



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

1172

Dr. M. Yousaf

To: Mr. Malik Faisal Hussain (Material Engineer)
M/s Tetra Engineering (Pvt.) Ltd. Lahore.
Project: Imperium Hospitality (Pvt.) Ltd. 1HPL Lahore.

Our Ref. No. CL/CED/ 2981 Dated: 03-05-21

Your Ref. No. TRM/LAB/00038-201 Dated: 30-04-21

COMPRESSION TEST REPORT

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

Specimens received on: 30-04-21 Tested on: 30-04-21 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	(8000) Psi	10	3	2021	6Diax12	14	28.28	132	10460	Non Engraved
2	(8000) Psi	10	3	2021	6Diax12	13.8	28.28	129	10220	Non Engraved
3	(8000) Psi	10	3	2021	6Diax12	14.2	28.28	112	8880	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" 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

1172

To: Mr. Malik Faisal Hussain (Material Engineer)
M/s Tetra Engineering (Pvt.) Ltd. Lahore.
Project: Imperium Hospitality (Pvt.) Ltd. 1HPL Lahore.

Dr. M. Yousaf

Our Ref. No. CL/CED/ 2982 Dated: 03-05-21

Your Ref. No. TRM/LAB/00037-201 Dated: 30-04-21

COMPRESSION TEST REPORT

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

Specimens received on: 30-04-21 Tested on: 30-04-21 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
		1	2	3						
1	(4000) Psi	10	3	2021	6Diax12	13	28.28	48	3810	Non Engraved
2	(4000) Psi	10	3	2021	6Diax12	13	28.28	45	3570	Non Engraved
3	(4000) Psi	10	3	2021	6Diax12	13.6	28.28	63	4990	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

1172

To: **Mr. Malik Faisal Hussain (Material Engineer)**
M/s Tetra Engineering (Pvt.) Ltd. Lahore.
Project: Imperium Hospitality (Pvt.) Ltd. 1HPL Lahore.

Dr. M. Yousaf

Our Ref. No. CL/CED/ 2983 Dated: 03-05-21

Your Ref. No. TRM/LAB/00036-201 Dated: 30-04-21

COMPRESSION TEST REPORT

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

Specimens received on: 30-04-21 Tested on: 30-04-21 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	(4000) Psi	7	3	2021	6Diax12	13	28.28	63	4990	Non Engraved
2	(4000) Psi	7	3	2021	6Diax12	13.2	28.28	61	4840	Non Engraved
3	(4000) Psi	7	3	2021	6Diax12	13	28.28	60	4760	Non Engraved
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1172

Dr. M. Yousaf

To: Mr. Malik Faisal Hussain (Material Engineer)
M/s Tetra Engineering (Pvt.) Ltd. Lahore.
Project: Imperium Hospitality (Pvt.) Ltd. 1HPL Lahore.

Our Ref. No. CL/CED/ 2984 Dated: 03-05-21

Your Ref. No. TRM/LAB/00039-201 Dated: 30-04-21

COMPRESSION TEST REPORT

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

Specimens received on: 30-04-21 Tested on: 30-04-21 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	(8000) Psi	16	3	2021	6Diax12	14	28.28	120	9510	Non Engraved
2	(8000) Psi	16	3	2021	6Diax12	13	28.28	104	8240	Non Engraved
3	(8000) Psi	16	3	2021	6Diax12	13.6	28.28	96	7610	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

1162

Dr. M. Yousaf

To: Mr. M. Shahbaz
M/s Imperium Hospitality (Pvt.) Ltd. Lahore.
Project: Nil

Our Ref. No. CL/CED/ 2985 Dated: 03-05-21

Your Ref. No. IHPL / Con/221 Dated: 29-04-21

COMPRESSION TEST REPORT

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

Specimens received on: 29-04-21 Tested on: 30-04-21 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 (4000) Psi	1	4	2021	6Diax12	13.4	28.28	53	4200	Non Engraved
2	4 (4000) Psi	1	4	2021	6Diax12	13.6	28.28	57	4520	Non Engraved
3	2 (4000) Psi	1	4	2021	6Diax12	14	28.28	41	3250	Non Engraved
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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

1162

To: Mr. M. Shahbaz
M/s Imperium Hospitality (Pvt.) Ltd. Lahore.
Project: Nil

Dr. M. Yousaf

Our Ref. No. CL/CED/ 2986 Dated: 03-05-21

Your Ref. No. IHPL / Con/220 Dated: 29-04-21

COMPRESSION TEST REPORT

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

Specimens received on: 29-04-21 Tested on: 30-04-21 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	2 (4000) Psi	29	3	2021	6Diax12	13.4	28.28	50	3960	Non Engraved
2	4 (4000) Psi	29	3	2021	6Diax12	14	28.28	54	4280	Non Engraved
3	5 (4000) Psi	29	3	2021	6Diax12	13.8	28.28	53	4200	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

1162

To: Mr. M. Shahbaz
M/s Imperium Hospitality (Pvt.) Ltd. Lahore.
Project: Nil

Dr. M. Yousaf

Our Ref. No. CL/CED/ 2987 Dated: 03-05-21

Your Ref. No. IHPL / Con/219 Dated: 29-04-21

COMPRESSION TEST REPORT

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

Specimens received on: 29-04-21 Tested on: 30-04-21 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	2 (4000) Psi	28	3	2021	6Diax12	13.2	28.28	43	3410	Non Engraved
2	8 (4000) Psi	28	3	2021	6Diax12	14	28.28	45	3570	Non Engraved
3	9 (4000) Psi	28	3	2021	6Diax12	13.6	28.28	48	3810	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

1158

To: Engr. Tajammal Farooq (Resident Engineer)

Dr. M. Yousaf

M/s AZ Engineering Associates (Pvt.) Ltd. Mianwali (M/s Sheikh Abdul Razzaq & Co.)

Project: Dualization of Sargodha Mianwali Road (Phase-1) Group-III, From Km 284.44 to 285.42 (Bridge & Approches) in District Mianwali.

Our Ref. No. CL/CED/ 2988 Dated: 03-05-21

Your Ref. No. RE/MWI-214 Dated: 12-04-21

COMPRESSION TEST REPORT

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

Specimens received on: 29-04-21 Tested on: 30-04-21 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	Deck Slab Span No. 06 R/S	14	3	2021	6x6x6	8.6	36	94	5850	Non Engraved
2	Deck Slab Span No. 06 R/S	14	3	2021	6x6x6	9	36	100	6230	Non Engraved
3	Deck Slab Span No. 06 R/S	14	3	2021	6x6x6	8.4	36	114	7100	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

1158

To: Engr. Tajammal Farooq (Resident Engineer)

Dr. M. Yousaf

M/s AZ Engineering Associates (Pvt.) Ltd. Mianwali (M/s Sheikh Abdul Razzaq & Co.)

Project: Dualization of Sargodha Mianwali Road (Phase-1) Group-III, From Km 284.44 to 285.42 (Bridge & Approches) in District Mianwali.

Our Ref. No. CL/CED/ 2989 Dated: 03-05-21

Your Ref. No. RE/MWI-193 Dated: 15-03-21

COMPRESSION TEST REPORT

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

Specimens received on: 29-04-21 Tested on: 30-04-21 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	Beam # 69 & 70	16	2	2021	6x6x6	8.8	36	116	7220	Non Engraved
2	Beam # 69 & 70	16	2	2021	6x6x6	8.2	36	79	4920	Non Engraved
3	Beam # 69 & 70	16	2	2021	6x6x6	9	36	124	7720	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

1130

Dr. Umbreen

To: Mr. Ahmad Umar Farooq Malik (Planning & Coordination Engineer)
M/s Ittefaq Building Solutions (Pvt.) Ltd. Lahore.
Project: Ittehad Chemicals Waste Treatment Plant

Our Ref. No. CL/CED/ 2990 Dated: 03-05-21

Your Ref. No. IBS/ICL/WWTP/010 Dated: 26-04-21

COMPRESSION TEST REPORT

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

Specimens received on: 26-04-21 Tested on: 27-04-21 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	Rectangular Grey		7.8x3.8x2.3	2621	29.64	94	7110	
2	Rectangular Grey		7.8x3.8x2.3	2677	29.64	98	7410	
3	Rectangular Grey		7.8x3.8x2.3	2642	29.64	114	8620	
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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

1130

To: Mr. Ahmad Umar Farooq Malik (Planning & Coordination Engineer)
M/s Ittefaq Building Solutions (Pvt.) Ltd. Lahore.
Project: Ittehad Chemicals Waste Treatment Plant

Dr.M. yousaf

Our Ref. No. CL/CED/ 2991 Dated: 03-05-21

Your Ref. No. IBS/ICL/WWTP/001 Dated: 26-04-21

COMPRESSION TEST REPORT

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

Specimens received on: 26-04-21 Tested on: 30-04-21 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	Collection Tank Footing	10	9	2020	6Diax12	13.4	28.28	73	5790	Non Engraved
2	Collection Tank Footing	10	9	2020	6Diax12	13.4	28.28	69	5470	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

1130

To: **Mr. Ahmad Umar Farooq Malik (Planning & Coordination Engineer)**
M/s Ittefaq Building Solutions (Pvt.) Ltd. Lahore.
Project: Ittehad Chemicals Waste Treatment Plant

Dr. M. Yousaf

Our Ref. No. CL/CED/ 2992 Dated: 03-05-21
Your Ref. No. IBS/ICL/WWTP/002 Dated: 26-04-21

COMPRESSION TEST REPORT

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

Specimens received on: 26-04-21 Tested on: 30-04-21 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	Supernatant Tank Footing	17	9	2020	6Diax12	13.4	28.28	55	4360	Non Engraved
2	Supernatant Tank Footing	17	9	2020	6Diax12	14	28.28	78	6180	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

1130

To: Mr. Ahmad Umar Farooq Malik (Planning & Coordination Engineer)
M/s Ittefaq Building Solutions (Pvt.) Ltd. Lahore.
Project: Ittehad Chemicals Waste Treatment Plant

Dr. M. Youisaf3

Our Ref. No. CL/CED/ 2993 Dated: 03-05-21

Your Ref. No. IBS/ICL/WWTP/003 Dated: 26-04-21

COMPRESSION TEST REPORT

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

Specimens received on: 26-04-21 Tested on: 30-04-21 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	Arration Tank Wall	26	9	2020	6Diax12	13.8	28.28	80	6340	Non Engraved
2	Arration Tank Wall	26	9	2020	6Diax12	13.8	28.28	77	6100	Non Engraved
3										
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departement?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

1130

To: Mr. Ahmad Umar Farooq Malik (Planning & Coordination Engineer)
M/s Ittefaq Building Solutions (Pvt.) Ltd. Lahore.
Project: Ittehad Chemicals Waste Treatment Plant

Dr. M. Yousaf

Our Ref. No. CL/CED/ 2994 Dated: 03-05-21

Your Ref. No. IBS/ICL/WWTP/004 Dated: 26-04-21

COMPRESSION TEST REPORT

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

Specimens received on: 26-04-21 Tested on: 30-04-21 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
		9	10	2020						
1	Chemical Storage Room Slab	9	10	2020	6Diax12	13.4	28.28	65	5150	Non Engraved
2	Chemical Storage Room Slab	9	10	2020	6Diax12	13.6	28.28	68	5390	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

1130

To: Mr. Ahmad Umar Farooq Malik (Planning & Coordination Engineer)
M/s Ittefaq Building Solutions (Pvt.) Ltd. Lahore.
Project: Ittehad Chemicals Waste Treatment Plant

Dr. M. Yousaf

Our Ref. No. CL/CED/ 2995 Dated: 03-05-21

Your Ref. No. IBS/ICL/WWTP/005 Dated: 26-04-21

COMPRESSION TEST REPORT

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

Specimens received on: 26-04-21 Tested on: 30-04-21 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	Sec. Clarifier Wall	25	10	2020	6Diax12	13.6	28.28	75	5950	Non Engraved
2	Sec. Clarifier Wall	25	10	2020	6Diax12	14	28.28	65	5150	Non Engraved
3										
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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



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

1130

To: Mr. Ahmad Umar Farooq Malik (Planning & Coordination Engineer)
M/s Ittefaq Building Solutions (Pvt.) Ltd. Lahore.
Project: Ittehad Chemicals Waste Treatment Plant

Dr. M. Yousaf

Our Ref. No. CL/CED/ 2996 Dated: 03-05-21

Your Ref. No. IBS/ICL/WWTP/006 Dated: 26-04-21

COMPRESSION TEST REPORT

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

Specimens received on: 26-04-21 Tested on: 30-04-21 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	Primary Clarifier Wall	11	12	2020	6Diax12	13	28.28	60	4760	Non Engraved
2	Primary Clarifier Wall	11	12	2020	6Diax12	14	28.28	55	4360	Non Engraved
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departments/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



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

1130

To: Mr. Ahmad Umar Farooq Malik (Planning & Coordination Engineer)
M/s Ittefaq Building Solutions (Pvt.) Ltd. Lahore.
Project: Ittehad Chemicals Waste Treatment Plant

Dr. M. Yousaf

Our Ref. No. CL/CED/ 2997 Dated: 03-05-21

Your Ref. No. IBS/ICL/WWTP/007 Dated: 26-04-21

COMPRESSION TEST REPORT

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

Specimens received on: 26-04-21 Tested on: 30-04-21 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	Sludge Tank Footing	11	1	2021	6Diax12	14	28.28	65	5150	Non Engraved
2	Sludge Tank Footing	11	1	2021	6Diax12	13.6	28.28	53	4200	Non Engraved
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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

1130

To: Mr. Ahmad Umar Farooq Malik (Planning & Coordination Engineer)
M/s Ittefaq Building Solutions (Pvt.) Ltd. Lahore.
Project: Ittehad Chemicals Waste Treatment Plant

Dr. M. Yousaf

Our Ref. No. CL/CED/ 2998 Dated: 03-05-21

Your Ref. No. IBS/ICL/WWTP/008 Dated: 26-04-21

COMPRESSION TEST REPORT

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

Specimens received on: 26-04-21 Tested on: 30-04-21 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	Blower Room Col.	7	2	2021	6Diax12	13.2	28.28	75	5950	Non Engraved
2	Blower Room Col.	7	2	2021	6Diax12	13.4	28.28	85	6740	Non Engraved
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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.

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

1130

To: Mr. Ahmad Umar Farooq Malik (Planning & Coordination Engineer)
M/s Ittefaq Building Solutions (Pvt.) Ltd. Lahore.
Project: Ittehad Chemicals Waste Treatment Plant

Dr. M. Yousaf

Our Ref. No. CL/CED/ 2999 Dated: 03-05-21

Your Ref. No. IBS/ICL/WWTP/009 Dated: 26-04-21

COMPRESSION TEST REPORT

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

Specimens received on: 26-04-21 Tested on: 30-04-21 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	Flash Mixer Wall	10	2	2021	6Diax12	13.2	28.28	62	4920	Non Engraved
2	Flash Mixer Wall	10	2	2021	6Diax12	13.4	28.28	44	3490	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

1131

Dr. Umbreen

To: Project Manager
M/s Q-Links Property Managements (Pvt.) Ltd. Lahore.
Project: Construction of Orchard Mall, Bahria Orchard, Lahore.

Our Ref. No. CL/CED/ 3000 Dated: 03-05-21

Your Ref. No. QLC-BO-BH2-2021-029 Dated: 26-04-21

COMPRESSION TEST REPORT

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

Specimens received on: 26-04-21 Tested on: 27-04-21 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	Ground Floor Slab (3000) Psi	30	3	2021	6Diax12	13.8	28.28	40	3170	Non Engraved
2	Ground Floor Slab (3000) Psi	30	3	2021	6Diax12	13.6	28.28	38	3010	Non Engraved
3	Ground Floor Slab (3000) Psi	30	3	2021	6Diax12	13.2	28.28	43	3410	Non Engraved
4	1st Floor Column(5000) Psi	19	4	2021	6Diax12	13.6	28.28	67	5310	Non Engraved
5	1st Floor Column(5000) Psi	19	4	2021	6Diax12	13.4	28.28	65	5150	Non Engraved
6	1st Floor Column(5000) Psi	19	4	2021	6Diax12	13.4	28.28	68	5390	Non Engraved
7										
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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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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

1131
Dr. Umbreen

To: Project Manager
M/s Q-Links Property Managements (Pvt.) Ltd. Lahore.
Project: Construction of Orchard Mall, Bahria Orchard, Lahore.

Our Ref. No. CL/CED/ 3000 Dated: 03-05-21
Your Ref. No. QLC-BO-BH2-2021-030 Dated: 26-04-21

COMPRESSION TEST REPORT

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

Specimens received on: 26-04-21 Tested on: 27-04-21 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	Raft Foundation (3000) Psi	27	3	2021	6Diax12	13.8	28.28	40	3170	Non Engraved
2	Raft Foundation (3000) Psi	27	3	2021	6Diax12	13.6	28.28	45	3570	Non Engraved
3	Raft Foundation (3000) Psi	27	3	2021	6Diax12	13.2	28.28	43	3410	Non Engraved
4	Raft Foundation (3000) Psi	27	3	2021	6Diax12	13.6	28.28	41	3250	Non Engraved
5	Raft Foundation (3000) Psi	27	3	2021	6Diax12	13.4	28.28	44	3490	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

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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

1150

To: Syed Tasawur Hussain Naqvi (Assistant Executive Engineer-III)

Dr. Mazhar Saleem

CCD, Pak. PWD. Gujranwala

Project: Enhancement & Expansion of Building Infrastructure of NHMP Training College Sheikhpura, Phase-I (SH: Admin Block), (Columns in Foundations)

Our Ref. No. CL/CED/ 3002 Dated: 03-05-21

Your Ref. No. AEE-II/CCD/GA/Work /NHMP/Admn/P-I/Lab/05 Dated: 25-01-21

COMPRESSION TEST REPORT

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

Specimens received on: 28-04-21 Tested on: 29-04-21 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		27	12	2021	6x6x6	9	36	94	5850	Non Engraved
2		27	12	2021	6x6x6	9	36	53	3300	Non Engraved
3		28	12	2021	6x6x6	9	36	77	4800	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

1150

To: Syed Tasawur Hussain Naqvi (Assistant Executive Engineer-III)

Dr. Mazhar Saleem

CCD, Pak. PWD. Gujranwala

Project: Enhancement & Expansion of Building Infrastructure of NHMP Training College Sheikhpura, Phase-I (SH: Admin Block), (Ground Floor Columns)

Our Ref. No. CL/CED/ 3003 Dated: 03-05-21

Your Ref. No. AEE-II/CCD/GA/Work/
NHMP/Admn/P-I/Lab/07 Dated: 09-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 28-04-21 Tested on: 29-04-21 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		12	1	2021	6x6x6	8.8	36	61	3800	Non Engraved
2		12	1	2021	6x6x6	10	36	114	7100	Non Engraved
3		14	1	2021	6x6x6	9	36	83	5170	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)

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supervisor(lab)

Director/Dy. Director Concrete Laboratory