



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.

170
 Prof Asif Hameed

To: Resident Engineer
 Al-Imam Enterprises (Pvt) Ltd
Project: Construction of Zonal Office Building of Bank Al Habib Limited, Main Boulevard Gulberg, Lahore (Civil & Structure Works Package)
 Our Ref. No. CL/CED/ 9470 Dated: 17/9/2025
 Your Ref. No. AIM/BAHL/0925/1709 Dated: 17/9/2025

Test Specification
 (ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 17/9/2025 Tested on: 17/9/2025 in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | 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 |
|---------|----------|---------------|-----|------|--------------|-------------------------|-------------------------|-------------------------------|-----------------------------|--------------------------|----------------------|--------------|
| | | DD | MM | YYYY | | | | | | | | |
| 1 | 8000 Psi | 10 | 9 | 2025 | 6Diax12 | --- | 14 | 28.28 | 64 | 5069 | --- | Non Engraved |
| 2 | 8000 Psi | 10 | 9 | 2025 | 6Diax12 | --- | 14 | 28.28 | 76 | 6020 | --- | Non Engraved |
| 3 | 8000 Psi | 10 | 9 | 2025 | 6Diax12 | --- | 14 | 28.28 | 70 | 5545 | --- | Non Engraved |
| 4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

Witnessed by: CNIC 35201-4912040-5

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

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

ORIGINAL
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148
 Dr. Aqsa

To: Mr. Faisal Bhatti
 PM, Ittefaq Building Solutions (Pvt) Ltd

Project: Haider Saeed Commercial Plaza Lahore

Our Ref. No. CL/CED/ 9471

Dated: 17/9/2025

Test Specification

Your Ref. No. Nil

Dated: 15/9/2025

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 15/9/2025 Tested on: 17/9/2025 in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | 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 |
|---------|-----------------------|---------------|-----|------|--------------|-------------------------|-------------------------|-------------------------------|-----------------------------|--------------------------|----------------------|--------------|
| | | DD | MM | YYYY | | | | | | | | |
| 1 | F/F Slab (3000 Psi) | 9 | 8 | 2025 | 6Diax12 | --- | 13 | 28.28 | 43 | 3406 | --- | Non Engraved |
| 2 | F/F Slab (3000 Psi) | 9 | 8 | 2025 | 6Diax12 | --- | 13.8 | 28.28 | 53 | 4198 | --- | Non Engraved |
| 3 | 2nd/F Slab (3000 Psi) | 30 | 8 | 2025 | 6Diax12 | --- | 13.2 | 28.28 | 56 | 4436 | --- | Non Engraved |
| 4 | 2nd/F Slab (3000 Psi) | 30 | 8 | 2025 | 6Diax12 | --- | 13.4 | 28.28 | 56 | 4436 | --- | Non Engraved |
| 5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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Witnessed by:

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

- * 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
- **** AC1318-08 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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Director/Dy. Director Concrete Laboratory



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Civil Engineering Department
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 Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL
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152
 Dr. Aqsa

To: Resident Engineer
 Construction of Autism School, Lhr., Mascon Associates Pvt Ltd & HA Consulting

Project: Construction & Establishment of Autism School, Lahore (OHWT Beams over 3rd Lift Concrete)

Our Ref. No. CL/CED/ 9472

Dated: 17/9/2025

Test Specification

Your Ref. No. HAC-MAC/24/CEAS/Lab/0049

Dated: 01/07/2025

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 16/9/2025 Tested on: 17/9/2025 in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | 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 |
|---------|-----------------------|---------------|-----|------|--------------|-------------------------|-------------------------|-------------------------------|-----------------------------|--------------------------|----------------------|--------------|
| | | DD | MM | YYYY | | | | | | | | |
| 1 | OHWT Beams (3000 Psi) | 3 | 6 | 2025 | 6Diax12 | --- | 14.4 | 28.28 | 59 | 4673 | --- | Non Engraved |
| 2 | OHWT Beams (3000 Psi) | 3 | 6 | 2025 | 6Diax12 | --- | 13.6 | 28.28 | 66 | 5228 | --- | Non Engraved |
| 3 | OHWT Beams (3000 Psi) | 3 | 6 | 2025 | 6Diax12 | --- | 13.2 | 28.28 | 66 | 5228 | --- | Non Engraved |
| 4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

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

- * 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
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ORIGINAL
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152
 Dr. Aqsa

To: Resident Engineer
 Construction of Autism School, Lhr., Mascon Associates Pvt Ltd & HA Consulting

Project: Construction & Establishment of Autism School, Lahore (OHWT Columns Concrete 4th Lift)

Our Ref. No. CL/CED/ 9473

Dated: 17/9/2025

Test Specification

Your Ref. No. HAC-MAC/24/CEAS/Lab/0050

Dated: 20/7/2025

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 16/9/2025 Tested on: 17/9/2025 in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | 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 |
|---------|-------------------------|---------------|-----|------|--------------|-------------------------|-------------------------|-------------------------------|-----------------------------|--------------------------|----------------------|--------------|
| | | DD | MM | YYYY | | | | | | | | |
| 1 | OHWT Columns (3000 Psi) | 22 | 6 | 2025 | 6Diax12 | --- | 13.4 | 28.28 | 47 | 3723 | --- | Non Engraved |
| 2 | OHWT Columns (3000 Psi) | 22 | 6 | 2025 | 6Diax12 | --- | 13.2 | 28.28 | 60 | 4752 | --- | Non Engraved |
| 3 | OHWT Columns (3000 Psi) | 22 | 6 | 2025 | 6Diax12 | --- | 13.2 | 28.28 | 54 | 4277 | --- | Non Engraved |
| 4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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- * 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
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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)
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ORIGINAL
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152
 Dr. Aqsa

To: Resident Engineer
 Construction of Autism School, Lhr., Mascon Associates Pvt Ltd & HA Consulting

Project: Construction & Establishment of Autism School, Lahore (Mumty Floor Columns & Stairs Concrete)

Our Ref. No. CL/CED/ 9474

Dated: 17/9/2025

Test Specification

Your Ref. No. HAC-MAC/24/CEAS/Lab/0051

Dated: 21/7/2025

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 16/9/2025 Tested on: 17/9/2025 in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | 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 |
|---------|-----------------------------|---------------|-----|------|--------------|-------------------------|-------------------------|-------------------------------|-----------------------------|--------------------------|----------------------|--------------|
| | | DD | MM | YYYY | | | | | | | | |
| 1 | Mumty Floor Col. (3000 Psi) | 23 | 6 | 2025 | 6Diax12 | --- | 13.6 | 28.28 | 72 | 5703 | --- | Non Engraved |
| 2 | Mumty Floor Col. (3000 Psi) | 23 | 6 | 2025 | 6Diax12 | --- | 13 | 28.28 | 64 | 5069 | --- | Non Engraved |
| 3 | Mumty Floor Col. (3000 Psi) | 23 | 6 | 2025 | 6Diax12 | --- | 14 | 28.28 | 64 | 5069 | --- | Non Engraved |
| 4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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- ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
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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)
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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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152
 Dr. Aqsa

To: Resident Engineer
 Construction of Autism School, Lhr., Mascon Associates Pvt Ltd & HA Consulting

Project: Construction & Establishment of Autism School, Lahore (1st Floor PCC Flooring Concrete)

Our Ref. No. CL/CED/ 9475

Dated: 17/9/2025

Test Specification

Your Ref. No. HAC-MAC/24/CEAS/Lab/0052

Dated: 24/7/2025

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 16/9/2025 Tested on: 17/9/2025 in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | 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 |
|---------|-------------------------|---------------|-----|------|--------------|-------------------------|-------------------------|-------------------------------|-----------------------------|--------------------------|----------------------|--------------|
| | | DD | MM | YYYY | | | | | | | | |
| 1 | PCC Flooring (3000 Psi) | 26 | 6 | 2025 | 6Diax12 | --- | 14 | 28.28 | 70 | 5545 | --- | Non Engraved |
| 2 | PCC Flooring (3000 Psi) | 26 | 6 | 2025 | 6Diax12 | --- | 14 | 28.28 | 73 | 5782 | --- | Non Engraved |
| 3 | PCC Flooring (3000 Psi) | 26 | 6 | 2025 | 6Diax12 | --- | 14 | 28.28 | 62 | 4911 | --- | Non Engraved |
| 4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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152
 Dr. Aqsa

To: Resident Engineer
 Construction of Autism School, Lhr., Mascon Associates Pvt Ltd & HA Consulting

Project: Construction & Establishment of Autism School, Lahore (Slab, 2nd Floor over Stairs, Concrete)

Our Ref. No. CL/CED/ 9476

Dated: 17/9/2025

Test Specification

Your Ref. No. HAC-MAC/24/CEAS/Lab/0053

Dated: 26/7/2025

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 16/9/2025 Tested on: 17/9/2025 in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | 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 |
|---------|----------------------------------|---------------|-----|------|--------------|-------------------------|-------------------------|-------------------------------|-----------------------------|--------------------------|----------------------|--------------|
| | | DD | MM | YYYY | | | | | | | | |
| 1 | 2nd Floor over Stairs (3000 Psi) | 28 | 6 | 2025 | 6Diax12 | --- | 14 | 28.28 | 65 | 5149 | --- | Non Engraved |
| 2 | 2nd Floor over Stairs (3000 Psi) | 28 | 6 | 2025 | 6Diax12 | --- | 13.2 | 28.28 | 61 | 4832 | --- | Non Engraved |
| 3 | 2nd Floor over Stairs (3000 Psi) | 28 | 6 | 2025 | 6Diax12 | --- | 14 | 28.28 | 66 | 5228 | --- | Non Engraved |
| 4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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Director/Dy. Director Concrete Laboratory



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152
 Dr. Aqsa

To: Resident Engineer
 Construction of Autism School, Lhr., Mascon Associates Pvt Ltd & HA Consulting

Project: Construction & Establishment of Autism School, Lahore (1st Floor, PCC Flooring, Concrete)

Our Ref. No. CL/CED/ 9477

Dated: 17/9/2025

Test Specification

Your Ref. No. HAC-MAC/24/CEAS/Lab/0054

Dated: 27/7/2025

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 16/9/2025 Tested on: 17/9/2025 in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | 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 |
|---------|-------------------------|---------------|-----|------|--------------|-------------------------|-------------------------|-------------------------------|-----------------------------|--------------------------|----------------------|--------------|
| | | DD | MM | YYYY | | | | | | | | |
| 1 | PCC Flooring (3000 Psi) | 29 | 6 | 2025 | 6Diax12 | --- | 14 | 28.28 | 70 | 5545 | --- | Non Engraved |
| 2 | PCC Flooring (3000 Psi) | 29 | 6 | 2025 | 6Diax12 | --- | 14 | 28.28 | 67 | 5307 | --- | Non Engraved |
| 3 | PCC Flooring (3000 Psi) | 29 | 6 | 2025 | 6Diax12 | --- | 13.4 | 28.28 | 51 | 4040 | --- | 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/>

- * 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
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.

152
 Dr. Aqsa

To: Resident Engineer
 Construction of Autism School, Lhr., Mascon Associates Pvt Ltd & HA Consulting

Project: Construction & Establishment of Autism School, Lahore (OHWT Beams over 4th Lift Concrete)

Our Ref. No. CL/CED/ 9478

Dated: 17/9/2025

Test Specification

Your Ref. No. HAC-MAC/24/CEAS/Lab/0055

Dated: 30/7/2025

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 16/9/2025 Tested on: 17/9/2025 in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | 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 |
|---------|-----------------------|---------------|-----|------|--------------|-------------------------|-------------------------|-------------------------------|-----------------------------|--------------------------|----------------------|--------------|
| | | DD | MM | YYYY | | | | | | | | |
| 1 | OHWT Beams (3000 Psi) | 2 | 7 | 2025 | 6Diax12 | --- | 14 | 28.28 | 67 | 5307 | --- | Non Engraved |
| 2 | OHWT Beams (3000 Psi) | 2 | 7 | 2025 | 6Diax12 | --- | 13.4 | 28.28 | 63 | 4990 | --- | Non Engraved |
| 3 | OHWT Beams (3000 Psi) | 2 | 7 | 2025 | 6Diax12 | --- | 14 | 28.28 | 53 | 4198 | --- | 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/>

- * 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
- **** AC1318-08 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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- 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.

149
Dr. Aqsa

To: Mr. Sajjad Karim
 Project Engineer, 7Canal Developers, 7 Canal Park, Gulberg 2, Lahore

Project: 7 Canal Residential Apartment Buildings

Our Ref. No. CL/CED/ 9479

Dated: 17/9/2025

Test Specification

Your Ref. No. Nil

Dated: 15/9/2025

(ASTM C39)

COMPRESSION TEST REPORT



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

Specimens received on: 15/9/2025 Tested on: 17/9/2025 in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | 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 |
|---------|----------|---------------|-----|------|--------------|-------------------------|-------------------------|-------------------------------|-----------------------------|--------------------------|----------------------|--------------|
| | | DD | MM | YYYY | | | | | | | | |
| 1 | 5500 Psi | 30 | 8 | 2025 | 6Diax12 | --- | 14 | 28.28 | 79 | 6257 | --- | Non Engraved |
| 2 | 5500 Psi | 30 | 8 | 2025 | 6Diax12 | --- | 14 | 28.28 | 72 | 5703 | --- | Non Engraved |
| 3 | 4000 Psi | 30 | 8 | 2025 | 6Diax12 | --- | 13.6 | 28.28 | 47 | 3723 | --- | Non Engraved |
| 4 | 4000 Psi | 30 | 8 | 2025 | 6Diax12 | --- | 13.8 | 28.28 | 60 | 4752 | --- | Non Engraved |
| 5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

Witnessed by: Mr. Shabbir Hussain, CNIC 35202-3135814-3

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

- * 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
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.

162
 Dr. Aqsa

To: Engr. Mr. Syed Hashim Hussain
 Manager Project, Azgard Nine Limited, 2.5 km off Manga Raiwind Road District Kasur.

Project: Construction of Concrete Foundations for Bio Mass Pipe Lines Poles and Bridges

Our Ref. No. CL/CED/ 9480

Dated: 17/9/2025

Test Specification

Your Ref. No. Az/Pro/03

Dated: 16/9/2025

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 16/9/2025 **Tested on:** 17/9/2025 in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | 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 |
|---------|-------------------------------------|---------------|-----|------|--------------|-------------------------|-------------------------|-------------------------------|-----------------------------|--------------------------|----------------------|--------------|
| | | DD | MM | YYYY | | | | | | | | |
| 1 | Fndn # 1, 2, 3, 4, 5, 6- Col RCC | 21 | 8 | 2025 | 6x6x6 | --- | 8.8 | 36 | 93 | 5787 | --- | Non Engraved |
| 2 | Fndn # 7, 8, 9, 10, 11, 12- Col RCC | 22 | 8 | 2025 | 6x6x6 | --- | 8.8 | 36 | 71 | 4418 | --- | Non Engraved |
| 3 | Fndn # 13, 14, 15, 16, 17- Col RCC | 25 | 8 | 2025 | 6x6x6 | --- | 8.4 | 36 | 68 | 4231 | --- | 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/>

- * as engraved on the specimens (if any)
- ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
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ORIGINAL
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162
 Dr. Aqsa

To: Engr. Mr. Syed Hashim Hussain
 Manager Project, Azgard Nine Limited, 2.5 km off Manga Raiwind Road District Kasur.

Project: Construction of Concrete Foundations for Bio Mass Pipe Lines Poles and Bridges

Our Ref. No. CL/CED/ 9481

Dated: 17/9/2025

Test Specification

Your Ref. No. Az/Pro/03

Dated: 15/09/2025

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: 16/9/2025 **Tested on:** 17/9/2025 in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | 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 |
|---------|-----------------------------------|---------------|-----|------|--------------|-------------------------|-------------------------|-------------------------------|-----------------------------|--------------------------|----------------------|--------------|
| | | DD | MM | YYYY | | | | | | | | |
| 1 | Fndn # 1, 2, 3, 4, 5, 6- Fndn RCC | 20 | 8 | 2025 | 6x6x6 | --- | 8.6 | 36 | 94 | 5849 | --- | Non Engraved |
| 2 | Fndn # 7, 8, 9, 10, 11- Fndn RCC | 21 | 8 | 2025 | 6x6x6 | --- | 8.8 | 36 | 76 | 4729 | --- | Non Engraved |
| 3 | Fndn # 12, 13, 14, 15- Fndn RCC | 24 | 8 | 2025 | 6x6x6 | --- | 8.4 | 36 | 42 | 2613 | --- | Non Engraved |
| 4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

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- ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
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Director/Dy. Director Concrete Laboratory



Plain and Reinforced Concrete Laboratory
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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.

162
Dr. Aqsa

To: Engr. Mr. Syed Hashim Hussain
Manager Project, Azgard Nine Limited, 2.5 km off Manga Raiwind Road District Kasur.

Project: Construction of Concrete Foundations for Bio Mass Pipe Lines Poles and Bridges

Our Ref. No. CL/CED/ 9482

Dated: 17/9/2025

Test Specification

Your Ref. No. Az/Pro/01

Dated: 16/9/2025

(BS 1881-116)

COMPRESSION TEST REPORT



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

Specimens received on: **16/9/2025** Tested on: **17/9/2025** in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | 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 |
|---------|-----------------------------------|---------------|-----|------|--------------|-------------------------|-------------------------|-------------------------------|-----------------------------|--------------------------|----------------------|--------------|
| | | DD | MM | YYYY | | | | | | | | |
| 1 | Fndn # 1, 2, 3, 4, 5, 6- Fndn PCC | 19 | 8 | 2025 | 6x6x6 | --- | 8.2 | 36 | 21 | 1307 | --- | Non Engraved |
| 2 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 3 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

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

- * as engraved on the specimens (if any)
- ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
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- The test results are recommended to be interpreted in the light of above factors by the engineer.

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Director/Dy. Director Concrete Laboratory