



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

924

Dr. Ambreen

To: **Mr. Farooq Ashraf (Resident Engineer)**

Metroplan - Asian JV, Site Office MCH, Talagang Road, Sahiwal.

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

Our Ref. No. CL/CED/ 2604 Dated: 27/3/2021

Your Ref. No. MA JV--Nexus- MMCH-RE-777 Dated: 03-05-21

COMPRESSION TEST REPORT

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

Specimens received on: 22/3/2021 Tested on: 25/03/2021 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
		1	2	3						
1	Lab # 481 Lab Cured (4000) Psi	11	2	2021	6Diax12	13.8	28.28	85	6740	Non Engraved
2	Lab # 481 Lab Cured (4000) Psi	11	2	2021	6Diax12	13.8	28.28	75	5950	Non Engraved
3	Lab # 481 Lab Cured (4000) Psi	11	2	2021	6Diax12	13.6	28.28	81	6420	Non Engraved
4	Lab # 481 Field Cured (4000) Psi	11	2	2021	6Diax12	13.4	28.28	75	5950	Non Engraved
5	Lab # 481 Field Cured (4000) Psi	11	2	2021	6Diax12	13.8	28.28	81	6420	Non Engraved
6	Lab # 481 Field Cured (4000) Psi	11	2	2021	6Diax12	13.4	28.28	83	6580	Non Engraved
7	Lab 482 Lab Cured(6000) Psi	13	2	2021	6Diax12	13.8	28.28	86	6820	Non Engraved
8	Lab 482 Lab Cured(6000) Psi	13	2	2021	6Diax12	14	28.28	83	6580	Non Engraved
9	Lab 482 Lab Cured(6000) Psi	13	2	2021	6Diax12	14	28.28	88	6970	Non Engraved
10	Lab 482 Field Cured(6000) Psi	13	2	2021	6Diax12	14	28.28	83	6580	Non Engraved
11	Lab 482 Field Cured(6000) Psi	13	2	2021	6Diax12	14	28.28	71	5630	Non Engraved
12	Lab 482 Field Cured(6000) Psi	13	2	2021	6Diax12	14	28.28	88	6970	Non 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

* 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
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Phone Nos. 042-99029202, 042-99029217

950

Dr. Mazar

To: Mr. Muhammad Shahbaz
Imperium Hospitality (Pvt.) Ltd. Lahore.
Project : Nil

Our Ref. No. CL/CED/ 2606 Dated: 29-03-21

Your Ref. No. IHMP/Con/155 Dated: 24-03-21

COMPRESSION TEST REPORT

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

Specimens received on: 26/3/2021 Tested on: 29-03-21 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	(4000) Psi	23	2	2021	6Diax12	13.4	28.28	55	4360	Non Engraved
2	(4000) Psi	23	2	2021	6Diax12	13.2	28.28	71	5630	Non Engraved
3	(4000) Psi	23	2	2021	6Diax12	13.4	28.28	79	6260	Non Engraved
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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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950
Dr. Mazar

To: Mr. Muhammad Shahbaz
Imperium Hospitality (Pvt.) Ltd. Lahore.
Project : Nil

Our Ref. No. CL/CED/ 2607 Dated: 29-03-21
Your Ref. No. IHMP/Con/156 Dated: 24-03-21

COMPRESSION TEST REPORT

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

Specimens received on: 26/3/2021 Tested on: 29-03-21 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	(8000) Psi	24	2	2021	6Diax12	13.8	28.28	100	7930	Non Engraved
2	(8000) Psi	24	2	2021	6Diax12	14	28.28	92	7290	Non Engraved
3	(8000) Psi	24	2	2021	6Diax12	13.8	28.28	102	8080	Non Engraved
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950
Dr. Mazar

To: Mr. Muhammad Shahbaz
Imperium Hospitality (Pvt.) Ltd. Lahore.
Project : Nil

Our Ref. No. CL/CED/ 2608 Dated: 29-03-21
Your Ref. No. IHMP/Con/157 Dated: 24-03-21

COMPRESSION TEST REPORT

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

Specimens received on: 26/3/2021 Tested on: 29-03-21 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	(4000) Psi	24	2	2021	6Diax12	13.6	28.28	86	6820	Non Engraved
2	(4000) Psi	24	2	2021	6Diax12	13.4	28.28	88	6970	Non Engraved
3	(4000) Psi	24	2	2021	6Diax12	13.2	28.28	86	6820	Non Engraved
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Director/Dy. Director Concrete Laboratory



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936
Dr. Ambreen

To: Mr. Muhammad Shahbaz
Imperium Hospitality (Pvt.) Ltd. Lahore.
Project : Nil

Our Ref. No. CL/CED/ 2609 Dated: 29-03-21

Your Ref. No. IHMP/Con/154 Dated: 24-03-21

COMPRESSION TEST REPORT

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

Specimens received on: 24/3/2021 Tested on: 29-03-21 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	(4000) Psi	22	2	2021	6Diax12	13.2	28.28	47	3730	Non Engraved
2	(4000) Psi	22	2	2021	6Diax12	13.2	28.28	49	3890	Non Engraved
3	(4000) Psi	22	2	2021	6Diax12	13.2	28.28	49	3890	Non Engraved
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* as engraved on the specimens (if any)

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**** ACI318-08 requires mean of two sample (6" diax12" cylinder) strength at 28 days as compressive strength

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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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936

Dr. Ambreen

To: Mr. Muhammad Shahbaz
Imperium Hospitality (Pvt.) Ltd. Lahore.
Project : Nil

Our Ref. No. CL/CED/ 2610 Dated: 29-03-21

Your Ref. No. IHMP/Con/153 Dated: 24-03-21

COMPRESSION TEST REPORT

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

Specimens received on: 24/3/2021 Tested on: 29-03-21 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	(8000) Psi	22	2	2021	6Diax12	13.6	28.28	108	8560	Non Engraved
2	(8000) Psi	22	2	2021	6Diax12	13.4	28.28	104	8240	Non Engraved
3	(8000) Psi	22	2	2021	6Diax12	13.6	28.28	110	8720	Non Engraved
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936

Dr. Ambreen

To: Mr. Muhammad Shahbaz
Imperium Hospitality (Pvt.) Ltd. Lahore.
Project : Nil

Our Ref. No. CL/CED/ 2611 Dated: 29-03-21

Your Ref. No. IHMP/Con/152 Dated: 24-03-21

COMPRESSION TEST REPORT

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

Specimens received on: 24/3/2021 Tested on: 29-03-21 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	(4000) Psi	21	2	2021	6Diax12	13.8	28.28	51	4040	Non Engraved
2	(4000) Psi	21	2	2021	6Diax12	13.8	28.28	51	4040	Non Engraved
3	(4000) Psi	21	2	2021	6Diax12	13.2	28.28	49	3890	Non Engraved
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Director/Dy. Director Concrete Laboratory



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936

Dr. Mazar

To: Mr. Muhammad Shahbaz
Imperium Hospitality (Pvt.) Ltd. Lahore.
Project : Nil

Our Ref. No. CL/CED/ 2612 Dated: 29-03-21

Your Ref. No. IHMP/Con/133 Dated: 09-03-21

COMPRESSION TEST REPORT

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

Specimens received on: 24/3/2021 Tested on: 29-03-21 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	(4000) Psi	20	2	2021	6Diax12	13	28.28	73	5790	Non Engraved
2	(4000) Psi	20	2	2021	6Diax12	13.4	28.28	79	6260	Non Engraved
3	(4000) Psi	20	2	2021	6Diax12	13.2	28.28	77	6100	Non Engraved
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Director/Dy. Director Concrete Laboratory



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Phone Nos. 042-99029202, 042-99029217

936

Dr. Mazar

To: Mr. Muhammad Shahbaz
Imperium Hospitality (Pvt.) Ltd. Lahore.
Project : Nil

Our Ref. No. CL/CED/ 2613 Dated: 29-03-21

Your Ref. No. IHMP/Con/151 Dated: 24-03-21

COMPRESSION TEST REPORT

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

Specimens received on: 24/3/2021 Tested on: 29-03-21 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
		1	2	3						
1	(8000) Psi	21	2	2021	6Diax12	14	28.28	102	8080	Non Engraved
2	(8000) Psi	21	2	2021	6Diax12	14	28.28	128	10140	Non Engraved
3	(8000) Psi	21	2	2021	6Diax12	14	28.28	124	9830	Non Engraved
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supervisor(lab)

Director/Dy. Director Concrete Laboratory