



**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.

6245  
 Dr. Qasim Khan

To: Mr. Jawad Ali Khan  
 Project Manager, 7 Canal Developers.

Project: 7 Canal Residential Apartment Buildings

Our Ref. No. CL/CED/ 3547

Dated: 22-11-23

Test Specification

Your Ref. No. Nil

Dated: Nil

(ASTM C39)

## COMPRESSION TEST REPORT



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

Specimens received on: 14-11-23      Tested on: 20-11-23      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       | C     | 26            | 10  | 2023 | 6Diax12      | ---                     | 15.8                    | 28.28                         | 50                          | 3960                     | ---                  | Non Engraved |
| 2       | B     | 26            | 10  | 2023 | 6Diax12      | ---                     | 14.4                    | 28.28                         | 72                          | 5703                     | ---                  | Non Engraved |
| 3       | FC    | 26            | 10  | 2023 | 6Diax12      | ---                     | 16                      | 28.28                         | 32                          | 2535                     | ---                  | Non Engraved |
| 4       | #5    | 1             | 11  | 2023 | 6Diax12      | ---                     | 14.2                    | 28.28                         | 52                          | 4119                     | ---                  | Non Engraved |
| 5       | ---   | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 6       | ---   | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 7       | ---   | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 8       | ---   | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 9       | ---   | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 10      | ---   | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 11      | ---   | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 12      | ---   | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 13      | ---   | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 14      | ---   | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 15      | ---   | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 16      | ---   | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |

Witnessed by: Mr. Shabbir Hussain, CNIC 35202-3165814-3

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

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

6197  
 Dr. Rizwan Riaz

**To:** Mr. Malik Amir Haider  
 Deputy Director (Maintenance) NHA-Sahiwal

**Project:** Contract No. AE-PS-2022-23-N5-01. (M/s Eastern Construction Company)

**Our Ref. No.** CL/CED/ 3548

**Dated:** 22-11-23

**Test Specification**

**Your Ref. No.** AE-PS-2022-23-N5-01/DD(Maint)/SWL/PS/NHA/2023

**Dated:** 05-10-23

**Dated:** 05-10-23

( BS 3921\*\* )

## COMPRESSION TEST REPORT



ONLINE REPORT

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

**Specimens received on:** 06-11-23 **Tested on:** 21-11-23 **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       | N-1   | ---           | --- | ---  | 8.6 x 4.2 x 2.9 | ---                     | 3425                    | 36.12                         | 48                          | 2977                     | ---                  | ---     |
| 2       | N-1   | ---           | --- | ---  | 8.8 x 4.3 x 3.1 | ---                     | 3485                    | 37.84                         | 52                          | 3078                     | ---                  | ---     |
| 3       | N-1   | ---           | --- | ---  | 8.8 x 4.2 x 3   | ---                     | 3590                    | 36.96                         | 52                          | 3152                     | ---                  | ---     |
| 4       | N-1   | ---           | --- | ---  | 8.8 x 4.2 x 3   | ---                     | 3435                    | 36.96                         | 46                          | 2788                     | ---                  | ---     |
| 5       | N-1   | ---           | --- | ---  | 8.9 x 4.2 x 3   | ---                     | 3395                    | 37.38                         | 48                          | 2876                     | ---                  | ---     |
| 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-reports/>

- \* 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)
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**Supervisor (Lab)**

**Director/Dy. Director Concrete Laboratory**



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ORIGINAL  
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6225  
 Dr. M. Mazhar

**To:** Mr. Muhammad Tufail  
 Resident Engineer, Package-I (PCP) Daska.  
 Project: 16 Cities Project Punjab. (MM Pakistan Pvt. Ltd.)

Our Ref. No. CL/CED/ 3549

Dated: 22-11-23

Test Specification

Your Ref. No. DSK/CON/1094/SW/135/2023

Dated: 11-11-23

( BS 3921\*\* )

## COMPRESSION TEST REPORT



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

Specimens received on: 13-11-23    Tested on: 22-11-23    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       | Machine Made (Double Line) | ---           | --- | ---  | 8.8 x 4.2 x 2.9 | 3475                    | 2920                    | 36.96                         | 36                          | 2182                     | 19.01                | ---     |
| 2       | Machine Made (Double Line) | ---           | --- | ---  | 8.7 x 4.2 x 2.8 | 3565                    | 2970                    | 36.54                         | 38                          | 2330                     | 20.03                | ---     |
| 3       | Machine Made (Double Line) | ---           | --- | ---  | 8.7 x 4.3 x 2.8 | 3410                    | 2895                    | 37.41                         | 36                          | 2156                     | 17.79                | ---     |
| 4       | Machine Made (Double Line) | ---           | --- | ---  | 8.8 x 4.2 x 2.8 | 3460                    | 2935                    | 36.96                         | 34                          | 2061                     | 17.89                | ---     |
| 5       | Machine Made (Double Line) | ---           | --- | ---  | 8.7 x 4.2 x 2.9 | 3565                    | 2980                    | 36.54                         | 36                          | 2207                     | 19.63                | ---     |
| 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-reports/>

- \* 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)
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Director/Dy. Director Concrete Laboratory



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**ORIGINAL**

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6244

Dr. M. Mazhar

To: CW Manager  
ARCON, Office # 703, 7th Floor, Khudadad Heights, E-11, Islamabad

Project: Raft, Column, DG & Solar

Our Ref. No. CL/CED/ 3550

Dated: 22-11-23

Test Specification

Your Ref. No. Nil

Dated: Nil

(BS 1881-116)

## COMPRESSION TEST REPORT



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

Specimens received on: 15-11-23 Tested on: 22-11-23 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       | N-3331 (1:1.5:3 & 1:4:8) | 14            | 10  | 2023 | 6x6x6        | ---                     | 8.4                     | 36                            | 113                         | 7031                     | ---                  | Non Engraved |
| 2       | N-3331 (1:1.5:3 & 1:4:8) | 14            | 10  | 2023 | 6x6x6        | ---                     | 8.6                     | 36                            | 97                          | 6036                     | ---                  | Non Engraved |
| 3       | ---                      | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 4       | ---                      | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 5       | ---                      | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 6       | ---                      | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 7       | ---                      | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 8       | ---                      | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 9       | ---                      | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 10      | ---                      | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 11      | ---                      | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 12      | ---                      | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 13      | ---                      | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 14      | ---                      | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 15      | ---                      | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 16      | ---                      | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |

Witnessed by:

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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
- \*\*\*\* 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

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Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



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## Civil Engineering Department

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**ORIGINAL**

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6244

Dr. M. Mazhar

To: CW Manager  
ARCON, Office # 703, 7th Floor, Khudadad Heights, E-11, Islamabad

Project: Raft

Our Ref. No. CL/CED/ 3551

Dated: 22-11-23

Test Specification

Your Ref. No. Nil

Dated: Nil

(BS 1881-116)

## COMPRESSION TEST REPORT



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

Specimens received on: 15-11-23 Tested on: 22-11-23 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       | N-3144 (1:1.5:3 & 1:4:8) | 15            | 10  | 2023 | 6x6x6        | ---                     | 8.4                     | 36                            | 97                          | 6036                     | ---                  | Non Engraved |
| 2       | N-3144 (1:1.5:3 & 1:4:8) | 15            | 10  | 2023 | 6x6x6        | ---                     | 8.8                     | 36                            | 91                          | 5662                     | ---                  | Non Engraved |
| 3       | ---                      | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 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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- \*\*\*\* ACI318-08 requires mean of two sample (6" dia x 12" cylinder) strength at 28 days as compressive strength

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Dr. M. Mazhar

To: CW Manager  
ARCON, Office # 703, 7th Floor, Khudadad Heights, E-11, Islamabad

Project: Raft, Column, DG & Solar

Our Ref. No. CL/CED/ 3552

Dated: 22-11-23

Test Specification

Your Ref. No. Nil

Dated: Nil

(BS 1881-116)

## COMPRESSION TEST REPORT



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

Specimens received on: 15-11-23 Tested on: 22-11-23 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       | N-3187 (1:1.5:3 & 1:4:8) | 15            | 10  | 2023 | 6x6x6        | ---                     | 9.2                     | 36                            | 103                         | 6409                     | ---                  | Non Engraved |
| 2       | N-3187 (1:1.5:3 & 1:4:8) | 15            | 10  | 2023 | 6x6x6        | ---                     | 8.2                     | 36                            | 109                         | 6782                     | ---                  | Non Engraved |
| 3       | ---                      | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 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
- \*\*\* 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

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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.

6244

Dr. M. Mazhar

To: CW Manager  
ARCON, Office # 703, 7th Floor, Khudadad Heights, E-11, Islamabad

Project: Raft, Column, DG & Solar

Our Ref. No. CL/CED/ 3553

Dated: 22-11-23

Test Specification

Your Ref. No. Nil

Dated: Nil

(BS 1881-116)

## COMPRESSION TEST REPORT



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

Specimens received on: 15-11-23 Tested on: 22-11-23 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       | N-3411 (1:1.5:3 & 1:4:8) | 13            | 10  | 2023 | 6x6x6        | ---                     | 8.4                     | 36                            | 79                          | 4916                     | ---                  | Non Engraved |
| 2       | N-3411 (1:1.5:3 & 1:4:8) | 13            | 10  | 2023 | 6x6x6        | ---                     | 8.6                     | 36                            | 93                          | 5787                     | ---                  | Non Engraved |
| 3       | ---                      | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 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-reports/>

- \* 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.

6254  
 Dr. Rizwan Riaz

**To:** Sub Divisional Officer  
 Buildings Sub Division Nankana Sahib.

**Project:** Construction of PHP Post at Chak No.5 District Nankana Sahib.

**Our Ref. No. CL/CED/ 3554**

**Dated: 22-11-23**

**Test Specification**

**Your Ref. No. 1266**

**Dated: 03-11-23**

**( BS 3921\*\* )**

## COMPRESSION TEST REPORT



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

**Specimens received on:**  **Tested on:**  **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       | 11    | ---           | --- | ---  | 8.7 x 4.2 x 3 | ---                     | 3325                    | 36.54                         | 44                          | 2697                     | ---                  | ---     |
| 2       | 11    | ---           | --- | ---  | 8.8 x 4.3 x 3 | ---                     | 3220                    | 37.84                         | 50                          | 2960                     | ---                  | ---     |
| 3       | 11    | ---           | --- | ---  | 8.8 x 4.3 x 3 | ---                     | 3320                    | 37.84                         | 54                          | 3197                     | ---                  | ---     |
| 4       | 11    | ---           | --- | ---  | 8.8 x 4.3 x 3 | ---                     | 3340                    | 37.84                         | 52                          | 3078                     | ---                  | ---     |
| 5       | 11    | ---           | --- | ---  | 8.9 x 4.3 x 3 | ---                     | 3340                    | 38.27                         | 48                          | 2810                     | ---                  | ---     |
| 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-reports/>

- \* 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.

6259  
 Dr. Rizwan Riaz

To: Sub Divisional Officer  
 Buildings Sub Division No.9, Lahore.

Project: Construction of Apartments 4th to 6th Storeyed for BS 18-19 Officers at Qurban Lines (Phase-II) Lahore.

Our Ref. No. CL/CED/ 3555

Dated: 22-11-23

Test Specification

Your Ref. No. 3260/9th

Dated: 08-11-23

( BS 3921\*\* )

## COMPRESSION TEST REPORT



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

Specimens received on: 17-11-23    Tested on: 22-11-23    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       | ZS    | ---           | --- | ---  | 9.2 x 4.5 x 2.9 | ---                     | 3305                    | 41.4                          | 48                          | 2597                     | ---                  | ---     |
| 2       | ZS    | ---           | --- | ---  | 8.8 x 4.3 x 2.9 | ---                     | 3135                    | 37.84                         | 44                          | 2605                     | ---                  | ---     |
| 3       | ZS    | ---           | --- | ---  | 8.9 x 4.3 x 3   | ---                     | 3085                    | 38.27                         | 40                          | 2341                     | ---                  | ---     |
| 4       | ZS    | ---           | --- | ---  | 9 x 4.3 x 2.9   | ---                     | 3110                    | 38.7                          | 44                          | 2547                     | ---                  | ---     |
| 5       | ZS    | ---           | --- | ---  | 8.9 x 4.3 x 3   | ---                     | 3300                    | 38.27                         | 46                          | 2692                     | ---                  | ---     |
| 6       | ZS    | ---           | --- | ---  | 8.8 x 4.3 x 3   | ---                     | 3205                    | 37.84                         | 44                          | 2605                     | ---                  | ---     |
| 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-reports/>

- \* 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)
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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.

6259  
Dr. Rizwan Riaz

To: Sub Divisional Officer  
Buildings Sub Division No.9, Lahore.

Project: Construction of Apartments 4th to 6th Storeyed for BS 18-19 Officers at Qurban Lines (Phase-II) Lahore.

Our Ref. No. CL/CED/ 3556

Dated: 22-11-23

Test Specification

Your Ref. No. 3159/9th

Dated: 02-11-23

(BS 1881-116)

## COMPRESSION TEST REPORT



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

Specimens received on: 17-11-23 Tested on: 22-11-23 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       | 4th Floor Slab (1:2:4) | 3             | 10  | 2023 | 6 x 6 x 6    | ---                     | 8.2                     | 36                            | 85                          | 5289                     | ---                  | Non Engraved |
| 2       | 4th Floor Slab (1:2:4) | 3             | 10  | 2023 | 6 x 6 x 6    | ---                     | 9.2                     | 36                            | 77                          | 4791                     | ---                  | Non Engraved |
| 3       | 4th Floor Slab (1:2:4) | 3             | 10  | 2023 | 6 x 6 x 6    | ---                     | 8.8                     | 36                            | 77                          | 4791                     | ---                  | 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-reports/>

- \* 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

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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.

6247  
 Dr. Aqsa

To: Resident Engineer  
 ECSP BGNU.

Project: Engineering Consultancy Services for Construction of Baba Guru Nanak University, Nankana Sahib.  
 (M/s Shafiq Construction Company)

Our Ref. No. CL/CED/ 3557

Dated: 22-11-23

Test Specification

Your Ref. No. ECSP/BGNU/82

Dated: 16-10-23

( BS 1881-116 )

## COMPRESSION TEST REPORT



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

Specimens received on: 15-11-23    Tested on: 21-11-23    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       | Top Roof Slab (1:2:4) | 16            | 9   | 2023 | 6 x 6 x 6    | ---                     | 9.2                     | 36                            | 99                          | 6160                     | ---                  | Engraved |
| 2       | Top Roof Slab (1:2:4) | 16            | 9   | 2023 | 6 x 6 x 6    | ---                     | 9.2                     | 36                            | 92                          | 5724                     | ---                  | Engraved |
| 3       | Top Roof Slab (1:2:4) | 16            | 9   | 2023 | 6 x 6 x 6    | ---                     | 9.2                     | 36                            | 97                          | 6036                     | ---                  | 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-reports/>

- \* 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

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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.

6247  
 Dr. Aqsa

To: Resident Engineer  
 ECSP BGNU.

Project: Engineering Consultancy Services for Construction of Baba Guru Nanak University, Nankana Sahib.  
 (M/s Shafiq Construction Company)

Our Ref. No. CL/CED/ 3558

Dated: 22-11-23

Test Specification

Your Ref. No. ECSP/BGNU/86

Dated: 28-10-23

( BS 1881-116 )

## COMPRESSION TEST REPORT



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

Specimens received on: 15-11-23    Tested on: 21-11-23    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       | Top Roof Columns (1:2:4) | 30            | 9   | 2023 | 6 x 6 x 6    | ---                     | 9.2                     | 36                            | 78                          | 4853                     | ---                  | Engraved |
| 2       | Top Roof Columns (1:2:4) | 30            | 9   | 2023 | 6 x 6 x 6    | ---                     | 9                       | 36                            | 81                          | 5040                     | ---                  | Engraved |
| 3       | Top Roof Columns (1:2:4) | 30            | 9   | 2023 | 6 x 6 x 6    | ---                     | 9                       | 36                            | 87                          | 5413                     | ---                  | 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-reports/>

- \* 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.

6253  
Dr. M. Mazhar

To: Mr. Muhammad Asif  
Project Manager, Imperium Developers

Project: Construction of Sixty6 at Gulberg-III, Lahore.

Our Ref. No. CL/CED/ 3559

Dated: 22-11-23

Test Specification

Your Ref. No. IMP/66/09/106

Dated: 16-11-23

(ASTM C39)

## COMPRESSION TEST REPORT



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

Specimens received on: 17-11-23 Tested on: 22-11-23 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       | (3500 Psi) | 3             | 10  | 2023 | 6Diax12      | ---                     | 14.2                    | 28.28                         | 72                          | 5703                     | ---                  | Non Engraved |
| 2       | (3500 Psi) | 3             | 10  | 2023 | 6Diax12      | ---                     | 14.8                    | 28.28                         | 74                          | 5861                     | ---                  | Non Engraved |
| 3       | ---        | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 4       | ---        | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 5       | ---        | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 6       | ---        | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 7       | ---        | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 8       | ---        | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 9       | ---        | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 10      | ---        | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 11      | ---        | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 12      | ---        | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 13      | ---        | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 14      | ---        | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 15      | ---        | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 16      | ---        | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |

Witnessed by: Mr. M. Husnain, Imperium Developers

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

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

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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.

6253

Dr. M. Mazhar

To: Mr. Muhammad Asif  
Project Manager, Imperium Developers

Project: Construction of Sixty6 at Gulberg-III, Lahore.

Our Ref. No. CL/CED/ 3560

Dated: 22-11-23

Test Specification

Your Ref. No. IMP/66/09/107

Dated: 16-11-23

(ASTM C39)

## COMPRESSION TEST REPORT



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

Specimens received on: 17-11-23 Tested on: 22-11-23 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       | (5000 Psi) | 10            | 10  | 2023 | 6Diax12      | ---                     | 14.8                    | 28.28                         | 77                          | 6099                     | ---                  | Non Engraved |
| 2       | (5000 Psi) | 10            | 10  | 2023 | 6Diax12      | ---                     | 15                      | 28.28                         | 95                          | 7525                     | ---                  | Non Engraved |
| 3       | ---        | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 4       | ---        | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 5       | ---        | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 6       | ---        | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 7       | ---        | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 8       | ---        | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 9       | ---        | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 10      | ---        | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 11      | ---        | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 12      | ---        | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 13      | ---        | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 14      | ---        | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 15      | ---        | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 16      | ---        | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |

Witnessed by: Mr. M. Husnain, Imperium Developers

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

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Supervisor (Lab)

Director/Dy. Director Concrete Laboratory



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6253

Dr. M. Mazhar

To: Mr. Muhammad Asif  
Project Manager, Imperium Developers

Project: Construction of Sixty6 at Gulberg-III, Lahore.

Our Ref. No. CL/CED/ 3561

Dated: 22-11-23

Test Specification

Your Ref. No. IMP/66/09/108

Dated: 16-11-23

(ASTM C39)

## COMPRESSION TEST REPORT



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

Specimens received on: 17-11-23 Tested on: 22-11-23 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       | (3500 Psi) | 13            | 10  | 2023 | 6Diax12      | ---                     | 14.2                    | 28.28                         | 74                          | 5861                     | ---                  | Non Engraved |
| 2       | (3500 Psi) | 13            | 10  | 2023 | 6Diax12      | ---                     | 14.4                    | 28.28                         | 74                          | 5861                     | ---                  | Non Engraved |
| 3       | ---        | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 4       | ---        | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 5       | ---        | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 6       | ---        | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 7       | ---        | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 8       | ---        | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 9       | ---        | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 10      | ---        | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
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| 14      | ---        | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
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