



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

9287
Engr. A.
Rehman

To: Furqan Ali Malik (Chief Resident Engineer, Package-1)
CM Div., NESPAK (Pvt.) Ltd. Lahore, (M/s M. Aslam & Co.)
Project: Construction & Rehabilitation of at Grade Works Along Lahore Orange Line Metro Train Corridor
Package-1 (Section-I) From Daroghawala Chowk to Pakistan Mint (Right Side)

Our Ref. No. CL/CED/ 9038 Dated: 14-10-19

Your Ref. No. 4042/13/FAM/Tough-Paver-118 Dated: 04-10-19

COMPRESSION TEST REPORT

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

Specimens received on: 04-10-19 Tested on: 10-10-19 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		7.8x3.9x3.1	3793	30.42	93	6850	
2	Rectangular Grey		7.8x3.9x3.1	3677	30.42	57	4200	
3	Rectangular Red		7.8x3.9x3.1	3751	30.42	122	8990	
4	Rectangular Grey		7.8x3.9x2.3	2694	30.42	100	7370	
5	Rectangular Grey		7.8x3.9x2.3	2737	30.42	92	6780	
6	Rectangular Red		7.8x3.9x2.3	2765	30.42	88	6480	
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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



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9289

Engr. Aamina

To: Syed Najeeb Akram (Sr. Marketing Manager)
Concrete Concepts, Lahore (M/s Nimar Chemicals)
Project: Nil

Our Ref. No. CL/CED/ 9039 Dated: 14-10-19

Your Ref. No. Nil Dated: 07-10-19

COMPRESSION TEST REPORT

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

Specimens received on: 07-10-19 Tested on: 09-10-19 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		7.8x3.9x3.1	3495	30.42	75	5530	
2	Rectangular Grey		7.8x3.9x3.1	3640	30.42	82	6040	
3	Rectangular Grey		7.8x3.9x3.1	3520	30.42	94	6930	
4	Rectangular Grey		7.8x3.9x3.1	3766	30.42	120	8840	
5	Rectangular Grey		7.8x3.9x3.1	3650	30.42	83	6120	
6	Rectangular Grey		7.8x3.8x3.1	3550	29.64	85	6430	
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9281

Dr. Umbreen

To: Furqan Ali Malik (Chief Resident Engineer, Package-1)
CM Div., NESPAK (Pvt.) Ltd. Lahore, (M/s Khalid Rauf & Co.)
Project: Construction & Rehabilitation of at Grade Works Along Lahore Orange Line Metro Train Corridor
Package-1 (Section-II) Shalamar Station to Coop Store (Right Side)

Our Ref. No. CL/CED/ 9040 Dated: 14-10-19

Your Ref. No. 4042/13/FAM/Tough-Paver-116 Dated: 02-10-19

COMPRESSION TEST REPORT

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

Specimens received on: 04-10-19 Tested on: 04-10-19 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		7.8x3.9x3.1	3803	30.42	104	7660	
2	Rectangular Grey		7.8x3.9x3.1	3748	30.42	88	6480	
3	Rectangular Red		7.8x3.9x3.1	3484	30.42	73	5380	
4	Rectangular Grey		7.7x3.8x2.3	2735	29.26	114	8730	
5	Rectangular Grey		7.7x3.8x2.3	2779	29.26	124	9500	
6	Rectangular Red		7.8x3.9x2.3	2619	30.42	90	6630	
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9284

Engr. Abdul Rehman

To: **Jafar Hussain**

Topnotch Rubber & Metal Industrial Co., Ltd.

Project: Plot # 35-A, Phase 1-A, M-3 Industrial City, Sahianwala, Faisalabad.

Our Ref. No. CL/CED/

9041

Dated:

14-10-19

Your Ref. No.

Nil

Dated:

04-10-19

COMPRESSION TEST REPORT

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

Specimens received on:

04-10-19

Tested on:

10-10-19

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	Uniblock Grey		2.3 Thick	3377	37.25	142	8540	
2	Uniblock Grey		2.3 Thick	3308	37.25	112	6740	
3	Uniblock Grey		2.3 Thick	3347	37.25	124	7460	
4	Uniblock Grey		2.3 Thick	3376	37.25	115	6920	
5	Uniblock Grey		2.3 Thick	3338	37.25	104	6260	
6	Uniblock Grey		2.3 Thick	3370	37.25	124	7460	
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9275

Dr. Asad Qazi

To: **Sub Divisional Officer**

Public Health Engg: Sub Division, Toba Tek Singh

Project: Laying of Soling, Resoling, Drain, Repair of Roads, Water Supply Pipelines & Sewrage in District T.T. Singh (Muhammad Hanif Anjum, Govt. Contractor)

Our Ref. No. CL/CED/ 9042 Dated: 14-10-19

Your Ref. No. 210/PHE-SD-TTS Dated: 01-10-19

COMPRESSION TEST REPORT

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

Specimens received on: 03-10-19 Tested on: 08-10-19 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		7.7x3.8x3.1	3569	29.26	102	7810	
2	Rectangular Grey		7.7x3.8x3.1	3613	29.26	92	7050	
3	Rectangular Grey		7.7x3.8x3.1	3658	29.26	124	9500	
4	Rectangular Grey		7.7x3.8x3.1	3548	29.26	104	7970	
5	Rectangular Grey		7.7x3.8x3.1	3616	29.26	98	7510	
6	Rectangular Grey		7.7x3.8x3.1	3590	29.26	114	8730	
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Phone Nos. 042-99029202, 042-99029217

9264

To: **Muhammad Tufail (Construction Team Leader)**
Zor Engineers (Pvt.) Ltd. Lahore

Engr. Abdul Rehman

Project: Presbyterian Education Board: Christian Boys High School Martinpur Phase-2

Our Ref. No. CL/CED/ 9043 Dated: 14-10-19

Your Ref. No. 230.28.1/MT/7 Dated: 01-10-19

COMPRESSION TEST REPORT

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

Specimens received on: 01-10-19 Tested on: 03-10-19 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
		24	8	2019						
1	Hall Foundation Beam	24	8	2019	6x6x6	8.4	36	31	1930	Engraved
2	Hall Foundation Beam	24	8	2019	6x6x6	8.2	36	27	1680	Engraved
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Director/Dy. Director Concrete Laboratory



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University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

9265

To: Muhammad Tufail (Construction Team Leader)
Zor Engineers (Pvt.) Ltd. Lahore
Project: Saver of Worth-Girls Home Faisalabad

Engr. Abdul Rehman

Our Ref. No. CL/CED/ 9044 Dated: 14-10-19

Your Ref. No. 230.28.1/MT/6 Dated: 01-10-19

COMPRESSION TEST REPORT

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

Specimens received on: 01-10-19 Tested on: 03-10-19 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
		Month	Day	Year						
1	Hall Roof Beam	6	9	2019	6x6x6	9	36	56	3490	Engraved
2	Hall Roof Beam	6	9	2019	6x6x6	8.8	36	62	3860	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

9265

To: **Muhammad Tufail (Construction Team Leader)**
Zor Engineers (Pvt.) Ltd. Lahore
Project: Saver of Worth-Girls Home Faisalabad

Engr. Abdul Rehman

Our Ref. No. CL/CED/ 9045 Dated: 14-10-19

Your Ref. No. 230.28.1/MT/7 Dated: 01-10-19

COMPRESSION TEST REPORT

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

Specimens received on: 01-10-19 Tested on: 03-10-19 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	Hall Roof Beam	4	9	2019	6x6x6	9	36	56	3490	Engraved
2	Hall Roof Beam	4	9	2019	6x6x6	9	36	47	2930	Engraved
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Department of Civil Engineering

University of Engineering and Technology, Lahore

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9265

To: **Muhammad Aftab (Asstt to General Manager)**
Banu Mukhtar Contracting (Pvt.) Ltd. Lahore
Project: Interloop Green Denim Factor

Engr. Abdul Rehman

Our Ref. No. CL/CED/ 9046 Dated: 14-10-19

Your Ref. No. BML/Interloop/287 Dated: 02-10-19

COMPRESSION TEST REPORT

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

Specimens received on: 02-10-19 Tested on: 03-10-19 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
		Month	Day	Year						
1	Roof Beam (4500 Psi)	4	9	2019	6x6x6	9.2	36	104	6480	Non Engraved
2	Roof Beam (4500 Psi)	4	9	2019	6x6x6	9	36	103	6410	Non Engraved
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Director/Dy. Director Concrete Laboratory