

**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. |
|                     |

8574 Dr. Qasim Khan

### To: Engr. Haseeb Afzal

Project Manager, HMB Developers Pvt. Ltd

Project: Commercial Tower, Finance Trade Centre, Lahore (10th Floor Slab Pour 1 N'-G'/1-4')

| Our Ref. No. CL/ | CED/ 6950                  | Dated: | 1/3/2025 | Test Specification |
|------------------|----------------------------|--------|----------|--------------------|
| Your Ref. No.    | HMBDPL/S.O/01/25/157 (LHR) | Dated: | 1/3/2025 | (ASTM C39)         |

## **COMPRESSION TEST REPORT**



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

| Specim  | ens received on:  | 1   | /3/20 | )25     | Tested on:       | 1/3/              | 2025                | in dry/we            | t condition      |                    | 0                           | 10.000 M     |
|---------|-------------------|-----|-------|---------|------------------|-------------------|---------------------|----------------------|------------------|--------------------|-----------------------------|--------------|
| Sr. No. | Mark*             | Cas | ting  | Date*   | Size             | Wet<br>Weight     | Dry<br>Weight       | Area of<br>X-Section | Ultimate<br>load | Ultimate<br>Stress | Water<br>Absorpti<br>on (%) | Remarks      |
| 1       | CT 172 (2500 Poi) | 5   | 12    | 2024    | (III)<br>6Diax12 | (rtg/ gills)      | (Rg/ gills)<br>15   | 28.28                | 74               | (p3i)<br>5961      |                             | Non Engraved |
| 1       | CI-172 (3500 PSI) | Э   | 12    | 2024    | 6Diax 12         |                   | 15                  | 20.20                | 74               | 2001               |                             | Non Engraved |
| 2       | CT-172 (3500 Psi) | 5   | 12    | 2024    | 6Diax12          |                   | 14.2                | 28.28                | 60               | 4752               |                             | Non Engraved |
| 3       | CT-172 (3500 Psi) | 5   | 12    | 2024    | 6Diax12          |                   | 14.2                | 28.28                | 63               | 4990               |                             | Non Engraved |
| 4       |                   |     |       |         |                  |                   |                     |                      |                  |                    |                             |              |
| 5       |                   |     |       |         |                  | NHNE              | RING                |                      |                  |                    |                             |              |
| 6       |                   |     |       |         | )                | READ IN           | ROTT                | <b>_</b>             |                  |                    |                             |              |
| 7       |                   |     |       |         | È                | OF THY<br>CREATES | ریج<br>الد کی خلق ر |                      |                  |                    |                             |              |
| 8       |                   |     |       |         |                  |                   |                     | 5                    |                  |                    |                             |              |
| 9       |                   |     |       |         | >                | 200-              |                     | °<                   |                  |                    |                             |              |
| 10      |                   |     |       |         | <                | / A               | IORE.               |                      |                  |                    |                             |              |
| 11      |                   |     |       |         |                  |                   |                     |                      |                  |                    |                             |              |
| 12      |                   |     |       |         |                  |                   |                     |                      |                  |                    |                             |              |
| 13      |                   |     |       |         |                  |                   |                     |                      |                  |                    |                             |              |
| 14      |                   |     |       |         |                  |                   |                     |                      |                  |                    |                             |              |
| 15      |                   |     |       |         |                  |                   |                     |                      |                  |                    |                             |              |
| 16      |                   |     |       |         |                  |                   |                     |                      |                  |                    |                             |              |
| Witness | ad by: Mr. Chulam | Nah |       | 110 251 | 001 1040410 1    |                   |                     |                      |                  |                    |                             |              |

### Witnessed by: Mr. Ghulam Nabi, CNIC 35201-1248412-1

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

1.  $^{\star}$  as engraved on the specimens (if any)

2. \*\* BS3921 requires average of ten clay brick samples for crushing strength and water absorption

3. \*\*\* BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

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

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

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

2. The test results are recommended to be interpreted in the light of above factors by the engineer.



**Civil Engineering Department** 

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8490 Engr. A. Rehman

To: Al-Hadeed Corporation Liberty Tower, Gulberg-III, Lahore.

Project: Construction of Shell Petrol Pump at Yateem Khana, Lahore

| Our Ref. No. CL/ | CED/ 6951  | Dated: | 1/3/2025   | Test Specification |
|------------------|------------|--------|------------|--------------------|
| Your Ref. No.    | AHC/561/13 | Dated: | 23/12/2024 | (ASTM C39)         |

-

## **COMPRESSION TEST REPORT**



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

| Specim  | ens received on:  | 23        | 8/12/2     | 2024          | Tested on:   | 1/3/                          | 2025                        | in dry/we                        | t condition                    |                             | Ŀ                           | i Crimento   |
|---------|-------------------|-----------|------------|---------------|--------------|-------------------------------|-----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|--------------|
| Sr. No. | Mark*             | Cas<br>DD | ting<br>MM | Date*<br>YYYY | Size<br>(in) | Wet<br>Weight<br>(Kg/ gms)    | Dry<br>Weight<br>(Kg/ gms)  | Area of<br>X-Section<br>(Sq. in) | Ultimate<br>Ioad<br>(Imp.Tons) | Ultimate<br>Stress<br>(psi) | Water<br>Absorpti<br>on (%) | Remarks      |
| 1       | Ground Floor Slab | 25        | 11         | 2024          | 6Diax12      |                               | 13.2                        | 28.28                            | 50                             | 3960                        |                             | Non Engraved |
| 2       | Ground Floor Slab | 25        | 11         | 2024          | 6Diax12      |                               | 14                          | 28.28                            | 49                             | 3881                        |                             | Non Engraved |
| 3       | Ground Floor Slab | 25        | 11         | 2024          | 6Diax12      |                               | 14                          | 28.28                            | 50                             | 3960                        |                             | Non Engraved |
| 4       |                   |           |            |               |              |                               |                             |                                  |                                |                             |                             |              |
| 5       |                   |           |            |               |              | HINE                          | RIA                         |                                  |                                |                             |                             |              |
| 6       |                   |           |            |               |              | READIN                        |                             |                                  |                                |                             |                             |              |
| 7       |                   |           |            |               |              | OF THY<br>HORD WHO<br>OREATES | ز <u>ع</u> ۔<br>اندکی خلق ر |                                  |                                |                             |                             |              |
| 8       |                   |           |            |               | 88.          |                               |                             | 5                                |                                |                             |                             |              |
| 9       |                   |           |            |               |              |                               | 1                           |                                  |                                |                             |                             |              |
| 10      |                   |           |            |               |              | / A                           | IDRL.                       |                                  |                                |                             |                             |              |
| 11      |                   |           |            |               |              |                               |                             |                                  |                                |                             |                             |              |
| 12      |                   |           |            |               |              |                               |                             |                                  |                                |                             |                             |              |
| 13      |                   |           |            |               |              |                               |                             |                                  |                                |                             |                             |              |
| 14      |                   |           |            |               |              |                               |                             |                                  |                                |                             |                             |              |
| 15      |                   |           |            |               |              |                               |                             |                                  |                                |                             |                             |              |
| 16      |                   |           |            |               |              |                               |                             |                                  |                                |                             |                             |              |
| Mitnood | ad by             |           |            |               |              |                               |                             |                                  |                                |                             |                             |              |

### Witnessed by:

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

1. \* as engraved on the specimens (if any)

2. \*\* BS3921 requires average of ten clay brick samples for crushing strength and water absorption

3. \*\*\* BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

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

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

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

2. The test results are recommended to be interpreted in the light of above factors by the engineer.



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8490 Engr. A. Rehman

To: **Al-Hadeed Corporation** Liberty Tower, Gulberg-III, Lahore

Project: Construction of Shell Petrol Pump at Yateem Khana, Lahore.

| Our Ref. No. CL/CED/ 6952 | Dated: | 1/3/2025   | Test Specification |
|---------------------------|--------|------------|--------------------|
| Your Ref. No. AHC/562/13  | Dated: | 23/12/2024 | (ASTM C39)         |

## COMPRESSION TEST REPORT



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

| Specim  | ens received on: | 23        | 8/12/2     | 2024          | Tested on:   | 1/3/                         | 2025                       | in dry/we                        | t condition                    |                             |                             |              |  |
|---------|------------------|-----------|------------|---------------|--------------|------------------------------|----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|--------------|--|
| Sr. No. | Mark*            | Cas<br>DD | ting<br>MM | Date*<br>YYYY | Size<br>(in) | Wet<br>Weight<br>(Kg/ gms)   | Dry<br>Weight<br>(Kg/ gms) | Area of<br>X-Section<br>(Sq. in) | Ultimate<br>Ioad<br>(Imp.Tons) | Ultimate<br>Stress<br>(psi) | Water<br>Absorpti<br>on (%) | Remarks      |  |
| 1       | Fuel Tank Bed    | 25        | 11         | 2024          | 6Diax12      |                              | 14                         | 28.28                            | 59                             | 4673                        |                             | Non Engraved |  |
| 2       | Fuel Tank Bed    | 25        | 11         | 2024          | 6Diax12      |                              | 13.8                       | 28.28                            | 49                             | 3881                        |                             | Non Engraved |  |
| 3       | Fuel Tank Bed    | 25        | 11         | 2024          | 6Diax12      |                              | 14                         | 28.28                            | 44                             | 3485                        |                             | Non Engraved |  |
| 4       |                  |           |            |               |              |                              |                            |                                  |                                |                             |                             |              |  |
| 5       |                  |           |            |               | <            | NETNE                        | RING                       |                                  |                                |                             |                             |              |  |
| 6       |                  |           |            |               | 🔪            | READ IN                      | 2071                       |                                  |                                |                             |                             |              |  |
| 7       |                  |           |            |               |              | OF THY<br>GRO WHO<br>OREATES | ریجی<br>اندگی خلق ر        |                                  |                                |                             |                             |              |  |
| 8       |                  |           |            |               | S.R. 1       |                              |                            |                                  |                                | -                           |                             |              |  |
| 9       |                  |           |            |               |              |                              |                            | ~                                |                                | -                           |                             |              |  |
| 10      |                  |           |            |               | <            | / A                          | IOR <u>E</u>               |                                  |                                |                             |                             |              |  |
| 11      |                  |           |            |               |              |                              |                            |                                  |                                |                             |                             |              |  |
| 12      |                  |           |            |               |              |                              |                            |                                  |                                |                             |                             |              |  |
| 13      |                  |           |            |               |              |                              |                            |                                  |                                |                             |                             |              |  |
| 14      |                  |           |            |               |              |                              |                            |                                  |                                |                             |                             |              |  |
| 15      |                  |           |            |               |              |                              |                            |                                  |                                |                             |                             |              |  |
| 16      |                  |           |            |               |              |                              |                            |                                  |                                |                             |                             |              |  |
| 1.4.0.4 |                  |           |            |               |              |                              |                            |                                  |                                |                             |                             |              |  |

#### Witnessed by:

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

1. \* as engraved on the specimens (if any)

2. \*\* BS3921 requires average of ten clay brick samples for crushing strength and water absorption

3. \*\*\* BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

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

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

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

2. The test results are recommended to be interpreted in the light of above factors by the engineer.

## Director/Dy. Director Concrete Laboratory



**Civil Engineering Department** 

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8568 Engr. A. Rehman

### To: Engr. Haseeb Afzal

Project Manager, HMB Developers Pvt. Ltd

Project: Commercial Tower, Finance Trade Centre, Lahore (10th Floor Slab Pour 1 N'-G'/1-4')

| Our Ref. No. CL/ | CED/ 6953                  | Dated: | 1/3/2025 | Test Specification |
|------------------|----------------------------|--------|----------|--------------------|
| Your Ref. No.    | HMBDPL/S.O/01/25/156 (LHR) | Dated: | 1/2/2025 | (ASTM C39)         |

## **COMPRESSION TEST REPORT**



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

| Specim  | ens received on:  | 1   | /2/20 | 25      | Tested on:    | 1/3/                       | 2025                 | in dry/we            | t condition      |                    | 0                           | ]C.20249     |
|---------|-------------------|-----|-------|---------|---------------|----------------------------|----------------------|----------------------|------------------|--------------------|-----------------------------|--------------|
| Sr. No. | Mark*             | Cas | ting  | Date*   | Size          | Wet<br>Weight<br>(Ka/ ams) | Dry<br>Weight        | Area of<br>X-Section | Ultimate<br>load | Ultimate<br>Stress | Water<br>Absorpti<br>on (%) | Remarks      |
| 1       | CT-172 (3500 Pei) | 5   | 12    | 2024    | 6Diax12       | (itg/ giiis)               | 13 A                 | 28.28                | 38               | 3010               |                             | Non Engraved |
|         | OT 172 (0500 P 3) | 5   | 12    | 2024    | 0010212       |                            | 10.4                 | 20.20                |                  | 0007               |                             | Non Engraved |
|         | CT-172 (3500 PSI) | 5   | 12    | 2024    | 6Diax12       |                            | 14.4                 | 20.20                | 42               | 3327               |                             | Non Engraved |
| 3       | CT-172 (3500 Psi) | 5   | 12    | 2024    | 6Diax12       |                            | 13.8                 | 28.28                | 38               | 3010               |                             | Non Engraved |
| 4       |                   |     |       |         |               |                            |                      |                      |                  |                    |                             |              |
| 5       |                   |     |       |         |               | NHINE                      | RING                 |                      |                  |                    |                             |              |
| 6       |                   |     |       |         | >             | READ IN                    | 2071                 | <b>_</b>             |                  |                    |                             |              |
| 7       |                   |     |       |         |               | OF THY<br>CREATES          | رتبک<br>الد کی خلق ر | 133                  |                  |                    |                             |              |
| 8       |                   |     |       |         |               |                            |                      | 5                    |                  |                    |                             |              |
| 9       |                   |     |       |         | >             | 200                        |                      | ₹                    |                  |                    |                             |              |
| 10      |                   |     |       |         | <             |                            | IORE.                |                      |                  |                    |                             |              |
| 11      |                   |     |       |         |               |                            |                      |                      |                  |                    |                             |              |
| 12      |                   |     |       |         |               |                            |                      |                      |                  |                    |                             |              |
| 13      |                   |     |       |         |               |                            |                      |                      |                  |                    |                             |              |
| 14      |                   |     |       |         |               |                            |                      |                      |                  |                    |                             |              |
| 15      |                   |     |       |         |               |                            |                      |                      |                  |                    |                             |              |
| 16      |                   |     |       |         |               |                            |                      |                      |                  |                    |                             |              |
| Witness | ed by: Mr. Ghulam | Nab | i, CN | IIC 352 | 201-1248412-1 |                            |                      |                      |                  |                    |                             |              |

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

1. \* as engraved on the specimens (if any)

2. \*\* BS3921 requires average of ten clay brick samples for crushing strength and water absorption

3. \*\*\* BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

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

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

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

2. The test results are recommended to be interpreted in the light of above factors by the engineer.



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8528 Engr. A. Rehman

**Test Specification** 

(BS 1881-116)

1/3/2025

30/12/2024

To: Mr. Riaz Ahmed

**Riaz Construction Company** 

Project: TCF High School Karankay, Cantt. Area Lahore.

| Our Ref. No. CL/CED | 6954 | Dated: |
|---------------------|------|--------|
| Your Ref. No. N     | I    | Dated: |

Your Ref. No. Nil

# COMPRESSION TEST REPORT

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



#### Witnessed by:

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

1. \* as engraved on the specimens (if any)

2. \*\* BS3921 requires average of ten clay brick samples for crushing strength and water absorption

3. \*\*\* BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

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

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

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

2. The test results are recommended to be interpreted in the light of above factors by the engineer.



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

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

8555 Engr. A. Rehman

To: Mr. M. Atique Anwar

Coolmax Building Technologies, Karachi

Project: Urban City Lahore Gate Civil Work Narowal Road Muridke.

| Our Ref. No. CL/CE | ED/ 6955 | Dated: | 1/3/2025 | Test Specification |
|--------------------|----------|--------|----------|--------------------|
| Your Ref. No.      | Nil      | Dated: | 1/1/2025 | ( BS 1881-116 )    |

## COMPRESSION TEST REPORT



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

| Specim  | ens received on: | 1   | /1/20 | )25   | Tested on: | 1/3/                           | 2025                 | in dry/wet           | condition        |                    |                   | ] Certain and |
|---------|------------------|-----|-------|-------|------------|--------------------------------|----------------------|----------------------|------------------|--------------------|-------------------|---------------|
| Sr. No. | Mark*            | Cas | ting  | Date* | Size       | Wet<br>Weight                  | Dry<br>Weight        | Area of<br>X-Section | Ultimate<br>Ioad | Ultimate<br>Stress | Water<br>Absorpti | Remarks       |
|         |                  | DD  | MM    | YYYY  | (in)       | (Kg/ gms)                      | (Kg/ gms)            | (Sq. in)             | (Imp.Tons)       | (psi)              | 011 ( 76)         |               |
| 1       | (3000 Psi)       | 13  | 12    | 2024  | 6x6x6      |                                | 8.6                  | 36                   | 91               | 5662               |                   | Non Engraved  |
| 2       | (3000 Psi)       | 15  | 12    | 2024  | 6x6x6      |                                | 9                    | 36                   | 88               | 5476               |                   | Non Engraved  |
| 3       | (3000 Psi)       | 15  | 12    | 2024  | 6x6x6      |                                | 9.2                  | 36                   | 90               | 5600               |                   | Non Engraved  |
| 4       | (3000 Psi)       | 17  | 12    | 2024  | 6x6x6      |                                | 9                    | 36                   | 74               | 4604               |                   | Engraved      |
| 5       | (3000 Psi)       | 17  | 12    | 2024  | 6x6x6      | NETNE                          | 9.2                  | 36                   | 97               | 6036               |                   | Non Engraved  |
| 6       |                  |     |       |       | - >        |                                | 2071                 | <b>_</b>             |                  |                    |                   |               |
| 7       |                  |     |       |       |            | OF THY<br>-USRD WHO<br>OREATES | رتبک<br>الد کی خلق ر | 133                  |                  |                    |                   |               |
| 8       |                  |     |       |       | - 88       |                                |                      |                      |                  |                    |                   |               |
| 9       |                  |     |       |       | >          | 10-                            | - 2                  | °                    |                  |                    |                   |               |
| 10      |                  |     |       |       | <          |                                | IOR <u>E</u>         |                      |                  |                    |                   |               |
| 11      |                  |     |       |       |            |                                |                      |                      |                  |                    |                   |               |
| 12      |                  |     |       |       |            |                                |                      |                      |                  |                    |                   |               |
| 13      |                  |     |       |       |            |                                |                      |                      |                  |                    |                   |               |
| 14      |                  |     |       |       |            |                                |                      |                      |                  |                    |                   |               |
| 15      |                  |     |       |       |            |                                |                      |                      |                  |                    |                   |               |
| 16      |                  |     |       |       |            |                                |                      |                      |                  |                    |                   |               |
| Witness | ad by            |     |       |       |            |                                |                      |                      |                  |                    |                   |               |

#### witnessed by:

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

1. \* as engraved on the specimens (if any)

2. \*\* BS3921 requires average of ten clay brick samples for crushing strength and water absorption

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

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

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

2. The test results are recommended to be interpreted in the light of above factors by the engineer.



Project: Institutional Strengthening of Primary & Secondary Health Care Department Punjab "Construction of **Development Wing"** Our Ref. No. CL/CED/ 6956 Dated: 1/3/2025 **Test Specification** Your Ref. No. No. 680 Dated: 30/12/2024 (BS 1881-116)

1/3/2025

in dry/wet condition

## **COMPRESSION TEST REPORT**

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

1/1/2025 Tested on:



Remarks

Engraved

Engraved Engraved

| Sr. No. | Mark*   | Casting Date* |            |      | Size  | Wet<br>Weight | Dry<br>Weight | Area of<br>X-Section | Ultimate<br>Ioad | Ultimate<br>Stress | Water<br>Absorpti |
|---------|---------|---------------|------------|------|-------|---------------|---------------|----------------------|------------------|--------------------|-------------------|
|         |         | DD            | DD MM YYYY |      | (in)  | (Kg/ gms)     | (Kg/ gms)     | (Sq. in)             | (Imp.Tons)       | (psi)              | on (%)            |
| 1       | (1:2:4) | 1             | 12         | 2024 | 6x6x6 |               | 8.8           | 36                   | 99               | 6160               |                   |
| 2       | (1:2:4) | 1             | 12         | 2024 | 6x6x6 |               | 9             | 36                   | 91               | 5662               |                   |
| 3       | (1:2:4) | 1             | 12         | 2024 | 6x6x6 |               | 9             | 36                   | 96               | 5973               |                   |
| 4       |         |               |            |      |       |               |               |                      |                  |                    |                   |
| 5       |         |               |            |      |       | HNE           | RI/H-         |                      |                  |                    |                   |

| 4  | <br> | <br> |      |                                |                     |          | <br> | <br> |
|----|------|------|------|--------------------------------|---------------------|----------|------|------|
| 5  | <br> | <br> |      | THINE                          | RING                |          | <br> | <br> |
| 6  | <br> | <br> | >    | KEAU N                         | 2071                | <u> </u> | <br> | <br> |
| 7  |      | <br> |      | OF THY<br>-CORD WHO<br>CREATES | زیجب<br>الذکی خلق ر |          | <br> | <br> |
| 8  | <br> | <br> | - 48 |                                |                     | 5-       | <br> | <br> |
| 9  | <br> | <br> | 7    | 2                              |                     | ~        | <br> | <br> |
| 10 | <br> | <br> |      |                                | IORE.               |          | <br> | <br> |
| 11 | <br> | <br> |      |                                |                     |          | <br> | <br> |
| 12 | <br> | <br> |      |                                |                     |          | <br> | <br> |
| 13 | <br> | <br> |      |                                |                     |          | <br> | <br> |
| 14 | <br> | <br> |      |                                |                     |          | <br> | <br> |
| 15 | <br> | <br> |      |                                |                     |          | <br> | <br> |
| 16 | <br> | <br> |      |                                |                     |          | <br> | <br> |

#### Witnessed by:

Specimens received on:

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

1. \* as engraved on the specimens (if any)

2. \*\* BS3921 requires average of ten clay brick samples for crushing strength and water absorption

3. \*\*\* BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

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

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

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

2. The test results are recommended to be interpreted in the light of above factors by the engineer.



# **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.

8569 Engr. A. Rehman

To: Mr. Khan Khalid Igbal DGM (Retail Engineering) Gas & Oil Pakistan Limited (GOPL)

Project: Construction of GOPL Petrol Station at G.T. Road, Gujranwala.

| Our Ref. No. CL/CED/ 6957 | Dated: | 1/3/2025 | Test Specification |
|---------------------------|--------|----------|--------------------|
| Your Ref. No. Nil         | Dated: | 1/3/2025 | ( )                |

## COMPRESSION TEST REPORT



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

| Specimens received on: |                             | 1/3/2025  |            | 25            | Tested on:      | l on: 1/3/2025                |                            | in dry/wet condition             |                                |                             |                             |         |
|------------------------|-----------------------------|-----------|------------|---------------|-----------------|-------------------------------|----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|---------|
| Sr. No.                | Mark*                       | Cas<br>DD | ting<br>MM | Date*<br>YYYY | Size<br>(in)    | Wet<br>Weight<br>(Kg/ gms)    | Dry<br>Weight<br>(Kg/ gms) | Area of<br>X-Section<br>(Sq. in) | Ultimate<br>load<br>(Imp.Tons) | Ultimate<br>Stress<br>(psi) | Water<br>Absorpti<br>on (%) | Remarks |
| 1                      | Rectangular, Grey,<br>60 mm |           |            |               | 7.7 x 3.8 x 2.3 |                               | 2750                       | 29.26                            | 93                             | 7120                        |                             |         |
| 2                      | Rectangular, Grey,<br>60 mm |           |            |               | 7.7 x 3.8 x 2.3 |                               | 2695                       | 29.26                            | 98                             | 7502                        |                             |         |
| 3                      | Rectangular, Grey,<br>60 mm |           |            |               | 7.7 x 3.8 x 2.3 |                               | 2745                       | 29.26                            | 118                            | 9033                        |                             |         |
| 4                      |                             |           |            |               |                 |                               |                            |                                  |                                |                             |                             |         |
| 5                      |                             |           |            |               | -               | . WEINE                       | RING .                     |                                  |                                |                             |                             |         |
| 6                      |                             |           |            |               |                 | REAU N                        | 2071                       |                                  |                                |                             |                             |         |
| 7                      |                             |           |            |               |                 | OF THY<br>LORD WHO<br>OREATES | زیجک<br>ان کی خلق ر        | <u></u>                          |                                |                             |                             |         |
| 8                      |                             |           |            |               | \$\}<br>        |                               |                            | 5                                |                                |                             |                             |         |
| 9                      |                             |           |            |               |                 |                               |                            | ≥∕                               |                                |                             |                             |         |
| 10                     |                             |           |            |               |                 | -LA                           | IORE.                      |                                  |                                |                             |                             |         |
| 11                     |                             |           |            |               |                 |                               |                            |                                  |                                |                             |                             |         |
| 12                     |                             |           |            |               |                 |                               |                            |                                  |                                |                             |                             |         |
| 13                     |                             |           |            |               |                 |                               |                            |                                  |                                |                             |                             |         |
| 14                     |                             |           |            |               |                 |                               |                            |                                  |                                |                             |                             |         |
| 15                     |                             |           |            |               |                 |                               |                            |                                  |                                |                             |                             |         |
| 16                     |                             |           |            |               |                 |                               |                            |                                  |                                |                             |                             |         |
|                        |                             |           |            |               |                 |                               |                            |                                  |                                |                             |                             |         |

### Witnessed by:

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

1. \* as engraved on the specimens (if any)

2. \*\* BS3921 requires average of ten clay brick samples for crushing strength and water absorption

3. \*\*\* BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

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

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

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

2. The test results are recommended to be interpreted in the light of above factors by the engineer.

### Director/Dy. Director 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.

8449 Engr. A. Rehman

To: Al Hadeed Corporation Liberty Tower, Gulberg III, Lahore.

Project: Construction of Shell Petrol Pump at Yateem Khana, Lahore.

| Our Ref. No. CL/0 | CED/ 6958  | Dated: | 1/3/2025   | Test Specification |
|-------------------|------------|--------|------------|--------------------|
| Your Ref. No.     | AHC/560/12 | Dated: | 17/12/2024 | ( )                |

-

# **COMPRESSION TEST REPORT**



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

| Specim      | ens received on:            | 17  | /12/2 | 2024  | Tested on:      | 1/3/                          | 2025               | in dry/we            | t condition      |                    |                   | o saiste |
|-------------|-----------------------------|-----|-------|-------|-----------------|-------------------------------|--------------------|----------------------|------------------|--------------------|-------------------|----------|
| Sr. No.     | Mark*                       | Cas | ting  | Date* | Size            | Wet<br>Weight                 | Dry<br>Weight      | Area of<br>X-Section | Ultimate<br>Ioad | Ultimate<br>Stress | Water<br>Absorpti | Remarks  |
|             |                             | DD  | MM    | YYYY  | (in)            | (Kg/ gms)                     | (Kg/ gms)          | (Sq. in)             | (Imp.Tons)       | (psi)              | on (%)            |          |
| 1           | Rectangular, Grey,<br>60 mm |     |       |       | 7.8 x 3.8 x 2.4 |                               | 2960               | 29.64                | 121              | 9144               |                   |          |
| 2           | Rectangular, Grey,<br>60 mm |     |       |       | 7.8 x 3.8 x 2.4 |                               | 2825               | 29.64                | 111              | 8389               |                   |          |
| 3           | Rectangular, Grey,<br>60 mm |     |       |       | 7.8 x 3.8 x 2.4 |                               | 2975               | 29.64                | 115              | 8691               |                   |          |
| 4           | Rectangular, Grey,<br>60 mm |     |       |       | 7.8 x 3.8 x 2.4 |                               | 2860               | 29.64                | 113              | 8540               |                   |          |
| 5           |                             |     |       |       |                 | <b>NHNE</b>                   | RING A             |                      |                  |                    |                   |          |
| 6           |                             |     |       |       | )               | READ IN                       | 2071               |                      |                  |                    |                   |          |
| 7           |                             |     |       |       |                 | OF THY<br>HORD WHO<br>OREATES | زیجک<br>الکی خلق ر | -                    |                  |                    |                   |          |
| 8           |                             |     |       |       |                 |                               |                    | 5-                   |                  |                    |                   |          |
| 9           |                             |     |       |       | - /             | 20-                           |                    | ·                    |                  |                    |                   |          |
| 10          |                             |     |       |       | <               | / A                           | IORL.              |                      |                  |                    |                   |          |
| 11          |                             |     |       |       |                 |                               |                    |                      |                  |                    |                   |          |
| 12          |                             |     |       |       |                 |                               |                    |                      |                  |                    |                   |          |
| 13          |                             |     |       |       |                 |                               |                    |                      |                  |                    |                   |          |
| 14          |                             |     |       |       |                 |                               |                    |                      |                  |                    |                   |          |
| 15          |                             |     |       |       |                 |                               |                    |                      |                  |                    |                   |          |
| 16          |                             |     |       |       |                 |                               |                    |                      |                  |                    |                   |          |
| 14/24-1-1-1 |                             |     |       |       |                 |                               |                    |                      |                  |                    |                   |          |

### Witnessed by:

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

1. \* as engraved on the specimens (if any)

2. \*\* BS3921 requires average of ten clay brick samples for crushing strength and water absorption

3. \*\*\* BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

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

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

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

2. The test results are recommended to be interpreted in the light of above factors by the engineer.



# **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.

8489 Engr. A. Rehman

#### To: Engr. Ghulam Rasool

Resident Engineer, Highways & Transportation Engg. Division, NESPAK, MCL, Nishtar Zone, Lhr

Project: Rehabilitation / Improvement of Streets (P.C.C.) Sewerage / Drainage UC-271 Nishtar Zone MCL

| Our Ref. No. CL | /CED/ 6959            | Dated: | 1/3/2025   | Test Specification |
|-----------------|-----------------------|--------|------------|--------------------|
| Your Ref. No.   | 4084/103/LDP/NZ/04/30 | Dated: | 18/12/2024 | ( BS 3921** )      |

## COMPRESSION TEST REPORT



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

| Specimens received on: |       | 23/12/2024 |            | 2024          | Tested on: 1/3/2025 |                            | 2025                        | in dry/wet condition             |                                |                             |                             | je ste o |
|------------------------|-------|------------|------------|---------------|---------------------|----------------------------|-----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|----------|
| Sr. No.                | Mark* | Cas<br>DD  | ting<br>MM | Date*<br>YYYY | Size<br>(in)        | Wet<br>Weight<br>(Kg/ gms) | Dry<br>Weight<br>(Kg/ gms)  | Area of<br>X-Section<br>(Sq. in) | Ultimate<br>Ioad<br>(Imp.Tons) | Ultimate<br>Stress<br>(psi) | Water<br>Absorpti<br>on (%) | Remarks  |
| 1                      | НВ    |            |            |               | 8.8 x 4.3 x 3       | 3775                       | 3490                        | 37.84                            | 44                             | 2605                        | 8.17                        |          |
| 2                      | НВ    |            |            |               | 8.8 x 4.3 x 3       | 3805                       | 3485                        | 37.84                            | 43                             | 2545                        | 9.18                        |          |
| 3                      | НВ    |            |            |               | 8.8 x 4.3 x 3       | 3600                       | 3340                        | 37.84                            | 44                             | 2605                        | 7.78                        |          |
| 4                      | НВ    |            |            |               | 8.9 x 4.2 x 3.1     | 3865                       | 3520                        | 37.38                            | 43                             | 2577                        | 9.8                         |          |
| 5                      | НВ    |            |            |               | 8.8 x 4.3 x 3       | 3670                       | 3425                        | 37.84                            | 43                             | 2545                        | 7.15                        |          |
| 6                      |       |            |            |               | >                   | READIN                     | 2071                        |                                  |                                |                             |                             |          |
| 7                      |       |            |            |               |                     | OF THY<br>GRATES           | ز <u>ع</u> ک<br>اندنی خلق ر | <b>E</b>                         |                                |                             |                             |          |
| 8                      |       |            |            |               |                     |                            |                             |                                  |                                |                             |                             |          |
| 9                      |       |            |            |               |                     |                            |                             | ~                                |                                |                             |                             |          |
| 10                     |       |            |            |               | <                   | / A                        | IOR <u>E</u>                |                                  |                                |                             |                             |          |
| 11                     |       |            |            |               |                     |                            |                             |                                  |                                |                             |                             |          |
| 12                     |       |            |            |               |                     |                            |                             |                                  |                                |                             |                             |          |
| 13                     |       |            |            |               |                     |                            |                             |                                  |                                |                             |                             |          |
| 14                     |       |            |            |               |                     |                            |                             |                                  |                                |                             |                             |          |
| 15                     |       |            |            |               |                     |                            |                             |                                  |                                |                             |                             |          |
| 16                     |       |            |            |               |                     |                            |                             |                                  |                                |                             |                             |          |

#### Witnessed by:

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

1. \* as engraved on the specimens (if any)

2. \*\* BS3921 requires average of ten clay brick samples for crushing strength and water absorption

3. \*\*\* BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

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

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

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

2. The test results are recommended to be interpreted in the light of above factors by the engineer.



**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.

8448 Engr. A. Rehman

To: Engr. Hassan Mahmood Resident Engineer, G3 Engineering Consultants (Pvt) Limited

Project: Construction of DHA NEW LIFE RESIDENCIA APARTMENTS at 273/1 Q Block Phase-II DHA, Lahore.

| Our Ref. No. CL/ | CED/ 6960         | Dated: | 1/3/2025   | Test Specification |
|------------------|-------------------|--------|------------|--------------------|
| Your Ref. No.    | G3/DHA-NLD/RE/291 | Dated: | 12/11/2024 | ( BS 3921** )      |

## COMPRESSION TEST REPORT



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

| Specimens received on: |             | 17/12/2024 |            | 2024          | Tested on:    | 1/3/2025                      |                             | in dry/wet condition             |                                |                             |                             |         |  |
|------------------------|-------------|------------|------------|---------------|---------------|-------------------------------|-----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|---------|--|
| Sr. No.                | Mark*       | Cas        | ting<br>MM | Date*<br>YYYY | Size<br>(in)  | Wet<br>Weight<br>(Kq/ qms)    | Dry<br>Weight<br>(Kq/ qms)  | Area of<br>X-Section<br>(Sq. in) | Ultimate<br>load<br>(Imp.Tons) | Ultimate<br>Stress<br>(psi) | Water<br>Absorpti<br>on (%) | Remarks |  |
| 1                      | 125         |            |            |               | 8.9 x 4.3 x 3 | 3700                          | 3280                        | 38.27                            | 22                             | 1288                        | 12.8                        |         |  |
| 2                      | 125         |            |            |               | 9 x 4.2 x 2.9 | 3695                          | 3350                        | 37.8                             | 24                             | 1422                        | 10.3                        |         |  |
| 3                      | 125         |            |            |               | 9 x 4.3 x 3   | 3750                          | 3295                        | 38.7                             | 24                             | 1389                        | 13.81                       |         |  |
| 4                      | 125         |            |            |               | 8.8 x 4.3 x 3 | 3755                          | 3340                        | 37.84                            | 34                             | 2013                        | 12.43                       |         |  |
| 5                      | 125         |            |            |               | 8.9 x 4.3 x 3 | 3660                          | 3235                        | 38.27                            | 38                             | 2224                        | 13.14                       |         |  |
| 6                      | 125         |            |            |               | 8.8 x 4.3 x 3 | 3675                          | 3265                        | 37.84                            | 38                             | 2249                        | 12.56                       |         |  |
| 7                      |             |            |            |               |               | OF THY<br>HORD WHO<br>CREATES | ز <u>ع</u> ک<br>اندکی خلق ر | £2                               |                                |                             |                             |         |  |
| 8                      |             |            |            |               | S.B.          |                               |                             | 5                                |                                |                             |                             |         |  |
| 9                      |             |            |            |               | -             |                               |                             | ~                                |                                | -                           |                             |         |  |
| 10                     |             |            |            |               | -             |                               | DRE                         |                                  |                                | -                           |                             |         |  |
| 11                     |             |            |            |               |               |                               |                             |                                  |                                |                             |                             |         |  |
| 12                     |             |            |            |               |               |                               |                             |                                  |                                |                             |                             |         |  |
| 13                     |             |            |            |               |               |                               |                             |                                  |                                | -                           |                             |         |  |
| 14                     |             |            |            |               |               |                               |                             |                                  |                                | -                           |                             |         |  |
| 15                     |             |            |            |               |               |                               |                             |                                  |                                |                             |                             |         |  |
| 16                     |             |            |            |               |               |                               |                             |                                  |                                |                             |                             |         |  |
| Witness                | Nitrocod by |            |            |               |               |                               |                             |                                  |                                |                             |                             |         |  |

#### witnessea by:

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

1. \* as engraved on the specimens (if any)

2. \*\* BS3921 requires average of ten clay brick samples for crushing strength and water absorption

3. \*\*\* BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

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

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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients) 2. The test results are recommended to be interpreted in the light of above factors by the engineer.

Supervisor (Lab)



**Civil Engineering Department** 

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

8397 Engr. A. Rehman

| То: | Mr. Muhammad Aman Ullah<br>Resident Engineer, Construction Management Division   | , NESPAK (Pvt) Ltd |            |  |  |  |  |  |  |  |
|-----|--|--------------------|------------|--|--|--|--|--|--|--|
|     | Project: Development of Underground External Electrification Network in LDA City Housing Scheme, Lahore (Development Area-I) |                    |            |  |  |  |  |  |  |  |
|     | Our Ref. No. CL/CED/ 6961  | Dated:             | 1/3/2025   |  |  |  |  |  |  |  |
|     | Your Ref. No. 4047/13/MA/04/440  | Dated:             | 21/11/2024 |  |  |  |  |  |  |  |

# COMPRESSION TEST REPORT



Test Specification (BS 3921\*\*)

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

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| Specim        | ens received on: | 12            | :/11/2 | 2024 | Tested on:            | 1/3/          | 2025                 | in dry/we        | t condition        |                   |         | o saiste |
|---------------|------------------|---------------|--------|------|-----------------------|---------------|----------------------|------------------|--------------------|-------------------|---------|----------|
| Sr. No. Mark* |                  | Casting Date* |        |      | e* Size Wet<br>Weight | Dry<br>Weight | Area of<br>X-Section | Ultimate<br>Ioad | Ultimate<br>Stress | Water<br>Absorpti | Remarks |          |
|               |                  | DD            | MM     | YYYY | (in)                  | (Kg/ gms)     | (Kg/ gms)            | (Sq. in)         | (Imp.Tons)         | (psi)             | on (%)  |          |
| 1             | ASJ              |               |        |      | 9.1 x 4.4 x 3         | 3950          | 3405                 | 40.04            | 24                 | 1343              | 16.01   |          |
| 2             | ASJ              |               |        |      | 8.8 x 4.2 x 3         | 3690          | 3410                 | 36.96            | 34                 | 2061              | 8.21    |          |
| 3             | ASJ              |               |        |      | 8.9 x 4.3 x 2.9       | 3680          | 3320                 | 38.27            | 36                 | 2107              | 10.84   |          |
| 4             | ASJ              |               |        |      | 8.8 x 4.3 x 2.9       | 3620          | 3360                 | 37.84            | 38                 | 2249              | 7.74    |          |
| 5             | ASJ              |               |        |      | 8.8 x 4.3 x 3         | 3635          | 3370                 | 37.84            | 36                 | 2131              | 7.86    |          |
| 6             | OR               |               |        |      | 8.8 x 4.2 x 3         | 3560          | 3215                 | 36.96            | 39                 | 2364              | 10.73   |          |
| 7             | OR               |               |        |      | 8.9 x 4.3 x 3         | 3570          | 3195                 | 38.27            | 22                 | 1288              | 11.74   |          |
| 8             | OR               |               |        |      | 8.9 x 4.4 x 3         | 3850          | 3380                 | 39.16            | 30                 | 1716              | 13.91   |          |
| 9             | OR               |               |        |      | 9 x 4.4 x 3           | 3925          | 3435                 | 39.6             | 34                 | 1923              | 14.26   |          |
| 10            | OR               |               |        |      | 8.8 x 4.3 x 3         | 3765          | 3300                 | 37.84            | 29                 | 1717              | 14.09   |          |
| 11            |                  |               |        |      |                       |               |                      |                  |                    |                   |         |          |
| 12            |                  |               |        |      |                       |               |                      |                  |                    |                   |         |          |
| 13            |                  |               |        |      |                       |               |                      |                  |                    |                   |         |          |
| 14            |                  |               |        |      |                       |               |                      |                  |                    |                   |         |          |
| 15            |                  |               |        |      |                       |               |                      |                  |                    |                   |         |          |
| 16            |                  |               |        |      |                       |               |                      |                  |                    |                   |         |          |
| Witness       | ed by:           |               |        |      |                       |               |                      |                  |                    |                   |         |          |

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vitnessea by:

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

1. \* as engraved on the specimens (if any)

2. \*\* BS3921 requires average of ten clay brick samples for crushing strength and water absorption

3. \*\*\* BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

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

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

1. The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients) 2. The test results are recommended to be interpreted in the light of above factors by the engineer.



**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.

8472 Engr. A. Rehman

To: Sub Divisional Officer Buildings Sub Division No. 19, Lahore

Project: Establishment of Nawaz Sharif Center of Excellence for Early Childhood Education at CLC Lahore

| Our Ref. No. CL/CI | ED/ 6962 | Dated: | 1/3/2025   | Test Specification |
|--------------------|----------|--------|------------|--------------------|
| Your Ref. No.      | No. 1810 | Dated: | 17/12/2024 | ( BS 3921** )      |

## COMPRESSION TEST REPORT



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

| Specimens received on: |       | 20/12/2024 Tested on: |            | 1/3/2025      |                 | in dry/wet condition       |                            |                                  |                                |                             |                             |         |
|------------------------|-------|-----------------------|------------|---------------|-----------------|----------------------------|----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|---------|
| Sr. No.                | Mark* | Cas<br>DD             | ting<br>MM | Date*<br>YYYY | Size<br>(in)    | Wet<br>Weight<br>(Kg/ gms) | Dry<br>Weight<br>(Kg/ gms) | Area of<br>X-Section<br>(Sq. in) | Ultimate<br>Ioad<br>(Imp.Tons) | Ultimate<br>Stress<br>(psi) | Water<br>Absorpti<br>on (%) | Remarks |
| 1                      | 7-MB  |                       |            |               | 9 x 4.4 x 3     | 3895                       | 3360                       | 39.6                             | 27                             | 1527                        | 15.92                       |         |
| 2                      | 7-MB  |                       |            |               | 8.9 x 4.3 x 3   | 3775                       | 3255                       | 38.27                            | 24                             | 1405                        | 15.98                       |         |
| 3                      | 7-MB  |                       |            |               | 9 x 4.4 x 3.1   | 3905                       | 3370                       | 39.6                             | 30                             | 1697                        | 15.88                       |         |
| 4                      | 7-MB  |                       |            |               | 8.9 x 4.4 x 3.1 | 3685                       | 3195                       | 39.16                            | 35                             | 2002                        | 15.34                       |         |
| 5                      | 7-MB  |                       |            |               | 9 x 4.3 x 3     | 3690                       | 3425                       | 38.7                             | 32                             | 1852                        | 7.74                        |         |
| 6                      |       |                       |            |               | 🔪               | READ IN                    | 2071                       | ×                                |                                |                             |                             |         |
| 7                      |       |                       |            |               |                 | OF THY<br>CREATES          | زیجب<br>الد فی خلق ر       | 103                              |                                |                             |                             |         |
| 8                      |       |                       |            |               |                 |                            |                            |                                  |                                |                             |                             |         |
| 9                      |       |                       |            |               | >               |                            |                            |                                  |                                |                             |                             |         |
| 10                     |       |                       |            |               | <               |                            | IORE.                      |                                  |                                |                             |                             |         |
| 11                     |       |                       |            |               |                 |                            |                            |                                  |                                |                             |                             |         |
| 12                     |       |                       |            |               |                 |                            |                            |                                  |                                |                             |                             |         |
| 13                     |       |                       |            |               |                 |                            |                            |                                  |                                |                             |                             |         |
| 14                     |       |                       |            |               |                 |                            |                            |                                  |                                |                             |                             |         |
| 15                     |       |                       |            |               |                 |                            |                            |                                  |                                |                             |                             |         |
| 16                     |       |                       |            |               |                 |                            |                            |                                  |                                |                             |                             |         |

#### Witnessed by:

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

1. \* as engraved on the specimens (if any)

2. \*\* BS3921 requires average of ten clay brick samples for crushing strength and water absorption

3. \*\*\* BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

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

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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients) 2. The test results are recommended to be interpreted in the light of above factors by the engineer.

Supervisor (Lab)



**Civil Engineering Department** 

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

8513 Engr. A. Rehman

### To: Mr. IMTINAN SHAUKAT Civil Generalist, Department of Civil Engineering, Ittehad Chemicals Limited

| Project: Nil              |        |            |                    |
|---------------------------|--------|------------|--------------------|
| Our Ref. No. CL/CED/ 6963 | Dated: | 1/3/2025   | Test Specification |
| Your Ref. No. Nil         | Dated: | 24/12/2024 | ( )                |

# **COMPRESSION TEST REPORT**



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

| Specimens received on: |                           | 26  | 6/12/2 | 2024  | Tested on: | 1/3/                          | 2025                        | in dry/we            | t condition      |                    |                   | je sledo |
|------------------------|---------------------------|-----|--------|-------|------------|-------------------------------|-----------------------------|----------------------|------------------|--------------------|-------------------|----------|
| Sr. No.                | Mark*                     | Cas | ting   | Date* | Size       | Wet<br>Weight                 | Dry<br>Weight               | Area of<br>X-Section | Ultimate<br>Ioad | Ultimate<br>Stress | Water<br>Absorpti | Remarks  |
|                        |                           | DD  | ММ     | YYYY  | (in)       | (Kg/ gms)                     | (Kg/ gms)                   | (Sq. in)             | (Imp.Tons)       | (psi)              | on (%)            |          |
| 1                      | Uni-Block, Grey, 80<br>mm |     |        |       | 3.1 thick  |                               | 4455                        | 37.44                | 63               | 3769               |                   |          |
| 2                      | Uni-Block, Grey, 80<br>mm |     |        |       | 3.1 thick  |                               | 4630                        | 37.44                | 60               | 3590               |                   |          |
| 3                      | Uni-Block, Grey, 80<br>mm |     |        |       | 3.1 thick  |                               | 4485                        | 37.44                | 50               | 2991               |                   |          |
| 4                      | Uni-Block, Grey, 80<br>mm |     |        |       | 3.1 thick  |                               | 4480                        | 37.44                | 64               | 3829               |                   |          |
| 5                      |                           |     |        |       | -          | THE                           | RING                        |                      |                  |                    |                   |          |
| 6                      |                           |     |        |       | -          | READIN                        | 207                         |                      |                  |                    |                   |          |
| 7                      |                           |     |        |       |            | OF THY<br>HORD WHO<br>OREATES | ز <u>ع</u> ک<br>اندکی خلق ر | £2                   |                  |                    |                   |          |
| 8                      |                           |     |        |       | \$¥.       |                               |                             | 5                    |                  |                    |                   |          |
| 9                      |                           |     |        |       |            |                               | -                           | ≥ <                  |                  |                    |                   |          |
| 10                     |                           |     |        |       |            |                               | IDR <u>E.</u>               |                      |                  |                    |                   |          |
| 11                     |                           |     |        |       |            |                               |                             |                      |                  |                    |                   |          |
| 12                     |                           |     |        |       |            |                               |                             |                      |                  |                    |                   |          |
| 13                     |                           |     |        |       |            |                               |                             |                      |                  |                    |                   |          |
| 14                     |                           |     |        |       |            |                               |                             |                      |                  |                    |                   |          |
| 15                     |                           |     |        |       |            |                               |                             |                      |                  |                    |                   |          |
| 16                     |                           |     |        |       |            |                               |                             |                      |                  |                    |                   |          |
| Witnessed by           |                           |     |        |       |            |                               |                             |                      |                  |                    |                   |          |

#### Witnessed by:

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

1. \* as engraved on the specimens (if any)

2. \*\* BS3921 requires average of ten clay brick samples for crushing strength and water absorption

3. \*\*\* BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

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

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

1. The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients) 2. The test results are recommended to be interpreted in the light of above factors by the engineer.



**Civil Engineering Department** 

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

8570 Engr. A. Rehman

#### To: Mr. Waqas Asif

**Director, ICON CONSTRUCTION SERVICES** 

Project: Fauzia & Harris Residence at Green Ford Lahore.

| Our Ref. No. CL/Cl | ED/ 6964 | Dated: | 1/3/2025 | Test Specification |
|--------------------|----------|--------|----------|--------------------|
| Your Ref. No.      | Nil      | Dated: | 1/2/2025 | ()                 |

## COMPRESSION TEST REPORT



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

| Specim  | ens received on:          | 1   | /3/20      | 25    | Tested on:   | 1/3/                          | 2025                             | in dry/we                        | t condition                    |                             |                             | je neg  |
|---------|---------------------------|-----|------------|-------|--------------|-------------------------------|----------------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|---------|
| Sr. No. | Mark*                     | Cas | ting<br>MM | Date* | Size<br>(in) | Wet<br>Weight<br>(Ka/ ams)    | Dry<br>Weight<br>(Ka/ ams)       | Area of<br>X-Section<br>(Sg. in) | Ultimate<br>load<br>(Imp.Tons) | Ultimate<br>Stress<br>(psi) | Water<br>Absorpti<br>on (%) | Remarks |
| 1       | Solid Block<br>(1500 Psi) |     |            |       | 11.8 x 4 x 8 |                               | 14.4                             | 47.2                             | 38                             | 1803                        |                             |         |
| 2       | Solid Block<br>(1500 Psi) |     |            |       | 11.8 x 4 x 8 |                               | 14.2                             | 47.2                             | 38                             | 1803                        |                             |         |
| 3       | Solid Block<br>(1500 Psi) |     |            |       | 11.8 x 4 x 8 |                               | 14.2                             | 47.2                             | 30                             | 1424                        |                             |         |
| 4       |                           |     |            |       |              |                               |                                  |                                  |                                |                             |                             |         |
| 5       |                           |     |            |       |              | NHNE                          | RING                             |                                  |                                |                             |                             |         |
| 6       |                           |     |            |       | -            | READIN                        |                                  |                                  |                                |                             |                             |         |
| 7       |                           |     |            |       |              | OF THY<br>CORD WHO<br>CREATES | ز <del>ی</del> ک<br>اند کی خلق ر | 133                              |                                |                             |                             |         |
| 8       |                           |     |            |       | 1            |                               |                                  |                                  |                                |                             |                             |         |
| 9       |                           |     |            |       |              |                               |                                  | ~                                |                                |                             |                             |         |
| 10      |                           |     |            |       | <            | / A                           | IORE                             |                                  |                                |                             |                             |         |
| 11      |                           |     |            |       |              |                               |                                  |                                  |                                |                             |                             |         |
| 12      |                           |     |            |       |              |                               |                                  |                                  |                                |                             |                             |         |
| 13      |                           |     |            |       |              |                               |                                  |                                  |                                |                             |                             |         |
| 14      |                           |     |            |       |              |                               |                                  |                                  |                                |                             |                             |         |
| 15      |                           |     |            |       |              |                               |                                  |                                  |                                |                             |                             |         |
| 16      |                           |     |            |       |              |                               |                                  |                                  |                                |                             |                             |         |
| NP4r    |                           |     |            |       |              |                               |                                  |                                  |                                |                             |                             |         |

### Witnessed by:

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

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