



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

150

Dr. Umbreen

To: **Engr. Irfan Ali (Manager: Project)**

**Ittefaq Construction Services, Lahore**

**Project: Construction of Commercial Plaza (42B, 43B, 44B Sector C and 19A) Main Boulevard Bahria Town, Lahore**

Our Ref. No. CL/CED/

1255

Dated:

26-11-20

Your Ref. No.

ICS/H.O/B.T.P/03

Dated:

16-11-20

## COMPRESSION TEST REPORT

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

Specimens received on: 18-11-20      Tested on: 25-11-20      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	Basement Raft & Columns	7	11	2020	6Diax12	13	28.28	51	4040	Engraved
2	Basement Raft & Columns	7	11	2020	6Diax12	13.4	28.28	55	4360	Engraved
3	Basement Raft & Columns	7	11	2020	6Diax12	13.6	28.28	45	3570	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](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

154

Dr. Umbreen

To: **Asif Nadeem Khawar (Resident Engineer)**

**Metroplan-Asian Consulting Engineers (Pvt.) Ltd. JV**

**Project: Resident Construction Supervision for Establishment of 200 Bedded Mother & Child Hospital and Nursing College, District Mianwali**

Our Ref. No. CL/CED/

1256-1 of 2

Dated:

26-11-20

Your Ref. No.

MetroplanAsianJV-Nexus-  
MMCH-RE-564

Dated:

13-11-20

## COMPRESSION TEST REPORT

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

Specimens received on:

19-11-20

Tested on:

25-11-20

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	Lab # 322 (Lab Cured # 1)	21	10	2020	6Diax12	13.8	28.28	57	4520	Non Engraved
2	Lab # 322 (Lab Cured # 2)	21	10	2020	6Diax12	14	28.28	55	4360	Non Engraved
3	Lab # 322 (Lab Cured # 3)	21	10	2020	6Diax12	14	28.28	49	3890	Non Engraved
4	Lab # 322 (Field Cured # 1)	21	10	2020	6Diax12	13.8	28.28	57	4520	Non Engraved
5	Lab # 322 (Field Cured # 2)	21	10	2020	6Diax12	14	28.28	55	4360	Non Engraved
6	Lab # 322 (Field Cured # 3)	21	10	2020	6Diax12	14	28.28	47	3730	Non Engraved
7	Lab # 324 (Lab Cured # 1)	22	10	2020	6Diax12	14	28.28	88	6970	Non Engraved
8	Lab # 324 (Lab Cured # 2)	22	10	2020	6Diax12	14	28.28	81	6420	Non Engraved
9	Lab # 324 (Lab Cured # 3)	22	10	2020	6Diax12	14	28.28	61	4840	Non Engraved
10	Lab # 324 (Field Cured # 1)	22	10	2020	6Diax12	14	28.28	75	5950	Non Engraved
11	Lab # 324 (Field Cured # 2)	22	10	2020	6Diax12	14	28.28	67	5310	Non Engraved
12	Lab # 324 (Field Cured # 3)	22	10	2020	6Diax12	14	28.28	75	5950	Non Engraved
13	Lab # 325 (Lab Cured # 1)	23	10	2020	6Diax12	14	28.28	77	6100	Non Engraved
14	Lab # 325 (Lab Cured # 2)	23	10	2020	6Diax12	14	28.28	73	5790	Non Engraved
15	Lab # 325 (Lab Cured # 3)	23	10	2020	6Diax12	14	28.28	67	5310	Non Engraved
16										

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**Metroplan-Asian Consulting Engineers (Pvt.) Ltd. JV**

**Project: Resident Construction Supervision for Establishment of 200 Bedded Mother & Child Hospital and Nursing College, District Mianwali**

Our Ref. No. CL/CED/

1256-2 of 2

Dated:

26-11-20

Your Ref. No.

MetroplanAsianJV-Nexus-  
MMCH-RE-564

Dated:

13-11-20

## COMPRESSION TEST REPORT

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

Specimens received on:

19-11-20

Tested on:

25-11-20

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)								
16	Lab # 325 (Field Cured # 1)	23	10	2020	6Diax12	14	28.28	61	4840	Non Engraved
17	Lab # 325 (Field Cured # 2)	23	10	2020	6Diax12	14	28.28	71	5630	Non Engraved
18	Lab # 325 (Field Cured # 3)	23	10	2020	6Diax12	14	28.28	67	5310	Non Engraved
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Dr. Umbreen

**To: Tahir Mehmood**  
**Hasnain Builders, Lahore**  
**Project: 3rd Floor Slab at Old City School Gawal Mandi Lahore**

Our Ref. No. CL/CED/ 1257 Dated: 26-11-20

Your Ref. No. Nil Dated: 20-11-20

## COMPRESSION TEST REPORT

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

Specimens received on: 20-11-20 Tested on: 25-11-20 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	3000 Psi	20	10	2020	6Diax12	13.6	28.28	61	4840	Non Engraved
2	3000 Psi	20	10	2020	6Diax12	13.8	28.28	65	5150	Non Engraved
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Dr. Umbreen

To: **Muhammad Aqeel Bhatti (Project Manager)**

**Kingcrete Builders**

**Project: Construction of Cargo Building at Allama Iqbal International Airport Lahore**

Our Ref. No. CL/CED/ 1258 Dated: 26-11-20

Your Ref. No. KB/GD-CB/AHA-LHR/037 Dated: 19-11-20

## COMPRESSION TEST REPORT

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

Specimens received on: 20-11-20 Tested on: 25-11-20 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	3000 Psi	11	10	2020	6Diax12	13.6	28.28	86	6820	Non Engraved
2	3000 Psi	11	10	2020	6Diax12	14	28.28	61	4840	Non Engraved
3	3000 Psi	11	10	2020	6Diax12	14	28.28	84	6660	Non Engraved
4	4000 Psi	29	9	2020	6Diax12	14	28.28	77	6100	Non Engraved
5	4000 Psi	29	9	2020	6Diax12	14	28.28	81	6420	Non Engraved
6	4000 Psi	29	9	2020	6Diax12	14	28.28	61	4840	Non Engraved
7	4000 Psi	11	10	2020	6Diax12	14	28.28	73	5790	Non Engraved
8	4000 Psi	11	10	2020	6Diax12	14	28.28	59	4680	Non Engraved
9	4000 Psi	11	10	2020	6Diax12	14	28.28	59	4680	Non Engraved
10	4000 Psi	15	10	2020	6Diax12	14	28.28	72	5710	Non Engraved
11	4000 Psi	15	10	2020	6Diax12	14	28.28	57	4520	Non Engraved
12	4000 Psi	15	10	2020	6Diax12	14	28.28	92	7290	Non Engraved
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)

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