



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

10549

To: **Bilal Shahid**

Dr. Mazhar Saleem

**Ittefaq Building Solutions (Pvt.) Ltd., Lahore**

**Project: Waste Water Treatment Plant at Ittehad Chemicals Limited at Kala Shah kaku.**

Our Ref. No. CL/CED/ 840 Dated: 17-09-20

Your Ref. No. IBS/LCH/IC12 Dated: 10-09-20

## COMPRESSION TEST REPORT

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

Specimens received on: 14-09-20 Tested on: 17-09-20 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	Tank Footing	28	8	2020	6Diax12	14	28.28	53	4200	Non Engraved
2	Tank Footing	28	8	2020	6Diax12	14	28.28	45	3570	Non Engraved
3	Equalization Tank Wall	23	8	2020	6Diax12	14	28.28	67	5310	Non Engraved
4	Equalization Tank Wall	23	8	2020	6Diax12	14	28.28	49	3890	Non Engraved
5	Tank Slab	25	7	2020	6Diax12	14	28.28	45	3570	Non Engraved
6	Tank Slab	25	7	2020	6Diax12	14	28.28	48	3810	Non Engraved
7	Tank Walls	28	7	2020	6Diax12	14.2	28.28	39	3090	Non Engraved
8	Tank Walls	28	7	2020	6Diax12	13.8	28.28	69	5470	Non Engraved
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**



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10555

To: **Manager C, R&M**

Dr. Mazhar Saleem

**Allied Bank Limited, Engineering Cell, South-II, Multan**

**Project: Construction of Allied Bank Limited Industrial Area Branch & Regional Office, Rahim Yar Khan**

Our Ref. No. CL/CED/ 841 Dated: 17-09-20

Your Ref. No. GHQ/S2/CRM/MA/2020/263 Dated: 15-09-20

## COMPRESSION TEST REPORT

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

Specimens received on: 16-09-20 Tested on: 17-09-20 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	AA ABL	21	8	2020	6Diax12	13.8	28.28	43	3410	Engraved
2	AA ABL	21	8	2020	6Diax12	13.8	28.28	55	4360	Engraved
3	AA ABL	21	8	2020	6Diax12	14	28.28	55	4360	Engraved
4	ABL Column	25	8	2020	6Diax12	13.8	28.28	67	5310	Engraved
5	ABL Column	25	8	2020	6Diax12	14	28.28	59	4680	Engraved
6	ABL Column	25	8	2020	6Diax12	14	28.28	67	5310	Engraved
7	ABL Column	26	8	2020	6Diax12	14	28.28	69	5470	Engraved
8	ABL Column	26	8	2020	6Diax12	14	28.28	67	5310	Engraved
9	ABL Column	26	8	2020	6Diax12	14	28.28	61	4840	Engraved
10	ABL R.C.C Wall	2	9	2020	6Diax12	14	28.28	59	4680	Engraved
11	ABL R.C.C Wall	2	9	2020	6Diax12	13.8	28.28	57	4520	Engraved
12	ABL R.C.C Wall	2	9	2020	6Diax12	13.6	28.28	57	4520	Engraved
13										
14										
15										
16										

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**supervisor(lab)**

**Director/Dy. Director Concrete Laboratory**