



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

9169 & 9170
Dr. Umbreen

To: **Hamid Ali (Resident Engineer)**

H&TE Div., NESPAK (Pvt.) Ltd. Lahore (M/s Highway & Co.)

Project: Dualization of Road From Muzaffargarh to Dera Ghazi Khan KM No.43.00 to 74.00, L=31.00 KM (I/C Proposed Bypasses L=33.90KM) (Group-II) L=10.25KM, Distt. Muzaffargarh

Our Ref. No. CL/CED/ 8853 Dated: 12-09-19

Your Ref. No. 3949/HA/01/307 Dated: 02-09-19

COMPRESSION TEST REPORT

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

Specimens received on: 11-09-19 Tested on: 11-09-19 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	Kerb Stone				5.9x5.9x5.9	8	34.81	114	7340	Cut Cube
2	Kerb Stone				5.9x6.0x6.0	7.8	35.4	104	6590	Cut Cube
3	Kerb Stone				5.9x5.9x5.9	7.8	34.81	114	7340	Cut Cube
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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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Our Ref. No. CL/CED/ 8854 Dated: 12-09-19

Your Ref. No. 3949/HA/01/299 Dated: 28-08-19

COMPRESSION TEST REPORT

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

Specimens received on: 11-09-19 Tested on: 11-09-19 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		7.8x3.8x2.9	3727	29.64	88	6650	
2	Rectangular Grey		7.8x3.8x2.9	3701	29.64	122	9220	
3	Rectangular Grey		7.8x3.8x2.9	3616	29.64	100	7560	
4	Rectangular Grey		7.8x3.8x2.9	3804	29.64	130	9830	
5	Rectangular Grey		7.8x3.8x2.9	3727	29.64	124	9380	
6	Rectangular Grey		7.8x3.8x2.9	3693	29.64	114	8620	
7	Rectangular Red		7.8x3.8x2.9	3681	29.64	118	8920	
8	Rectangular Red		7.8x3.8x2.9	3693	29.64	118	8920	
9	Rectangular Red		7.8x3.8x2.9	3613	29.64	100	7560	
10	Rectangular Red		7.8x3.8x2.9	3560	29.64	124	9380	
11	Rectangular Red		7.8x3.8x2.9	3691	29.64	104	7860	
12	Rectangular Red		7.8x3.8x3.0	3754	29.64	90	6810	
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supervisor(lab)

Director/Dy. Director Concrete Laboratory



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9158
Dr. Aqsa

To: Furqan Ali Malik (Chief Resident Engineer, Package-1)
CM Div., NESPAK (Pvt.) Ltd. Lahore (M/s Rakson Construction Pvt. Ltd.)
Project: Constt. & Rehab. of at at Grade works along Lahore Orange Line Metro Train Corridor Package-1
(Section-II) Shalimar Station to Coop Store (Left Side)

Our Ref. No. CL/CED/ 8855 Dated: 12-09-19

Your Ref. No. 4042/13/FAM/Tough-Paver-104 Dated: 02-09-19

COMPRESSION TEST REPORT

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

Specimens received on: 04-09-19 Tested on: 05-09-19 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		7.8x3.8x2.9	3681	29.64	83	6280	
2	Rectangular Grey		7.8x3.8x2.9	3702	29.64	89	6730	
3	Rectangular Red		7.8x3.8x2.9	3722	29.64	79	5970	
4	Rectangular Grey		7.8x3.8x2.2	2584	29.64	99	7490	
5	Rectangular Grey		7.8x3.8x2.2	2720	29.64	97	7340	
6	Rectangular Red		7.8x3.8x2.2	2637	29.64	97	7340	
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Phone Nos. 042-99029202, 042-99029217

9159

Dr. Aqsa

To: **Sub Divisional Officer**

Public Health Engg: Sub Division, Raiwind

Project: Provision of Tuff Tile & PCC at Walayat Road & Links, Malik Hanif Counselor Wali Gali and Salamat Street Niazi Chowk in UC-230, Lahore

Our Ref. No. CL/CED/ 8856 Dated: 12-09-19

Your Ref. No. 731/R Dated: 14-06-19

COMPRESSION TEST REPORT

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

Specimens received on: 04-09-19 Tested on: 05-09-19 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		7.7x3.7x2.8	3694	28.49	94	7400	
2	Rectangular Grey		7.7x3.7x2.8	3652	28.49	110	8650	
3	Rectangular Red		7.7x3.7x2.8	3519	28.49	120	9440	
4	Rectangular Red		7.7x3.7x2.8	3506	28.49	108	8500	
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