

**Civil Engineering Department** 

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

8064 Dr. M. Yousaf

To: Admin Manager RF Construction

Project: Plot No. 24, Block Q, Shah Alam Road, Johar Town Lahore.

| Our Ref. No. CL/0 | CED/ 6295          | Dated: | 30-10-24 | Test Specification |
|-------------------|--------------------|--------|----------|--------------------|
| Your Ref. No.     | 04/10/2024/By hand | Dated: | 22-10-24 | (ASTM C39)         |

## **COMPRESSION TEST REPORT**



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

| Specimo | ens received on:                     | 2         | 2-10       | -24           | Tested on:   | 28-2                          | 10-24                      | in dry/wet                       | condition                      |                             |                             | ONLINE REPORT |
|---------|--------------------------------------|-----------|------------|---------------|--------------|-------------------------------|----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|---------------|
| 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       | 3000 Psi                             | 15        | 10         | 2024          | 6Diax12      |                               | 13                         | 28.28                            | 30                             | 2376                        |                             | Non Engraved  |
| 2       | 3000 Psi                             | 15        | 10         | 2024          | 6Diax12      |                               | 14                         | 28.28                            | 36                             | 2851                        |                             | Non Engraved  |
| 3       |                                      |           |            |               |              |                               |                            |                                  |                                |                             |                             |               |
| 4       |                                      |           |            |               |              | /                             |                            |                                  |                                |                             |                             |               |
| 5       |                                      |           |            |               |              | NHNE                          | RING                       |                                  |                                |                             |                             |               |
| 6       |                                      |           |            |               | >            | READ IN                       | 2071                       |                                  |                                |                             |                             |               |
| 7       |                                      |           |            |               |              | OF THY<br>HORD WHO<br>CREATES | زیجک<br>الذکی خلق ر        | £21                              |                                |                             |                             |               |
| 8       |                                      |           |            |               | S.R. 1       |                               |                            |                                  |                                |                             |                             |               |
| 9       |                                      |           |            |               |              |                               | 10                         | ~                                |                                |                             |                             |               |
| 10      |                                      |           |            |               |              |                               | IOR <u>E</u>               |                                  |                                |                             |                             |               |
| 11      |                                      |           |            |               |              |                               |                            |                                  |                                |                             |                             |               |
| 12      |                                      |           |            |               |              |                               |                            |                                  |                                |                             |                             |               |
| 13      |                                      |           |            |               |              |                               |                            |                                  |                                |                             |                             |               |
| 14      |                                      |           |            |               |              |                               |                            |                                  |                                |                             |                             |               |
| 15      |                                      |           |            |               |              |                               |                            |                                  |                                |                             |                             |               |
| 16      |                                      |           |            |               |              |                               |                            |                                  |                                |                             |                             |               |
| Witness | Witnessed by: CNIC # 35201-3508795-1 |           |            |               |              |                               |                            |                                  |                                |                             |                             |               |

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 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)



**Civil Engineering Department** 

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8076 Dr. M. Yousaf

To: Admin Manager RF Construction

Project: Plot No. 24, Block Q, Shah Alam Road, Johar Town Lahore.

| Our Ref. No. CL/0 | CED/ 6296          | Dated: | 30-10-24 | Test Specification |
|-------------------|--------------------|--------|----------|--------------------|
| Your Ref. No.     | 05/10/2024/By hand | Dated: | 23-10-24 | (ASTM C39)         |

## **COMPRESSION TEST REPORT**



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

| Specimo                              | ens received on: | 2         | 3-10       | -24           | Tested on:   | 28-2                       | 10-24                      | in dry/we                        | condition                      |                             |                             | ONLINE REPORT |
|--------------------------------------|------------------|-----------|------------|---------------|--------------|----------------------------|----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|---------------|
| 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                                    | 4500 Psi         | 13        | 9          | 2024          | 6Diax12      |                            | 13                         | 28.28                            | 62                             | 4911                        |                             | Non Engraved  |
| 2                                    | 4500 Psi         | 13        | 9          | 2024          | 6Diax12      |                            | 13                         | 28.28                            | 70                             | 5545                        |                             | Non Engraved  |
| 3                                    |                  |           |            |               |              |                            |                            |                                  |                                |                             |                             |               |
| 4                                    |                  |           |            |               |              |                            |                            |                                  |                                |                             |                             |               |
| 5                                    |                  |           |            |               |              | NHNE                       | RING                       |                                  |                                |                             |                             |               |
| 6                                    |                  |           |            |               | >            | READ IN                    | 2071                       |                                  |                                |                             |                             |               |
| 7                                    |                  |           |            |               |              | OF THY                     | زیجب<br>الذکی خلق ر        |                                  |                                |                             |                             |               |
| 8                                    |                  |           |            |               |              |                            |                            | 5                                |                                |                             |                             |               |
| 9                                    |                  |           |            |               |              | 20                         | -                          |                                  |                                |                             |                             |               |
| 10                                   |                  |           |            |               |              |                            | IORL.                      |                                  |                                |                             |                             |               |
| 11                                   |                  |           |            |               |              |                            |                            |                                  |                                |                             |                             |               |
| 12                                   |                  |           |            |               |              |                            |                            |                                  |                                |                             |                             |               |
| 13                                   |                  |           |            |               |              |                            |                            |                                  |                                |                             |                             |               |
| 14                                   |                  |           |            |               |              |                            |                            |                                  |                                |                             |                             |               |
| 15                                   |                  |           |            |               |              |                            |                            |                                  |                                |                             |                             |               |
| 16                                   |                  |           |            |               |              |                            |                            |                                  |                                |                             |                             |               |
| Witnessed by: CNIC # 35201-3508795-1 |                  |           |            |               |              |                            |                            |                                  |                                |                             |                             |               |

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.

Supervisor (Lab)



**Civil Engineering Department** 

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

8036 Dr. Aqsa

## To: Procurement Manager

Q-Links Property Management Pvt. Ltd

Project: Gold Souq, Bahria Town Lahore. Our Ref. No. CL/CED/ 6297

Your Ref. No. QLC-Gold-2024-LT-FGK

# **COMPRESSION TEST REPORT**



Test Specification

(ASTM C39)

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

| Specim  | ens received on:                | 2   | 1-10       | -24   | Tested on:   | 29-1                          | 0-24                       | in dry/we                        | t condition                    |                             | Ŀ                           | i <i>censer</i> |
|---------|---------------------------------|-----|------------|-------|--------------|-------------------------------|----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|-----------------|
| 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       | R/W, Grid A/1-5<br>(4000 Psi)   | 9   | 10         | 2024  | 6Diax12      |                               | 14.4                       | 28.28                            | 58                             | 4594                        |                             | Non Engraved    |
| 2       | R/W, Grid A/1-5<br>(4000 Psi)   | 9   | 10         | 2024  | 6Diax12      |                               | 13.4                       | 28.28                            | 66                             | 5228                        |                             | Non Engraved    |
| 3       | Column,Grid B/2-3<br>(5000 Psi) | 9   | 10         | 2024  | 6Diax12      |                               | 13.6                       | 28.28                            | 66                             | 5228                        |                             | Non Engraved    |
| 4       |                                 |     |            |       |              |                               |                            |                                  |                                |                             |                             |                 |
| 5       |                                 |     |            |       |              | HINE                          | RIN S                      |                                  |                                |                             |                             |                 |
| 6       |                                 |     |            |       | )            | READ IN                       |                            |                                  |                                |                             |                             |                 |
| 7       |                                 |     |            |       |              | OF THY<br>UCRD WHO<br>CREATES | زیجے۔<br>اندکی خلق ر       |                                  |                                |                             |                             |                 |
| 8       |                                 |     |            |       | - 45         |                               |                            |                                  |                                |                             |                             |                 |
| 9       |                                 |     |            |       |              | -                             |                            | ~                                |                                | -                           |                             |                 |
| 10      |                                 |     |            |       |              | -1                            |                            |                                  |                                |                             |                             |                 |
| 11      |                                 |     |            |       |              |                               |                            |                                  |                                |                             |                             |                 |
| 12      |                                 |     |            |       |              |                               |                            |                                  |                                |                             |                             |                 |
| 13      |                                 |     |            |       |              |                               |                            |                                  |                                |                             |                             |                 |
| 14      |                                 |     |            |       |              |                               |                            |                                  |                                |                             |                             |                 |
| 15      |                                 |     |            |       |              |                               |                            |                                  |                                |                             |                             |                 |
| 16      |                                 |     |            |       |              |                               |                            |                                  |                                |                             |                             |                 |
|         |                                 |     |            |       |              |                               |                            |                                  |                                |                             |                             |                 |

Dated:

Dated:

30-10-24

16-10-24

### 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.



**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.

8118 Dr. Qasim Khan

### To: Engr. Haseeb Afzal

Project Manager, HMB Developers Pvt. Ltd

Project: Commercial Tower, Finance Trade Centre Lahore (8th Floor Shear Wall J-M/1-2)

| Our Ref. No. C | L/CED/ 6298               | Dated: | 30/10/2024 | Test Specification |
|----------------|---------------------------|--------|------------|--------------------|
| Your Ref. No.  | HMBDPL/S.O/10/24/137(LHR) | Dated: | 29/10/2024 | (ASTM C39)         |

## **COMPRESSION TEST REPORT**



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

| Specim  | ens received on:                                     | 29  | 0/10/2 | 2024  | Tested on: | 29/10                         | )/2024                           | in dry/we            | t condition      |                    | 0                           | i Cradistrij |
|---------|--|-----|--------|-------|------------|-------------------------------|----------------------------------|----------------------|------------------|--------------------|-----------------------------|--------------|
| 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<br>on (%) | Remarks      |
|         |  | 00  |        |       |            | (rtg/ gills)                  | (rty/ gills)                     |                      | (11111)          | (psi)              |                             |              |
| 1       | CT-154 (5000 PSI)                                    | 30  | 9      | 2024  | 6Diax12    |                               | 14                               | 28.28                | 85               | 6733               |                             | Non Engraved |
| 2       | CT-154 (5000 Psi)                                    | 30  | 9      | 2024  | 6Diax12    |                               | 14                               | 28.28                | 97               | 7683               |                             | Non Engraved |
| 3       | CT-154 (5000 Psi)                                    | 30  | 9      | 2024  | 6Diax12    |                               | 14                               | 28.28                | 100              | 7921               |                             | Non Engraved |
| 4       |  |     |        |       |            |                               |                                  |                      |                  |                    |                             |              |
| 5       |  |     |        |       |            | NHNE                          | RING                             |                      |                  |                    |                             |              |
| 6       |  |     |        |       | 🔪          | READ IN                       | 2071                             |                      |                  |                    |                             |              |
| 7       |  |     |        |       |            | OF THY<br>CORD WHO<br>CREATES | ز <del>ب</del> ک<br>اند کی خلق ر | 133                  |                  |                    |                             |              |
| 8       |  |     |        |       | - 8.8      |                               |                                  |                      |                  |                    |                             |              |
| 9       |  |     |        |       | >          |                               |                                  | ~                    |                  |                    |                             |              |
| 10      |  |     |        |       | <          |                               | IOR <u>E</u>                     |                      |                  |                    |                             |              |
| 11      |  |     |        |       |            |                               |                                  |                      |                  |                    |                             |              |
| 12      |  |     |        |       |            |                               |                                  |                      |                  |                    |                             |              |
| 13      |  |     |        |       |            |                               |                                  |                      |                  |                    |                             |              |
| 14      |  |     |        |       |            |                               |                                  |                      |                  |                    |                             |              |
| 15      |  |     |        |       |            |                               |                                  |                      |                  |                    |                             |              |
| 16      |  |     |        |       |            |                               |                                  |                      |                  |                    |                             |              |
| Witness | Witnessed by: Mr. AFTAB SOHAIL, CNIC 33103-0209597-3 |     |        |       |            |                               |                                  |                      |                  |                    |                             |              |

#### 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)



Specimens received on:

Mark\*

Sr. No.

# 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.

> 8069 Dr. Aqsa

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

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

Wet

Weight

| Our Ref. No. CL/ | CED/ 6299         | Dated: | 30/10/2024 | Test Specification |
|------------------|-------------------|--------|------------|--------------------|
| Your Ref. No.    | G3/DHA-NLD/RE/275 | Dated: | 22/10/2024 | (ASTM C39)         |

## COMPRESSION TEST REPORT

Size

(in)

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

Casting Date\*

DD MM YYYY

23/10/2024 Tested on:



| 1  | 5000 Psi | 23 | 9 | 2024 | 6Diax12 |                                | 13                            | 28.28 | 81 | 6416 | <br>Non Engrave |
|----|----------|----|---|------|---------|--------------------------------|-------------------------------|-------|----|------|-----------------|
| 2  | 5000 Psi | 23 | 9 | 2024 | 6Diax12 |                                | 13                            | 28.28 | 62 | 4911 | <br>Non Engrave |
| 3  | 5000 Psi | 23 | 9 | 2024 | 6Diax12 |                                | 14.6                          | 28.28 | 87 | 6891 | <br>Non Engrave |
| 4  |          |    |   |      |         |                                |                               |       |    |      | <br>            |
| 5  |          |    |   |      | -       | THINE                          | RING                          |       |    |      | <br>            |
| 6  |          |    |   |      | >       | KEAU N                         | 2007                          |       |    |      | <br>            |
| 7  |          |    |   |      |         | OF THY<br>-CORD WHO<br>OREATES | ز <u>ع</u> ے۔<br>الد کی خلق ر |       |    |      | <br>            |
| 8  |          |    |   |      | -48     |                                |                               | 5     |    |      | <br>            |
| 9  |          |    |   |      |         |                                | 100                           | ~     |    |      | <br>            |
| 10 |          |    |   |      |         |                                | IORE.                         |       |    |      | <br>            |
| 11 |          |    |   |      |         |                                |                               |       |    |      | <br>            |
| 12 |          |    |   |      |         |                                |                               |       |    |      | <br>            |
| 13 |          |    |   |      |         |                                |                               |       |    |      | <br>            |
| 14 |          |    |   |      |         |                                |                               |       |    |      | <br>            |
| 15 |          |    |   |      |         |                                |                               |       |    |      | <br>            |
| 16 |          |    |   |      |         |                                |                               |       |    |      | <br>            |

#### 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)

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**Civil Engineering Department** 

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

8117 Dr. Aqsa

## To: Mr. Ali Zahid Latif

Resident Engineer, NESPAK-TURKPAK JV

Project: Reconstruction of OLD P&D Building, Lahore

Our Ref. No. CL/CED/ 6300

Your Ref. No. 4674/P&D/13/09/AZL/58

## **COMPRESSION TEST REPORT**



Test Specification

(ASTM C39)

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

| Specim      | ens received on: | 29  | /10/2 | 2024  | Tested on: | 30/10                         | 0/2024                | in dry/we            | t condition      |                    |                             | i Cristiana (Cristiana) |
|-------------|------------------|-----|-------|-------|------------|-------------------------------|-----------------------|----------------------|------------------|--------------------|-----------------------------|-------------------------|
| 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                 |
|             |                  | DD  | ММ    | YYYY  | (in)       | (Kg/ gms)                     | (Kg/ gms)             | (Sq. in)             | (Imp.Tons)       | (psi)              | 0.11 (70)                   |                         |
| 1           | 'B'' 5000 Psi    | 11  | 9     | 2024  | 6Diax12    |                               | 14                    | 28.28                | 79               | 6257               |                             | Non Engraved            |
| 2           | 'B'' 5000 Psi    | 11  | 9     | 2024  | 6Diax12    |                               | 14.4                  | 28.28                | 70               | 5545               |                             | Non Engraved            |
| 3           | 'B'' 5000 Psi    | 11  | 9     | 2024  | 6Diax12    |                               | 14                    | 28.28                | 62               | 4911               |                             | Non Engraved            |
| 4           |                  |     |       |       |            |                               |                       |                      |                  |                    |                             |                         |
| 5           |                  |     |       |       |            | NHINE                         | RING                  |                      |                  |                    |                             |                         |
| 6           |                  |     |       |       | - >        | READ IN                       | 2071                  | <b>_</b>             |                  |                    |                             |                         |
| 7           |                  |     |       |       |            | OF THY<br>CORD WHO<br>CREATES | رچې ا<br>اند کې خلق ر | 103                  |                  |                    |                             |                         |
| 8           |                  |     |       |       | - 45       |                               |                       |                      |                  |                    |                             |                         |
| 9           |                  |     |       |       | >          |                               |                       | ~                    |                  |                    |                             |                         |
| 10          |                  |     |       |       | <          | / A                           | IOR <u>E</u>          |                      |                  |                    |                             |                         |
| 11          |                  |     |       |       |            |                               |                       |                      |                  |                    |                             |                         |
| 12          |                  |     |       |       |            |                               |                       |                      |                  |                    |                             |                         |
| 13          |                  |     |       |       |            |                               |                       |                      |                  |                    |                             |                         |
| 14          |                  |     |       |       |            |                               |                       |                      |                  |                    |                             |                         |
| 15          |                  |     |       |       |            |                               |                       |                      |                  |                    |                             |                         |
| 16          |                  |     |       |       |            |                               |                       |                      |                  |                    |                             |                         |
| 14/14-14-14 | and here         |     |       |       |            |                               |                       |                      |                  |                    |                             |                         |

Dated:

Dated:

7

30/10/2024

11-10-24

### Witnessed by:

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

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**Civil Engineering Department** 

University of Engineering and Technology, Lahore. Pakistan Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895 <u>ORIGINAL</u> A carbon copy for the report has been retained in the lab for record.

> 8097 Dr. Aqsa

### To: Mr. WAQAS ASIF

DIRECTOR, ICON CONSTRUCTION SERVICES, Johar Town, Lahore

Project: Fauzia & Harris Residence at Green Ford Lahore.

| Our Ref. No. CL/C | ED/ 6301 | Dated: | 30/10/2024 | Test Specification |
|-------------------|----------|--------|------------|--------------------|
| Your Ref. No.     | Nil      | Dated: | 28/10/2024 | (ASTM C39)         |

## **COMPRESSION TEST REPORT**

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

| Specim  | ens received on: | 28        | 8/10/2     | 2024          | Tested on:   | 30/10                          | )/2024                     | in dry/we                        | t condition                    |                             | Ē                           | jesues       |
|---------|------------------|-----------|------------|---------------|--------------|--------------------------------|----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|--------------|
| 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       | 3000 Psi         | 18        | 10         | 2024          | 6Diax12      |                                | 13                         | 28.28                            | 25                             | 1980                        |                             | Non Engraved |
| 2       | 3000 Psi         | 18        | 10         | 2024          | 6Diax12      |                                | 14                         | 28.28                            | 27                             | 2139                        |                             | Non Engraved |
| 3       |                  |           |            |               |              |                                |                            |                                  |                                |                             |                             |              |
| 4       |                  |           |            |               |              |                                |                            |                                  |                                |                             |                             |              |
| 5       |                  |           |            |               |              | WHINE                          | BIA S                      |                                  |                                |                             |                             |              |
| 6       |                  |           |            |               |              | READ N                         | 207                        |                                  |                                |                             |                             |              |
| 7       |                  |           |            |               |              | OF THY<br>-CORD WHO<br>OREATES | زیک۔<br>انڈکی خلق ر        |                                  |                                |                             |                             |              |
| 8       |                  |           |            |               |              |                                |                            |                                  |                                |                             |                             |              |
| 9       |                  |           |            |               | - 1          | 25                             |                            | ~                                |                                |                             |                             |              |
| 10      |                  |           |            |               |              | (A                             | IDRL.                      |                                  |                                |                             |                             |              |
| 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

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 Mobile: 0307-0496895 Landline: 042-99029245 & 042-99029202

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

> 8071 Dr. Aqsa

To: Mr. Muhammad Intikhab Akbar TAMEER CONSTRUCTION (PVT) Ltd, Thokar Niaz Baig, Lahore

Project: Indus Sugar Mills Ltd. at Rajanpur Civil Works BMR-2024

| Our Ref. No. CL | /CED/ 6302               | Dated: | 30/10/2024 | Test Specification |
|-----------------|--------------------------|--------|------------|--------------------|
| Your Ref. No.   | TCPL/ISML-CON/24/6119/01 | Dated: | 18/10/2024 | (ASTM C39)         |

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## **COMPRESSION TEST REPORT**



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

| Specim  | ens received on: | 23        | 8/10/2        | 2024 | Tested on:      | 30/10                         | 0/2024                     | in dry/we                        | t condition                    |                             |                             | i Cristiana (Cristiana) |
|---------|------------------|-----------|---------------|------|-----------------|-------------------------------|----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|-------------------------|
| Sr. No. | Mark*            | Cas<br>DD | Casting Date* |      | ting Date* Size |                               | 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       | 3000 Psi         | 13        | 9             | 2024 | 6Diax12         |                               | 13                         | 28.28                            | 68                             | 5386                        |                             | Non Engraved            |
| 2       | 3000 Psi         | 13        | 9             | 2024 | 6Diax12         |                               | 13                         | 28.28                            | 79                             | 6257                        |                             | Non Engraved            |
| 3       | 3000 Psi         | 13        | 9             | 2024 | 6Diax12         |                               | 12.4                       | 28.28                            | 47                             | 3723                        |                             | Non Engraved            |
| 4       | 3500 Psi         | 15        | 9             | 2024 | 6Diax12         |                               | 12.6                       | 28.28                            | 71                             | 5624                        |                             | Non Engraved            |
| 5       | 3500 Psi         | 15        | 9             | 2024 | 6Diax12         | white                         | R1/13                      | 28.28                            | 47                             | 3723                        |                             | Non Engraved            |
| 6       | 3500 Psi         | 15        | 9             | 2024 | 6Diax12         | READ IN                       | 14                         | 28.28                            | 58                             | 4594                        |                             | Non Engraved            |
| 7       |                  |           |               |      |                 | OF THY<br>WORD WHO<br>OREATES | ریجی<br>الدمی خلق ر        | -<br>FCH                         |                                |                             |                             |                         |
| 8       |                  |           |               |      |                 |                               |                            |                                  |                                |                             |                             |                         |
| 9       |                  |           |               |      | - )             | 20-                           |                            | P                                |                                |                             |                             |                         |
| 10      |                  |           |               |      | <               | -LA                           | IORL                       |                                  |                                |                             |                             |                         |
| 11      |                  |           |               |      |                 |                               |                            |                                  |                                |                             |                             |                         |
| 12      |                  |           |               |      |                 |                               |                            |                                  |                                |                             |                             |                         |
| 13      |                  |           |               |      |                 |                               |                            |                                  |                                |                             |                             |                         |
| 14      |                  |           |               |      |                 |                               |                            |                                  |                                |                             |                             |                         |
| 15      |                  |           |               |      |                 |                               |                            |                                  |                                |                             |                             |                         |
| 16      |                  |           |               |      |                 |                               |                            |                                  |                                |                             |                             |                         |
| Witness | ed 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 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.

Supervisor (Lab)



**Civil Engineering Department** 

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

8078 Dr. Aqsa

To: **Project Manager** SUNSHINE HEALTHCARE Private Limited

Project: SUNSHINE MEDICAL TOWER SHAHDRA

| Our Ref. No. CL/C | ED/ 6303 | Dated: | 30/10/2024 | Test Specification |
|-------------------|----------|--------|------------|--------------------|
| Your Ref. No.     | Nil      | Dated: | 23/10/2024 | (ASTM C39)         |

## COMPRESSION TEST REPORT

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

| Specim  | ens received on:  | 23  | 8/10/2 | 2024  | Tested on: | 30/10                         | 0/2024                         | in dry/wet           | condition        |                    | 0                 | 0 Crather |
|---------|-------------------|-----|--------|-------|------------|-------------------------------|--------------------------------|----------------------|------------------|--------------------|-------------------|-----------|
| 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     | ΥΥΥΥ  | (in)       | (Kg/ gms)                     | (Kg/ gms)                      | (Sq. in)             | (Imp.Tons)       | (psi)              | on (%)            |           |
| 1       | Wall Water Dipped | 18  | 9      | 2024  | 6Diax12    |                               | 13.6                           | 28.28                | 83               | 6574               |                   | Engraved  |
| 2       | Wall Water Dipped | 18  | 9      | 2024  | 6Diax12    |                               | 13.4                           | 28.28                | 74               | 5861               |                   | Engraved  |
| 3       | Wall Field Curing | 18  | 9      | 2024  | 6Diax12    |                               | 13.4                           | 28.28                | 71               | 5624               |                   | Engraved  |
| 4       | Wall Field Curing | 18  | 9      | 2024  | 6Diax12    |                               | 13.2                           | 28.28                | 83               | 6574               |                   | Engraved  |
| 5       | Slab Water Dipped | 18  | 9      | 2024  | 6Diax12    | <b>STATINE</b>                | RI/13                          | 28.28                | 61               | 4832               |                   | Engraved  |
| 6       | Slab Water Dipped | 18  | 9      | 2024  | 6Diax12    | READ IN                       | 14                             | 28.28                | 69               | 5465               |                   | Engraved  |
| 7       | Slab Field Curing | 18  | 9      | 2024  | 6Diax12    | OF THY<br>CORD WHO<br>CREATES | 14 <del>کے</del><br>اندی طنق ر | 28.28                | 63               | 4990               |                   | Engraved  |
| 8       | Slab Field Curing | 18  | 9      | 2024  | 6Diax12    |                               | 14                             | 28.28                | 61               | 4832               |                   | Engraved  |
| 9       |                   |     |        |       |            |                               | 10                             |                      |                  |                    |                   |           |
| 10      |                   |     |        |       |            | -14                           | IOR <u>E</u>                   |                      |                  |                    |                   |           |
| 11      |                   |     |        |       |            |                               |                                |                      |                  |                    |                   |           |
| 12      |                   |     |        |       |            |                               |                                |                      |                  |                    |                   |           |
| 13      |                   |     |        |       |            |                               |                                |                      |                  |                    |                   |           |
| 14      |                   |     |        |       |            |                               |                                |                      |                  |                    |                   |           |
| 15      |                   |     |        |       |            |                               |                                |                      |                  |                    |                   |           |
| 16      |                   |     |        |       |            |                               |                                |                      |                  |                    |                   |           |
|         | a al la u         |     |        |       |            |                               |                                |                      |                  |                    |                   |           |

### 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.



To:

# 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.

> 8085 Dr. Aqsa

Test Specification (ASTM C39)

| Mr. Mouazam Ali S  | hahzad                                   |                |                  |  |  |  |  |  |  |  |
|--|--|----------------|------------------|--|--|--|--|--|--|--|
| Asst. Resident Engineer, NEW VISION ENGINEERING CONSULTANT |  |                |                  |  |  |  |  |  |  |  |
| Project: UPGRADA   | TION & MODERNIZATION OF PAKISTAN MINT PH | ASE II-A SHALI | MAR TOWN GT ROAD |  |  |  |  |  |  |  |
| Our Ref. No. CL/CI   | ED/ 6304-1 of 2                          | Dated:         | 30/10/2024       |  |  |  |  |  |  |  |
| Your Ref. No.  | NVEC/RE/PAKMINT/2024/57                  | Dated:         | 15/10/2024       |  |  |  |  |  |  |  |

# COMPRESSION TEST REPORT

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

| Specim  | ens received on:                   | 24        | /10/2         | 2024 | Tested on:   | 29-1                            | 10-24                      | in dry/we                        | wet condition                  |                             | Ē                           | jesues       |
|---------|------------------------------------|-----------|---------------|------|--------------|---------------------------------|----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|--------------|
| Sr. No. | Mark*                              | Cas<br>DD | Casting Date* |      | 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       | Col. Upto Bracing<br>Beam-5000 Psi | 20        | 8             | 2024 | 6Diax12      |                                 | 13.4                       | 28.28                            | 61                             | 4832                        |                             | Non Engraved |
| 2       | Col. Upto Bracing<br>Beam-5000 Psi | 20        | 8             | 2024 | 6Diax12      |                                 | 12                         | 28.28                            | 61                             | 4832                        |                             | Non Engraved |
| 3       | Col. Upto Bracing<br>Beam-5000 Psi | 20        | 8             | 2024 | 6Diax12      |                                 | 14.2                       | 28.28                            | 68                             | 5386                        |                             | Non Engraved |
| 4       | Col. Upto Bracing<br>Beam-5000 Psi | 22        | 8             | 2024 | 6Diax12      |                                 | 12                         | 28.28                            | 47                             | 3723                        |                             | Non Engraved |
| 5       | Col. Upto Bracing<br>Beam-5000 Psi | 22        | 8             | 2024 | 6Diax12      | TINE                            | RI/13                      | 28.28                            | 91                             | 7208                        |                             | Non Engraved |
| 6       | Col. Upto Bracing<br>Beam-5000 Psi | 22        | 8             | 2024 | 6Diax12      | READ N                          | 13                         | 28.28                            | 66                             | 5228                        |                             | Non Engraved |
| 7       | Col. Upto Bracing<br>Beam-5000 Psi | 24        | 8             | 2024 | 6Diax12      | OF THY<br>- RORD WHO<br>OREATES | 13.2 مان                   | 28.28                            | 67                             | 5307                        |                             | Non Engraved |
| 8       | Col. Upto Bracing<br>Beam-5000 Psi | 24        | 8             | 2024 | 6Diax12      |                                 | 13                         | 28.28                            | 73                             | 5782                        |                             | Non Engraved |
| 9       | Col. Upto Bracing<br>Beam-5000 Psi | 24        | 8             | 2024 | 6Diax12      |                                 | 13                         | 28.28                            | 69                             | 5465                        |                             | Non Engraved |
| 10      | Col. Upto Bracing<br>Beam-5000 Psi | 25        | 8             | 2024 | 6Diax12      |                                 | 12.8                       | 28.28                            | 91                             | 7208                        |                             | Non Engraved |
| 11      | Col. Upto Bracing<br>Beam-5000 Psi | 25        | 8             | 2024 | 6Diax12      |                                 | 13.8                       | 28.28                            | 94                             | 7446                        |                             | Non Engraved |
| 12      | Col. Upto Bracing<br>Beam-5000 Psi | 25        | 8             | 2024 | 6Diax12      |                                 | 13                         | 28.28                            | 79                             | 6257                        |                             | Non Engraved |
| 13      | Col. Upto Bracing<br>Beam-5000 Psi | 26        | 8             | 2024 | 6Diax12      |                                 | 13.4                       | 28.28                            | 57                             | 4515                        |                             | Non Engraved |
| 14      | Col. Upto Bracing<br>Beam-5000 Psi | 26        | 8             | 2024 | 6Diax12      |                                 | 13                         | 28.28                            | 72                             | 5703                        |                             | Non Engraved |
| 15      | Col. Upto Bracing<br>Beam-5000 Psi | 26        | 8             | 2024 | 6Diax12      |                                 | 13                         | 28.28                            | 69                             | 5465                        |                             | Non Engraved |
| 16      |                                    |           |               |      |              |                                 |                            |                                  |                                |                             |                             |              |
| Witness | ed by:                             |           |               |      |              |                                 |                            |                                  |                                |                             |                             |              |

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)



To:

# **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.

> 8085 Dr. Aqsa

Test Specification (ASTM C39)

| Mr. Mouazam Ali Shahzad<br>Asst. Resident Engineer, NEW VISION ENGINEERING CONSULTANT           |        |            |  |  |  |  |  |  |  |  |
|---|--------|------------|--|--|--|--|--|--|--|--|
| Project: UPGRADATION & MODERNIZATION OF PAKISTAN MINT PHASE II-A SHALIMAR TOWN GT ROA<br>LAHORE |        |            |  |  |  |  |  |  |  |  |
| Our Ref. No. CL/CED/ 6304-2 of 2  | Dated: | 30/10/2024 |  |  |  |  |  |  |  |  |
| Your Ref. No. NVEC/RE/PAKMINT/2024/57   | Dated: | 15/10/2024 |  |  |  |  |  |  |  |  |

# COMPRESSION TEST REPORT

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

| Specim  | ens received on:                   | 24  | /10/2      | 2024  | Tested on:              | 29-1                          | 0-24                       | in dry/wet                       | t condition                    | dition 📃                    |                             | jesues       |
|---------|------------------------------------|-----|------------|-------|-------------------------|-------------------------------|----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|--------------|
| Sr. No. | Mark*                              | Cas | ting<br>MM | Date* | Size                    | Wet<br>Weight<br>(Ka/ ams)    | Dry<br>Weight<br>(Ka/ ams) | Area of<br>X-Section<br>(Sq. in) | Ultimate<br>load<br>(Imp Tons) | Ultimate<br>Stress<br>(nsi) | Water<br>Absorpti<br>on (%) | Remarks      |
| 1       | Col. Upto Bracing                  | 30  | 8          | 2024  | 6Diax12                 |                               | 13                         | 28.28                            | 84                             | 6653                        |                             | Non Engraved |
| 2       | Col. Upto Bracing<br>Beam-5000 Psi | 30  | 8          | 2024  | 6Diax12                 |                               | 13                         | 28.28                            | 79                             | 6257                        |                             | Non Engraved |
| 3       | Col. Upto Bracing<br>Beam-5000 Psi | 30  | 8          | 2024  | 6Diax12                 |                               | 13.2                       | 28.28                            | 70                             | 5545                        |                             | Non Engraved |
| 4       | Col. Upto Bracing<br>Beam-5000 Psi | 31  | 8          | 2024  | 6Diax12                 |                               | 13                         | 28.28                            | 76                             | 6020                        |                             | Non Engraved |
| 5       | Col. Upto Bracing<br>Beam-5000 Psi | 31  | 8          | 2024  | 6Diax12                 | NHNE                          | <b>R</b> /13               | 28.28                            | 68                             | 5386                        |                             | Non Engraved |
| 6       | Col. Upto Bracing<br>Beam-5000 Psi | 31  | 8          | 2024  | 6Diax12                 | READ N                        | 12.8                       | 28.28                            | 68                             | 5386                        |                             | Non Engraved |
| 7       | Bracing Beam 4000<br>Psi           | 9   | 10         | 2024  | 6Diax12                 | OF THY<br>CORD WHO<br>CREATES | 13 (یکس<br>13 کی خلق ا     | 28.28                            | 50                             | 3960                        |                             | Non Engraved |
| 8       | Bracing Beam 4000<br>Psi           | 9   | 10         | 2024  | 6Dia <mark>x12</mark> 竇 |                               | 13.2                       | 28.28                            | 64                             | 5069                        |                             | Non Engraved |
| 9       | Bracing Beam 4000<br>Psi           | 9   | 10         | 2024  | 6Diax12                 |                               | 13.6                       | 28.28                            | 58                             | 4594                        |                             | Non Engraved |
| 10      | Col. Upto Bracing<br>Beam-5000 Psi | 2   | 9          | 2024  | 6Diax12                 |                               | 13.2                       | 28.28                            | 65                             | 5149                        |                             | Non Engraved |
| 11      | Col. Upto Bracing<br>Beam-5000 Psi | 2   | 9          | 2024  | 6Diax12                 |                               | 13                         | 28.28                            | 66                             | 5228                        |                             | Non Engraved |
| 12      | Col. Upto Bracing<br>Beam-5000 Psi | 2   | 9          | 2024  | 6Diax12                 |                               | 13.2                       | 28.28                            | 66                             | 5228                        |                             | Non Engraved |
| 13      |                                    | -   |            |       |                         |                               |                            |                                  |                                | -                           |                             |              |
| 14      |                                    | -   |            |       |                         |                               |                            |                                  |                                | -                           |                             |              |
| 15      |                                    | -   |            |       |                         |                               |                            |                                  |                                |                             |                             |              |
| 16      |                                    |     |            |       |                         |                               |                            |                                  |                                |                             |                             |              |
| Witness | ed 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

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

> 8065 Dr. Aqsa

#### To: Mr. M. Waseem Azhar

ASSISTANT DIRECTOR (QCD) WASA, LDA, LAHORE.

Project: Testing of Concrete Cylinder Against (M/s. ALLAH HOO YASIR PIPE FACTORY)

| Our Ref. No. CL/C | ED/ 6305 | Dated: | 30/10/2024 | Test Specification |
|-------------------|----------|--------|------------|--------------------|
| Your Ref. No.     | QCD/2141 | Dated: | 22/10/2024 | (ASTM C39)         |

## COMPRESSION TEST REPORT



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

| Specim  | ens received on: | 22        | 2/10/2        | 2024 | Tested on:    | 30/10                         | 0/2024               | in dry/wet | t condition   |      | C             | 1624896  |               |  |               |  |               |  |              |                            |                            |                                  |                                |                             |                             |         |
|---------|------------------|-----------|---------------|------|---------------|-------------------------------|----------------------|------------|---------------|------|---------------|----------|---------------|--|---------------|--|---------------|--|--------------|----------------------------|----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|---------|
| Sr. No. | Mark*            | Cas<br>DD | Casting Date* |      | Casting Date* |                               | Casting Date*        |            | Casting Date* |      | Casting Date* |          | Casting Date* |  | Casting Date* |  | Casting Date* |  | 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       |                  | 4         | 9             | 2024 | 6Diax12       |                               | 13                   | 28.28      | 65            | 5149 |               | Engraved |               |  |               |  |               |  |              |                            |                            |                                  |                                |                             |                             |         |
| 2       |                  | 4         | 9             | 2024 | 6Diax12       |                               | 13                   | 28.28      | 51            | 4040 |               | Engraved |               |  |               |  |               |  |              |                            |                            |                                  |                                |                             |                             |         |
| 3       |                  |           |               |      |               |                               |                      |            |               |      |               |          |               |  |               |  |               |  |              |                            |                            |                                  |                                |                             |                             |         |
| 4       |                  |           |               |      |               |                               |                      |            |               |      |               |          |               |  |               |  |               |  |              |                            |                            |                                  |                                |                             |                             |         |
| 5       |                  |           |               |      |               | N THINE                       | RINS A               |            |               |      |               |          |               |  |               |  |               |  |              |                            |                            |                                  |                                |                             |                             |         |
| 6       |                  |           |               |      | >             | READ IN                       | 207                  |            |               |      |               |          |               |  |               |  |               |  |              |                            |                            |                                  |                                |                             |                             |         |
| 7       |                  |           |               |      |               | OF THY<br>HORD WHO<br>OREATES | ریجہ۔<br>ان کی خلق ر | -          |               |      |               |          |               |  |               |  |               |  |              |                            |                            |                                  |                                |                             |                             |         |
| 8       |                  |           |               |      |               |                               |                      | 5          |               |      |               |          |               |  |               |  |               |  |              |                            |                            |                                  |                                |                             |                             |         |
| 9       |                  |           |               |      |               | 20-                           |                      | <b>~</b>   |               |      |               |          |               |  |               |  |               |  |              |                            |                            |                                  |                                |                             |                             |         |
| 10      |                  |           |               |      | <             | (A                            | IORE.                |            |               |      |               |          |               |  |               |  |               |  |              |                            |                            |                                  |                                |                             |                             |         |
| 11      |                  |           |               |      |               |                               |                      |            |               |      |               |          |               |  |               |  |               |  |              |                            |                            |                                  |                                |                             |                             |         |
| 12      |                  |           |               |      |               |                               |                      |            |               |      |               |          |               |  |               |  |               |  |              |                            |                            |                                  |                                |                             |                             |         |
| 13      |                  |           |               |      |               |                               |                      |            |               |      |               |          |               |  |               |  |               |  |              |                            |                            |                                  |                                |                             |                             |         |
| 14      |                  |           |               |      |               |                               |                      |            |               |      |               |          |               |  |               |  |               |  |              |                            |                            |                                  |                                |                             |                             |         |
| 15      |                  |           |               |      |               |                               |                      |            |               |      |               |          |               |  |               |  |               |  |              |                            |                            |                                  |                                |                             |                             |         |
| 16      |                  |           |               |      |               |                               |                      |            |               |      |               |          |               |  |               |  |               |  |              |                            |                            |                                  |                                |                             |                             |         |
| Witness | Witnessed 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.



**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.

> 8065 Dr. Aqsa

#### To: Mr. M. Waseem Azhar

ASSISTANT DIRECTOR (QCD) WASA, LDA, LAHORE.

Project: Testing of Concrete Cylinder Against (M/s. ALLAH HOO YASIR PIPE FACTORY)

| Our Ref. No. CL/C | ED/ 6306 | Dated: | 30/10/2024 | Test Specification |
|-------------------|----------|--------|------------|--------------------|
| Your Ref. No.     | QCD/2142 | Dated: | 22/10/2024 | (ASTM C39)         |

## COMPRESSION TEST REPORT



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

| Specim  | ens received on: | 22  | 2/10/2        | 2024 | Tested on:    | 30/10                         | )/2024                           | in dry/we | condition     |       | 0             | i Canada i |      |               |               |                      |                  |                    |                             |         |
|---------|------------------|-----|---------------|------|---------------|-------------------------------|----------------------------------|-----------|---------------|-------|---------------|------------|------|---------------|---------------|----------------------|------------------|--------------------|-----------------------------|---------|
| Sr. No. | Mark*            | Cas | Casting Date* |      | Casting Date* |                               | Casting Date*                    |           | Casting Date* |       | Casting 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 |
|         |                  | סט  | MM            | YYYY | (in)          | (Kg/ gms)                     | (Kg/ gms)                        | (Sq. in)  | (Imp. I ons)  | (psi) | . ()          |            |      |               |               |                      |                  |                    |                             |         |
| 1       |                  | 25  | 8             | 2024 | 6Diax12       |                               | 14                               | 28.28     | 58            | 4594  |               | Engraved   |      |               |               |                      |                  |                    |                             |         |
| 2       |                  | 25  | 8             | 2024 | 6Diax12       |                               | 14                               | 28.28     | 51            | 4040  |               | Engraved   |      |               |               |                      |                  |                    |                             |         |
| 3       |                  |     |               |      |               |                               |                                  |           |               |       |               |            |      |               |               |                      |                  |                    |                             |         |
| 4       |                  |     |               |      |               |                               |                                  |           |               |       |               |            |      |               |               |                      |                  |                    |                             |         |
| 5       |                  |     |               |      |               | NHNE                          | RING                             |           |               |       |               |            |      |               |               |                      |                  |                    |                             |         |
| 6       |                  |     |               |      | >             | READ N                        | 2071                             |           |               |       |               |            |      |               |               |                      |                  |                    |                             |         |
| 7       |                  |     |               |      |               | OF THY<br>CORD WHO<br>CREATES | ز <del>ب</del> ک<br>اند کی خلق ر | 133       |               |       |               |            |      |               |               |                      |                  |                    |                             |         |
| 8       |                  |     |               |      | - 88          |                               |                                  |           |               |       |               |            |      |               |               |                      |                  |                    |                             |         |
| 9       |                  |     |               |      | >             |                               |                                  | ~         |               |       |               |            |      |               |               |                      |                  |                    |                             |         |
| 10      |                  |     |               |      | <             |                               | IOR <u>E</u>                     |           |               |       |               |            |      |               |               |                      |                  |                    |                             |         |
| 11      |                  |     |               |      |               |                               |                                  |           |               |       |               |            |      |               |               |                      |                  |                    |                             |         |
| 12      |                  |     |               |      |               |                               |                                  |           |               |       |               |            |      |               |               |                      |                  |                    |                             |         |
| 13      |                  |     |               |      |               |                               |                                  |           |               |       |               |            |      |               |               |                      |                  |                    |                             |         |
| 14      |                  |     |               |      |               |                               |                                  |           |               |       |               |            |      |               |               |                      |                  |                    |                             |         |
| 15      |                  |     |               |      |               |                               |                                  |           |               |       |               |            |      |               |               |                      |                  |                    |                             |         |
| 16      |                  |     |               |      |               |                               |                                  |           |               |       |               |            |      |               |               |                      |                  |                    |                             |         |
| Witness |                  |     |               |      |               |                               |                                  |           |               |       |               |            |      |               |               |                      |                  |                    |                             |         |

#### 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

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

> 8065 Dr. Aqsa

#### To: Mr. M. Waseem Azhar

ASSISTANT DIRECTOR (QCD) WASA, LDA, LAHORE.

Project: Testing of Concrete Cylinder Against (M/s. ALLAH HOO YASIR PIPE FACTORY)

| Our Ref. No. CL/C | ED/ 6307 | Dated: | 30/10/2024 | Test Specification |
|-------------------|----------|--------|------------|--------------------|
| Your Ref. No.     | QCD/2143 | Dated: | 22/10/2024 | (ASTM C39)         |

## COMPRESSION TEST REPORT



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

| Specim  | ens received on: | 22  | 2/10/2 | 2024  | Tested on: | 30/10                         | )/2024             | in dry/we            | condition        |                    | 0                           | i Canada |
|---------|------------------|-----|--------|-------|------------|-------------------------------|--------------------|----------------------|------------------|--------------------|-----------------------------|----------|
| 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<br>on (%) | Remarks  |
|         |                  | סט  |        |       | (in)       | (rkg/ gms)                    | (rkg/ gms)         | (Sq. iii)            | (imp.rons)       | (psi)              | . ,                         |          |
| 1       |                  | 18  | 8      | 2024  | 6Diax12    |                               | 13                 | 28.28                | 48               | 3802               |                             | Engraved |
| 2       |                  | 18  | 8      | 2024  | 6Diax12    |                               | 12.6               | 28.28                | 52               | 4119               |                             | Engraved |
| 3       |                  |     |        |       |            |                               |                    |                      |                  |                    |                             |          |
| 4       |                  |     |        |       |            |                               |                    |                      |                  |                    |                             |          |
| 5       |                  |     |        |       |            | WHINE                         | RING A             |                      |                  |                    |                             |          |
| 6       |                  |     |        |       | )          | REAU N                        | 2071               |                      |                  |                    |                             |          |
| 7       |                  |     |        |       |            | OF THY<br>CORD WHO<br>OREATES | زیجک<br>الکی خلق ر | 1                    |                  |                    |                             |          |
| 8       |                  |     |        |       |            |                               |                    | 5                    |                  |                    |                             |          |
| 9       |                  |     |        |       |            |                               |                    | ₹                    |                  |                    |                             |          |
| 10      |                  |     |        |       |            | (A                            | IORE.              |                      |                  |                    |                             |          |
| 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

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.

> 8087 Dr. Aqsa

#### To: Mr. Muhammad Hassan Khan Resident Engineer, Highways and Transportation Engineering Division, NESPAK (Pvt) Ltd

Project: Construction of Road from Haveli Kumharan Wali to Wanga Wala Bagh Kahna, Lahore.

| Our Ref. No. CL/C | ED/ 6308                                 | Dated: | 30/10/2024 | Test Specification |
|-------------------|--|--------|------------|--------------------|
| Your Ref. No.     | 3772/103/MHK/ADP/Haveli Kumharan Wali/13 | Dated: | 14/10/2024 | ( BS 3921** )      |

## **COMPRESSION TEST REPORT**



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

| Specimo | ens received on: | 24  | /10/2      | 2024  | Tested on:      | 30/10             | 0/2024              | in dry/we            | t condition      |                             |                             | Centry . |
|---------|------------------|-----|------------|-------|-----------------|-------------------|---------------------|----------------------|------------------|-----------------------------|-----------------------------|----------|
| Sr. No. | Mark*            | Cas | ting<br>MM | Date* | Size            | Wet<br>Weight     | Dry<br>Weight       | Area of<br>X-Section | Ultimate<br>load | Ultimate<br>Stress<br>(nsi) | Water<br>Absorpti<br>on (%) | Remarks  |
| 1       | 711P             |     |            |       | 8974273         | 3620              | 3340                | 37.38                | 64               | 3835                        | 8 38                        |          |
| •       | 701              |     |            |       | 0.3 × 4.2 × 3   | 5020              | 3340                | 07.00                | 04               | 3033                        | 0.00                        |          |
| 2       | 7UP              |     |            |       | 9 x 4.2 x 2.9   | 3550              | 3275                | 37.8                 | 64               | 3793                        | 8.4                         |          |
| 3       | 7UP              |     |            |       | 8.9 x 4.2 x 3   | 3710              | 3300                | 37.38                | 53               | 3176                        | 12.42                       |          |
| 4       | 7UP              |     |            |       | 8.9 x 4.2 x 2.9 | 3630              | 3215                | 37.38                | 49               | 2936                        | 12.91                       |          |
| 5       | 7UP              |     |            |       | 8.8 x 4.1 x 2.9 | 3730              | 3315                | 36.08                | 42               | 2608                        | 12.52                       |          |
| 6       |                  |     |            |       | ).              | READ IN           | EVEN                | <b>_</b>             |                  |                             |                             |          |
| 7       |                  |     |            |       |                 | OF THY<br>CREATES | زیجہ۔<br>الدی خلق ر | 3                    |                  |                             |                             |          |
| 8       |                  |     |            |       |                 |                   |                     | 5                    |                  |                             |                             |          |
| 9       |                  |     |            |       | >               | 20-               |                     | 2                    |                  |                             |                             |          |
| 10      |                  |     |            |       |                 | LA                | IORE.               |                      |                  |                             |                             |          |
| 11      |                  |     |            |       |                 |                   |                     |                      |                  |                             |                             |          |
| 12      |                  |     |            |       |                 |                   |                     |                      |                  |                             |                             |          |
| 13      |                  |     |            |       |                 |                   |                     |                      |                  | -                           |                             |          |
| 14      |                  |     |            |       |                 |                   |                     |                      |                  |                             |                             |          |
| 15      |                  |     |            |       |                 |                   |                     |                      |                  |                             |                             |          |
| 16      |                  |     |            |       |                 |                   |                     |                      |                  |                             |                             |          |
| Witness | ed 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)



**Civil Engineering Department** 

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

8102 Dr. Aqsa

To: S&S Associates

Johar Town, Lahore

Project: Construction of Heifer Shed 11 & 12 at BIN RIAZ FARM, PATTOKI

| Our Ref. No. CL/0 | ED/ 6309     | Dated: | 30/10/2024 | Test Specification |
|-------------------|--------------|--------|------------|--------------------|
| Your Ref. No.     | BRD/HS24/045 | Dated: | 28/10/2024 | ( BS 1881-116 )    |

## **COMPRESSION TEST REPORT**



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

| Specim  | ens received on:           | 28  | 8/10/2     | 2024  | Tested on: | 30-1                          | 10-24                      | in dry/wet                       | condition                      |                             |                             | o canado o   |
|---------|----------------------------|-----|------------|-------|------------|-------------------------------|----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|--------------|
| Sr. No. | Mark*                      | Cas | ting<br>MM | Date* | Size       | 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       | Floor, Shed #12<br>(1·2·4) | 1   | 10         | 2024  | 6x6x6      |                               | 9                          | 36                               | 111                            | 6907                        |                             | Non Engraved |
| 2       | Floor, Shed #12<br>(1:2:4) | 1   | 10         | 2024  | 6x6x6      |                               | 9.4                        | 36                               | 116                            | 7218                        |                             | Non Engraved |
| 3       |                            |     |            |       |            |                               |                            |                                  |                                |                             |                             |              |
| 4       |                            |     |            |       |            |                               |                            |                                  |                                |                             |                             |              |
| 5       |                            |     |            |       | - (        | STINE                         | RIA .                      |                                  |                                |                             |                             |              |
| 6       |                            |     |            |       | - )        | READ IN                       | 207                        | <u> </u>                         |                                |                             |                             |              |
| 7       |                            |     |            |       |            | OF THY<br>CORD WHC<br>CREATES | زیجک<br>الذکی خلق ر        |                                  |                                |                             |                             |              |
| 8       |                            |     |            |       |            |                               |                            | 5-                               |                                |                             |                             |              |
| 9       |                            |     |            |       |            | 20-                           |                            | <b>?</b>                         |                                |                             |                             |              |
| 10      |                            |     |            |       | <          | / A                           | IORL.                      |                                  |                                |                             |                             |              |
| 11      |                            |     |            |       |            |                               |                            |                                  |                                |                             |                             |              |
| 12      |                            |     |            |       |            |                               |                            |                                  |                                |                             |                             |              |
| 13      |                            |     |            |       |            |                               |                            |                                  |                                |                             |                             |              |
| 14      |                            |     |            |       |            |                               |                            |                                  |                                |                             |                             |              |
| 15      |                            |     |            |       |            |                               |                            |                                  |                                |                             |                             |              |
| 16      |                            |     |            |       |            |                               |                            |                                  |                                |                             |                             |              |
| 14/24-2 | and laws                   |     |            |       |            |                               |                            |                                  |                                |                             |                             |              |

### 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.



<u>ORIGINAL</u> A carbon copy for the report has been retained in the lab for record.

> 8054 Dr. Aqsa

| То: | Assistant Manager (P&MC)  |   |        |            |                    |  |  |  |  |  |  |  |  |
|-----|---|---|--------|------------|--------------------|--|--|--|--|--|--|--|--|
|     | Rawalpindi Divis  | Rawalpindi Division, North Zone, PUNJAB AAB-E-PAK AUTHORITY, Lahore |        |            |                    |  |  |  |  |  |  |  |  |
|     | Project: TENDER NO. DIR (P&C)/79 - INSTALLATION OF WATER FILTRATION PLANT AT VILLAGE DHOONG,<br>TEHSIL GUJJAR KHAN, DISTRICT RAWALPINDI |   |        |            |                    |  |  |  |  |  |  |  |  |
|     | Our Ref. No. CL   | /CED/ 6310  | Dated: | 30/10/2024 | Test Specification |  |  |  |  |  |  |  |  |
|     | Your Ref. No.   | PAPA/DM(P&MC)/RWP/10-04/01-05                                       | Dated: | 04-10-24   | ( BS 3921** )      |  |  |  |  |  |  |  |  |

30/10/2024

in dry/wet condition

## **COMPRESSION TEST REPORT**

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

22/10/2024 Tested on:



| 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   | ΥΥΥΥ  | (in)            | (Kg/ gms)                     | (Kg/ gms)                       | (Sq. in)             | (Imp.Tons)       | (psi)              | on (%)            |         |
| 1       | NO 1  |     |      |       | 8.9 x 4.2 x 2.9 | 3445                          | 3060                            | 37.38                | 42               | 2517               | 12.58             |         |
| 2       | NO 1  |     |      |       | 9 x 4.3 x 3     | 4005                          | 3445                            | 38.7                 | 46               | 2663               | 16.26             |         |
| 3       | NO 1  |     |      |       | 9 x 4.2 x 3     | 3990                          | 3460                            | 37.8                 | 44               | 2607               | 15.32             |         |
| 4       | NO 1  |     |      |       | 8.9 x 4.3 x 2.9 | 3690                          | 3360                            | 38.27                | 42               | 2458               | 9.82              |         |
| 5       | NO 1  |     |      |       | 9 x 4.2 x 3     | 4025                          | 3515                            | 37.8                 | 47               | 2785               | 14.51             |         |
| 6       | NO 1  |     |      |       | 9 x 4.3 x 3     | 4100                          | 3535                            | 38.7                 | 46               | 2663               | 15.98             |         |
| 7       |       |     |      |       |                 | OF THY<br>GRAD WHO<br>OREATES | ر <del>بک</del><br>اند کی خلق ر |                      |                  |                    |                   |         |
| 8       |       |     |      |       | 1               |                               |                                 |                      |                  |                    |                   |         |
| 9       |       |     |      |       | -               | 20                            |                                 | ~                    |                  | -                  |                   |         |
| 10      |       |     |      |       | -               |                               | IDR                             |                      |                  | -                  |                   |         |
| 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)

Specimens received on:

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

8121 Dr. Aqsa

**Test Specification** 

(----)

To: Mr. M. Rizwan

Electrician, AMANAH RESIDENCE, Tower Adda Plot

| Project: AMANAH TOW  | ER RESIDENCE |
|----------------------|--------------|
| Our Ref. No. CL/CED/ | 6311         |

Your Ref. No. Nil

# COMPRESSION TEST REPORT

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



Dated:

Dated:

30/10/2024

30/10/2024

#### Witnessed by:

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

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**Civil Engineering Department** 

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

8121 Dr. Aqsa

**Test Specification** 

(----)

To: Mr. M. Rizwan

Electrician, AMANAH RESIDENCE, Tower Adda Plot

Project: AMANAH TOWER RESIDENCE Our Ref. No. CL/CED/ 6312

Your Ref. No. Nil

# **COMPRESSION TEST REPORT**

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



Dated:

Dated:

30/10/2024

30/10/2024

#### Witnessed by:

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

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**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. |
|                     |

8093 Dr. Aqsa

To: Project Manager URBAN CITY LAHORE.

Project: URBAN CITY LAHORE. (Vendor Sescon)

Our Ref. No. CL/CED/ 6313

Your Ref. No. Nil

# **COMPRESSION TEST REPORT**



Test Specification

(----)

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

| Specim  | ens received on:         | 2   | 25-10 | -24   | Tested on:  | 30/10         | )/2024              | in dry/we            | t condition      |                    |                   | o centra di |
|---------|--------------------------|-----|-------|-------|-------------|---------------|---------------------|----------------------|------------------|--------------------|-------------------|-------------|
| 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       | Kerb Stone<br>(3000 Psi) |     |       |       | 6 x 6 x 5.8 |               | 8                   | 36                   | 74               | 4604               |                   | Cut Cube    |
| 2       |                          |     |       |       |             |               |                     |                      |                  |                    |                   |             |
| 3       |                          |     |       |       |             |               |                     |                      |                  |                    |                   |             |
| 4       |                          |     |       |       |             |               |                     |                      |                  |                    |                   |             |
| 5       |                          |     |       |       |             | NHNE          | RING                |                      |                  |                    |                   |             |
| 6       |                          |     |       |       | >           | READ N        | 2071                |                      |                  |                    |                   |             |
| 7       |                          |     |       |       |             | OF THY<br>    | زیجب<br>الذکی خلق ر |                      |                  |                    |                   |             |
| 8       |                          |     |       |       |             |               |                     | 5                    |                  |                    |                   |             |
| 9       |                          |     |       |       |             |               | -                   |                      |                  |                    |                   |             |
| 10      |                          |     |       |       |             |               | ORL                 |                      |                  |                    |                   |             |
| 11      |                          |     |       |       |             |               |                     |                      |                  |                    |                   |             |
| 12      |                          |     |       |       |             |               |                     |                      |                  |                    |                   |             |
| 13      |                          |     |       |       |             |               |                     |                      |                  |                    |                   |             |
| 14      |                          |     |       |       |             |               |                     |                      |                  |                    |                   |             |
| 15      |                          |     |       |       |             |               |                     |                      |                  |                    |                   |             |
| 16      |                          |     |       |       |             |               |                     |                      |                  |                    |                   |             |
|         |                          |     |       |       |             |               |                     |                      |                  |                    |                   |             |

Dated:

Dated:

30/10/2024

Nil

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