



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

9127

Engr. Aamina

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

Our Ref. No. CL/CED/ 8805 Dated: 04-09-19

Your Ref. No. 4042/13/FAM/Tough-Paver-100 Dated: 29-08-19

COMPRESSION TEST REPORT

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

Specimens received on: 30-08-19 Tested on: 03-09-19 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		7.8x3.9x3.0	3547	30.42	63	4640	
2	Rectangular Grey		7.8x3.9x3.0	3559	30.42	71	5230	
3	Rectangular Red		7.8x3.9x3.0	3510	30.42	100	7370	
4	Rectangular Grey		7.8x3.9x2.2	2811	30.42	129	9500	
5	Rectangular Grey		7.8x3.9x2.2	2672	30.42	110	8100	
6	Rectangular Red		7.8x3.9x2.2	2821	30.42	94	6930	
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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



Plain and Reinforced Concrete Laboratory

Department of Civil Engineering

University of Engineering and Technology, Lahore

Phone Nos. 042-99029202, 042-99029217

9093

Dr. Aqsa

To: Syed Muhammad Ali

Lattitude Solutions, Lahore

Project: Ground Floor Columns for Bank Al-Habib Branch Building at Zahir Pir Reahim Yar Khan

Our Ref. No. CL/CED/

8806

Dated:

04-09-19

Your Ref. No.

Nil

Dated:

22-08-19

COMPRESSION TEST REPORT

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

Specimens received on:

22-08-19

Tested on:

29-08-19

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	Ground Floor Columns	26	7	2019	6Diax12	12.4	28.28	44	3430	Non Engraved
2	Ground Floor Columns	26	7	2019	6Diax12	12.4	28.28	35	2730	Non Engraved
3	Ground Floor Columns	26	7	2019	6Diax12	12	28.28	34	2650	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

9093

Dr. Aqsa

To: **Syed Muhammad Ali**

Lattitude Solutions, Lahore

Project: Ground Floor Slab Bank Al-Habib Branch Building at Zahir Pir Reahim Yar Khan

Our Ref. No. CL/CED/

8807

Dated:

04-09-19

Your Ref. No.

Nil

Dated:

22-08-19

COMPRESSION TEST REPORT

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

Specimens received on:

22-08-19

Tested on:

29-08-19

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	Ground Floor Slab	8	8	2019	6Diax12	12.4	28.28	15	1170	Engraved
2	Ground Floor Slab	8	8	2019	6Diax12	12.8	28.28	23	1800	Non Engraved
3	Ground Floor Slab	8	8	2019	6Diax12	12.6	28.28	29	2260	Non Engraved
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Department of Civil Engineering
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Phone Nos. 042-99029202, 042-99029217

9096
Dr. Aqsa

To: Muhammad Aslam Siddiqui (Manager C, R & M)
Allied Bank Engineering Cell Multan
Project: Construction of Allied Bank Limited Grain Market, Bahawalnagar Branch (0043)

Our Ref. No. CL/CED/ 8808 Dated: 04-09-19

Your Ref. No. GHQ/S2/Engg.Cell.MTN/MA/2019/583 Dated: 23-08-19

COMPRESSION TEST REPORT

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

Specimens received on: 23-08-19 Tested on: 29-08-19 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	3 0 0 0 Psi	27	7	2019	6Diax12	14	28.28	63	4910	Non Engraved
2	3 0 0 0 Psi	27	7	2019	6Diax12	14	28.28	47	3670	Non Engraved
3	3 0 0 0 Psi	27	7	2019	6Diax12	14	28.28	72	5620	Non Engraved
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supervisor(lab)

Director/Dy. Director Concrete Laboratory



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

9103

To: **Ch. Abdul Ghafoor (Resident Engineer)**

Dr. Umbreen

PEPAC (Pvt.) Ltd. Lahore (M/s Construction Group)

Project: Establishment of Workers Welfare Complex (Phase-1), Adjacent to Sunder Industrial Estate District Kasur (Package A)

Our Ref. No. CL/CED/ 8809 Dated: 04-09-19

Your Ref. No. RE/PEPAC/Sunder/A-193 Dated: 23-08-19

COMPRESSION TEST REPORT

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

Specimens received on: 27-08-19 Tested on: 28-08-19 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
		Day	Month	Year						
1	Slab G/F (A-5)	14	7	2019	6x6x6	8.6	36	67	4170	Engraved
2	Slab G/F (A-5)	14	7	2019	6x6x6	8.4	36	79	4920	Engraved
3	Slab G/F (A-5)	14	7	2019	6x6x6	8.4	36	81	5040	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

9103

Dr. Umbreen

To: Ch. Abdul Ghafoor (Resident Engineer)
PEPAC (Pvt.) Ltd. Lahore (M/s Construction Group)
Project: Establishment of Workers Welfare Complex (Phase-1), Adjacent to Sunder Industrial Estate
District Kasur (Package B)

Our Ref. No. CL/CED/ 8810 Dated: 04-09-19

Your Ref. No. RE/PEPAC/Sunder/B-194 Dated: 23-08-19

COMPRESSION TEST REPORT

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

Specimens received on: 27-08-19 Tested on: 28-08-19 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	Col. F/F (B-2)	17	7	2019	6x6x6	8.8	36	69	4300	Engraved
2	Col. F/F (B-2)	17	7	2019	6x6x6	8.6	36	67	4170	Engraved
3	Col. F/F (B-2)	17	7	2019	6x6x6	8.4	36	73	4550	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

9103

Dr. Umbreen

To: **Ch. Abdul Ghafoor (Resident Engineer)**

PEPAC (Pvt.) Ltd. Lahore (M/s Construction Group)

Project: Establishment of Workers Welfare Complex (Phase-1), Adjacent to Sunder Industrial Estate District Kasur (Package A)

Our Ref. No. CL/CED/ 8811 Dated: 04-09-19

Your Ref. No. RE/PEPAC/Sunder/A-195 Dated: 23-08-19

COMPRESSION TEST REPORT

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

Specimens received on: 27-08-19 Tested on: 28-08-19 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 2nd/F (A-9)	18	7	2019	6x6x6	8.6	36	83	5170	Engraved
2	Slab 2nd/F (A-9)	18	7	2019	6x6x6	8.6	36	90	5600	Engraved
3	Slab 2nd/F (A-9)	18	7	2019	6x6x6	8.4	36	85	5290	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

9103

Dr. Umbreen

To: Ch. Abdul Ghafoor (Resident Engineer)**PEPAC (Pvt.) Ltd. Lahore (M/s Construction Group)****Project: Establishment of Workers Welfare Complex (Phase-1), Adjacent to Sunder Industrial Estate
District Kasur (Package B)**

Our Ref. No. CL/CED/ 8812 Dated: 04-09-19

Your Ref. No. RE/PEPAC/Sunder/B-196 Dated: 23-08-19

COMPRESSION TEST REPORT

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

Specimens received on: 27-08-19 Tested on: 28-08-19 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 2nd/F (B-3)	19	7	2019	6x6x6	8.4	36	78	4860	Engraved
2	Slab 2nd/F (B-3)	19	7	2019	6x6x6	8.6	36	69	4300	Engraved
3	Slab 2nd/F (B-3)	19	7	2019	6x6x6	8.6	36	71	4420	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

9103

Dr. Umbreen

To: **Ch. Abdul Ghafoor (Resident Engineer)**

PEPAC (Pvt.) Ltd. Lahore (M/s Construction Group)

Project: Establishment of Workers Welfare Complex (Phase-1), Adjacent to Sunder Industrial Estate District (Package A)

Our Ref. No. CL/CED/ 8813 Dated: 04-09-19

Your Ref. No. RE/PEPAC/Sunder/A-197 Dated: 23-08-19

COMPRESSION TEST REPORT

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

Specimens received on: 27-08-19 Tested on: 28-08-19 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 2nd/F (A-4)	23	7	2019	6x6x6	8.6	36	43	2680	Engraved
2	Slab 2nd/F (A-4)	23	7	2019	6x6x6	8.6	36	67	4170	Engraved
3	Slab 2nd/F (A-4)	23	7	2019	6x6x6	8.6	36	73	4550	Engraved
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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

9103

Dr. Umbreen

To: Ch. Abdul Ghafoor (Resident Engineer)

PEPAC (Pvt.) Ltd. Lahore (M/s Construction Group)

Project: Establishment of Workers Welfare Complex (Phase-1), Adjacent to Sunder Industrial Estate District Kasur (Package A)

Our Ref. No. CL/CED/ 8814 Dated: 04-09-19

Your Ref. No. RE/PEPAC/Sunder/A-198 Dated: 23-08-19

COMPRESSION TEST REPORT

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

Specimens received on: 27-08-19 Tested on: 28-08-19 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	Col. F/F (A-5)	26	7	2019	6x6x6	8.6	36	90	5600	Engraved
2	Col. F/F (A-5)	26	7	2019	6x6x6	8.8	36	86	5360	Engraved
3	Col. F/F (A-5)	26	7	2019	6x6x6	9	36	94	5850	Engraved
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Director/Dy. Director Concrete Laboratory



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Phone Nos. 042-99029202, 042-99029217

9103

Dr. Umbreen

To: **Ch. Abdul Ghafoor (Resident Engineer)**

PEPAC (Pvt.) Ltd. Lahore (M/s Construction Group)

Project: Establishment of Workers Welfare Complex (Phase-1), Adjacent to Sunder Industrial Estate District Kasur (Package A)

Our Ref. No. CL/CED/ 8815 Dated: 04-09-19

Your Ref. No. RE/PEPAC/Sunder/A-199 Dated: 23-08-19

COMPRESSION TEST REPORT

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

Specimens received on: 27-08-19 Tested on: 28-08-19 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	Col. 3rd/F (A-9)	27	7	2019	6x6x6	8.6	36	84	5230	Engraved
2	Col. 3rd/F (A-9)	27	7	2019	6x6x6	8.4	36	88	5480	Engraved
3	Col. 3rd/F (A-9)	27	7	2019	6x6x6	8.6	36	71	4420	Engraved
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To: **Ch. Abdul Ghafoor (Resident Engineer)**

Dr. Umbreen

PEPAC (Pvt.) Ltd. Lahore (M/s Construction Group)

Project: Establishment of Workers Welfare Complex (Phase-1), Adjacent to Sunder Industrial Estate District Kasur (Package B)

Our Ref. No. CL/CED/ 8816 Dated: 04-09-19

Your Ref. No. RE/PEPAC/Sunder/B-200 Dated: 23-08-19

COMPRESSION TEST REPORT

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

Specimens received on: 27-08-19 Tested on: 28-08-19 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 F/F (B-2)	29	7	2019	6x6x6	8.6	36	77	4800	Engraved
2	Slab F/F (B-2)	29	7	2019	6x6x6	8.6	36	49	3050	Engraved
3	Slab F/F (B-2)	29	7	2019	6x6x6	8.4	36	79	4920	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

* 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

9146

Engr. Aamina

To: **Ch. Abdul Ghafoor (Resident Engineer)**

PEPAC (Pvt.) Ltd. Lahore (M/s Construction Group)

**Project: Establishment of Workers Welfare Complex (Phase-1), Adjacent to Sunder Industrial Estate
District Kasur (Package A)**

Our Ref. No. CL/CED/ 8817 Dated: 04-09-19

Your Ref. No. RE/PEPAC/Sunder/A-205 Dated: 02-09-19

COMPRESSION TEST REPORT

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

Specimens received on: 03-09-19 Tested on: 03-09-19 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	Slab F/F (A-10)	30	7	2019	6x6x6	8.4	36	64	3990	Engraved
2	Slab F/F (A-10)	30	7	2019	6x6x6	8.4	36	59	3680	Engraved
3	Slab F/F (A-10)	30	7	2019	6x6x6	8.4	36	56	3490	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

* 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

9146

Engr. Aamina

To: **Ch. Abdul Ghafoor (Resident Engineer)**

PEPAC (Pvt.) Ltd. Lahore (M/s Construction Group)

Project: Establishment of Workers Welfare Complex (Phase-1), Adjacent to Sunder Industrial Estate District Kasur (Package A)

Our Ref. No. CL/CED/ 8818 Dated: 04-09-19

Your Ref. No. RE/PEPAC/Sunder/A-206 Dated: 02-09-19

COMPRESSION TEST REPORT

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

Specimens received on: 03-09-19 Tested on: 03-09-19 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
		Month	Day	Year						
1	Col. 3rd/F (A-4)	4	8	2019	6x6x6	8.8	36	70	4360	Engraved
2	Col. 3rd/F (A-4)	4	8	2019	6x6x6	8.6	36	76	4730	Engraved
3	Col. 3rd/F (A-4)	4	8	2019	6x6x6	9	36	88	5480	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

* 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

9146

Engr. Aamina

To: Ch. Abdul Ghafoor (Resident Engineer)

PEPAC (Pvt.) Ltd. Lahore (M/s Construction Group)

Project: Establishment of Workers Welfare Complex (Phase-1), Adjacent to Sunder Industrial Estate District (Package A)

Our Ref. No. CL/CED/

8819

Dated:

04-09-19

Your Ref. No.

RE/PEPAC/Sunder/A-207

Dated:

02-09-19

COMPRESSION TEST REPORT

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

Specimens received on:

03-09-19

Tested on:

03-09-19

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	Slab 3rd/F (A-9)	8	8	2019	6x6x6	8.8	36	57	3550	Engraved
2	Slab 3rd/F (A-9)	8	8	2019	6x6x6	9	36	82	5110	Engraved
3	Slab 3rd/F (A-9)	8	8	2019	6x6x6	8.6	36	60	3740	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

* 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

9146

Engr. Aamina

To: **Ch. Abdul Ghafoor (Resident Engineer)**

PEPAC (Pvt.) Ltd. Lahore (M/s Construction Group)

**Project: Establishment of Workers Welfare Complex (Phase-1), Adjacent to Sunder Industrial Estate
District Kasur (Package B)**

Our Ref. No. CL/CED/ 8820 Dated: 04-09-19

Your Ref. No. RE/PEPAC/Sunder/B-208 Dated: 02-09-19

COMPRESSION TEST REPORT

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

Specimens received on: 03-09-19 Tested on: 03-09-19 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
		Month	Day	Year						
1	Slab 3rd/F (B-3)	9	8	2019	6x6x6	9	36	59	3680	Engraved
2	Slab 3rd/F (B-3)	9	8	2019	6x6x6	8.8	36	83	5170	Engraved
3	Slab 3rd/F (B-3)	9	8	2019	6x6x6	9	36	65	4050	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

* 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

9122

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

Engr. Aamina

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

Project: Constt. & Rehab. of at Grade Works Along Lahore Orange Line Metro Train Corridor Package-1 (Section-I) Ring Road to Daroghwal Chowk (Both Side)(Punjab)

Our Ref. No. CL/CED/ 8821 Dated: 04-09-19

Your Ref. No. 4042/13/FAM/Tough-Paver-081 Dated: 01-08-19

COMPRESSION TEST REPORT

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

Specimens received on: 29-08-19 Tested on: 03-09-19 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		7.8x3.9x2.2	2843	30.42	94	6930	
2	Rectangular Grey		7.8x3.9x2.2	2716	30.42	88	6480	
3	Rectangular Grey		7.8x3.9x2.2	2817	30.42	96	7070	
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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



Plain and Reinforced Concrete Laboratory

Department of Civil Engineering

University of Engineering and Technology, Lahore

Phone Nos. 042-99029202, 042-99029217

9105

Dr. Aqsa

To: Rai Muhammad Bilal (Resident Engineer)

CM Div., NESPAK (Pvt.) Ltd. Lahore (M/s Rehman Brothers Construction Co.)

Project: Lahore Rehabilitation of Roads (LDA) Package-III, Main Boulevard Garden Town Kalma Chowk to Barket Market, Lahore

Our Ref. No. CL/CED/ 8822 Dated: 04-09-19

Your Ref. No. 4047-R3/13/RMB/1/3 Dated: 23-08-19

COMPRESSION TEST REPORT

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

Specimens received on: 27-08-19 Tested on: 29-08-19 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		7.8x3.9x3.0	3640	30.42	122	8990	
2	Rectangular Grey		7.8x3.9x3.0	3815	30.42	129	9500	
3	Rectangular Grey		7.8x3.9x3.0	3773	30.42	120	8840	
4	Rectangular Grey		7.8x3.9x3.0	3772	30.42	104	7660	
5	Rectangular Red		7.8x3.9x3.0	3601	30.42	110	8100	
6	Rectangular Red		7.8x3.9x3.0	3594	30.42	108	7960	
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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



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

9109
Dr. Aqsa

To: Maple Construction.
54-C 1, Gulberg III, Lahore.
Project: Nil

Our Ref. No. CL/CED/ 8823 Dated: 04-09-19

Your Ref. No. Nil Dated: 27-08-19

COMPRESSION TEST REPORT

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

Specimens received on: 27-08-19 Tested on: 29-08-19 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
		28	7	2019						
1		28	7	2019	6Diax12	14	28.28	71	5540	Engraved
2										
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departments?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

9109
Dr. Aqsa

To: Maple Construction.
54-C 1, Gulberg III, Lahore.
Project: Nil

Our Ref. No. CL/CED/ 8824 Dated: 04-09-19

Your Ref. No. Nil Dated: 27-08-19

COMPRESSION TEST REPORT

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

Specimens received on: 27-08-19 Tested on: 29-08-19 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
		28	7	2019						
1		28	7	2019	6Diax12	14	28.28	70	5460	Engraved
2										
3										
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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



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

9109
Dr. Aqsa

To: Maple Construction.
54-C 1, Gulberg III, Lahore.
Project: Nil

Our Ref. No. CL/CED/ 8825 Dated: 04-09-19
Your Ref. No. Nil Dated: 27-08-19

COMPRESSION TEST REPORT

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

Specimens received on: 27-08-19 Tested on: 29-08-19 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		29	7	2019	6Diax12	13.8	28.28	64	4990	Engraved
2										
3										
4										
5										
6										
7										
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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

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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

9109
Dr. Aqsa

To: Maple Construction.
54-C 1, Gulberg III, Lahore.
Project: Nil

Our Ref. No. CL/CED/ 8826 Dated: 04-09-19
Your Ref. No. Nil Dated: 27-08-19

COMPRESSION TEST REPORT

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

Specimens received on: 27-08-19 Tested on: 29-08-19 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		29	7	2019	6Diax12	14	28.28	68	5300	Engraved
2										
3										
4										
5										
6										
7										
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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

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**** 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