7x4.3x3.0	3269	37.41	43	2580	
3	MF		8.7x4.3x2.9	3129	37.41	41	2460	
4	MF		8.8x4.3x3.0	3074	37.84	39	2310	
5	MF		8.8x4.2x2.9	3186	36.96	37	2250	
6	MF		8.7x4.2x2.9	3046	36.54	41	2520	
7	MF		8.8x4.3x3.0	3163	37.84	33	1960	
8	MF		8.8x4.2x3.0	3179	36.96	43	2610	
9	MF		8.7x4.3x2.9	3088	37.41			
10	MF		8.8x4.3x3.0	3186	37.84			
11	MF		8.8x4.2x2.9	3218	36.96			
12	MF		8.7x4.3x2.9	3062	37.84			
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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

10482

Dr.Mazhar Saleem

To: M. Ahsan
Faisalabad
Project: DHA Lahore

Our Ref. No. CL/CED/ 738 Dated: 01-09-20

Your Ref. No. Nil Dated: 26-08-20

COMPRESSION TEST REPORT

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

Specimens received on: 26-08-20 Tested on: 31-08-20 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	S3		8.8x4.3x3.0	3396	37.84	61	3620	
2	S3		8.7x4.3x3.0	3266	37.41	43	2580	
3	S3		8.8x4.2x3.0	3228	36.96	67	4070	
4	S3		8.8x4.3x3.0	3398	37.84	73	4330	
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Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

10482

Dr. Mazhar Saleem

To: M. Ahsan
Faisalabad
Project: DHA

Our Ref. No. CL/CED/ 739 Dated: 01-09-20

Your Ref. No. Nil Dated: 26-08-20

COMPRESSION TEST REPORT

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

Specimens received on: 26-08-20 Tested on: 31-08-20 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		8.7x4.3x3.0	3152	37.41	67	4020	
2	S		8.6x4.2x2.9	3210	36.12	47	2920	
3	S		8.7x4.2x3.0	3190	36.54	57	3500	
4	S		8.7x4.3x2.9	3208	37.41	63	3780	
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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

10485
Dr. Aqsa

To: Engr. Naveed Anjum (Project Manager)
Al-Taqwa Shopping Mall, Islamabad
Project: Roof Slab of 5th Floor

Our Ref. No. CL/CED/ 740 Dated: 01-09-20
Your Ref. No. AT/5/P/08 Dated: 26-08-20

COMPRESSION TEST REPORT

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

Specimens received on: 26-08-20 Tested on: 27-08-20 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
		Day	Month	Year						
1	3000 Psi	23	7	2020	6x6x6	8.4	36	41	2560	Non Engraved
2	3000 Psi	23	7	2020	6x6x6	8.4	36	56	3490	Non Engraved
3	3000 Psi	23	7	2020	6x6x6	8.4	36	38	2370	Non Engraved
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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

10495

Dr. Mazhar Saleem

To: **Sub Divisional Officer**

Buildings Sub Division No.15, Lahore

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

Our Ref. No. CL/CED/

741

Dated:

01-09-20

Your Ref. No.

826

Dated:

24-08-20

COMPRESSION TEST REPORT

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

Specimens received on:

28-08-20

Tested on:

31-08-20

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	Roof Slab of 4th Floor	27	7	2020	6x6x6	9	36	90	5600	Non Engraved
2	Roof Slab of 4th Floor	27	7	2020	6x6x6	9	36	124	7720	Non Engraved
3	Roof Slab of 4th Floor	27	7	2020	6x6x6	9	36	130	8090	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

10498

To: **Sub Divisional Officer**

Dr.Mazhar Saleem

Buildings Sub Division No.15, Lahore

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

Our Ref. No. CL/CED/ 742 Dated: 01-09-20

Your Ref. No. 356 Dated: 15-08-20

COMPRESSION TEST REPORT

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

Specimens received on: 28-08-20 Tested on: 31-08-20 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	Lift Well in 4th Floor	16	7	2020	6x6x6	9	36	88	5480	Non Engraved
2	Lift Well in 4th Floor	16	7	2020	6x6x6	9	36	90	5600	Non Engraved
3	Lift Well in 4th Floor	16	7	2020	6x6x6	9	36	94	5850	Non Engraved
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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

10498

To: **Sub Divisional Officer**

Dr.Mazhar Saleem

Buildings Sub Division No.15, Lahore

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

Our Ref. No. CL/CED/ 742 Dated: 01-09-20

Your Ref. No. 356 Dated: 15-08-20

COMPRESSION TEST REPORT

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

Specimens received on: 28-08-20 Tested on: 31-08-20 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	Lift Well in 4th Floor	16	7	2020	6x6x6	9	36	88	5480	Non Engraved
2	Lift Well in 4th Floor	16	7	2020	6x6x6	9	36	90	5600	Non Engraved
3	Lift Well in 4th Floor	16	7	2020	6x6x6	9	36	94	5850	Non Engraved
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Phone Nos. 042-99029202, 042-99029217

10498

To: **Sub Divisional Officer**

Dr.Mazhar Saleem

Buildings Sub Division No.15, Lahore

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

Our Ref. No. CL/CED/ 743 Dated: 01-09-20

Your Ref. No. 753 Dated: 10-08-20

COMPRESSION TEST REPORT

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

Specimens received on: 28-08-20 Tested on: 31-08-20 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
		Month	Day	Year						
1	Columns in 4th Floor	15	7	2020	6x6x6	9	36	81	5040	Non Engraved
2	Columns in 4th Floor	15	7	2020	6x6x6	8.8	36	90	5600	Non Engraved
3	Columns in 4th Floor	15	7	2020	6x6x6	9	36	90	5600	Non Engraved
4										
5										
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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" 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

10498

To: **Sub Divisional Officer**

Dr.Mazhar Saleem

Buildings Sub Division No.15, Lahore

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

Our Ref. No. CL/CED/

744

Dated:

01-09-20

Your Ref. No.

745

Dated:

06-08-20

COMPRESSION TEST REPORT

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

Specimens received on:

28-08-20

Tested on:

31-08-20

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	Roof Slab of 3rd Floor	10	7	2020	6x6x6	8.6	36	83	5170	Non Engraved
2	Roof Slab of 3rd Floor	10	7	2020	6x6x6	9	36	90	5600	Non Engraved
3	Roof Slab of 3rd Floor	10	7	2020	6x6x6	9	36	81	5040	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

10441

Dr. Aqsa

To: Syed Ahmad Raza (Assistant Project Director)

PMU-SBP, Gujranwala

Project: Development of Sport Ground in Fatuwal Babral District Narowal "GS # 377"

Our Ref. No. CL/CED/

745

Dated:

01-09-20

Your Ref. No.

Nil

Dated:

19-08-20

COMPRESSION TEST REPORT

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

Specimens received on:

19-08-20

Tested on:

01-09-20

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	M*H		8.4x4.2x2.5	2311	35.28	46	2930	
2	M*H		8.5x4.1x2.6	2474	34.85	37	2380	
3	M*H		8.3x4.1x2.5	2369	34.03	42	2770	
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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

10474
Dr. Aqsa

To: **M. Sohail Anjum (Project Manager)**
P-156 Gulberg II, Lahore
Project: Construction of P-156 Gulberg II, Lahore

Our Ref. No. CL/CED/ 746 Dated: 01-09-20
Your Ref. No. P-156-128 Dated: 24-08-20

COMPRESSION TEST REPORT

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

Specimens received on: 24-08-20 Tested on: 01-09-20 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	AZ		9.0x4.3x3.0	3118	38.7	43	2490	
2	AZ		8.9x4.3x2.9	3078	38.27	47	2760	
3	AZ		9.0x4.4x3.0	3129	39.6	36	2040	
4	AZ		8.9x4.3x2.9	3208	38.27			
5	AZ		9.0x4.3x3.0	3179	38.7			
6	AZ		8.9x4.2x2.9	3168	37.38			
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11								
12								
13								
14								
15								
16								

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supervisor(lab)

Director/Dy. Director Concrete Laboratory