



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

1413
Dr. Mazar

To: **M/s Quality Constructions & Builders (Pvt.) Ltd.**
Lahore.
Project: Site # 417-D P- 8 (Park View) DHA Lahore.

Our Ref. No. CL/CED/ 4220 Dated: 06-07-21
Your Ref. No. Nil Dated: 15-06-21

COMPRESSION TEST REPORT

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

Specimens received on: 16-06-21 Tested on: 05-07-21 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	Fly Ash SM		9.0x4.4x3.1	3092	39.6	35	1980	
2	Fly Ash SM		9.0x4.4x3.1	3491	39.6	41	2320	
3	Fly Ash SM		9.0x4.4x3.1	2998	39.6	15	850	
4	Fly Ash SM		9.0x4.4x3.1	3053	39.6	16	910	
5	Fly Ash SM		9.0x4.4x3.1	3128	39.6	12	680	
6	Fly Ash MS		9.0x4.4x3.0	3468	39.6	36	2040	
7	Fly Ash MS		9.0x4.4x3.0	3487	39.6	43	2440	
8	Fly Ash MS		9.0x4.4x3.0	3487	39.6	34	1930	
9	Fly Ash MS		9.0x4.4x3.0	3269	39.6	40	2270	
10	Fly Ash MS		9.0x4.4x3.0	3076	39.6	33	1870	
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" 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

1504
Dr. Mazar

To: Mr.M. Furqan (Project Manager)
M/s CM Engineering (Pvt.) Ltd. Lahore.
Project: CMPAK Project Site ID 53145 (ODU PAD+DG PAD)

Our Ref. No. CL/CED/ 4221 Dated: 06-07-21

Your Ref. No. CME/Cubes/CMPAK/726 Dated: 28-06-21

COMPRESSION TEST REPORT

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

Specimens received on: 01-07-21 Tested on: 05-07-21 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	(1:1.5:3)	21	6	2021	6x6x6	8.6	36	94	5850	Non Engraved
2	(1:1.5:3)	21	6	2021	6x6x6	8.8	36	92	5730	Non Engraved
3										
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/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

1504
Dr. Mazar

To: Mr.M. Furqan (Project Manager)
M/s CM Engineering (Pvt.) Ltd. Lahore.
Project: CMPAK Project Site ID 51328 (ODU PAD+DG PAD)

Our Ref. No. CL/CED/ 4222 Dated: 06-07-21

Your Ref. No. CME/Cubes/CMPAK/727 Dated: 29-06-21

COMPRESSION TEST REPORT

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

Specimens received on: 01-07-21 Tested on: 05-07-21 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	(1:1.5:3)	22	6	2021	6x6x6	8.8	36	100	6230	Non Engraved
2	(1:1.5:3)	22	6	2021	6x6x6	8.6	36	90	5600	Non Engraved
3										
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/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

1504

Dr. Mazar

To: **Mr.M. Furqan (Project Manager)**
M/s CM Engineering (Pvt.) Ltd. Lahore.
Project: CMPAK Project Site ID 50686 (RT Columns+ODU+PAD+DG+PAD)

Our Ref. No. CL/CED/ 4223 Dated: 06-07-21

Your Ref. No. CME/Cubes/CMPAK/729 Dated: 28-06-21

COMPRESSION TEST REPORT

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

Specimens received on: 01-07-21 Tested on: 05-07-21 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	(1:1.5:3)	21	6	2021	6x6x6	8.8	36	124	7720	Non Engraved
2	(1:1.5:3)	21	6	2021	6x6x6	8.8	36	96	5980	Non Engraved
3										
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/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

1504

Dr. Mazar

To: Mr.M. Furqan (Project Manager)
M/s CM Engineering (Pvt.) Ltd. Lahore.
Project: CMPAK Project Site ID 52871 (ODU PAD+DG PAD)

Our Ref. No. CL/CED/ 4224 Dated: 06-07-21

Your Ref. No. CME/Cubes/CMPAK/728 Dated: 01-07-21

COMPRESSION TEST REPORT

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

Specimens received on: 01-07-21 Tested on: 05-07-21 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	(1:1.5:3)	24	6	2021	6x6x6	8.4	36	81	5040	Non Engraved
2	(1:1.5:3)	24	6	2021	6x6x6	8.4	36	87	5420	Non Engraved
3										
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

* 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

1511
Dr. Mazar

To: Engr. Umar Malik (Planning & Coordination Engineer)
M/s Ittefaq Building Solutions (Pvt.) Ltd. Lahore.
Project: US 4 Washing Area (Drain Bed)

Our Ref. No. CL/CED/ 4225 Dated: 06-07-21

Your Ref. No. IBS/US4/CL001 Dated: 02-07-21

COMPRESSION TEST REPORT

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

Specimens received on: 02-07-21 Tested on: 05-07-21 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	Drain Bed	30	5	2021	6x6x6	8.8	36	110	6850	Non Engraved
2	Drain Bed	30	5	2021	6x6x6	8.6	36	57	3550	Non Engraved
3	Drain Bed	30	5	2021	6x6x6	8.8	36	90	5600	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/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

1511
Dr. Mazar

To: Engr. Umar Malik (Planning & Coordination Engineer)
M/s Ittefaq Building Solutions (Pvt.) Ltd. Lahore.
Project: US 4 Washing Area (Drain Wall)

Our Ref. No. CL/CED/ 4226 Dated: 06-07-21

Your Ref. No. IBS/US4/CL002 Dated: 02-07-21

COMPRESSION TEST REPORT

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

Specimens received on: 02-07-21 Tested on: 05-07-21 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
		Mo	Da	Yr						
1	Drain Wall	3	6	2021	6x6x6	8.8	36	33	2060	Non Engraved
2	Drain Wall	3	6	2021	6x6x6	9	36	92	5730	Non Engraved
3	Drain Wall	3	6	2021	6x6x6	8.6	36	98	6100	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?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

1510

Dr. Mazar

To: Engr. Tajammal Farooq (Resident Engineer) AZEA

AZ Engineering Associates (Pvt.) Ltd. Lahore. (M/s Classic Paver)

Project: Dualization of Sargodah Mianwali Road (Phase-1) from KM 267.37 to 298.00 L=30.63 KM Group-II, L=16.85 KM in District Mianwali

Our Ref. No. CL/CED/

4227

Dated:

06-07-21

Your Ref. No.

RE/MWI-262

Dated:

22-06-21

COMPRESSION TEST REPORT

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

Specimens received on: 02-07-21 Tested on: 05-07-21 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		7.8x3.9x2.3	2696	30.42	146	10760	
2	Rectangular Grey		7.8x3.9x2.3	2676	30.42	160	11790	
3	Rectangular Grey		7.8x3.9x2.3	2680	30.42	146	10760	
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/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

1510

Dr. Mazar

To: Engr. Tajammal Farooq (Resident Engineer) AZEA

AZ Engineering Associates (Pvt.) Ltd. Lahore. (M/s Classic Paver)

Project: Dualization of Sargodah Mianwali Road (Phase-1) from KM 267.37 to 298.00 L=30.63 KM Group-II, L=16.85 KM in District Mianwali

Our Ref. No. CL/CED/ 4228 Dated: 06-07-21

Your Ref. No. RE/MWI-203 Dated: 30-03-21

COMPRESSION TEST REPORT

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

Specimens received on: 02-07-21 Tested on: 05-07-21 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		6x6x6	7.8	36	96	5980	Cut Cube
2	Kerb Stone		6x6x6	7.4	36	114	7100	Cut Cube
3	Kerb Stone		6x6x6	7.2	36	44	2740	Cut Cube
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/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

1497

Dr. Mazar

To: **Municipal Officer (I&S)**

Municipal Committee Toba Tekh Singh

Project: Improvement of RCC Sewer, Tuff Pavers, Soling , Resoling Gali Kashif Taj Wali Awami Basti T.T. Singh

Our Ref. No. CL/CED/ 4229 Dated: 06-07-21

Your Ref. No. No.451 Dated: 18-06-20

COMPRESSION TEST REPORT

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

Specimens received on: 30-06-21 Tested on: 05-07-21 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		7.8x3.9x2.3	2747	30.42	88	6480	
2	Rectangular Grey		7.8x3.9x2.3	2814	30.42	86	6340	
3	Rectangular Red		7.8x3.8x2.2	2464	29.64	83	6280	
4	Rectangular Red		7.8x3.8x2.2	2766	29.64	98	7410	
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/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