



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

63

Dr. Aqsa

To: **IK Associates**

**Lahore**

**Project: Khaadi Sialkot (Roof Slab and Beams)**

Our Ref. No. CL/CED/ 1133 Dated: 06-11-20

Your Ref. No. Nil Dated: 16-10-20

## COMPRESSION TEST REPORT

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

Specimens received on: 29-10-20 Tested on: 04-11-20 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		8	10	2020	6Diax12	13.8	28.28	76	6020	Non Engraved
2		8	10	2020	6Diax12	13.6	28.28	66	5230	Non Engraved
3		8	10	2020	6Diax12	13.8	28.28	73	5790	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](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

72

To: **Intiaz Ahmed (Assistant Engineer)**

Dr.Mazhar Saleem

**KSK Campus of UET, Lahore**

**Project: Construction of Remaining Works for The Addition of First Block in Mechanical Mechatronics Engineering Department at New (KSK) of UET Lahore**

Our Ref. No.

CL/CED/

1134

Dated:

06-11-20

Your Ref. No.

B&W/A.E/KSK/382

Dated:

28-10-20

## COMPRESSION TEST REPORT

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

Specimens received

on:

29-10-20

Tested on:

02-11-20

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	( 1 : 2 : 4 )	1	10	2020	6x6x6	8.6	36	87	5420	Engraved
2	( 1 : 2 : 4 )	1	10	2020	6x6x6	8.8	36	79	4920	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](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

73

Dr. Aqsa

**To: Assisat Executive Engineer**  
**KBCMA, CVAS,**  
**Narowal**

**Project: Construction of Boundary Wall / Gate Office 1 & 2 and Watch Tower at CVAS, Narowal**  
**(Boundary Wall Along Gate # 2)**

Our Ref. No. CL/CED/ 1135 Dated: 06-11-20

Your Ref. No. AEE/NC/023 Dated: 29-10-20

## COMPRESSION TEST REPORT

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

Specimens received on: 02-11-20 Tested on: 04-11-20 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	6	10	2020	6Diax12	14	28.28	63	4990	Engraved
2	Columns	6	10	2020	6Diax12	14	28.28	65	5150	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](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

73

Dr. Aqsa

To: **Assistat Executive Engineer**

**KBCMA, CVAS, Narowal**

**Project: Construction of Boundary Wall / Gate Office 1 & 2 and Watch Tower at CVAS, Narowal (Boundary Wall Along Gate # 2)**

Our Ref. No. CL/CED/

1136

Dated:

06-11-20

Your Ref. No.

AEE/NC/022

Dated:

29-10-20

## COMPRESSION TEST REPORT

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

Specimens received on:

02-11-20

Tested on:

04-11-20

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	Plinth Beam	30	9	2020	6Diax12	13.4	28.28	74	5870	Engraved
2	Plinth Beam	30	9	2020	6Diax12	13.8	28.28	59	4680	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](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

74

Dr. Aqsa

To: **Hafiz Ozair Ahmad (Deputy Director QCD)**

**WASA, LDA, Lahore (M/s. Ahmad Ali Bhatti Construction SMS-Pvt Ltd.)**

**Project: Tender P&S/25.01/6194 Drainage Arrangement for Sore Point at Lawrence Road and Qainchi, Lahore**

Our Ref. No. CL/CED/ 1137 Dated: 06-11-20

Your Ref. No. QCD/2641-42 Dated: 29-10-20

## COMPRESSION TEST REPORT

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

Specimens received on: 02-11-20 Tested on: 04-11-20 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		23	9	2020	6Diax12	13.8	28.28	63	4990	Engraved
2		23	9	2020	6Diax12	13.8	28.28	49	3890	Engraved
3		23	9	2020	6Diax12	13.2	28.28	47	3730	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](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

76

Dr. Aqsa

To: **Mohammad Aslam (Manager C, R & M)**

**Allied Bank Ltd., Multan**

**Project: Construction of Allied Bank Limited Shah Rukn-E-Alam Branch (0249) (Women Theme & EQMS) (Beams & Slab) ( Ground Floor)**

Our Ref. No. CL/CED/

1138

Dated:

06-11-20

Your Ref. No.

GHQ/S2/CRM/MA/2020

Dated:

28-10-20

## COMPRESSION TEST REPORT

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

Specimens received on:

02-11-20

Tested on:

04-11-20

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	Beam & Slab	4	10	2020	6Diax12	14	28.28	57	4520	Non Engraved
2	Beam & Slab	4	10	2020	6Diax12	14	28.28	57	4520	Non Engraved
3	Beam & Slab	4	10	2020	6Diax12	13.4	28.28	45	3570	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](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

77

Dr. Umbreen

To: **M. Yousaf & Co.**

**Lahore**

**Project: RCC Slab F.F of TCF Secondary School Malloki, Kasur**

Our Ref. No. CL/CED/ 1139 Dated: 06-11-20

Your Ref. No. M.Y/UET/2020 Dated: 01-11-20

## COMPRESSION TEST REPORT

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

Specimens received on: 02-11-20 Tested on: 03-11-20 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	Slab	12	10	2020	6x6x6	8.8	36	110	6850	Engraved
2	Slab	12	10	2020	6x6x6	8.6	36	104	6480	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?RID=testing\\_reports&id=6](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

78

Dr. Aqsa

To: **M. Sohail Anjum (Project Manager)**  
**P-156, Gulberg II, Lahore**  
**Project: Construction of P-156, Gulberg II, Lahore**

Our Ref. No. CL/CED/ 1140 Dated: 06-11-20

Your Ref. No. P-156-162 Dated: 02-11-20

## COMPRESSION TEST REPORT

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

Specimens received on: 02-11-20 Tested on: 04-11-20 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	630 (3000 Psi)	21	10	2020	6Diax12	15	28.28	54	4280	Non Engraved
2	632 (3000 Psi)	21	10	2020	6Diax12	14	28.28	50	3960	Non Engraved
3	633 (3000 Psi)	21	10	2020	6Diax12	14	28.28	61	4840	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"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

78

Dr. Aqsa

To: **M. Sohail Anjum (Project Manager)**  
**P-156, Gulberg II, Lahore**  
**Project: Construction of P-156, Gulberg II, Lahore**

Our Ref. No. CL/CED/ 1141 Dated: 06-11-20

Your Ref. No. P-156-160 Dated: 02-11-20

## COMPRESSION TEST REPORT

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

Specimens received on: 02-11-20 Tested on: 04-11-20 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	593 (4500 Psi)	3	10	2020	6Diax12	14	28.28	79	6260	Non Engraved
2	591 (4500 Psi)	3	10	2020	6Diax12	14.2	28.28	73	5790	Non Engraved
3	595 (4500 Psi)	3	10	2020	6Diax12	14.4	28.28	77	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](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"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

78

Dr. Aqsa

To: **M. Sohail Anjum (Project Manager)**  
**P-156, Gulberg II, Lahore**  
**Project: Construction of P-156, Gulberg II, Lahore**

Our Ref. No. CL/CED/ 1142 Dated: 06-11-20

Your Ref. No. P-156-161 Dated: 02-11-20

## COMPRESSION TEST REPORT

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

Specimens received on: 02-11-20 Tested on: 04-11-20 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	626 (4500 Psi)	21	10	2020	6Diax12	14.2	28.28	69	5470	Non Engraved
2	627 (4500 Psi)	21	10	2020	6Diax12	14.2	28.28	69	5470	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](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**