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

9179

To: **Furqan Ali Malik (Chief Resident Engineer, Package-1)** Engr. Ubaid
CM Div., NESPAK (Pvt.) Ltd. Lahore (M/s Khalid Rauf & Co.).
Project: Construction / Improvement & 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/ 8955 Dated: 30-09-19

Your Ref. No. 4042/13/FAM/ToughPaver-103 Dated: 02-09-19

COMPRESSION TEST REPORT

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

Specimens received on: 13-09-19 Tested on: 27-09-19 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, 80mm				7.8x3.9x2.9	3834	30.42	144	10610	
2	Rectangular Grey, 80mm				7.8x3.9x2.9	3796	30.42	73	5380	
3	Rectangular Red, 80mm				7.8x3.9x2.9	3819	30.42	75	5530	
4	Rectangular Grey, 60mm				7.8x3.9x2.2	2578	30.42	124	9140	
5	Rectangular Grey, 60mm				7.8x3.9x2.2	2620	30.42	94	6930	
6	Rectangular Red, 60mm				7.8x3.9x2.2	2578	30.42	95	7000	
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"diax12" cylinder) strength at 28 days as comprerssive 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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9179

Dr. Aqsa

To: Furqan Ali Malik (Chief Resident Engineer, Package-1)
CM Div., NESPAK (Pvt.) Ltd. Lahore (M/s Khalid Rauf & Co.).
Project: Construction / Improvement & 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/ 8956 Dated: 30-09-19

Your Ref. No. 4042/13/FAM/Kerb Stone-102 Dated: 02-09-19

COMPRESSION TEST REPORT

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

Specimens received on: 13-09-19 Tested on: 24-09-19 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	Kerb Stone (Punjab)				6x6x6	8.2	36	114	7100	Cut Cube
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

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supervisor(lab) **Director/Dy. Director Concrete Laboratory**

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To: **Furqan Ali Malik (Chief Resident Engineer, Package-1)** Dr. Aqsa
CM Div., NESPAK (Pvt.) Ltd. Lahore (M/s Khalid Rauf & Co.).
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Our Ref. No. CL/CED/ 8957 Dated: 30-09-19

Your Ref. No. 4042/13/FAM/Edge-Dyke-101 Dated: 02-09-19

COMPRESSION TEST REPORT

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

Specimens received on: 13-09-19 Tested on: 24-09-19 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	Edge Dyke				6x5.9x6	8.2	35.4	110	6960	Cut Cube
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

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