



**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.

3514  
 Dr. Mazhar

**To:** (Shahid Tabassum), Divisional Forest Officer  
 Kasur Forest Division at Changa Manga.

**Project:** Strengthening of Protection Regime in Changa Manga Irrigated Plantation.

**Our Ref. No.** CL/CED/ 9331-2 of 2

**Dated:** 20/07/2022

**Test Specification**

**Your Ref. No.** 809/AC

**Dated:** 16/5/2022

( --- )

## COMPRESSION TEST REPORT



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

**Specimens received on:** 30/6/2022 **Tested on:** 20/07/2022 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       | Mortar Mix Ratio (1:6) | ---           | --- | ---  | 2x2x2 | ---          | 285                     | 4                       | 7                             | 3920                        | ---                      | Mortar Cube          |         |
| 2       | Mortar Mix Ratio (1:6) | ---           | --- | ---  | 2x2x2 | ---          | 290                     | 4                       | 8                             | 4480                        | ---                      | Mortar Cube          |         |
| 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-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**  
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**ORIGINAL**  
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3574  
 Dr. Mazhar

**To:** Sub Divisional Officer  
 Buildings Sub Division No. 12, Lahore

**Project:** Construction of Main Building Govt. Technical Training Institute for Women, Sabzazar Lahore.

**Our Ref. No.** CL/CED/ 9363

**Dated:** 20/7/2022

**Test Specification**

**Your Ref. No.** No. 328

**Dated:** 18/7/2022

( BS 1881-116 )

## COMPRESSION TEST REPORT



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

Specimens received on: **19/07/2022** Tested on: **20/7/2022** 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       | 1: 2: 4 Foundation (Plinth Beam) | 15            | 6   | 2022 | 6x6x6        | ---                     | 8.2                     | 36                            | 69                          | 4293                     | ---                  | Non Engraved |
| 2       | 1: 2: 4 Foundation (Plinth Beam) | 15            | 6   | 2022 | 6x6x6        | ---                     | 8.2                     | 36                            | 59                          | 3671                     | ---                  | Non Engraved |
| 3       | 1: 2: 4 Foundation (Plinth Beam) | 15            | 6   | 2022 | 6x6x6        | ---                     | 8.2                     | 36                            | 98                          | 6098                     | ---                  | Non Engraved |
| 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"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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**ORIGINAL**  
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3574  
 Dr. Mazhar

**To:** Sub Divisional Officer  
 Buildings Sub Division No. 15, Lahore

**Project:** Construction for Forest Complex at Ravi Road Lahore.

**Our Ref. No.** CL/CED/ 9364

**Dated:** 20/7/2022

**Test Specification**

**Your Ref. No.** No. 1886

**Dated:** 15/7/2022

( BS 1881-116 )

## COMPRESSION TEST REPORT



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

**Specimens received on:** 19/07/2022 **Tested on:** 20/7/2022 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       | 1:1 1/2: 3 Bsmt (Retaining Wall) | 1             | 6   | 2022 | 6x6x6        | ---                     | 8.6                     | 36                            | 94                          | 5849                     | ---                  | Non Engraved |
| 2       | 1:1 1/2: 3 Bsmt (Retaining Wall) | 1             | 6   | 2022 | 6x6x6        | ---                     | 8.4                     | 36                            | 73                          | 4542                     | ---                  | Non Engraved |
| 3       | 1:1 1/2: 3 Bsmt (Retaining Wall) | 1             | 6   | 2022 | 6x6x6        | ---                     | 8.4                     | 36                            | 98                          | 6098                     | ---                  | Non Engraved |
| 4       | ---                              | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 5       | ---                              | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 6       | ---                              | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 7       | ---                              | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 8       | ---                              | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 9       | ---                              | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 10      | ---                              | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 11      | ---                              | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 12      | ---                              | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 13      | ---                              | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 14      | ---                              | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 15      | ---                              | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 16      | ---                              | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |

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**ORIGINAL**  
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3574  
 Dr. Mazhar

**To:** Sub Divisional Officer  
 Buildings Sub Division No. 15, Lahore

**Project:** Construction of Court Rooms for Judicial Officers at Model Town Lahore Group No. 1.

**Our Ref. No.** CL/CED/ 9365

**Dated:** 20/7/2022

**Test Specification**

**Your Ref. No.** No. 1888

**Dated:** 15/7/2022

( BS 1881-116 )

## COMPRESSION TEST REPORT



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

Specimens received on: **19/07/2022** Tested on: **20/7/2022** 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       | 1: 2: 4 1st Floor (Slab) | 16            | 6   | 2022 | 6x6x6        | ---                     | 8.4                     | 36                            | 86                          | 5351                     | ---                  | Non Engraved |
| 2       | 1: 2: 4 1st Floor (Slab) | 16            | 6   | 2022 | 6x6x6        | ---                     | 8                       | 36                            | 53                          | 3298                     | ---                  | Non Engraved |
| 3       | 1: 2: 4 1st Floor (Slab) | 16            | 6   | 2022 | 6x6x6        | ---                     | 8                       | 36                            | 61                          | 3796                     | ---                  | Non Engraved |
| 4       | ---                      | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 5       | ---                      | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 6       | ---                      | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 7       | ---                      | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 8       | ---                      | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 9       | ---                      | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 10      | ---                      | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 11      | ---                      | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 12      | ---                      | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 13      | ---                      | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 14      | ---                      | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 15      | ---                      | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 16      | ---                      | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |

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**ORIGINAL**  
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3574  
 Dr. Mazhar

To: Sub Divisional Officer  
 Buildings Sub Division No. 15, Lahore

Project: Construction for Forest Complex at Ravi Road Lahore.

Our Ref. No. CL/CED/ 9366

Dated: 20/7/2022

Test Specification

Your Ref. No. No. 1884

Dated: 15/7/2022

( BS 1881-116 )

**COMPRESSION TEST REPORT**



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

Specimens received on: 19/07/2022 Tested on: 20/7/2022 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       | 1:1 1/2: 3 Bsmt (Columns) | 17            | 6   | 2022 | 6x6x6        | ---                     | 8.4                     | 36                            | 116                         | 7218                     | ---                  | Non Engraved |
| 2       | 1:1 1/2: 3 Bsmt (Columns) | 17            | 6   | 2022 | 6x6x6        | ---                     | 8.2                     | 36                            | 83                          | 5164                     | ---                  | Non Engraved |
| 3       | 1:1 1/2: 3 Bsmt (Columns) | 17            | 6   | 2022 | 6x6x6        | ---                     | 8                       | 36                            | 55                          | 3422                     | ---                  | Non Engraved |
| 4       | ---                       | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 5       | ---                       | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 6       | ---                       | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 7       | ---                       | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 8       | ---                       | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 9       | ---                       | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 10      | ---                       | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 11      | ---                       | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 12      | ---                       | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 13      | ---                       | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 14      | ---                       | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 15      | ---                       | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 16      | ---                       | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |

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3566  
 Dr. Mazhar

To: M. Bisharat  
 Khushi Mohammad Construction Company

Project: Construction of Beacon House School Hafizabad.

Our Ref. No. CL/CED/ 9367

Dated: 20/7/2022

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: 18/07/2022 Tested on: 20/7/2022 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       | ---   | 21            | 6   | 2022 | 6x6x6        | ---                     | 9.2                     | 36                            | 120                         | 7467                     | ---                  | Engraved |
| 2       | ---   | 21            | 6   | 2022 | 6x6x6        | ---                     | 9                       | 36                            | 110                         | 6844                     | ---                  | 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"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.

3566  
 Dr. Mazhar

To: M. Bisharat  
 Khushi Mohammad Construction Company

Project: Construction of Beacon House School Hafizabad

Our Ref. No. CL/CED/ 9368

Dated: 20/7/2022

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: 18/07/2022 Tested on: 20/7/2022 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       | ---   | 23            | 6   | 2022 | 6x6x6        | ---                     | 9                       | 36                            | 85                          | 5289                     | ---                  | Non Engraved |
| 2       | ---   | 23            | 6   | 2022 | 6x6x6        | ---                     | 9                       | 36                            | 94                          | 5849                     | ---                  | 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-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.

3579  
 Dr. Mazhar

To: Saqib Rafique  
 Project Manager, BEMSOL Private Limited.

Project: StarchPack Greenfield Project at Kasur.

Our Ref. No. CL/CED/ 9369

Dated: 20/7/2022

Test Specification

Your Ref. No. BPL/2022071911

Dated: 19/07/2022

( BS 1881-116 )

## COMPRESSION TEST REPORT



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

Specimens received on: 19/07/2022 Tested on: 20/7/2022 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       | 35MPA TM#11 | 15            | 6   | 2022 | 6x6x6        | ---                     | 8.8                     | 36                            | 108                         | 6720                     | ---                  | Non Engraved |
| 2       | 35MPA TM#11 | 15            | 6   | 2022 | 6x6x6        | ---                     | 8.6                     | 36                            | 108                         | 6720                     | ---                  | Non Engraved |
| 3       | 35MPA TM#11 | 15            | 6   | 2022 | 6x6x6        | ---                     | 8.6                     | 36                            | 116                         | 7218                     | ---                  | Non Engraved |
| 4       | ---         | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 5       | ---         | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 6       | ---         | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 7       | ---         | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 8       | ---         | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 9       | ---         | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 10      | ---         | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 11      | ---         | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 12      | ---         | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 13      | ---         | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 14      | ---         | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 15      | ---         | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 16      | ---         | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |

Witnessed by:

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

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

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

- The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
- The test results are recommended to be interpreted in the light of above factors by the engineer.

Supervisor (Lab)

Director/Dy. Director Concrete Laboratory





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

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

3579  
 Dr. Mazhar

To: **Saqib Rafique**  
 Project Manager, BEMSOL Private Limited

Project: StarchPack Greenfield Project at Kasur.

Our Ref. No. CL/CED/ 9370

Dated: 20/7/2022

Test Specification

Your Ref. No. BPL/2022071903

Dated: 19/07/2022

( BS 1881-116 )

## COMPRESSION TEST REPORT



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

Specimens received on: **19/07/2022** Tested on: **20/7/2022** 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       | 35MPA Lab#03 | 19            | 6   | 2022 | 6x6x6        | ---                     | 8.4                     | 36                            | 81                          | 5040                     | ---                  | Non Engraved |
| 2       | 35MPA Lab#03 | 19            | 6   | 2022 | 6x6x6        | ---                     | 8.6                     | 36                            | 83                          | 5164                     | ---                  | Non Engraved |
| 3       | 35MPA Lab#03 | 19            | 6   | 2022 | 6x6x6        | ---                     | 8.4                     | 36                            | 92                          | 5724                     | ---                  | Non Engraved |
| 4       | ---          | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 5       | ---          | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 6       | ---          | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 7       | ---          | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 8       | ---          | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 9       | ---          | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 10      | ---          | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 11      | ---          | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 12      | ---          | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 13      | ---          | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 14      | ---          | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 15      | ---          | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 16      | ---          | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |

Witnessed by:

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

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

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

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

3579  
 Dr. Mazhar

**To:** Saqib Rafique  
 Project Manager, BEMSOL Private Limited

**Project:** StarchPack Greenfield Project at Kasur.

**Our Ref. No.** CL/CED/ 9371

**Dated:** 20/7/2022

**Test Specification**

**Your Ref. No.** BPL/2022071912

**Dated:** 19/07/2022

( BS 1881-116 )

## COMPRESSION TEST REPORT



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

**Specimens received on:** 19/07/2022 **Tested on:** 20/7/2022 **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       | 26MPA TM #12 | 20            | 6   | 2022 | 6x6x6        | ---                     | 8.6                     | 36                            | 81                          | 5040                     | ---                  | Non Engraved |
| 2       | 26MPA TM #12 | 20            | 6   | 2022 | 6x6x6        | ---                     | 8.4                     | 36                            | 83                          | 5164                     | ---                  | Non Engraved |
| 3       | 26MPA TM #12 | 20            | 6   | 2022 | 6x6x6        | ---                     | 8.4                     | 36                            | 86                          | 5351                     | ---                  | Non Engraved |
| 4       | ---          | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 5       | ---          | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 6       | ---          | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 7       | ---          | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 8       | ---          | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 9       | ---          | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 10      | ---          | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 11      | ---          | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 12      | ---          | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 13      | ---          | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 14      | ---          | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 15      | ---          | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 16      | ---          | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |

**Witnessed by:**

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

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

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

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

3568  
 Dr. Mazhar

**To:** Engr. Imran Saddique  
 Planning & Coordination Engineer Ittefaq Building Solutions (Pvt) Ltd.

**Project:** Cotton Godowns Reliance Cotton Spinning Mills Ltd.

**Our Ref. No.** CL/CED/ 9372

**Dated:** 20/7/2022

**Test Specification**

**Your Ref. No.** IBS/RCG/01

**Dated:** 18/07/2022

( BS 1881-116 )

## COMPRESSION TEST REPORT



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

**Specimens received on:** 18/07/2022 **Tested on:** 20/7/2022 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       | Column (4500 Psi)   | 20            | 5   | 2022 | 6x6x6        | ---                     | 8                       | 36                            | 81                          | 5040                     | ---                  | Non Engraved |
| 2       | Column (4500 Psi)   | 20            | 5   | 2022 | 6x6x6        | ---                     | 8.6                     | 36                            | 63                          | 3920                     | ---                  | Non Engraved |
| 3       | TT Beam (3000 Psi)  | 21            | 5   | 2022 | 6x6x6        | ---                     | 8.4                     | 36                            | 83                          | 5164                     | ---                  | Non Engraved |
| 4       | TT Beam (3000 Psi)  | 21            | 5   | 2022 | 6x6x6        | ---                     | 8                       | 36                            | 86                          | 5351                     | ---                  | Non Engraved |
| 5       | Tie Beam (3000 Psi) | 23            | 5   | 2022 | 6x6x6        | ---                     | 8.6                     | 36                            | 100                         | 6222                     | ---                  | Non Engraved |
| 6       | Tie Beam (3000 Psi) | 23            | 5   | 2022 | 6x6x6        | ---                     | 8.4                     | 36                            | 108                         | 6720                     | ---                  | Non Engraved |
| 7       | Footings (3000 Psi) | 24            | 5   | 2022 | 6x6x6        | ---                     | 8.4                     | 36                            | 77                          | 4791                     | ---                  | Non Engraved |
| 8       | Footings (3000 Psi) | 24            | 5   | 2022 | 6x6x6        | ---                     | 8.4                     | 36                            | 83                          | 5164                     | ---                  | Non Engraved |
| 9       | ---                 | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 10      | ---                 | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 11      | ---                 | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 12      | ---                 | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 13      | ---                 | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 14      | ---                 | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 15      | ---                 | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 16      | ---                 | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |

**Witnessed by:**

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

- \* as engraved on the specimens (if any)
- \*\* BS3921 requires average of ten clay brick samples for crushing strength and water absorption
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- \*\*\*\* ACI318-08 requires mean of two sample (6"diax12" 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.

3572  
 Dr. Mazhar

To: Colonel Azim Ilyas (R)  
 Executive Director/ Secretary Lahore Diocesan Board of Education

Project: St. Deny's High School, Phase-3, Murree.

Our Ref. No. CL/CED/ 9373

Dated: 20/7/2022

Test Specification

Your Ref. No. COORD/124/10/BLDG

Dated: 19/07/2022

( BS 1881-116 )

## COMPRESSION TEST REPORT



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

Specimens received on: 19/07/2022 Tested on: 20/7/2022 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       | RCC Col. (1: 2: 4) | 19            | 3   | 2021 | 6x6x6        | ---                     | 8.2                     | 36                            | 85                          | 5289                     | ---                  | Engraved |
| 2       | RCC Col. (1: 2: 4) | 19            | 3   | 2021 | 6x6x6        | ---                     | 8                       | 36                            | 96                          | 5973                     | ---                  | Engraved |
| 3       | RCC Col. (1: 2: 4) | 19            | 3   | 2021 | 6x6x6        | ---                     | 8.2                     | 36                            | 81                          | 5040                     | ---                  | Engraved |
| 4       | ---                | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---      |
| 5       | ---                | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---      |
| 6       | ---                | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---      |
| 7       | ---                | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---      |
| 8       | ---                | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---      |
| 9       | ---                | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---      |
| 10      | ---                | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---      |
| 11      | ---                | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---      |
| 12      | ---                | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---      |
| 13      | ---                | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---      |
| 14      | ---                | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---      |
| 15      | ---                | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---      |
| 16      | ---                | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---      |

Witnessed by:

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

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

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

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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.

3575  
 Dr. Mazhar

**To:** Sub Divisional Officer  
 Buildings Sub Division No. 10, Lahore

**Project:** Construction of PS Bhatti Gate Adjacent to PS Tibbi City, Lahore.

**Our Ref. No.** CL/CED/ 9374

**Dated:** 20/7/2022

**Test Specification**

**Your Ref. No.** 1953/10th

**Dated:** 18/6/2022

( BS 1881-116 )

## COMPRESSION TEST REPORT



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

**Specimens received on:** 19/07/2022 **Tested on:** 20/7/2022 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       | Pile Foundation (1:2:4) | 31            | 5   | 2022 | 6x6x6        | ---                     | 8.4                     | 36                            | 73                          | 4542                     | ---                  | Engraved |
| 2       | Pile Foundation (1:2:4) | 31            | 5   | 2022 | 6x6x6        | ---                     | 8.6                     | 36                            | 63                          | 3920                     | ---                  | 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-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**  
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 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.

3575  
 Dr. Mazhar

**To:** Sub Divisional Officer  
 Buildings Sub Division No. 10, Lahore

**Project:** Construction of PS Bhatti Gate Adjacent to PS Tibbi City, Lahore.

**Our Ref. No.** CL/CED/ 9375

**Dated:** 20/7/2022

**Test Specification**

**Your Ref. No.** 1990/10th

**Dated:** 24/6/2022

( BS 1881-116 )

## COMPRESSION TEST REPORT



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

**Specimens received on:** 19/07/2022 **Tested on:** 20/7/2022 **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       | Pile Foundation (1:2:4) | 1             | 6   | 2022 | 6x6x6        | ---                     | 8.4                     | 36                            | 53                          | 3298                     | ---                  | Engraved |
| 2       | Pile Foundation (1:2:4) | 1             | 6   | 2022 | 6x6x6        | ---                     | 8.4                     | 36                            | 65                          | 4044                     | ---                  | 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-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.

3573  
 Dr. Mazhar

**To:** Sub Divisional Officer  
 Buildings Sub Division No. 20, Lahore

**Project:** Construction of Multi-Purpose Complex at Civic Centre Jubilee Town, Lahore (ADP No. 2483 For the Year 2021-22)

**Our Ref. No.** CL/CED/ 9376

**Dated:** 20/7/2022

**Test Specification**

**Your Ref. No.** 1325/20th

**Dated:** 18/07/2022

( BS 1881-116 )

## COMPRESSION TEST REPORT



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

Specimens received on: **19/07/2022** Tested on: **20/7/2022** 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       | First Floor Slab<br>(1: 2: 4) | 4             | 7   | 2022 | 6x6x6        | ---                     | 8.4                     | 36                            | 51                          | 3173                     | ---                  | Non Engraved |
| 2       | First Floor Slab<br>(1: 2: 4) | 4             | 7   | 2022 | 6x6x6        | ---                     | 8.2                     | 36                            | 45                          | 2800                     | ---                  | Non Engraved |
| 3       | ---                           | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 4       | ---                           | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 5       | ---                           | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 6       | ---                           | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 7       | ---                           | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 8       | ---                           | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 9       | ---                           | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 10      | ---                           | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 11      | ---                           | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 12      | ---                           | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 13      | ---                           | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 14      | ---                           | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 15      | ---                           | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 16      | ---                           | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |

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

3565  
 Dr. Mazhar

To: M. Suliman Chughtai  
 Harbanspura Lahore Cantt.

Project: Construction of Astrontech and Addon at Kalam Kaar Road, Ferozpur Road Lahore.

Our Ref. No. CL/CED/ 9377

Dated: 20/7/2022

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: 18/07/2022 Tested on: 20/7/2022 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       | Concrete ratio (1: 2: 4) | 7             | 7   | 2022 | 6x6x6        | ---                     | 7.8                     | 36                            | 25                          | 1556                     | ---                  | Non Engraved |
| 2       | Concrete ratio (1: 2: 4) | 7             | 7   | 2022 | 6x6x6        | ---                     | 8.2                     | 36                            | 35                          | 2178                     | ---                  | Non Engraved |
| 3       | ---                      | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 4       | ---                      | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 5       | ---                      | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 6       | ---                      | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 7       | ---                      | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 8       | ---                      | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 9       | ---                      | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 10      | ---                      | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 11      | ---                      | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 12      | ---                      | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 13      | ---                      | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 14      | ---                      | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 15      | ---                      | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |
| 16      | ---                      | ---           | --- | ---  | ---          | ---                     | ---                     | ---                           | ---                         | ---                      | ---                  | ---          |

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Director/Dy. Director Concrete Laboratory