



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

8902
Engr. Ubaid
Ahmed

To: Sadaqat Ahmad (Resident Engineer)
CM Div., NESPAK (Pvt.) Ltd., Lahore (M/s National Logistics Cell)
Project: (Package-1B) Infrastructure Works of DHA Housing Scheme Gujranwala

Our Ref. No. CL/CED/ 8674 Dated: 02-08-19

Your Ref. No. 4055/13/SA/07/120 Dated: 09-07-19

COMPRESSION TEST REPORT

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

Specimens received on: 11-07-19 Tested on: 01-08-19 in dry/wet condition

Sr. No.	Mark*	Casting Date*			Size	Weight	Area of	Ultimate	Ultimate	Remarks
		/Wet Weight			(in)	(lbs./gms)	X-Section	load	Stress	
		(gms)					(Sq. in)	(Tons/lbs)	(Psi)	
1	Machine Made H			3075	8.6x4.3x2.8	2703	36.98	49	2970	12.09
2	Machine Made H			3110	8.6x4.3x2.9	2762	36.98	47	2850	11.18
3	Machine Made H			3117	8.6x4.3x2.9	2767	36.98	55	3340	11.22
4	Machine Made H			3113	8.6x4.2x2.9	2683	36.12	43	2670	13.81
5	Machine Made H			3153	8.6x4.3x2.8	2789	36.98	33	2000	11.54
6	Machine Made H			3119	8.5x4.3x2.9	2707	36.55	46	2820	13.2
7	Machine Made H			3085	8.6x4.2x2.9	2700	36.12	46	2860	12.47
8	Machine Made H			3061	8.6x4.1x2.9	2718	35.26	52	3310	11.2
9	Machine Made H			3078	8.6x4.2x2.9	2710	36.12	33	2050	11.95
10	Machine Made H			3105	8.5x4.1x3.0	2695	34.85	45	2900	13.17
11	Machine Made H			3190	8.5x4.2x2.8	2780	35.7	30	1890	12.85
12	Machine Made H			3198	8.6x4.3x2.9	2817	36.98	45	2730	11.91
End	---	---	---	---	---	---	---	---	---	---
14										
15										
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

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

9030

Dr. M. Yousaf

To: **Aamir Shehzad Mughal (Site Engineer)**

BKRY Lahore

Project: Constt. of the BKRY 30-KM Ferozpur Road Lahore (G.F. Slab & Beams Block "C" Grid QR-V/3-8)

Our Ref. No. CL/CED/

8675

Dated:

02-08-19

Your Ref. No.

TBL/19/016

Dated:

01-08-19

COMPRESSION TEST REPORT

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

Specimens received on:

01-08-19

Tested on:

01-08-19

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	Slab & Beams	4	7	2019	6Diax12	14	28.28	47.6	3710	Non Engraved
2	Slab & Beams	4	7	2019	6Diax12	14	28.28	35	2730	Non Engraved
3	Slab & Beams	4	7	2019	6Diax12	14	28.28	45.2	3530	Non Engraved
End	---	---	---	---	---	---	---	---	---	---
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departament?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

8998

To: **Aamir Shehzad Mughal (Site Engineer)**
BKRY Lahore

Engr.Ubaid Ahmed

Project: Constt. of the BKRY 30-KM Ferozpur Road Lahore (Slab & Beams Block "C" Grid M-QR / 4-8)

Our Ref. No. CL/CED/ 8676 Dated: 02-08-19

Your Ref. No. TBL/19/015 Dated: 28-07-19

COMPRESSION TEST REPORT

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

Specimens received on: 29-07-19 Tested on: 30-07-19 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	Slab & Beams	21	7	2019	6Diax12	13.8	28.28	31	2460	Non Engraved
2	Slab & Beams	21	7	2019	6Diax12	14.2	28.28	33	2620	Non Engraved
3	Slab & Beams	21	7	2019	6Diax12	14	28.28	29	2300	Non Engraved
End	---	---	---	---	---	---	---	---	---	---
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departament?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

8972

To: Engr. Tauqeer Iqbal (Divisional Engineer E.S Civil)
CAA, Faisalabad International Airport, (M/S Zafar & Co.)
Project: Construction of Staff Mess at Faisalabad Airport

Engr. Ubaid Ahmed

Our Ref. No. CL/CED/ 8677 Dated: 02-08-19

Your Ref. No. FIAP/1443-15/10-Vol-1/FACV Dated: 18-07-19

COMPRESSION TEST REPORT

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

Specimens received on: 23-07-19 Tested on: 01-08-19 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	Uni-block Grey				3.1 Thick	4396	37.25	55	3310	
2	Uni-block Grey				3.1 Thick	4566	37.25	95	5720	
3	Uni-block Grey				3.1 Thick	4496	37.25	57	3430	
End	---	---	---	---	---	---	---	---	---	---
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

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

8961

To: **Furqan Ali Malik (Chief Resident Engineer, Package-1)**

Engr. Ubaid Ahmed

CM Div., NESPAK (Pvt.) Ltd. Lahore (M/s Nadeem & Sons Construction Work)

**Project: Construction & Rehab. of at Grade Works Along Lahore Orange Line Metro Train Corridor
Package-1 (Section-I) Pakistan Mint to Shalimar Chowk (Right Side)**

Our Ref. No. CL/CED/ 8678 Dated: 02-08-19

Your Ref. No. 4042/13/FAM/Kerb-Stone-064 Dated: 17-07-19

COMPRESSION TEST REPORT

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

Specimens received on: 22-07-19 Tested on: 01-08-19 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	Kerb Stone		5.9x5.9x6	7.6	34.81	79	5090	Cut Cube
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
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

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

8961

To: **Furqan Ali Malik (Chief Resident Engineer, Package-1)**

Engr. Ubaid Ahmed

CM Div., NESPAK (Pvt.) Ltd. Lahore (M/s Nadeem & Sons Construction Work)

**Project: Construction & Rehab. of at Grade Works Along Lahore Orange Line Metro Train Corridor
Package-1 (Section-I) Pakistan Mint to Shalimar Chowk (Right Side)**

Our Ref. No. CL/CED/ 8679 Dated: 02-08-19

Your Ref. No. 4042/13/FAM/Tough-Paver-065 Dated: 17-07-19

COMPRESSION TEST REPORT

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

Specimens received on: 22-07-19 Tested on: 01-08-19 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		7.8x3.8x2.8	3768	29.64	118	8920	
2	Rectangular Grey		7.8x3.8x2.8	3740	29.64	116	8770	
3	Rectangular Red		7.8x3.8x2.8	3639	29.64	112	8470	
4	Rectangular Grey		7.8x3.8x2.3	2850	29.64	128	9680	
5	Rectangular Grey		7.8x3.8x2.3	2876	29.64	124	9380	
6	Rectangular Red		7.8x3.8x2.3	2726	29.64	144	10890	
7								
8								
9								
10								
11								
12								
13								
14								
15								
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

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