



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

10366

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

Dr. Mazhar Saleem

**CM Div., Nespak (Pvt.) Ltd. Lahore (M/s Fast Track Construction Pvt. Ltd.)**

**Project: Construction & Rehabilitation of at Grade Works Along Lahore Orange Line Metro Train Corridor Package-1 (Section-I) Ring Road to Daroghawala Chowk (Both Side)**

Our Ref. No. CL/CED/ 543 Dated: 03-08-20

Your Ref. No. 4042/13/FAM/Tough-Paver-168 Dated: 27-07-20

## COMPRESSION TEST REPORT

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

Specimens received on: 28-07-20 Tested on: 28-07-20 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		7.8x3.9x3.0	3609	30.42	77	5670	
2	Rectangular Grey		7.8x3.9x3.0	3548	30.42	75	5530	
3	Rectangular Red		7.8x3.9x3.1	3725	30.42	37	2730	
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Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](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

10374  
Dr. Umbreen

**To: Sohail Ashraf**  
**Deelux Sports, Sialkot**  
**Project: Deelux Sports Factory Sialkot**

Our Ref. No. CL/CED/ 544 Dated: 03-08-20

Your Ref. No. Nil Dated: 28-07-20

## COMPRESSION TEST REPORT

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

Specimens received on: 28-07-20 Tested on: 29-07-20 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	I-Section Blackish		2.3 Thick	3446	41.82	114	6110	
2	I-Section Blackish		2.3 Thick	3388	41.82	118	6320	
3	I-Section Blackish		2.3 Thick	3434	41.82	120	6430	
4	I-Section Grey		2.3 Thick	3510	41.82	126	6750	
5	I-Section Grey		2.3 Thick	3592	41.82	114	6110	
6	I-Section Grey		2.3 Thick	3569	41.82	83	4450	
7	I-Section Red		2.3 Thick	3343	41.82	73	3910	
8	I-Section Red		2.3 Thick	3554	41.82	75	4020	
9	I-Section Red		2.3 Thick	3614	41.82	110	5900	
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University of Engineering and Technology, Lahore  
Phone Nos. 042-99029202, 042-99029217

10367

Dr. M. Yousaf

To: **Brig. Saeed Ahmed Malik (SI M, R) (Resident Engineer)**

**H&TE Div., Nespak (Pvt.) Ltd. Lahore**

**Project: (Lahore Development Projects) Rehabilitation of Streets Infrastructure through Provision of PCC and Gully Grating in Block C,E & H Youhanabad Lahore (Package-II)**

Our Ref. No. CL/CED/ 545 Dated: 03-08-20

Your Ref. No. 4084/103/BSAM/104/44 Dated: 02-07-20

## COMPRESSION TEST REPORT

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

Specimens received on: 28-07-20 Tested on: 30-07-20 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		24	6	2020	6Diax12	14	28.28	71	5630	Non Engraved
2		24	6	2020	6Diax12	13.6	28.28	71	5630	Non Engraved
3		24	6	2020	6Diax12	14	28.28	66	5230	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

10376

To: **Sub Divisional Officer**

Dr. M. Yousaf

**Buildings Sub Division No. 20, Lahore**

**Project: Establishment of Tilapia Research & Training Institute of Lahore (R.R. Tank No. 03)**

Our Ref. No. CL/CED/

546

Dated:

03-08-20

Your Ref. No.

393/20th

Dated:

03-12-19

## COMPRESSION TEST REPORT

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

Specimens received on: 29-07-20      Tested on: 30-07-20      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	RCC Bowl Wall	2	11	2019	6x6x6	8.4	36	94	5850	Non Engraved
2	RCC Bowl Wall	2	11	2019	6x6x6	8.4	36	98	6100	Non Engraved
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supervisor(lab)

Director/Dy. Director Concrete Laboratory



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**Department of Civil Engineering**  
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Phone Nos. 042-99029202, 042-99029217

10376

Dr. M. Yousaf

To: **Sub Divisional Officer**

**Buildings Sub Division No. 20, Lahore**

**Project: Establishment of Tilapia Research & Training Institute of Lahore (R.R. Tank No. 02)**

Our Ref. No. CL/CED/

547

Dated:

03-08-20

Your Ref. No.

487/20th

Dated:

11-03-20

## COMPRESSION TEST REPORT

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

Specimens received on:

29-07-20

Tested on:

30-07-20

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	RCC Bowl No. 1,2&3	4	2	2020	6x6x6	8.4	36	95	5920	Non Engraved
2	RCC Bowl No. 1,2&3	4	2	2020	6x6x6	8.4	36	112	6970	Non Engraved
3	RCC Bowl No. 4,5&6	6	2	2020	6x6x6	8.4	36	106	6600	Non Engraved
4	RCC Bowl No. 4,5&6	6	2	2020	6x6x6	8.4	36	116	7220	Non Engraved
5	RCC Bowl No. 7,8,9 &10	9	2	2020	6x6x6	9	36	121	7530	Non Engraved
6	RCC Bowl No. 7,8,9 &10	9	2	2020	6x6x6	8.6	36	110	6850	Non Engraved
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Phone Nos. 042-99029202, 042-99029217

10376

Dr. M. Yousaf

To: **Sub Divisional Officer**

**Buildings Sub Division No. 20, Lahore**

**Project: Establishment of Tilapia Research & Training Institute of Lahore (R.R. Tank No. 03)**

Our Ref. No. CL/CED/

548

Dated:

03-08-20

Your Ref. No.

365/20th

Dated:

21-11-19

## COMPRESSION TEST REPORT

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

Specimens received on:

29-07-20

Tested on:

30-07-20

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	RCC Bowl Slab	16	10	2019	6x6x6	8.4	36	88	5480	Non Engraved
2	RCC Bowl Slab	16	10	2019	6x6x6	8.6	36	84	5230	Non Engraved
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Phone Nos. 042-99029202, 042-99029217

10376

To: **Sub Divisional Officer**

Dr. M. Yousaf

**Buildings Sub Division No. 20, Lahore**

**Project: Establishment of Tilapia Research & Training Institute of Lahore (R.R. Tank No. 01)**

Our Ref. No. CL/CED/

549

Dated:

03-08-20

Your Ref. No.

320/20th

Dated:

05-10-19

## COMPRESSION TEST REPORT

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

Specimens received on: 29-07-20 Tested on: 30-07-20 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	RCC Roof Slab	10	9	2019	6x6x6	8.6	36	58	3610	Non Engraved
2	RCC Roof Slab	10	9	2019	6x6x6	8.6	36	86	5360	Non Engraved
3	RCC Roof Slab	10	9	2019	6x6x6	8.2	36	77	4800	Non Engraved
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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

10376

Dr. M. Yousaf

To: **Sub Divisional Officer**

**Buildings Sub Division No. 20, Lahore**

**Project: Establishment of Tilapia Research & Training Institute of Lahore (R.R. Tank No. 03)**

Our Ref. No. CL/CED/ 550 Dated: 03-08-20

Your Ref. No. 396/20th Dated: 05-10-19

## COMPRESSION TEST REPORT

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

Specimens received on: 29-07-20 Tested on: 30-07-20 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	RCC Roof Slab	5	11	2019	6x6x6	8.6	36	63	3920	Non Engraved
2	RCC Roof Slab	5	11	2019	6x6x6	8.6	36	65	4050	Non Engraved
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Phone Nos. 042-99029202, 042-99029217

10377

Dr. M. Yousaf

To: **Sub Divisional Officer**

**Buildings Sub Division No. 15, Lahore**

**Project: Construction of New Administration Block in the Premises of Lahore High Court Lahore**

Our Ref. No. CL/CED/

551

Dated:

03-08-20

Your Ref. No.

685

Dated:

22-07-20

## COMPRESSION TEST REPORT

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

Specimens received on: 29-07-20 Tested on: 30-07-20 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	Roof Slab of 2nd Floor	24	6	2020	6x6x6	9	36	71	4420	Non Engraved
2	Roof Slab of 2nd Floor	24	6	2020	6x6x6	9	36	45	2800	Non Engraved
3	Roof Slab of 2nd Floor	24	6	2020	6x6x6	9	36	61	3800	Non Engraved
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Phone Nos. 042-99029202, 042-99029217

10377

To: **Sub Divisional Officer**

Dr. M. Yousaf

**Buildings Sub Division No. 15, Lahore**

**Project: Construction of New Administration Block in the Premises of Lahore High Court Lahore**

Our Ref. No. CL/CED/ 552 Dated: 03-08-20

Your Ref. No. 702 Dated: 27-07-20

## COMPRESSION TEST REPORT

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

Specimens received on: 29-07-20 Tested on: 30-07-20 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	Lift Well in 3rd Floor	1	7	2020	6x6x6	8.6	36	96	5980	Engraved
2	Lift Well in 3rd Floor	1	7	2020	6x6x6	9	36	75	4670	Engraved
3	Lift Well in 3rd Floor	1	7	2020	6x6x6	9	36	78	4860	Engraved
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Phone Nos. 042-99029202, 042-99029217

10377

Dr. M. Yousaf

To: **Sub Divisional Officer**

**Buildings Sub Division No. 15, Lahore**

**Project: Construction of New Administration Block in the Premises of Lahore High Court Lahore**

Our Ref. No. CL/CED/ 553 Dated: 03-08-20

Your Ref. No. 699 Dated: 27-07-20

## COMPRESSION TEST REPORT

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

Specimens received on: 29-07-20 Tested on: 30-07-20 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	Columns in 3rd Floor (Portion-2)	1	7	2020	6x6x6	9	36	61	3800	Non Engraved
2	Columns in 3rd Floor (Portion-2)	1	7	2020	6x6x6	8.6	36	58	3610	Non Engraved
3	Columns in 3rd Floor (Portion-2)	1	7	2020	6x6x6	8.6	36	77	4800	Non Engraved
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**Department of Civil Engineering**  
University of Engineering and Technology, Lahore  
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10377

Dr. M. Yousaf

To: **Sub Divisional Officer**

**Buildings Sub Division No. 15, Lahore**

**Project: Construction of New Administration Block in the Premises of Lahore High Court Lahore**

Our Ref. No. CL/CED/

554

Dated:

03-08-20

Your Ref. No.

693

Dated:

25-07-20

## COMPRESSION TEST REPORT

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

Specimens received on: 29-07-20 Tested on: 30-07-20 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	Columns in 3rd Floor (Portion-1)	28	6	2020	6x6x6	9	36	80	4980	Non Engraved
2	Columns in 3rd Floor (Portion-1)	28	6	2020	6x6x6	9	36	88	5480	Non Engraved
3	Columns in 3rd Floor (Portion-1)	28	6	2020	6x6x6	9	36	70	4360	Non Engraved
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/departments/testing\\_reports?id=6](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