



# Plain and Reinforced Concrete Laboratory

## Department of Civil Engineering

University of Engineering and Technology, Lahore

Phone Nos. 042-99029202, 042-99029217

220

To: Engr. Muhammad Saleem (Assistant Resident Engineer)

Dr. Mazhar Saleem

M/s AR Engineers

Project: Construction of Jewel-1 Apartment Plaza at Gulberg-3, Lahore (Foundation F-1 & Line A, Basement Slab & Pool Beams From Line B-G/1-5, 2-Basement & 1 GF Columns at GF Line A/1, BF 11/Line B)

Our Ref. No. CL/CED/ 1358 Dated: 09-12-20

Your Ref. No. DOC#ARST-007 Dated: 04-12-20

## COMPRESSION TEST REPORT

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

Specimens received on: 04-12-20 Tested on: 07-12-20 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		22	10	2020	6Diax12	14.2	28.28	47	3730	Engraved
2		22	10	2020	6Diax12	14	28.28	45	3570	Engraved
3		22	10	2020	6Diax12	15	28.28	49	3890	Engraved
4		17	10	2020	6Diax12	14	28.28	33	2620	Non Engraved
5		17	10	2020	6Diax12	14.6	28.28	37	2940	Non Engraved
6		17	10	2020	6Diax12	14.6	28.28	67	5310	Non Engraved
7		24	10	2020	6Diax12	14.6	28.28	84	6660	Non Engraved
8		24	10	2020	6Diax12	14.6	28.28	77	6100	Non Engraved
9		24	10	2020	6Diax12	14.4	28.28	67	5310	Non Engraved
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



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Engr. Ubaid

To: **Sub Divisional Officer**

**Buildings Sub Division No.12, Lahore**

**Project: Construction of Hostels for Students Alongwith Inter Connecting Bridge of Fatima Jinah Medical University Lahore (3rd Floor Slab)**

Our Ref. No. CL/CED/

1359

Dated:

09-12-20

Your Ref. No.

551/SDO12th

Dated:

02-11-20

## COMPRESSION TEST REPORT

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

Specimens received on:

07-12-20

Tested on:

08-12-20

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 )	3	10	2020	6x6x6	8.4	36	37	2310	Non Engraved
2	( 1 : 2 : 4 )	3	10	2020	6x6x6	8.4	36	73	4550	Non Engraved
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										

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**supervisor(lab)**

**Director/Dy. Director Concrete Laboratory**



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Engr. Ubaid

To: **Sub Divisional Officer**

**Buildings Sub Division No.22, Lahore**

**Project: Upgradation and Development of Shrine of Hazrat Bibi Pak Daman, Lahore**

Our Ref. No. CL/CED/

1360

Dated:

09-12-20

Your Ref. No.

579/22nd

Dated:

05-12-20

## COMPRESSION TEST REPORT

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

Specimens received on:

07-12-20

Tested on:

08-12-20

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 Work for Right/Back Side	8	11	2020	6x6x6	8.2	36	73	4550	Engraved
2	Beam Work for Right/Back Side	8	11	2020	6x6x6	8.4	36	66	4110	Engraved
3	Beam Work for Right/Back Side	8	11	2020	6x6x6	8.2	36	69	4300	Engraved
4	Column / Pedestal Work	1	12	2020	6x6x6	8.6	36	79	4920	Engraved
5	Column / Pedestal Work	1	12	2020	6x6x6	8.4	36	75	4670	Engraved
6										
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8										
9										
10										
11										
12										
13										
14										
15										
16										

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Engr. Ubaid

**To: Muhammad Yousaf Javed (Director Projects Civil)**  
**Mecatech (Pvt.) Ltd.**  
**Project: State Bank of Pakistan Sialkot**

Our Ref. No. CL/CED/ 1361 Dated: 09-12-20

Your Ref. No. Nil Dated: 07-12-20

## COMPRESSION TEST REPORT

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

Specimens received on: 07-12-20 Tested on: 08-12-20 in dry/wet condition

Sr. No.	Mark*	Casting Date* /Wet Weight (gms)	Size (in)	Weight (lbs./gms)	Area of X-Section (Sq. in)	Ultimate load (Tons/lbs)	Ultimate Stress (Psi)	Remarks
1	Solid Block		11.9x6.0x8.0	21.2	71.4	61	1920	
2	Solid Block		11.9x6.0x8.0	21	71.4	59	1860	
3	Solid Block		12.0x6.0x8.0	21	72	59	1840	
4								
5								
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11								
12								
13								
14								
15								
16								

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