# 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.

6139
Dr. Aqsa

**To:** Engr. Muddasir Tahir
Project Manager, Halmore Properties Pvt. Ltd

**Project: Construction of Halmore Apartments at Plot No. 11, Block B3, Gulberg-III, Tipu Road, Lahore.**

**Our Ref. No. CL/CED/ 3349** **Dated: 31-10-23** **Test Specification**

**Your Ref. No. HPPL/QC/STR002** **Dated: Nil** **( ASTM C39 )**

# COMPRESSION TEST REPORT

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

**Specimens received on:** 25/10/2023 **Tested on:** 31-10-23 **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 | Unimix (4500 Psi) | 11 | 10 | 2023 | 6Diax12 | --- | 13.8 | 28.28 | 44 | 3485 | --- | Non Engraved |
| 2 | Unimix (4500 Psi) | 11 | 10 | 2023 | 6Diax12 | --- | 13.8 | 28.28 | 51 | 4040 | --- | Non Engraved |
| 3 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 7 | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

**Witnessed by:**

**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 comprerssive 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**
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6139
Dr. Aqsa

**To:** Engr. Muddasir Tahir
Project Manager, Halmore Properties Pvt. Ltd

**Project:** Construction of Halmore Apartments at Plot No. 11, Block B3, Gulberg-III, Tipu Road, Lahore.

Our Ref. No. CL/CED/ 3350 Dated: 31-10-23 **Test Specification**

Your Ref. No. HPPL/QC/STR002 Dated: Nil ( ASTM C39 )

# COMPRESSION TEST REPORT

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

**Specimens received on:** 25/10/2023 **Tested on:** 31-10-23 **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 | Unimix (5500 Psi) | 18 | 9 | 2023 | 6Diax12 | --- | 13.8 | 28.28 | 62 | 4911 | --- | Non Engraved |
| 2 | Unimix (5500 Psi) | 18 | 9 | 2023 | 6Diax12 | --- | 13.6 | 28.28 | 56 | 4436 | --- | Non Engraved |
| 3 | Unimix (5500 Psi) | 18 | 9 | 2023 | 6Diax12 | --- | 13.6 | 28.28 | 60 | 4752 | --- | Non Engraved |
| 4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 7 | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

**Witnessed by:**

**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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5905
Dr. Aqsa

**To:** Mr. Muhammad Irfan
Material Engineer, Banu Mukhtar Contracting (Pvt.) Ltd.

Project: Burj-1 by AJWA Builders. (Main Building B/2 Zone # 02)

Our Ref. No. CL/CED/ 3351 Dated: 31-10-23

Your Ref. No. DOC-BMC/AJWA/105 Dated: 14-09-23

**Test Specification**
( ASTM C39 )

# COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 14-09-23 Tested on: 31-10-23 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 | Col # 04, Grids # F~G/6 (6000 Psi) | 16 | 8 | 2023 | 6Diax12 | --- | 14 | 28.28 | 106 | 8396 | --- | Non Engraved |
| 2 | Col # 04, Grids # F~G/6 (6000 Psi) | 16 | 8 | 2023 | 6Diax12 | --- | 14.2 | 28.28 | 98 | 7762 | --- | Non Engraved |
| 3 | Col#02 Grids# D/6, C/7 (6000 Psi) | 16 | 8 | 2023 | 6Diax12 | --- | 14.4 | 28.28 | 103 | 8158 | --- | Non Engraved |
| 4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 6 | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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)
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**Supervisor (Lab)** **Director/Dy. Director Concrete Laboratory**

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**ORIGINAL**
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6146
Dr. Aqsa

**To:** Mr. Nauman Mustafa
Project Director, Punjab Industrial Estates Development and Management Company.

Project: Rehabilitation and Strengthening Works at RCC Structure Inside the Reservoir Overhead Water Tank at Rahim Yar Khan Industrial Estate (RIE) Rahim Yar Khan.

Our Ref. No. CL/CED/ 3352 Dated: 31-10-23

Your Ref. No. PIE/PD/RIE/2228 Dated: 25-10-23

**Test Specification**
( ASTM C39 )

# COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 26-10-23 Tested on: 31-10-23 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 | Plain Concrete Cylinder | 27 | 9 | 2023 | 6Diax12 | --- | 14 | 28.28 | 70 | 5545 | --- | Non Engraved |
| 2 | Plain Concrete Cylinder | 27 | 9 | 2023 | 6Diax12 | --- | 14.4 | 28.28 | 69 | 5465 | --- | Non Engraved |
| 3 | CFRP Wrapped Concrete Cylinder | 27 | 9 | 2023 | 6Diax12 | --- | 14.4 | 28.28 | 98 | 7762 | --- | Non Engraved |
| 4 | CFRP Wrapped Concrete Cylinder | 27 | 9 | 2023 | 6Diax12 | --- | 14.8 | 28.28 | 96 | 7604 | --- | Non Engraved |
| 5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 6 | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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
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**Supervisor (Lab)** **Director/Dy. Director Concrete Laboratory**

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**ORIGINAL**
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6145
Dr. Aqsa

**To:** Mr. Nasir Mehmood
Construction Manager, Elite Engineering Pvt. Ltd.

**Project:** WB-10-B Extension Works at 220 KVA University Grid Station Bhara Kahu, Islamabad.

Our Ref. No. CL/CED/ 3353 Dated: 31-10-23

Your Ref. No. EEPL/09/EL-06 Dated: 26-10-23

**Test Specification**
( ASTM C39 )

# COMPRESSION TEST REPORT

ONLINE REPORT

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

**Specimens received on:** 26-10-23 **Tested on:** 31-10-23 **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 | Ganty Foundation F07A | 18 | 9 | 2023 | 6Diax12 | --- | 14.6 | 28.28 | 55 | 4356 | --- | Non Engraved |
| 2 | Ganty Foundation F07A | 18 | 9 | 2023 | 6Diax12 | --- | 14.4 | 28.28 | 70 | 5545 | --- | Non Engraved |
| 3 | Ganty Foundation F07A | 18 | 9 | 2023 | 6Diax12 | --- | 14.2 | 28.28 | 58 | 4594 | --- | Non Engraved |
| 4 | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 6 | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16 | --- | | | | | --- | --- | --- | --- | --- | --- | --- |

**Witnessed by: (Mr. Naveed Iqbal, Elite Company), (Mr. Sohab Ali, NESPAK), (Mr. Shaheer Shahbaz, Siemens)**

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

# Plain and Reinforced Concrete Laboratory
## Civil Engineering Department
University of Engineering and Technology, Lahore. Pakistan
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**ORIGINAL**
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6141
Dr. Aqsa

**To:** Mr. Tayyaab Shahzad
Project Manager, Fantasy Builders & Developers LLP.

**Project:** Construction of Fantasy Plaza, Dream Garden, Lahore.

Our Ref. No. CL/CED/ 3354 Dated: 31-10-23

Your Ref. No. Nil Dated: 25-10-23

**Test Specification**
( ASTM C39 )

# COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 26-10-23 Tested on: 31-10-23 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 | 10 | 2023 | 6Diax12 | --- | 14 | 28.28 | 48 | 3802 | --- | Non Engraved |
| 2 | (4000 Psi) | 18 | 10 | 2023 | 6Diax12 | --- | 15 | 28.28 | 60 | 4752 | --- | Non Engraved |
| 3 | (4000 Psi) | 18 | 10 | 2023 | 6Diax12 | --- | 14 | 28.28 | 48 | 3802 | --- | Non Engraved |
| 4 | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 6 | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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

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

# Plain and Reinforced Concrete Laboratory
## Civil Engineering Department
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**ORIGINAL**
A carbon copy for the report has been retained in the lab for record.

6167
Dr. Aqsa

**To:** Manager, ABL-UML P-199 & 200
Allied Bank

**Project:** Construction of ABL Upper Mall Lahore Plot No. 199 & 200

Our Ref. No. CL/CED/ 3355 Dated: 31-10-23

Your Ref. No. ABL-UML-AMC-QAQC-41 Dated: 30-10-23

**Test Specification**
( ASTM C39 )

# COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 30-10-23 Tested on: 31-10-23 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 | Mark 208 | 2 | 10 | 2023 | 6Diax12 | --- | 15 | 28.28 | 118 | 9347 | --- | Non Engraved |
| 2 | Mark 209 | 2 | 10 | 2023 | 6Diax12 | --- | 14.4 | 28.28 | 128 | 10139 | --- | Non Engraved |
| 3 | Mark 210 | 2 | 10 | 2023 | 6Diax12 | --- | 15 | 28.28 | 134 | 10614 | --- | Non Engraved |
| 4 | Mark 214 | 2 | 10 | 2023 | 6Diax12 | --- | 14.6 | 28.28 | 134 | 10614 | --- | Non Engraved |
| 5 | Mark 215 | 2 | 10 | 2023 | 6Diax12 | --- | 15 | 28.28 | 135 | 10693 | --- | Non Engraved |
| 6 | Mark 216 | 2 | 10 | 2023 | 6Diax12 | --- | 14 | 28.28 | 115 | 9109 | --- | Non Engraved |
| 7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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
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**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


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

6158
Dr. Aqsa

**To:** Project Director-II
LDA, Lahore

**Project:** Construction of Orange Line Metro Train Project (Package-II) Chouburgi to Ali Town - Reconstruction of Jamia Masjid Muhammadia (Qadeem), Lake Road, Lahore

Our Ref. No. CL/CED/ 3356 Dated: 31-10-23 **Test Specification**

Your Ref. No. PD-II/LDA/150 Dated: 23-10-23 ( ASTM C39 )

# COMPRESSION TEST REPORT

ONLINE REPORT

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

**Specimens received on:** 30-10-23 **Tested on:** 31-10-23 **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 | Raft Foundation (1:2:4) | 15 | 10 | 2023 | 6Diax12 | --- | 13.8 | 28.28 | 62 | 4911 | --- | Non Engraved |
| 2 | Raft Foundation (1:2:4) | 15 | 10 | 2023 | 6Diax12 | --- | 14 | 28.28 | 54 | 4277 | --- | Non Engraved |
| 3 | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4 | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5 | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 6 | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 comprerssive 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**