



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

9967

Dr. M. Yousaf

To: **Khalid Bashir**
Ittefaq Building Solution Pvt. Ltd. Lahore
Project: Construction of Cafe' Sajawal at Rahim Yar Khan

Our Ref. No. CL/CED/ 9914 Dated: 25-02-20

Your Ref. No. IBS/CS/CB01 Dated: 18-02-20

COMPRESSION TEST REPORT

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

Specimens received on: 18-02-20 Tested on: 25-02-20 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	Rectangular Grey		7.8x3.9x3.0	3548	30.42	97	7030	
2	Rectangular Grey		7.8x3.9x3.0	3602	30.42	105	7610	
3	Rectangular Grey		7.8x3.9x3.0	3569	30.42	113	8190	
4	Rectangular Grey		7.8x3.9x3.0	3608	30.42	113	8190	
5	Rectangular Grey		7.8x3.9x2.2	2570	30.42	110	7970	
6	Rectangular Grey		7.8x3.9x2.2	2561	30.42	120	8700	
7	Rectangular Grey		7.8x3.9x2.2	2554	30.42	115	8340	
8	Rectangular Grey		7.8x3.9x2.2	2577	30.42	120	8700	
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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

9989

Dr. M. Yousaf

To: **Arfan UI Haq (Resident Engineer)**

H&TE Sec., Nespak (Pvt.) Ltd. Islamabad / (M/s Brightech Engineers)

Project: CPEC, Western Route Hakla (On M1)~Yarak (D.I.Khan) Motorway, Package-3 (Tarap to Kot Belian)

Our Ref. No. CL/CED/ 9915 Dated: 25-02-20

Your Ref. No. CPEC/Nespak/Pkg3/20/1396 Dated: 20-02-20

COMPRESSION TEST REPORT

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

Specimens received on: 21-02-20 Tested on: 25-02-20 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	RCC Post Concrete		6.0x5.8x5.8	8	34.8	47	2980	Cut Cube
2	RCC Post Concrete		6.0x5.7x5.8	7.8	34.2	49	3160	Cut Cube
3	RCC Post Concrete		5.9x5.8x5.7	7.4	34.22	55	3550	Cut Cube
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Plain and Reinforced Concrete Laboratory

Department of Civil Engineering

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Phone Nos. 042-99029202, 042-99029217

10004

Dr. M. Yousaf

To: **AN (Pvt.) Ltd.**
42/A Wapda Town, Northern Bypass Multan
Project: Nil

Our Ref. No. CL/CED/ 9916 Dated: 25-02-20

Your Ref. No. Nil Dated: 24-02-20

COMPRESSION TEST REPORT

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

Specimens received on: 24-02-20 Tested on: 25-02-20 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	Rectangular Grey		7.7x3.8x3.0	3604	29.26	86	6480	
2	Rectangular Grey		7.7x3.8x3.0	3742	29.26	56	4220	
3	Rectangular Grey		7.7x3.8x3.0	3671	29.26	71	5350	
4	Rectangular Grey		7.7x3.8x3.0	3688	29.26	78	5880	
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supervisor(lab)

Director/Dy. Director Concrete Laboratory



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

To: **Muhammad Farrukh Latif**
BPS (Pvt.) Ltd.
Project: Sadiqabad

9976
Dr. Aqsa

Our Ref. No. CL/CED/ 9917 Dated: 25-02-20
Your Ref. No. Nil Dated: 17-02-20

COMPRESSION TEST REPORT

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

Specimens received on: 20-02-20 Tested on: 25-02-20 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	(A-D/03) Footing Beam	2	1	2020	6Diax12	13.8	28.28	59	4600	Non Engraved
2	(A-D/01) Footing Beam	26	12	2019	6Diax12	13.8	28.28	55	4290	Non Engraved
3	(A-D/04) Column	21	1	2020	6Diax12	13.8	28.28	62	4840	Non Engraved
4	(A-C/1-2) F.F Column	22	1	2020	6Diax12	14	28.28	65	5070	Non Engraved
5	(A-D/0-2) G.Floor Column	6	1	2020	6Diax12	14	28.28	63	4910	Non Engraved
6	(C-D/1-3) Slab Beam	29	1	2020	6Diax12	14	28.28	41	3200	Non Engraved
7	(B-E/3-42) FF Column	4	2	2020	6Diax12	13.6	28.28	58	4520	Non Engraved
8	(A-B/4-6) Slab Beam	1	2	2020	6Diax12	14	28.28	48	3750	Non Engraved
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9996

Dr. Aqsa

To: Pak Construction System
Chowk Ganga Ram Hospital, Lahore
Project: Cotton Web ETP (Wall Pouring Phase 1 in Storage Tank Area & Clarifier)

Our Ref. No. CL/CED/ 9918 Dated: 25-02-20

Your Ref. No. Nil Dated: 24-02-20

COMPRESSION TEST REPORT

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

Specimens received on: 24-02-20 Tested on: 25-02-20 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	RCC (4000 Psi)	7	1	2020	6Diax12	13.6	28.28	58	4520	Non Engraved
2	RCC (4000 Psi)	7	1	2020	6Diax12	13.4	28.28	30	2340	Non Engraved
3	RCC (4000 Psi)	7	1	2020	6Diax12	13.8	28.28	58	4520	Non Engraved
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Director/Dy. Director Concrete Laboratory



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Phone Nos. 042-99029202, 042-99029217

9996

Dr. Aqsa

To: **Pak Construction System**

Chowk Ganga Ram Hospital, Lahore

Project: Cotton Web ETP (Wall Pouring Phase 2 in Storage Tank Area & Clarifier & Sludge Tank)

Our Ref. No. CL/CED/ 9919 Dated: 25-02-20

Your Ref. No. Nil Dated: 24-02-20

COMPRESSION TEST REPORT

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

Specimens received on: 24-02-20 Tested on: 25-02-20 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	RCC (4000 Psi)	17	1	2020	6Diax12	13.2	28.28	58	4520	Non Engraved
2	RCC (4000 Psi)	17	1	2020	6Diax12	13	28.28	61	4760	Non Engraved
3	RCC (4000 Psi)	17	1	2020	6Diax12	13.2	28.28	48	3750	Non Engraved
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Department of Civil Engineering

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Phone Nos. 042-99029202, 042-99029217

9987

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/

9920

Dated:

25-02-20

Your Ref. No.

P-156-083

Dated:

21-02-20

COMPRESSION TEST REPORT

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

Specimens received on: 21-02-20 Tested on: 25-02-20 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	267 (3000 Psi)	23	1	2020	6Diax12	15	28.28	47	3670	Non Engraved
2	268 (3000 Psi)	23	1	2020	6Diax12	14	28.28	43	3360	Non Engraved
3	269 (3000 Psi)	23	1	2020	6Diax12	14	28.28	58	4520	Non Engraved
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Director/Dy. Director Concrete Laboratory



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

9987
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/ 9921 Dated: 25-02-20
Your Ref. No. P-156-084 Dated: 21-02-20

COMPRESSION TEST REPORT

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

Specimens received on: 21-02-20 Tested on: 25-02-20 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	263 (4500 Psi)	23	1	2020	6Diax12	14	28.28	47	3670	Non Engraved
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Phone Nos. 042-99029202, 042-99029217

9995
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/ 9922 Dated: 25-02-20
Your Ref. No. P-156-086 Dated: 24-02-20

COMPRESSION TEST REPORT

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

Specimens received on: 24-02-20 Tested on: 25-02-20 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	350 (3000 Psi)	17	2	2020	6Diax12	13.6	28.28	22	1720	Non Engraved
2	351 (3000 Psi)	17	2	2020	6Diax12	14	28.28	22	1720	Non Engraved
3	352 (3000 Psi)	17	2	2020	6Diax12	14	28.28	21	1640	Non Engraved
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Phone Nos. 042-99029202, 042-99029217

10006
Dr. Aqsa

To: **M. Iqbal (Head of Operations)**
Elite Engineering (Pvt.) Ltd. Lahore
Project: Renala Khurd Filling Station

Our Ref. No. CL/CED/ 9923 Dated: 25-02-20
Your Ref. No. Nil Dated: 24-02-20

COMPRESSION TEST REPORT

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

Specimens received on: 25-02-20 Tested on: 25-02-20 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	Rectangular Grey		7.9x3.9x3.0	3670	30.81	54	3870	
2	Rectangular Grey		7.9x3.9x3.0	3673	30.81	53	3800	
3	Rectangular Grey		7.9x3.9x3.0	3666	30.81	53	3800	
4	Rectangular Grey		7.9x3.9x3.0	3685	30.81	88	6300	
5	Rectangular Grey		7.9x3.9x3.0	3677	30.81	39	2790	
6	Rectangular Grey		7.9x3.9x3.0	3669	30.81	52	3720	
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Department of Civil Engineering
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Phone Nos. 042-99029202, 042-99029217

9932
Dr. Aqsa

To: Director Engineering
Lahore Ring Road Authority
Project: Rehabilitation / Improvement of Sunder-Raiwind Road

Our Ref. No. CL/CED/ 9924 Dated: 25-02-20

Your Ref. No. LRR/S-R/Eng/44516 Dated: 03-02-20

COMPRESSION TEST REPORT

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

Specimens received on: 11-02-20 Tested on: 25-02-20 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		8.9x4.4x2.9	3111	39.16	27	1520	Used Brick
2	S		8.9x4.4x3.0	3060	39.16	30	1690	Used Brick
3	S		8.8x4.4x3.1	3044	38.72	42	2400	Used Brick
4	2 5		9.0x4.5x3.1	3352	40.5	43	2340	Used Brick
5	2 5		9.0x4.5x3.0	3435	40.5	29	1580	Used Brick
6	2 5		9.0x4.5x3.1	3375	40.5	43	2340	Used Brick
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9932
Dr. Aqsa

To: Director Engineering
Lahore Ring Road Authority
Project: Rehabilitation / Improvement of Manga-Raiwind Road

Our Ref. No. CL/CED/ 9925 Dated: 25-02-20

Your Ref. No. LRRM/R/Eng/44517 Dated: 03-02-20

COMPRESSION TEST REPORT

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

Specimens received on: 11-02-20 Tested on: 25-02-20 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		8.9x4.4x2.9	3062	39.16	24	1360	Used Brick
2	S		8.8x4.4x3.1	3131	38.72	34	1940	Used Brick
3	S		8.9x4.5x3.0	3041	40.05	36	1990	Used Brick
4	2 5		9.0x4.4x3.1	3364	39.6	43	2400	Used Brick
5	2 5		9.0x4.5x3.1	3440	40.5	47	2560	Used Brick
6	2 5		9.0x4.5x3.1	3464	40.5	41	2240	Used Brick
7								
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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



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

9963
Dr. Aqsa

To: Melioristic Engineering Services (Pvt.) Ltd.
341-MB Commercial, Phase 6 DHA, Lahore
Project: Construction of a Firm

Our Ref. No. CL/CED/ 9926 Dated: 25-02-20
Your Ref. No. Nil Dated: 17-02-20

COMPRESSION TEST REPORT

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

Specimens received on: 17-02-20 Tested on: 25-02-20 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	Fly Ash				9.2x4.6x2.9	3262	42.32	46	2400	
2	Fly Ash				9.2x4.6x2.9	3247	42.32	45	2350	
3	Fly Ash				9.2x4.6x2.9	3231	42.32	41	2140	
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Note: Above results pertain to the unsealed samples supplied to the laboratory

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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

9985
Dr. Aqsa

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/ 9927 Dated: 25-02-20

Your Ref. No. 190 Dated: 17-02-20

COMPRESSION TEST REPORT

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

Specimens received on: 20-02-20 Tested on: 25-02-20 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	Retaining Wall in Basement Floor	20	1	2020	6x6x6	8.8	36	60	3680	Non Engraved
2	Retaining Wall in Basement Floor	20	1	2020	6x6x6	8.8	36	45	2760	Non Engraved
3	Retaining Wall in Basement Floor	20	1	2020	6x6x6	9	36	50	3070	Non Engraved
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**** 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

9985

Dr. Aqsa

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/ 9928 Dated: 25-02-20

Your Ref. No. 187 Dated: 17-02-20

COMPRESSION TEST REPORT

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

Specimens received on: 20-02-20 Tested on: 25-02-20 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	Basement Floor Columns	20	1	2020	6x6x6	9	36	50	3070	Non Engraved
2	Basement Floor Columns	20	1	2020	6x6x6	9	36	52	3190	Non Engraved
3	Basement Floor Columns	20	1	2020	6x6x6	9	36	37	2270	Non Engraved
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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

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