Plain and Reinforced Concrete Laboratory
Civil Engineering Department
University of Engineering and Technology, Lahore. Pakistan
Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL
A carbon copy for the report has been retained in the lab for record.

7246
Dr. M. Yousaf

To: Engineer's Representative
Metroplan-Asian JV Site Office JIC-JHL, Lahore. Asian Consulting Engineers Pvt. Ltd.

Project: Establishment of Jinnah Institute of Cardiology at Jinnah Hospital Lahore. (Contractor: M/s CCECC-SALMAN JV). (OPC Fauji Cement Fast SP 910)

Our Ref. No. CL/CED/ 5008-1 of 2 Dated: 03/06/2024 Test Specification

Your Ref. No. Metroplan-Asian JV JIC-JHL-RE-204-2024 Dated: 31/05/2024 (ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 31/05/2024 Tested on: 03/06/2024 in dry/wet condition

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
1	Plant Trial (3000 Psi)	3	5	2024	6Diax12	---	13.8	28.28	57	4515	---	Non Engraved
2	Plant Trial (3000 Psi)	3	5	2024	6Diax12	---	13.4	28.28	56	4436	---	Non Engraved
3	Plant Trial (3000 Psi)	3	5	2024	6Diax12	---	13.6	28.28	57	4515	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Nil

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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
Civil Engineering Department
University of Engineering and Technology, Lahore. Pakistan
Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL
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7246
Dr. M. Yousaf

To: Engineer's Representative
Metroplan-Asian JV Site Office JIC-JHL, Lahore. Asian Consulting Engineers Pvt. Ltd.

Project: Establishment of Jinnah Institute of Cardialogy at Jinnah Hospital Lahore. (Contractor: M/s CCECC-SALMAN JV)

Our Ref. No. CL/CED/ 5008-2 of 2 Dated: 03/06/2024 Test Specification

Your Ref. No. Metroplan-Asian JV JIC-JHL-RE-204-2024 Dated: 31/05/2024 (----)

COMPRESSION TEST REPORT

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

Specimens received on: 31/05/2024 Tested on: 03/06/2024 in dry/wet condition

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
1	Hollow Block	---	---	---	16.5x8.0x8.4	---	31.2	79.28	112	3164	---	---
2	Hollow Block	---	---	---	16.5x8.0x8.5	---	33	79.28	146	4125	---	---
3	Hollow Block	---	---	---	16.5x8.0x8.4	---	33	79.28	117	3306	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Nil

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as compresssive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)

2.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
Civil Engineering Department
University of Engineering and Technology, Lahore. Pakistan
Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL
A carbon copy for the report has been retained in the lab for record.

7247
Dr. Umbreen

To: Mr. M. Ashraf Javed
Project Incharge, Ijaz Apparel (Pvt) Ltd. 31 Km Ferozpur Road, Lahore.

Project: Ijaz Apparel (Pvt) Ltd. 31 Km Ferozpur Road, Lahore.

Our Ref. No. CL/CED/ 5009 Dated: 03/06/2024 Test Specification

Your Ref. No. SM-SECOND FLOOR COLUMN'S Dated: 30/05/2024 (ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 03/06/2024 Tested on: 03/06/2024 in dry/wet condition

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
1	(5000 Psi)	21	5	2024	6Diax12	---	14	28.28	94	7446	---	Non Engraved
2	(5000 Psi)	21	5	2024	6Diax12	---	14	28.28	78	6178	---	Non Engraved
3	(5000 Psi)	21	5	2024	6Diax12	---	13.8	28.28	99	7842	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Nil

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as compresssive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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
Civil Engineering Department
University of Engineering and Technology, Lahore. Pakistan
Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL
A carbon copy for the report has been retained in the lab for record.

7247
Dr. Umbreen

To: Mr. M. Ashraf Javed
Project Incharge, Ijaz Apparel (Pvt) Ltd. 31 Km Ferozpur Road, Lahore.

Project: Ijaz Apparel (Pvt) Ltd. 31 Km Ferozpur Road, Lahore.

Our Ref. No. CL/CED/ 5010 Dated: 03/06/2024 Test Specification

Your Ref. No. SM-FIRST FLOOR LANTOR+BEAMS Dated: 30/05/2024 (ASTM C39)

COMPRESSION TEST REPORT

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

Specimens received on: 03/06/2024 Tested on: 03/06/2024 in dry/wet condition

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
1	(3000 Psi)	20	5	2024	6Diax12	---	13.2	28.28	68	5386	---	Non Engraved
2	(3000 Psi)	20	5	2024	6Diax12	---	13.6	28.28	64	5069	---	Non Engraved
3	(3000 Psi)	20	5	2024	6Diax12	---	13.6	28.28	54	4277	---	Non Engraved
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Witnessed by: Nil

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as compresssive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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
Civil Engineering Department
University of Engineering and Technology, Lahore. Pakistan
Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL
A carbon copy for the report has been retained in the lab for record.

7244
Dr. M. Yousaf

To: Mr. Muhammad Atif Khalil
Project Manager, Banu Mukhtar Contracting (Pvt.) Ltd.

Project: Construction of Burj-1 by Ajwa Builders. (Main Building 2nd Floor Zone-02). (Slab Pour-01, Grids # B~H/6'~9)

Our Ref. No. CL/CED/ 5011 Dated: 03/06/2024 Test Specification

Your Ref. No. DOC-BMC/AJWA/158 Dated: 31/05/2024 (ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 31/05/2024 Tested on: 03/06/2024 in dry/wet condition

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
1	(4000 Psi)	30	4	2024	6Diax12	---	14.2	28.28	65	5149	---	Non Engraved
2	(4000 Psi)	30	4	2024	6Diax12	---	13.2	28.28	65	5149	---	Non Engraved
3	(4000 Psi)	30	4	2024	6Diax12	---	14	28.28	70	5545	---	Non Engraved
4	(4000 Psi)	30	4	2024	6Diax12	---	14	28.28	67	5307	---	Non Engraved
5	(4000 Psi)	30	4	2024	6Diax12	---	14	28.28	61	4832	---	Non Engraved
6	(4000 Psi)	30	4	2024	6Diax12	---	13.8	28.28	71	5624	---	Non Engraved
7	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Nil

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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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ORIGINAL
A carbon copy for the report has been retained in the lab for record.

7244
Dr. M. Yousaf

To: Mr. Muhammad Atif Khalil
Project Manager, Banu Mukhtar Contracting (Pvt.) Ltd.

Project: Construction of Burj-1 by Ajwa Builders. (Main Building 2nd Floor Zone-01 & 02). (Slab Pour-02, Grids # B ~ D'/2~6)

Our Ref. No. CL/CED/ 5012 Dated: 03/06/2024 Test Specification

Your Ref. No. DOC-BMC/AJWA/156 Dated: 31/05/2024 (ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 31/05/2024 Tested on: 03/06/2024 in dry/wet condition

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
1	(4000 Psi)	18	5	2024	6Diax12	---	14	28.28	48	3802	---	Non Engraved
2	(4000 Psi)	18	5	2024	6Diax12	---	14	28.28	58	4594	---	Non Engraved
3	(4000 Psi)	18	5	2024	6Diax12	---	14	28.28	47	3723	---	Non Engraved
4	(4000 Psi)	18	5	2024	6Diax12	---	14	28.28	49	3881	---	Non Engraved
5	(4000 Psi)	18	5	2024	6Diax12	---	14.4	28.28	57	4515	---	Non Engraved
6	---	---	---	---	---	---	---	---	---	---	---	---
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Witnessed by: Nil

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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
Civil Engineering Department
University of Engineering and Technology, Lahore. Pakistan
Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL
A carbon copy for the report has been retained in the lab for record.

7244
Dr. M. Yousaf

To: Mr. Muhammad Atif Khalil
Project Manager, Banu Mukhtar Contracting (Pvt.) Ltd.

Project: Construction of Burj-1 by Ajwa Builders. (Main Building 3rd Floor Zone-02). (Column # 03Nos. Grids B'/9, B'/7', H'/7)

Our Ref. No. CL/CED/ 5013 Dated: 03/06/2024 Test Specification

Your Ref. No. DOC-BMC/AJWA/157 Dated: 31/05/2024 (ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 31/05/2024 Tested on: 03/06/2024 in dry/wet condition

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
1	(6000 Psi)	20	5	2024	6Diax12	---	13.4	28.28	74	5861	---	Non Engraved
2	(6000 Psi)	20	5	2024	6Diax12	---	13.4	28.28	52	4119	---	Non Engraved
3	(6000 Psi)	20	5	2024	6Diax12	---	14	28.28	68	5386	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Nil

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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
Civil Engineering Department
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Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

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A carbon copy for the report has been retained in the lab for record.

7244
Dr. M. Yousaf

To: Mr. Muhammad Atif Khalil
Project Manager, Banu Mukhtar Contracting (Pvt.) Ltd.

Project: Construction of Burj-1 by Ajwa Builders. (Main Building 3rd Floor Zone-01 & 02). (Column # 8Nos. Grids B'/3,C,D/4,5,6,C/3)

Our Ref. No. CL/CED/ 5014 Dated: 03/06/2024 Test Specification

Your Ref. No. DOC-BMC/AJWA/159 Dated: 31/05/2024 (ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 31/05/2024 Tested on: 03/06/2024 in dry/wet condition

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
1	(6000 Psi)	24	5	2024	6Diax12	---	13.2	28.28	63	4990	---	Non Engraved
2	(6000 Psi)	24	5	2024	6Diax12	---	13.4	28.28	76	6020	---	Non Engraved
3	(6000 Psi)	24	5	2024	6Diax12	---	14	28.28	73	5782	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
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11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Nil

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** 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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
2.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
Civil Engineering Department
University of Engineering and Technology, Lahore. Pakistan
Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL
A carbon copy for the report has been retained in the lab for record.

7239
Dr. Umbreen

To: Mr. M. Shahbaz Ahmed
Project Manager, Enaara Developers (Pvt) Ltd.

Project: Nil

Our Ref. No. CL/CED/ 5015 **Dated:** 03/06/2024 **Test Specification**

Your Ref. No. Nil **Dated:** 30/05/2024 (ASTM C39)

COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 31/05/2024 **Tested on:** 03/06/2024 **in dry/wet condition**

Sr. No.	Mark*	Casting Date* DD	MM	YYYY	Size (in)	Wet Weight (Kg/ gms)	Dry Weight (Kg/ gms)	Area of X-Section (Sq. in)	Ultimate load (Imp.Tons)	Ultimate Stress (psi)	Water Absorption (%)	Remarks
1	(4000 Psi)	22	5	2024	6Diax12	---	13.8	28.28	62	4911	---	Non Engraved
2	(4000 Psi)	22	5	2024	6Diax12	---	13.8	28.28	60	4752	---	Non Engraved
3	(4000 Psi)	22	5	2024	6Diax12	---	14	28.28	66	5228	---	Non Engraved
4	---	---	---	---	---	---	---	---	---	---	---	---
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12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---

Witnessed by: Nil

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Supervisor (Lab) **Director/Dy. Director Concrete Laboratory**