



**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.

75  
 Dr. M. Yousaf

**To:** Mr. Muhammad Awais  
 Punjab Tiles, New Garden Town, Lahore.

**Project:** Construction of Model Bazaar Chiniot.

**Our Ref. No.** CL/CED/ 9336

**Dated:** 01/09/2025

**Test Specification**

**Your Ref. No.** PT/2025/MB/C-0001

**Dated:** 01/09/2025

( ---- )

## COMPRESSION TEST REPORT



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

**Specimens received on:** 01/09/2025 **Tested on:** 01/09/2025 **in dry/wet condition**

| Sr. No. | Mark*               | Casting Date* |     |      | Size<br>(in)  | Wet Weight<br>(Kg/ gms) | Dry Weight<br>(Kg/ gms) | Area of X-Section<br>(Sq. in) | Ultimate load<br>(Imp.Tons) | Ultimate Stress<br>(psi) | Water Absorption (%) | Remarks   |
|---------|---------------------|---------------|-----|------|---------------|-------------------------|-------------------------|-------------------------------|-----------------------------|--------------------------|----------------------|-----------|
|         |                     | DD            | MM  | YYYY |               |                         |                         |                               |                             |                          |                      |           |
| 1       | Terrazzo Tile- Grey | ---           | --- | ---  | 5.9 x 5.9 x 1 | ---                     | 1220                    | 34.81                         | 110                         | 7078                     | ---                  | Cut Piece |
| 2       | Terrazzo Tile- Grey | ---           | --- | ---  | 5.8 x 5.9 x 1 | ---                     | 1195                    | 34.22                         | 100                         | 6546                     | ---                  | Cut Piece |
| 3       | Terrazzo Tile- Grey | ---           | --- | ---  | 5.8 x 5.9 x 1 | ---                     | 1175                    | 34.22                         | 100                         | 6546                     | ---                  | Cut Piece |
| 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

- 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.

74  
 Dr. M. Yousaf

**To: Mr. Sajid Bashir Khawaja**  
 Resident Engineer, ACE Architectural & Town Planning Services Limited  
 Project: Resident Construction Supervision for Construction of Punjab Revenue Authority (PRA), Headquarters, Lahore.  
 Our Ref. No. CL/CED/ 9337      Dated: 01/09/2025  
 Your Ref. No. ER/PRA/HQ/ACE/2025/37      Dated: 29/08/2025

**Test Specification**  
 ( ASTM C39 )

## COMPRESSION TEST REPORT



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

Specimens received on: **01/09/2025** Tested on: **01/09/2025** in dry/wet condition



| Sr. No. | Mark*                           | Casting Date* |     |      | Size<br>(in) | Wet Weight<br>(Kg/ gms) | Dry Weight<br>(Kg/ gms) | Area of X-Section<br>(Sq. in) | Ultimate load<br>(Imp.Tons) | Ultimate Stress<br>(psi) | Water Absorption (%) | Remarks      |
|---------|---------------------------------|---------------|-----|------|--------------|-------------------------|-------------------------|-------------------------------|-----------------------------|--------------------------|----------------------|--------------|
|         |                                 | DD            | MM  | YYYY |              |                         |                         |                               |                             |                          |                      |              |
| 1       | (Sikament RB-850)<br>(5000 Psi) | 1             | 8   | 2025 | 6Diax12      | ---                     | 14                      | 28.28                         | 69                          | 5465                     | ---                  | Non Engraved |
| 2       | (Sikament RB-850)<br>(5000 Psi) | 1             | 8   | 2025 | 6Diax12      | ---                     | 13.6                    | 28.28                         | 64                          | 5069                     | ---                  | Non Engraved |
| 3       | (Sikament RB-850)<br>(5000 Psi) | 1             | 8   | 2025 | 6Diax12      | ---                     | 14                      | 28.28                         | 73                          | 5782                     | ---                  | Non Engraved |
| 4       | (Sikament RB-858)<br>(5000 Psi) | 1             | 8   | 2025 | 6Diax12      | ---                     | 14                      | 28.28                         | 70                          | 5545                     | ---                  | Non Engraved |
| 5       | (Sikament RB-858)<br>(5000 Psi) | 1             | 8   | 2025 | 6Diax12      | ---                     | 14                      | 28.28                         | 66                          | 5228                     | ---                  | Non Engraved |
| 6       | (Sikament RB-858)<br>(5000 Psi) | 1             | 8   | 2025 | 6Diax12      | ---                     | 14                      | 28.28                         | 71                          | 5624                     | ---                  | Non Engraved |
| 7       | ---                             | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 8       | ---                             | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 9       | ---                             | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 10      | ---                             | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 11      | ---                             | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 12      | ---                             | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 13      | ---                             | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 14      | ---                             | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 15      | ---                             | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 16      | ---                             | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |

Witnessed by: Mr. M. Javed CNIC # 32304-9496508-7

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



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**ORIGINAL**  
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63  
 Dr. M. Yousaf

**To: Mr. Khadim Hussain**  
**APEX CONSTRUCTION & CO. ENGINEERS AND EXICUTERS**

**Project: K Tower 83 E/1 Commercial Building, Lahore.**

**Our Ref. No. CL/CED/ 9338**

**Dated: 01/09/2025**

**Test Specification**

**Your Ref. No. Nil**

**Dated: 28/08/2025**

**( ASTM C39 )**

## COMPRESSION TEST REPORT



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

**Specimens received on: 28/08/2025    Tested on: 01/09/2025    in dry/wet condition**



| Sr. No. | Mark*    | Casting Date* |     |      | Size<br>(in) | Wet Weight<br>(Kg/ gms) | Dry Weight<br>(Kg/ gms) | Area of X-Section<br>(Sq. in) | Ultimate load<br>(Imp.Tons) | Ultimate Stress<br>(psi) | Water Absorpti on (%) | Remarks      |
|---------|----------|---------------|-----|------|--------------|-------------------------|-------------------------|-------------------------------|-----------------------------|--------------------------|-----------------------|--------------|
|         |          | DD            | MM  | YYYY |              |                         |                         |                               |                             |                          |                       |              |
| 1       | 3000 Psi | 8             | 7   | 2025 | 6Diax12      | ---                     | 13.2                    | 28.28                         | 50                          | 3960                     | ---                   | Non Engraved |
| 2       | 3000 Psi | 8             | 7   | 2025 | 6Diax12      | ---                     | 13                      | 28.28                         | 51                          | 4040                     | ---                   | Non Engraved |
| 3       | 3000 Psi | 8             | 7   | 2025 | 6Diax12      | ---                     | 13.2                    | 28.28                         | 52                          | 4119                     | ---                   | Non Engraved |
| 4       | 3000 Psi | 16            | 7   | 2025 | 6Diax12      | ---                     | 14                      | 28.28                         | 74                          | 5861                     | ---                   | Non Engraved |
| 5       | 3000 Psi | 16            | 7   | 2025 | 6Diax12      | ---                     | 13                      | 28.28                         | 48                          | 3802                     | ---                   | Non Engraved |
| 6       | 3000 Psi | 16            | 7   | 2025 | 6Diax12      | ---                     | 13.8                    | 28.28                         | 57                          | 4515                     | ---                   | 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/>**

- \* 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)
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70  
 Dr. M. Yousaf

**To:** Construction Manager  
 For Ittefaq Building Solutions (Pvt.) Ltd. 32-R, Johar Town, Lahore.

**Project:** House for Mr. Noor-ul-Amin, 613-Z, Phase 3, DHA, Lahore. (Bed Concrete 2nd)

**Our Ref. No.** CL/CED/ 9339

**Dated:** 01/09/2025

**Test Specification**

**Your Ref. No.** Nil

**Dated:** 29/08/2025

( BS 1881-116 )

## COMPRESSION TEST REPORT



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

**Specimens received on:** 29/08/2025 **Tested on:** 01/09/2025 in dry/wet condition



| Sr. No. | Mark*               | Casting Date* |     |      | Size<br>(in) | Wet Weight<br>(Kg/ gms) | Dry Weight<br>(Kg/ gms) | Area of X-Section<br>(Sq. in) | Ultimate load<br>(Imp.Tons) | Ultimate Stress<br>(psi) | Water Absorption (%) | Remarks      |
|---------|---------------------|---------------|-----|------|--------------|-------------------------|-------------------------|-------------------------------|-----------------------------|--------------------------|----------------------|--------------|
|         |                     | DD            | MM  | YYYY |              |                         |                         |                               |                             |                          |                      |              |
| 1       | Basement (3000 Psi) | 18            | 8   | 2025 | 6x6x6        | ---                     | 8.8                     | 36                            | 43                          | 2676                     | ---                  | Non Engraved |
| 2       | Basement (3000 Psi) | 18            | 8   | 2025 | 6x6x6        | ---                     | 8.6                     | 36                            | 50                          | 3111                     | ---                  | Non Engraved |
| 3       | Basement (3000 Psi) | 18            | 8   | 2025 | 6x6x6        | ---                     | 8.8                     | 36                            | 39                          | 2427                     | ---                  | 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/>

- \* 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**



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

70  
 Dr. M. Yousaf

**To:** Construction Manager  
 For Ittefaq Building Solutions (Pvt.) Ltd. 32-R, Johar Town, Lahore.

**Project:** House for Mr. Abdullah Imtiaz, 605-Z, Phase 3, DHA, Lahore. (Retaining Wall 3rd Pour)

**Our Ref. No.** CL/CED/ 9340

**Dated:** 01/09/2025

**Test Specification**

**Your Ref. No.** Nil

**Dated:** 29/08/2025

( BS 1881-116 )

## COMPRESSION TEST REPORT



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

**Specimens received on:** 29/08/2025 **Tested on:** 01/09/2025 in dry/wet condition



| Sr. No. | Mark*              | Casting Date* |     |      | Size<br>(in) | Wet Weight<br>(Kg/ gms) | Dry Weight<br>(Kg/ gms) | Area of X-Section<br>(Sq. in) | Ultimate load<br>(Imp.Tons) | Ultimate Stress<br>(psi) | Water Absorption (%) | Remarks      |
|---------|--------------------|---------------|-----|------|--------------|-------------------------|-------------------------|-------------------------------|-----------------------------|--------------------------|----------------------|--------------|
|         |                    | DD            | MM  | YYYY |              |                         |                         |                               |                             |                          |                      |              |
| 1       | Basement (3000Psi) | 3             | 8   | 2025 | 6x6x6        | ---                     | 9                       | 36                            | 69                          | 4293                     | ---                  | Non Engraved |
| 2       | Basement (3000Psi) | 3             | 8   | 2025 | 6x6x6        | ---                     | 9.2                     | 36                            | 62                          | 3858                     | ---                  | Non Engraved |
| 3       | Basement (3000Psi) | 3             | 8   | 2025 | 6x6x6        | ---                     | 9                       | 36                            | 73                          | 4542                     | ---                  | 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/>

- \* 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.

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**Director/Dy. Director Concrete Laboratory**



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 Dr. M. Yousaf

**To:** Construction Manager  
 For Ittefaq Building Solutions (Pvt.) Ltd. 32-R, Johar Town, Lahore.

**Project:** House for Mr. Abdullah Imtiaz, 605-Z, Phase 3, DHA, Lahore. (Retaining Wall 1st Pour)

**Our Ref. No.** CL/CED/ 9341

**Dated:** 01/09/2025

**Test Specification**

**Your Ref. No.** Nil

**Dated:** 29/08/2025

( BS 1881-116 )

## COMPRESSION TEST REPORT



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

**Specimens received on:** 29/08/2025 **Tested on:** 01/09/2025 in dry/wet condition



| Sr. No. | Mark*               | Casting Date* |     |      | Size<br>(in) | Wet Weight<br>(Kg/ gms) | Dry Weight<br>(Kg/ gms) | Area of X-Section<br>(Sq. in) | Ultimate load<br>(Imp.Tons) | Ultimate Stress<br>(psi) | Water Absorption (%) | Remarks      |
|---------|---------------------|---------------|-----|------|--------------|-------------------------|-------------------------|-------------------------------|-----------------------------|--------------------------|----------------------|--------------|
|         |                     | DD            | MM  | YYYY |              |                         |                         |                               |                             |                          |                      |              |
| 1       | Basement (3000 Psi) | 22            | 7   | 2025 | 6x6x6        | ---                     | 9                       | 36                            | 63                          | 3920                     | ---                  | Non Engraved |
| 2       | Basement (3000 Psi) | 22            | 7   | 2025 | 6x6x6        | ---                     | 8.6                     | 36                            | 68                          | 4231                     | ---                  | Non Engraved |
| 3       | Basement (3000 Psi) | 22            | 7   | 2025 | 6x6x6        | ---                     | 8.8                     | 36                            | 69                          | 4293                     | ---                  | 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/>

- \* 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.

70  
 Dr. M. Yousaf

**To:** Construction Manager  
 For Ittefaq Building Solutions (Pvt.) Ltd. 32-R, Johar Town, Lahore.

**Project:** House for Mr. Noor-ul-Amin, 613-Z, Phase 3, DHA, Lahore. (Retaining Wall 1st Pour)

**Our Ref. No.** CL/CED/ 9342

**Dated:** 01/09/2025

**Test Specification**

**Your Ref. No.** Nil

**Dated:** 29/08/2025

( BS 1881-116 )

## COMPRESSION TEST REPORT



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

**Specimens received on:** 29/08/2025 **Tested on:** 01/09/2025 in dry/wet condition

| Sr. No. | Mark*               | Casting Date* |     |      | Size<br>(in) | Wet Weight<br>(Kg/ gms) | Dry Weight<br>(Kg/ gms) | Area of X-Section<br>(Sq. in) | Ultimate load<br>(Imp.Tons) | Ultimate Stress<br>(psi) | Water Absorption (%) | Remarks      |
|---------|---------------------|---------------|-----|------|--------------|-------------------------|-------------------------|-------------------------------|-----------------------------|--------------------------|----------------------|--------------|
|         |                     | DD            | MM  | YYYY |              |                         |                         |                               |                             |                          |                      |              |
| 1       | Basement (3000 Psi) | 2             | 8   | 2025 | 6x6x6        | ---                     | 8.8                     | 36                            | 82                          | 5102                     | ---                  | Non Engraved |
| 2       | Basement (3000 Psi) | 2             | 8   | 2025 | 6x6x6        | ---                     | 8.6                     | 36                            | 87                          | 5413                     | ---                  | Non Engraved |
| 3       | Basement (3000 Psi) | 2             | 8   | 2025 | 6x6x6        | ---                     | 9                       | 36                            | 80                          | 4978                     | ---                  | 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/>

- \* 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.

70  
 Dr. M. Yousaf

**To:** Construction Manager  
 For Ittefaq Building Solutions (Pvt.) Ltd. 32-R, Johar Town, Lahore.

**Project:** House for Mr. Abdullah Imtiaz, 605-Z, Phase 3, DHA, Lahore. (Retaining Wall 2nd Pour)

**Our Ref. No.** CL/CED/ 9343

**Dated:** 01/09/2025

**Test Specification**

**Your Ref. No.** Nil

**Dated:** 29/08/2025

( BS 1881-116 )

## COMPRESSION TEST REPORT



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

**Specimens received on:** 29/08/2025 **Tested on:** 01/09/2025 in dry/wet condition



| Sr. No. | Mark*               | Casting Date* |     |      | Size<br>(in) | Wet Weight<br>(Kg/ gms) | Dry Weight<br>(Kg/ gms) | Area of X-Section<br>(Sq. in) | Ultimate load<br>(Imp.Tons) | Ultimate Stress<br>(psi) | Water Absorption (%) | Remarks      |
|---------|---------------------|---------------|-----|------|--------------|-------------------------|-------------------------|-------------------------------|-----------------------------|--------------------------|----------------------|--------------|
|         |                     | DD            | MM  | YYYY |              |                         |                         |                               |                             |                          |                      |              |
| 1       | Basement (3000 Psi) | 23            | 7   | 2025 | 6x6x6        | ---                     | 8                       | 36                            | 42                          | 2613                     | ---                  | Non Engraved |
| 2       | Basement (3000 Psi) | 23            | 7   | 2025 | 6x6x6        | ---                     | 8.2                     | 36                            | 50                          | 3111                     | ---                  | Non Engraved |
| 3       | Basement (3000 Psi) | 23            | 7   | 2025 | 6x6x6        | ---                     | 8.6                     | 36                            | 79                          | 4916                     | ---                  | 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/>

- \* 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.

70  
 Dr. M. Yousaf

**To:** Construction Manager  
 For Ittefaq Building Solutions (Pvt.) Ltd. 32-R, Johar Town, Lahore.

**Project:** House for Mr. Noor-ul-Amin, 613-Z, Phase 3, DHA, Lahore. (Bed Concrete)

**Our Ref. No.** CL/CED/ 9344

**Dated:** 01/09/2025

**Test Specification**

**Your Ref. No.** Nil

**Dated:** 29/08/2025

( BS 1881-116 )

## COMPRESSION TEST REPORT



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

**Specimens received on:** 29/08/2025 **Tested on:** 01/09/2025 in dry/wet condition



| Sr. No. | Mark*               | Casting Date* |     |      | Size<br>(in) | Wet Weight<br>(Kg/ gms) | Dry Weight<br>(Kg/ gms) | Area of X-Section<br>(Sq. in) | Ultimate load<br>(Imp.Tons) | Ultimate Stress<br>(psi) | Water Absorption (%) | Remarks      |
|---------|---------------------|---------------|-----|------|--------------|-------------------------|-------------------------|-------------------------------|-----------------------------|--------------------------|----------------------|--------------|
|         |                     | DD            | MM  | YYYY |              |                         |                         |                               |                             |                          |                      |              |
| 1       | Basement (3000 Psi) | 23            | 7   | 2025 | 6x6x6        | ---                     | 8                       | 36                            | 35                          | 2178                     | ---                  | Non Engraved |
| 2       | Basement (3000 Psi) | 23            | 7   | 2025 | 6x6x6        | ---                     | 8.6                     | 36                            | 66                          | 4107                     | ---                  | Non Engraved |
| 3       | Basement (3000 Psi) | 23            | 7   | 2025 | 6x6x6        | ---                     | 8.6                     | 36                            | 73                          | 4542                     | ---                  | 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/>

- \* 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.

71  
Dr. M. Yousaf

To: Engr. Arfan Ullah  
Assistant Engineer Civil, National Skills University, Islamabad

Project: Testing Concrete Cubes for Strength Determination of the Footing for Work "Construction of the Administration Block at National Skills University Islamabad, Muridke Campus.

Our Ref. No. CL/CED/ 9345

Dated: 01/09/2025

Test Specification

Your Ref. No. F.No. NSU/Admin-Block/2023/21-A

Dated: 17/07/2025

( BS 1881-116 )

## COMPRESSION TEST REPORT



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

Specimens received on: 29/08/2025 Tested on: 01/09/2025 in dry/wet condition



| Sr. No. | Mark*          | Casting Date* |     |      | Size<br>(in) | Wet Weight<br>(Kg/ gms) | Dry Weight<br>(Kg/ gms) | Area of X-Section<br>(Sq. in) | Ultimate load<br>(Imp.Tons) | Ultimate Stress<br>(psi) | Water Absorption (%) | Remarks      |
|---------|----------------|---------------|-----|------|--------------|-------------------------|-------------------------|-------------------------------|-----------------------------|--------------------------|----------------------|--------------|
|         |                | DD            | MM  | YYYY |              |                         |                         |                               |                             |                          |                      |              |
| 1       | 1st Floor beam | 7             | 7   | 2025 | 6x6x6        | ---                     | 8.4                     | 36                            | 66                          | 4107                     | ---                  | Non Engraved |
| 2       | 1st Floor beam | 7             | 7   | 2025 | 6x6x6        | ---                     | 8.4                     | 36                            | 82                          | 5102                     | ---                  | Non Engraved |
| 3       | 1st Floor beam | 7             | 7   | 2025 | 6x6x6        | ---                     | 8.4                     | 36                            | 63                          | 3920                     | ---                  | Non Engraved |
| 4       | 1st Floor Slab | 7             | 7   | 2025 | 6x6x6        | ---                     | 8.4                     | 36                            | 87                          | 5413                     | ---                  | Non Engraved |
| 5       | 1st Floor Slab | 7             | 7   | 2025 | 6x6x6        | ---                     | 8.2                     | 36                            | 72                          | 4480                     | ---                  | Non Engraved |
| 6       | 1st Floor Slab | 7             | 7   | 2025 | 6x6x6        | ---                     | 8.6                     | 36                            | 87                          | 5413                     | ---                  | 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/>

- \* 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.

71  
 Dr. M. Yousaf

**To:** Engr. Arfan Ullah  
 Assistant Engineer Civil, National Skills University, Islamabad

**Project:** Testing Concrete Cubes for Strength Determination of the Footing for Work "Construction of the Administration Block at National Skills University Islamabad, Muridke Campus.

Our Ref. No. CL/CED/ 9346

Dated: 01/09/2025

Test Specification

Your Ref. No. F.No. NSU/Admin-Block/2023/25

Dated: 22/08/2025

( BS 1881-116 )

## COMPRESSION TEST REPORT



ONLINE REPORT

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

Specimens received on: **29/08/2025** Tested on: **01/09/2025** in dry/wet condition

| Sr. No. | Mark*          | Casting Date* |     |      | Size<br>(in) | Wet Weight<br>(Kg/ gms) | Dry Weight<br>(Kg/ gms) | Area of X-Section<br>(Sq. in) | Ultimate load<br>(Imp.Tons) | Ultimate Stress<br>(psi) | Water Absorption (%) | Remarks      |
|---------|----------------|---------------|-----|------|--------------|-------------------------|-------------------------|-------------------------------|-----------------------------|--------------------------|----------------------|--------------|
|         |                | DD            | MM  | YYYY |              |                         |                         |                               |                             |                          |                      |              |
| 1       | 2nd Floor Beam | 27            | 7   | 2025 | 6x6x6        | ---                     | 8.2                     | 36                            | 75                          | 4667                     | ---                  | Non Engraved |
| 2       | 2nd Floor Beam | 27            | 7   | 2025 | 6x6x6        | ---                     | 8.4                     | 36                            | 61                          | 3796                     | ---                  | Non Engraved |
| 3       | 2nd Floor Beam | 27            | 7   | 2025 | 6x6x6        | ---                     | 8.6                     | 36                            | 68                          | 4231                     | ---                  | Non Engraved |
| 4       | 2nd Floor Slab | 27            | 7   | 2025 | 6x6x6        | ---                     | 8.2                     | 36                            | 68                          | 4231                     | ---                  | Non Engraved |
| 5       | 2nd Floor Slab | 27            | 7   | 2025 | 6x6x6        | ---                     | 8.4                     | 36                            | 72                          | 4480                     | ---                  | Non Engraved |
| 6       | 2nd Floor Slab | 27            | 7   | 2025 | 6x6x6        | ---                     | 8.6                     | 36                            | 84                          | 5227                     | ---                  | 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/>

- \* 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)
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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  
 Landline: 042-99029245 & 042-99029202      Mobile: 0307-0496895

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

53  
 Dr. M.Yousaf

**To:** Deputy Director (Development) Khushab.  
 Office of the Deputy Commissioner Khushab.

**Project:** (Sample No. 1 from Site Shoaib Autos and Sample No. 2 from Site Hayatabad) Collected from different Schemes being executed in District Khushab.

**Our Ref. No.** CL/CED/ 9347

**Dated:** 01/09/2025

**Test Specification**

**Your Ref. No.** P&D/KHB/Laboratory 32

**Dated:** 25/08/2025

( ---- )

## COMPRESSION TEST REPORT



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

**Specimens received on:** 27/08/2025 **Tested on:** 01/09/2025 in dry/wet condition

| Sr. No. | Mark*                   | Casting Date* |     |      | Size<br>(in)  | Wet Weight<br>(Kg/ gms) | Dry Weight<br>(Kg/ gms) | Area of X-Section<br>(Sq. in) | Ultimate load<br>(Imp.Tons) | Ultimate Stress<br>(psi) | Water Absorption (%) | Remarks    |
|---------|-------------------------|---------------|-----|------|---------------|-------------------------|-------------------------|-------------------------------|-----------------------------|--------------------------|----------------------|------------|
|         |                         | DD            | MM  | YYYY |               |                         |                         |                               |                             |                          |                      |            |
| 1       | Rectangular, Grey, 80mm | ---           | --- | ---  | 7.8 x 3.8 x 3 | ---                     | 3495                    | 29.64                         | 28                          | 2116                     | ---                  | Sample # 1 |
| 2       | Rectangular, Grey, 80mm | ---           | --- | ---  | 7.8 x 3.8 x 3 | ---                     | 3465                    | 29.64                         | 39                          | 2947                     | ---                  | Sample # 1 |
| 3       | Rectangular, Grey, 80mm | ---           | --- | ---  | 7.8 x 3.8 x 3 | ---                     | 3730                    | 29.64                         | 34                          | 2570                     | ---                  | Sample # 1 |
| 4       | Rectangular, Grey, 80mm | ---           | --- | ---  | 7.8 x 3.8 x 3 | ---                     | 3380                    | 29.64                         | 53                          | 4005                     | ---                  | Sample # 2 |
| 5       | Rectangular, Grey, 80mm | ---           | --- | ---  | 7.8 x 3.8 x 3 | ---                     | 3580                    | 29.64                         | 70                          | 5290                     | ---                  | Sample # 2 |
| 6       | Rectangular, Red, 80mm  | ---           | --- | ---  | 7.8 x 3.8 x 3 | ---                     | 3435                    | 29.64                         | 44                          | 3325                     | ---                  | Sample # 2 |
| 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" dia x 12" 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.

23  
 Dr. M.Yousaf

**To: Mr. Muhammad Asad (Planning Engineer)**  
 For Ittefaq Building Solutions Pvt. Ltd. Airline Society Khayaban-e-Jinah, Lahore.

**Project: Sazgar Engineering Works Car Plant.**

**Our Ref. No. CL/CED/ 9348**

**Dated: 01/09/2025**

**Test Specification**

**Your Ref. No. Nil**

**Dated: 22/08/2025**

**( ---- )**

## COMPRESSION TEST REPORT



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

**Specimens received on: 22/08/2025    Tested on: 01/09/2025    in dry/wet condition**

| Sr. No. | Mark*                   | Casting Date* |     |      | Size<br>(in)    | Wet Weight<br>(Kg/ gms) | Dry Weight<br>(Kg/ gms) | Area of X-Section<br>(Sq. in) | Ultimate load<br>(Imp.Tons) | Ultimate Stress<br>(psi) | Water Absorption (%) | Remarks |
|---------|-------------------------|---------------|-----|------|-----------------|-------------------------|-------------------------|-------------------------------|-----------------------------|--------------------------|----------------------|---------|
|         |                         | DD            | MM  | YYYY |                 |                         |                         |                               |                             |                          |                      |         |
| 1       | Rectangular, Grey, 60mm | ---           | --- | ---  | 7.8 x 3.8 x 2.4 | ---                     | 2780                    | 29.64                         | 98                          | 7406                     | ---                  | ---     |
| 2       | Rectangular, Grey, 60mm | ---           | --- | ---  | 7.8 x 3.8 x 2.4 | ---                     | 2790                    | 29.64                         | 89                          | 6726                     | ---                  | ---     |
| 3       | Rectangular, Grey, 60mm | ---           | --- | ---  | 7.8 x 3.8 x 2.4 | ---                     | 2630                    | 29.64                         | 98                          | 7406                     | ---                  | ---     |
| 4       | ---                     | ---           | --- | ---  | ---             | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---     |
| 5       | ---                     | ---           | --- | ---  | ---             | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---     |
| 6       | ---                     | ---           | --- | ---  | ---             | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---     |
| 7       | ---                     | ---           | --- | ---  | ---             | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---     |
| 8       | ---                     | ---           | --- | ---  | ---             | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---     |
| 9       | ---                     | ---           | --- | ---  | ---             | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---     |
| 10      | ---                     | ---           | --- | ---  | ---             | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---     |
| 11      | ---                     | ---           | --- | ---  | ---             | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---     |
| 12      | ---                     | ---           | --- | ---  | ---             | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---     |
| 13      | ---                     | ---           | --- | ---  | ---             | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---     |
| 14      | ---                     | ---           | --- | ---  | ---             | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---     |
| 15      | ---                     | ---           | --- | ---  | ---             | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---     |
| 16      | ---                     | ---           | --- | ---  | ---             | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---     |

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**Supervisor (Lab)**

**Director/Dy. Director Concrete Laboratory**