



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

8939  
Engr. Ubaid  
Ahmed

**To: Ahsan G. Hassan (CRE/Team Leader)**  
**M&QC Div., NESPAK (Pvt.) Ltd. Lahore, M/S Nevcon Constructor**  
**Project: Constt. of Kakezai Cooperative Housing Society-Lahore (Installation of Tube Well Phase-II)**

Our Ref. No. CL/CED/ 8634 Dated: 30-07-19

Your Ref. No. 3405/14/AGH/KCHS/06/8466 Dated: 12-07-19

## COMPRESSION TEST REPORT

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

Specimens received on: 16-07-19 Tested on: 29-07-19 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	Sword			3780	9.0x4.4x2.9	3355	39.6	37	2100	11.24
2	Sword			3884	9.0x4.4x2.9	3386	39.6	23	1310	12.82
3	Sword			3830	9.0x4.4x2.9	3351	39.6	30	1700	12.5
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\* 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**  
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Phone Nos. 042-99029202, 042-99029217

8951

**To: Sub Divisional Officer**  
**Buildings Sub Division, Pattoki**  
**Project: Construction of Arazi Record Centre at Chunian District Kasur**

Engr.Ubaid Ahmed

Our Ref. No. CL/CED/ 8635 Dated: 30-07-19

Your Ref. No. 894/P Dated: 30-04-19

## COMPRESSION TEST REPORT

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

Specimens received on: 18-07-19 Tested on: 29-07-19 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	P K				9.0x4.4x3.0	3311	39.6	41	2320	
2	P K				9.0x4.3x2.9	3293	38.7	33	1920	
3	P K				8.9x4.4x3.0	3323	39.16	23	1320	
4	P K				8.9x4.4x3.0	3200	39.16	33	1890	
5	P K				8.9x4.4x3.0	3265	39.16	40	2290	
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8957

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

Engr. Ubaid Ahmed

H&TE Div., NESPAK (Pvt.) Ltd. Lahore

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

Our Ref. No. CL/CED/

8636

Dated:

30-07-19

Your Ref. No.

3949/HA/01/267

Dated:

16-05-19

## COMPRESSION TEST REPORT

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

Specimens received on: 19-07-19 Tested on: 29-07-19 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	Rectangular Grey				7.8x3.9x3.0	3578	30.42	81	5970	
2	Rectangular Grey				7.8x3.9x3.0	3659	30.42	90	6630	
3	Rectangular Grey				7.8x3.9x3.0	3711	30.42	93	6850	
4	Rectangular Grey				7.8x3.9x3.0	3696	30.42	77	5670	
5	Rectangular Grey				7.8x3.9x3.0	3720	30.42	93	6850	
6	Rectangular Grey				7.8x3.9x3.0	3786	30.42	100	7370	
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8960

Dr. M. Yousaf

**To: Imran Akhtar (Project Manager)**  
**CM Engineering (Pvt.) Ltd. Lahore**  
**Project: Long Haul & Metro, Site ID 4642, ODU PAD**

Our Ref. No. CL/CED/ 8637 Dated: 30-07-19

Your Ref. No. CME/Cubes/LongHaul/514 Dated: 22-07-19

## COMPRESSION TEST REPORT

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

Specimens received on: 22-07-19 Tested on: 25-07-19 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
		Month	Day	Year						
1		24	6	2019	6x6x6	8	36	110	6850	Non Engraved
2		24	6	2019	6x6x6	8.2	36	108	6720	Non Engraved
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8960

Dr. M. Yousaf

**To: Imran Akhtar (Project Manager)**  
**CM Engineering (Pvt.) Ltd. Lahore**  
**Project: Long Haul & Metro, Site ID 4507, ODU PAD**

Our Ref. No. CL/CED/ 8638 Dated: 30-07-19

Your Ref. No. CME/Cubes/LongHaul/512 Dated: 11-07-19

## COMPRESSION TEST REPORT

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

Specimens received on: 22-07-19 Tested on: 25-07-19 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
		Month	Day	Year						
1		13	6	2019	6x6x6	8	36	106	6600	Non Engraved
2		13	6	2019	6x6x6	8	36	104	6480	Non Engraved
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**supervisor(lab)**

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# Plain and Reinforced Concrete Laboratory

## Department of Civil Engineering

University of Engineering and Technology, Lahore

Phone Nos. 042-99029202, 042-99029217

8965

Dr. M. Yousaf

To: **M. Kashif Mufty (D.G.M Civil)**  
**Nishat Hotels and Properties Ltd., Lahore**  
**Project: Nishat NBH Gulberg Lhr.**

Our Ref. No. CL/CED/ 8639 Dated: 30-07-19

Your Ref. No. NHPL/NBH/ITFQ/CONC/08 Dated: 22-07-19

## COMPRESSION TEST REPORT

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

Specimens received on: 22-07-19 Tested on: 25-07-19 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	GF(Slab GX-GY/4-5)	17	7	2019	6Diax12	14	28.28	20	1590	Engraved
2	GF(Slab GX-GY/4-5)	17	7	2019	6Diax12	13.4	28.28	20	1590	Engraved
3	GF(Slab GX-GY/4-5)	17	7	2019	6Diax12	13.6	28.28	20	1590	Engraved
4	GF(Slab GX-GY/3-5)	11	7	2019	6Diax12	13	28.28	20	1590	Non Engraved
5	GF(Slab GX-GY/3-5)	11	7	2019	6Diax12	13.4	28.28	21	1670	Non Engraved
6	GF(Slab GX-GY/3-5)	11	7	2019	6Diax12	13.4	28.28	25	1990	Non Engraved
7	T.F.(Lift Wall GX/5)	18	7	2019	6Diax12	13	28.28	25	1990	Non Engraved
8	T.F.(Lift Wall GX/5)	18	7	2019	6Diax12	13.8	28.28	33	2620	Non Engraved
9	T.F.(Lift Wall GX/5)	18	7	2019	6Diax12	13.2	28.28	31	2460	Non Engraved
10	F.F.(Lift Wall GX/5)	18	7	2019	6Diax12	14	28.28	58	4600	Non Engraved
11	F.F.(Lift Wall GX/5)	18	7	2019	6Diax12	14	28.28	47	3730	Non Engraved
12	F.F.(Lift Wall GX/5)	18	7	2019	6Diax12	14	28.28	58	4600	Non Engraved
End	---	---	---	---	---	---	---	---	---	---
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8966

To: **Abdul Ghafar (Project Manager)**

Engr. Ubaid Ahmed

**Liberty Builders, Lahore**

**Project: Construction of Zee Avenue, 17-A Cooper Road Lahore (Zone-C, Basement-2 Columns Cap)**

Our Ref. No. CL/CED/ 8640 Dated: 30-07-19

Your Ref. No. CONC-20190628 Dated: 22-07-19

## COMPRESSION TEST REPORT

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

Specimens received on: 22-07-19 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	7 6 0	20	6	2019	6Diax12	14.2	28.28	138	10940	Non Engraved
2	7 6 1	20	6	2019	6Diax12	14	28.28	124	9830	Non Engraved
3	7 6 2	20	6	2019	6Diax12	14	28.28	120	9510	Non Engraved
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8967

Dr. M. Yousaf

**To: Shoab Razzaq (Project Coordinator)**  
**Sinaco Engineers (Pvt.) Ltd. Lahore**  
**Project: Retrofitting Works at 12-L Gulberg, Lahore**

Our Ref. No. CL/CED/ 8641 Dated: 30-07-19

Your Ref. No. SEL/LHR/C-462/10240 Dated: 19-07-19

## COMPRESSION TEST REPORT

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

Specimens received on: 22-07-19 Tested on: 25-07-19 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		22	6	2019	6Diax12	13.4	28.28	45	3570	Non Engraved
2		22	6	2019	6Diax12	13.2	28.28	63	5000	Non Engraved
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8968

To: **Abdul Rauf Saqib (Project Manager)**  
**Ittefaq Construction Services, Lahore**

Dr. M. Yousaf

**Project: Construction of Apartments Building, Plot # 81, Block-C/1 Gulberg III, Lahore**

Our Ref. No. CL/CED/ 8642 Dated: 30-07-19

Your Ref. No. ICS/M.A/0 Dated: 22-07-19

## COMPRESSION TEST REPORT

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

Specimens received on: 22-07-19 Tested on: 25-07-19 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	Column	19	4	2019	6Diax12	13	28.28	6	480	Engraved
2	Column	19	4	2019	6Diax12	13	28.28	9	720	Engraved
3	Column	19	4	2019	6Diax12	13	28.28	8	640	Engraved
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8968

Dr. M. Yousaf

**To: Abdul Rauf Saqib (Project Manager)**  
**Ittefaq Construction Services, Lahore**  
**Project: Construction of Apartments Building, Plot # 81, Block-C/1 Gulberg III, Lahore**

Our Ref. No. CL/CED/ 8643 Dated: 30-07-19

Your Ref. No. ICS/M.A/0 Dated: 22-07-19

## COMPRESSION TEST REPORT

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

Specimens received on: 22-07-19 Tested on: 25-07-19 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	15	6	2019	6Diax12	13	28.28	10	800	Non Engraved
2	Slab	15	6	2019	6Diax12	13	28.28	10	800	Non Engraved
3	Slab	15	6	2019	6Diax12	13	28.28	8	640	Non Engraved
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8968

To: **Abdul Rauf Saqib (Project Manager)**  
**Ittefaq Construction Services, Lahore**

Dr. M. Yousaf

**Project: Construction of Apartments Building, Plot # 81, Block-C/1 Gulberg III, Lahore**

Our Ref. No. CL/CED/ 8644 Dated: 30-07-19

Your Ref. No. ICS/M.A/0 Dated: 22-07-19

## COMPRESSION TEST REPORT

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

Specimens received on: 22-07-19 Tested on: 25-07-19 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	15	6	2019	6Diax12	13	28.28	10	800	Non Engraved
2	Slab	15	6	2019	6Diax12	13	28.28	10	800	Non Engraved
3	Slab	15	6	2019	6Diax12	13	28.28	10	800	Non Engraved
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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"diax12" 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

8968

To: **Abdul Rauf Saqib (Project Manager)**

Dr. M. Yousaf

**Ittefaq Construction Services, Lahore**

**Project: Construction of Apartments Building, Plot # 81, Block-C/1 Gulberg III, Lahore**

Our Ref. No. CL/CED/

8645

Dated:

30-07-19

Your Ref. No.

ICS/M.A/0

Dated:

22-07-19

## COMPRESSION TEST REPORT

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

Specimens received on: 22-07-19 Tested on: 25-07-19 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
		Month	Day	Year						
1	Slab	30	5	2019	6Diax12	12.4	28.28	9	720	Non Engraved
2	Slab	30	5	2019	6Diax12	13	28.28	10	800	Non Engraved
3	Slab	30	5	2019	6Diax12	12.8	28.28	7	560	Non Engraved
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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

8968

Dr. M. Yousaf

**To: Azhar Khan (Project Incharge)**  
**Ittefaq Construction Services, Lahore (M/s Allied marketing (Pvt.) Ltd.)**  
**Project: Construction of (Grey Structure) of Hayat Kemya Warehouse Building**

Our Ref. No. CL/CED/ 8646 Dated: 30-07-19

Your Ref. No. ICS/M.A/03 Dated: 22-07-19

## COMPRESSION TEST REPORT

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

Specimens received on: 22-07-19 Tested on: 25-07-19 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	Retaining Wall	26	5	2019	6Diax12	13.2	28.28	70	5550	Non Engraved
2	Retaining Wall	26	5	2019	6Diax12	13	28.28	90	7130	Non Engraved
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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

8968

Dr. M. Yousaf

**To: Azhar Khan (Project Incharge)**  
**Ittefaq Construction Services, Lahore (M/s Allied marketing (Pvt.) Ltd.)**  
**Project: Construction of (Grey Structure) of Hayat Kemya Warehouse Building**

Our Ref. No. CL/CED/ 8647 Dated: 30-07-19

Your Ref. No. ICS/M.A/04 Dated: 22-07-19

## COMPRESSION TEST REPORT

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

Specimens received on: 22-07-19 Tested on: 25-07-19 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	2	6	2019	6Diax12	13.4	28.28	89	7050	Non Engraved
2	Slab	2	6	2019	6Diax12	13	28.28	25	1990	Non Engraved
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\* as engraved on the specimens (if any)

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\*\*\*\* ACI318-08 requires mean of two sample (6" dia x 12" cylinder) strength at 28 days as compressive strength

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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

8969

To: **Engr. Irfan Shahid (Resident Engineer)**

Dr. M. Yousaf

**Advance Building Systems, Lahore**

**Project: Construction of Production Hall, Warehouse, Praying Hall, Mess Building, Workshop, Roads & Allied Works**

Our Ref. No. CL/CED/

8648

Dated:

30-07-19

Your Ref. No.

ABS/SUN/08

Dated:

23-07-19

## COMPRESSION TEST REPORT

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

Specimens received on: 23-07-19 Tested on: 25-07-19 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	MH-1	26	6	2019	6Diax12	13.8	28.28	53	4200	Non Engraved
2	MH-2	26	6	2019	6Diax12	13.6	28.28	54	4280	Non Engraved
3	MH-3	26	6	2019	6Diax12	13.4	28.28	48	3810	Non Engraved
4	PH-1	17	7	2019	6Diax12	14	28.28	67	5310	Non Engraved
5	PH-2	17	7	2019	6Diax12	14	28.28	67	5310	Non Engraved
6	PH-3	17	7	2019	6Diax12	14	28.28	67	5310	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

9004

Engr. Ubaid

**To: Mr. Tahir Abbas, Lab Incharge**  
**Sarwar & Company (Pvt) Limited. 195-G/3, Johar Town, Lahore.**  
**Project: H S A Leather Project Kahna Lahore.**

Our Ref. No. CL/CED/ 8649 Dated: 30-07-19

Your Ref. No. Nil Dated: 29-07-19

## 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	Raft (4000 Psi)	15	6	2019	6Diax12	13.2	28.28	85	6740	Non Engraved
2	Raft (4000 Psi)	15	6	2019	6Diax12	13.2	28.28	75	5950	Non Engraved
3	Raft (4000 Psi)	15	6	2019	6Diax12	13	28.28	92	7290	Non Engraved
4	Raft (4000 Psi)	15	6	2019	6Diax12	14	28.28	69	5470	Non Engraved
5	Raft (4000 Psi)	15	6	2019	6Diax12	13.2	28.28	95	7530	Non Engraved
6	Raft (4000 Psi)	15	6	2019	6Diax12	14	28.28	93	7370	Non Engraved
7	Raft (4000 Psi)	15	6	2019	6Diax12	13.2	28.28	73	5790	Non Engraved
8	Raft (4000 Psi)	15	6	2019	6Diax12	14	28.28	85	6740	Non Engraved
9	Raft (4000 Psi)	15	6	2019	6Diax12	14	28.28	96	7610	Non Engraved
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\* as engraved on the specimens (if any)

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\*\*\* 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

8984

Engr. Ubaid

**To: Mubasher Bajwa, Resident Engineer**  
**Speed Engineering Consultants. PACHEM Global (Pvt) Ltd.**  
**Project: Construction of PAChem Processing Plant, Sahianwala Industrial Estate**

Our Ref. No. CL/CED/ 8650 Dated: 30-07-19

Your Ref. No. 786/SEC/250701/2019 Dated: 25-07-19

## COMPRESSION TEST REPORT

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

Specimens received on: 25-07-19 Tested on: 29-07-19 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	Found. (F-01,F-02)	18	7	2019	6Diax12	14	28.28	57	4520	Engraved
2	Found. (F-01,F-02)	18	7	2019	6Diax12	14	28.28	62	4920	Engraved
3	Found. (F-01,F-02)	18	7	2019	6Diax12	14	28.28	43	3410	Engraved
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\* as engraved on the specimens (if any)

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\*\*\*\* ACI318-08 requires mean of two sample (6"diax12" 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

8984  
Engr. Ubaid

**To: Mubasher Bajwa, Resident Engineer**  
**Speed Engineering Consultants. PACHEM Global (Pvt) Ltd.**  
**Project: Construction of PAChem Processing Plant, Sahianwala Industrial Estate**

Our Ref. No. CL/CED/ 8651 Dated: 30-07-19

Your Ref. No. 786/SEC/250702/2019 Dated: 25-07-19

## COMPRESSION TEST REPORT

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

Specimens received on: 25-07-19 Tested on: 29-07-19 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
		Month	Day	Year						
1	Raft P-3 (Lean)	29	6	2019	6Diax12	13.6	28.28	61	4840	Engraved
2	Raft P-3 (Lean)	29	6	2019	6Diax12	13.4	28.28	57	4520	Engraved
3	Raft P-3 (Lean)	29	6	2019	6Diax12	13.4	28.28	57	4520	Engraved
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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

8984

Engr. Ubaid

**To: Mubasher Bajwa, Resident Engineer**  
**Speed Engineering Consultants. PACHEM Global (Pvt) Ltd.**  
**Project: Construction of PAChem Processing Plant, Sahianwala Industrial Estate**

Our Ref. No. CL/CED/ 8652 Dated: 30-07-19

Your Ref. No. 786/SEC/250703/2019 Dated: 25-07-19

## COMPRESSION TEST REPORT

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

Specimens received on: 25-07-19 Tested on: 29-07-19 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	Raft P-1 (Lean)	26	6	2019	6Diax12	13.4	28.28	79	6260	Engraved
2	Raft P-1 (Lean)	26	6	2019	6Diax12	13	28.28	67	5310	Engraved
3	Raft P-1 (Lean)	26	6	2019	6Diax12	13.2	28.28	65	5150	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

8932  
Engr. Ubaid  
Ahmed

**To: Furqan Ali Malik (Chief Resident Engineer, Package-I)**  
**CM Div., NESPAK (Pvt.) Ltd. Lahore, (Al-Khair), M/S Kamal Developers**  
**Project: (Sec-II) Constt. & Rehab. of at Grade Works Along Lahore Orange Line Metro Train Corridor Pkg-1**  
**From Coop Store to Bohar Wala Chowk**

Our Ref. No. CL/CED/ 8653 Dated: 30-07-19

Your Ref. No. 4042/13/FAM/Tough-Paver-010 Dated: 29-06-19

## COMPRESSION TEST REPORT

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

Specimens received on: 16-07-19 Tested on: 29-07-19 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		7.8x3.9x2.9	3601	30.42	83	6120	
2	Rectangular Grey		7.8x3.9x2.8	3654	30.42	83	6120	
3	Rectangular Red		7.8x3.9x2.8	3406	30.42	73	5380	
4	Rectangular Grey		7.7x3.9x2.3	2771	30.03	100	7460	
5	Rectangular Grey		7.7x3.9x2.3	2644	30.03	83	6200	
6	Rectangular Red		7.7x3.9x2.3	2649	30.03	83	6200	
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**supervisor(lab)**

**Director/Dy. Director Concrete Laboratory**