

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.

> 5017 Dr. Umbreen

**Test Specification** 

To: Mr. Salman Iqbal

Our Ref. No. CL/CED/ 1576

Director, M. SIDDIQUE SONS Building Contractor

Project: 464-G Phase-V, DHA, Lahore (Basement Raft)

Your Ref. No. Nil Dated: 28/3/2023 (ASTM C39)

Dated:

29/3/2023

## **COMPRESSION TEST REPORT**

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

Specimens received on: 28/03/2023 Tested on: 29-03-23 in dry/wet condition



| Sr. No. | Mark* | Cas | ting | Date* | Size    | Wet<br>Weight                 | Dry<br>Weight | Area of<br>X-Section |            | Ultimate<br>Stress | Absorpti | Remarks  |
|---------|-------|-----|------|-------|---------|-------------------------------|---------------|----------------------|------------|--------------------|----------|----------|
|         |       | DD  | MM   | YYYY  | (in)    | (Kg/ gms)                     | (Kg/ gms)     | (Sq. in)             | (Imp.Tons) | (psi)              | on (%)   |          |
| 1       |       | 23  | 2    | 2023  | 6Diax12 |                               | 13            | 28.28                | 31         | 2455               |          | Engraved |
| 2       |       | 23  | 2    | 2023  | 6Diax12 |                               | 13            | 28.28                | 39         | 3089               |          | Engraved |
| 3       |       | 23  | 2    | 2023  | 6Diax12 |                               | 14            | 28.28                | 33         | 2614               |          | Engraved |
| 4       |       |     |      |       |         |                               |               |                      |            |                    |          |          |
| 5       |       |     |      |       |         | GIVE                          | RINE          |                      |            |                    |          |          |
| 6       |       |     |      |       |         | READIN                        | 200           | X                    |            |                    |          |          |
| 7       |       |     |      |       |         | DE NAME<br>OF THY<br>LORD WHO | JE            | =                    |            |                    |          |          |
| 8       |       |     |      |       |         |                               |               | <u> </u>             |            |                    |          |          |
| 9       |       |     |      |       |         | ),                            | -             | <b></b>              |            |                    |          |          |
| 10      |       |     |      |       |         | -UA                           | HOR'S         |                      |            |                    |          |          |
| 11      |       |     |      |       |         |                               |               |                      |            |                    |          |          |
| 12      |       |     |      |       |         |                               |               |                      |            |                    |          |          |
| 13      |       |     |      |       |         |                               |               |                      |            |                    |          |          |
| 14      |       |     |      |       |         |                               |               |                      |            |                    |          |          |
| 15      |       |     |      |       |         |                               |               |                      |            |                    |          |          |
| 16      |       |     |      |       |         |                               |               |                      |            |                    |          |          |

Witnessed by: Mr. Muhammad Bilal Iqbal, CNIC: 35201-8407566-5

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

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

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



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> 5010 Dr. Umbreen

**Test Specification** 

( ASTM C39 )

To: Mr. Shoaib

Our Ref. No. CL/CED/ 1577

(Assistant Engineer Civil UHE), M. SIDDIQUE SONS Building Contractor

Project: Business Incubation Center, UHE Lahore (Ground Floor Slab)

roject. Dusiness incubation benter, one Lanore (Ground Floor Stab)

Your Ref. No. Nil Dated: 27-03-23

Dated:

29/3/2023

## **COMPRESSION TEST REPORT**

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

Specimens received on: 27/03/2023 Tested on: 29-03-23 in dry/wet condition



| Sr. No. | Sr. No. Mark* |    |    | Date* | Size    | Wet<br>Weight                 |           | Area of X-Section | Ultimate<br>load | Ultimate<br>Stress | Absorpti | Remarks  |
|---------|---------------|----|----|-------|---------|-------------------------------|-----------|-------------------|------------------|--------------------|----------|----------|
|         |               | DD | MM | YYYY  | (in)    | (Kg/ gms)                     | (Kg/ gms) | (Sq. in)          | (Imp.Tons)       | (psi)              | on (%)   |          |
| 1       |               | 9  | 3  | 2023  | 6Diax12 |                               | 14        | 28.28             | 47               | 3723               |          | Engraved |
| 2       |               | 9  | 3  | 2023  | 6Diax12 |                               | 13.6      | 28.28             | 43               | 3406               |          | Engraved |
| 3       |               | 9  | 3  | 2023  | 6Diax12 |                               | 12.8      | 28.28             | 45               | 3564               |          | Engraved |
| 4       |               |    |    |       |         |                               |           |                   |                  |                    |          |          |
| 5       |               |    |    |       | /       | GINE                          | RINE      |                   |                  |                    |          |          |
| 6       |               |    |    |       |         | READW                         | 200       |                   |                  |                    |          |          |
| 7       |               |    |    |       |         | DE NICE<br>OF THY<br>LORD WHO | - E 7 m   | -                 |                  |                    |          |          |
| 8       |               |    |    |       | SS      |                               |           |                   |                  |                    |          |          |
| 9       |               |    |    |       |         | ),—                           |           |                   |                  |                    |          |          |
| 10      |               |    |    |       |         | -LA                           | IORE.     |                   |                  |                    |          |          |
| 11      |               |    |    |       |         |                               |           |                   |                  |                    |          |          |
| 12      |               |    |    |       |         |                               |           |                   |                  |                    |          |          |
| 13      |               |    |    |       |         |                               |           |                   |                  |                    |          |          |
| 14      |               |    |    |       |         |                               |           |                   |                  |                    |          |          |
| 15      |               |    |    |       |         |                               |           |                   |                  |                    |          |          |
| 16      |               |    |    |       |         |                               |           |                   |                  |                    |          |          |

Witnessed by: Mr. Muhammad Bilal Iqbal, CNIC: 35201-8407566-5

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> 5011 Dr. Umbreen

**Test Specification** 

( ASTM C39 )

To: Engr. Muhammad Bilal Iqbal

Our Ref. No. CL/CED/ 1578

**Director, M. SIDDIQUE SONS Building Contractor** 

Project: Al Fatah Warehouse Extension No.2 Attari, Lahore. (First Floor Slab)

Toject. All dan Walenduse Extension No.2 Attain, Landre. (1 list 1 loof Glab)

Your Ref. No. Nil Dated: 27-03-23

Dated:

29/3/2023

#### COMPRESSION TEST REPORT

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

Specimens received on: 27/03/2023 Tested on: 29-03-23 in dry/wet condition



| Sr. No. | Mark*    | Cas |   | Date* | Size<br>(in) | Wet<br>Weight                   | Dry<br>Weight<br>(Kg/ gms) | Area of<br>X-Section<br>(Sq. in) |    |      | Water<br>Absorpti<br>on (%) | Remarks      |
|---------|----------|-----|---|-------|--------------|---------------------------------|----------------------------|----------------------------------|----|------|-----------------------------|--------------|
| 1       | 3000 Psi | 13  | 3 | 2023  | 6Diax12      |                                 | 14                         | 28.28                            | 57 | 4515 |                             | Non Engraved |
| 2       | 3000 Psi | 13  | 3 | 2023  | 6Diax12      |                                 | 13                         | 28.28                            | 45 | 3564 |                             | Non Engraved |
| 3       | 3000 Psi | 13  | 3 | 2023  | 6Diax12      |                                 | 13.4                       | 28.28                            | 67 | 5307 |                             | Non Engraved |
| 4       |          |     |   |       |              |                                 |                            |                                  |    |      |                             |              |
| 5       |          |     |   |       | /            | KETHE                           | RINE                       |                                  |    |      |                             |              |
| 6       |          |     |   |       |              | READIN                          | 200                        |                                  |    |      |                             |              |
| 7       |          |     |   |       |              | DHE NAME<br>OF THY<br>LIDRO WHO | 1812                       | E -                              |    |      |                             |              |
| 8       |          |     |   |       | SS           |                                 |                            | IND.                             |    |      |                             |              |
| 9       |          |     |   |       |              | _                               |                            |                                  |    |      |                             |              |
| 10      |          |     |   |       |              | -UA                             | HORE.                      |                                  |    |      |                             |              |
| 11      |          |     |   |       |              |                                 |                            |                                  |    |      |                             |              |
| 12      |          |     |   |       |              |                                 |                            |                                  |    |      |                             |              |
| 13      |          |     |   |       |              |                                 |                            |                                  |    |      |                             |              |
| 14      |          |     |   |       |              |                                 |                            |                                  |    |      |                             |              |
| 15      |          |     |   |       |              |                                 |                            |                                  |    |      |                             |              |
| 16      |          |     |   |       |              |                                 |                            |                                  |    |      |                             |              |

Witnessed by: Muhammad Bilal Iqbal, CNIC: 35201-8407566-5

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> 5016 Dr. Qasim

To: Mr. Shahzad Waheed

Sub Divisional Officer, Aitchison College, Lahore

Project: Construction of Sr. Staff Residences, Aitchison College, Lahore

 Our Ref. No. CL/CED/
 1579
 Dated:
 29/3/2023
 Test Specification

 Your Ref. No.
 P-460
 Dated:
 28/3/2023
 (BS 1881-116)

## **COMPRESSION TEST REPORT**

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

Specimens received on: 28/03/2023 Tested on: 29/3/2023 in dry/wet condition



| Sr. No. | Mark*             |    |   | 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       | Ground Floor Slab | 24 | 2 | 2023  | 6x6x6        |                                  | 8                          | 36                               | 32                             | 1991                        |                             | Engraved |
| 2       | Ground Floor Slab | 24 | 2 | 2023  | 6x6x6        |                                  | 8                          | 36                               | 41                             | 2551                        |                             | Engraved |
| 3       | Ground Floor Slab | 9  | 3 | 2023  | 6x6x6        |                                  | 8.2                        | 36                               | 50                             | 3111                        |                             | Engraved |
| 4       | Ground Floor Slab | 9  | 3 | 2023  | 6x6x6        |                                  | 8.2                        | 36                               | 49                             | 3049                        |                             | Engraved |
| 5       |                   |    |   |       |              | CINE                             | RINE                       |                                  |                                |                             |                             |          |
| 6       |                   |    |   |       |              | READ W                           | 200                        |                                  |                                |                             |                             |          |
| 7       |                   |    |   |       |              | DHE NAME<br>OF THY<br>LIDRO WHIC | - F                        | E P                              |                                |                             |                             |          |
| 8       |                   |    |   |       | es           |                                  |                            | INO                              |                                |                             |                             |          |
| 9       |                   |    |   |       |              |                                  |                            |                                  |                                |                             |                             |          |
| 10      |                   |    |   |       | 🤇            | -LA                              | IORE.                      |                                  |                                |                             |                             |          |
| 11      |                   |    |   |       |              |                                  |                            |                                  |                                |                             |                             |          |
| 12      |                   |    |   |       |              |                                  |                            |                                  |                                |                             |                             |          |
| 13      |                   |    |   |       |              |                                  |                            |                                  |                                |                             |                             |          |
| 14      |                   |    |   |       |              |                                  |                            |                                  |                                |                             |                             |          |
| 15      |                   |    |   |       |              |                                  |                            |                                  |                                |                             |                             |          |
| 16      |                   |    |   |       |              |                                  |                            |                                  |                                |                             |                             |          |

#### Witnessed by:

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> 5023 Dr. Qasim

To: Mr. Zaheer Abbas

Manager Construction, Beaconhouse School System (Private) Ltd

Project: Construction of New Campus Ibne Sina at Valencia Town, Lahore.

rioject. Constituction of New Campus ione on a at Valencia Town, Lanore.

 Our Ref. No. CL/CED/
 1580
 Dated:
 29/3/2023
 Test Specification

 Your Ref. No.
 Nil
 Dated:
 22/3/2023
 (BS 1881-116)

## **COMPRESSION TEST REPORT**

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

Specimens received on: 28/03/2023 Tested on: 29/3/2023 in dry/wet condition



| Sr. No. | Mark*                           |    |    | Date* | Size  | Wet<br>Weight       |           | Area of X-Section | load       |       | Water<br>Absorpti<br>on (%) | Remarks      |
|---------|---------------------------------|----|----|-------|-------|---------------------|-----------|-------------------|------------|-------|-----------------------------|--------------|
|         |                                 | DD | MM | YYYY  | (in)  | (Kg/ gms)           | (Kg/ gms) | (Sq. in)          | (Imp.Tons) | (psi) | (70)                        |              |
| 1       | 1st Floor Columns<br>(5000 Psi) | 20 | 2  | 2023  | 6x6x6 |                     | 8.6       | 36                | 93         | 5787  |                             | Non Engraved |
| 2       | 1st Floor Columns<br>(5000 Psi) | 20 | 2  | 2023  | 6x6x6 |                     | 8.4       | 36                | 99         | 6160  |                             | Non Engraved |
| 3       | 1st Floor Columns<br>(5000 Psi) | 20 | 2  | 2023  | 6x6x6 |                     | 8.4       | 36                | 108        | 6720  |                             | Non Engraved |
| 4       | 1st Floor Slab<br>(4000 Psi)    | 21 | 2  | 2023  | 6x6x6 |                     | 8.4       | 36                | 73         | 4542  |                             | Non Engraved |
| 5       | 1st Floor Slab<br>(4000 Psi)    | 21 | 2  | 2023  | 6x6x6 | CINE                | 8.6       | 36                | 106        | 6596  |                             | Non Engraved |
| 6       | 1st Floor Slab<br>(4000 Psi)    | 21 | 2  | 2023  | 6x6x6 | READ IN             | 8.2       | 36                | 90         | 5600  |                             | Non Engraved |
| 7       |                                 |    |    |       |       | DE THY<br>LIDRO WHO | - N       | =                 |            |       |                             |              |
| 8       |                                 |    |    |       | es    |                     |           | <b>=</b>          |            |       |                             |              |
| 9       |                                 |    | -  |       |       | <b></b>             |           |                   |            |       |                             |              |
| 10      |                                 |    | -  |       | (     | · LA                | HORE.     |                   |            |       |                             |              |
| 11      |                                 |    |    |       |       |                     |           |                   |            |       |                             |              |
| 12      |                                 |    |    |       |       |                     |           |                   |            |       |                             |              |
| 13      |                                 |    | -  |       |       |                     |           |                   |            | -     |                             |              |
| 14      |                                 |    |    |       |       |                     |           |                   |            |       |                             |              |
| 15      |                                 |    |    |       |       |                     |           |                   |            |       |                             |              |
| 16      |                                 |    |    |       |       |                     |           |                   |            |       |                             |              |

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- 3. \*\*\* BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
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> 5013 Dr. Qasim

**Test Specification** 

To: **CW Manager ARCON** 

Project: Nil

Our Ref. No. CL/CED/ 1581 Dated: 29/3/2023

Your Ref. No. Nil Nil Dated: (BS 1881-116)

## COMPRESSION TEST REPORT

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

28/03/2023 Tested on: 29/3/2023 Specimens received on: in dry/wet condition



| Sr. No. | Mark*                          |    |   | Date* | Size  | Wet<br>Weight                 |           | Area of<br>X-Section<br>(Sq. in) |            | Ultimate<br>Stress | Water<br>Absorpti<br>on (%) | Remarks      |
|---------|--------------------------------|----|---|-------|-------|-------------------------------|-----------|----------------------------------|------------|--------------------|-----------------------------|--------------|
| 4       | N-NEW-7 (1:1.5:3               |    | Ι | 1     |       |                               | (Kg/ gms) |                                  | (Imp.Tons) |                    |                             |              |
| 1       | and 1:4:8)<br>N-NEW-7 (1:1.5:3 | 24 | 2 | 2023  | 6x6x6 |                               | 8.2       | 36                               | 108        | 6720               |                             | Non Engraved |
| 2       | N-NEW-7 (1:1.5:3<br>and 1:4:8) | 24 | 2 | 2023  | 6x6x6 |                               | 8.2       | 36                               | 114        | 7093               |                             | Non Engraved |
| 3       |                                |    |   |       |       |                               |           |                                  |            |                    |                             |              |
| 4       |                                |    |   |       |       |                               |           |                                  |            |                    |                             |              |
| 5       |                                |    |   |       |       | EINE                          | RINTE     |                                  |            |                    |                             |              |
| 6       |                                |    |   |       |       | READW                         | 200       |                                  |            |                    |                             |              |
| 7       |                                |    |   |       |       | DE NICE<br>OF THY<br>LORD WHO | - E / T   | -                                |            |                    |                             |              |
| 8       |                                |    |   |       | es    |                               |           | - CAN                            |            |                    |                             |              |
| 9       |                                |    |   |       |       |                               | - 3       |                                  |            |                    |                             |              |
| 10      |                                |    |   |       | 🤇     | -LA                           | IORE.     |                                  |            |                    |                             |              |
| 11      |                                |    |   |       |       |                               |           |                                  |            |                    |                             |              |
| 12      |                                |    |   |       |       |                               |           |                                  |            |                    |                             |              |
| 13      |                                |    |   |       |       |                               |           |                                  |            |                    |                             |              |
| 14      |                                |    |   |       |       |                               |           |                                  |            |                    |                             |              |
| 15      |                                |    |   |       |       |                               |           |                                  |            |                    |                             |              |
| 16      |                                |    |   |       |       |                               |           |                                  |            |                    |                             |              |

#### Witnessed by:

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- 2. \*\* BS3921 requires average of ten clay brick samples for crushing strength and water absorption
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> 5013 Dr. Qasim

To: CW Manager ARCON

Project: Nil

Your Ref. No.

Our Ref. No. CL/CED/ 1582

Our Rei. No. CL/CED/ 1562

Nil

Dated:

Dated:

29/3/2023 Nil **Test Specification** 

(BS 1881-116)

### COMPRESSION TEST REPORT

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

Specimens received on: 28/03/2023 Tested on: 29/3/2023 in dry/wet condition



| Sr. No. | Mark*                         | Cas | ting | Date* | Size  | Wet<br>Weight      | Dry<br>Weight | Area of<br>X-Section |            | Ultimate<br>Stress | Absorpti | Remarks      |
|---------|-------------------------------|-----|------|-------|-------|--------------------|---------------|----------------------|------------|--------------------|----------|--------------|
|         |                               | DD  | MM   | YYYY  | (in)  | (Kg/ gms)          | (Kg/ gms)     | (Sq. in)             | (Imp.Tons) | (psi)              | on (%)   |              |
| 1       | N-3374 (1:1.5:3 and 1:4:8)    | 20  | 2    | 2023  | 6x6x6 |                    | 8.4           | 36                   | 104        | 6471               |          | Non Engraved |
| 2       | N-3374 (1:1.5:3 and<br>1:4:8) | 20  | 2    | 2023  | 6x6x6 |                    | 8             | 36                   | 79         | 4916               |          | Non Engraved |
| 3       |                               |     |      |       |       |                    |               |                      |            |                    |          |              |
| 4       |                               |     |      |       |       |                    |               |                      |            |                    |          |              |
| 5       |                               |     |      |       | /     | GINE               | RINE          |                      |            |                    |          |              |
| 6       |                               |     |      |       | )     | READIN             | 205           |                      |            |                    |          |              |
| 7       |                               |     |      |       | -     | DE THY<br>CORD WHO | - F           | <b>E</b>             |            |                    |          |              |
| 8       |                               |     |      |       | R.S.  |                    |               |                      |            |                    |          |              |
| 9       |                               |     |      |       |       | <b></b>            | 1             | <b>7</b>             |            |                    |          |              |
| 10      |                               |     |      |       | <     | -UA                | IORE.         |                      |            |                    |          |              |
| 11      |                               |     |      |       |       |                    |               |                      |            |                    |          |              |
| 12      |                               |     |      |       |       |                    |               |                      |            |                    |          |              |
| 13      |                               |     |      |       |       |                    |               |                      |            |                    |          |              |
| 14      |                               | I   |      |       |       |                    |               |                      |            |                    |          |              |
| 15      |                               |     |      |       |       |                    |               |                      |            |                    |          |              |
| 16      |                               | I   |      |       |       |                    |               |                      |            |                    |          |              |

Witnessed by:

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

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

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



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

> 5013 Dr. Qasim

To: **CW Manager ARCON** 

Project: Nil

Your Ref. No.

Our Ref. No. CL/CED/ 1583

Nil

Dated: 29/3/2023 **Test Specification** 

Nil Dated: (BS 1881-116)

### COMPRESSION TEST REPORT

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

Specimens received on: 28/03/2023 Tested on: 29/3/2023 in dry/wet condition



| Sr. No. | Mark*                                   | Cas | ting | Date* | Size  | Wet<br>Weight                   | Dry<br>Weight | Area of X-Section |            | Ultimate<br>Stress | Absorpti | Remarks      |
|---------|---|-----|------|-------|-------|---------------------------------|---------------|-------------------|------------|--------------------|----------|--------------|
|         |   | DD  | ММ   | YYYY  | (in)  | (Kg/ gms)                       | (Kg/ gms)     | (Sq. in)          | (Imp.Tons) | (psi)              | on (%)   |              |
| 1       | N-3335 (1:1.5:3 and 1:4:8)              | 20  | 2    | 2023  | 6x6x6 |                                 | 8.4           | 36                | 108        | 6720               |          | Non Engraved |
| 2       | 1:4:8)<br>N-3335 (1:1.5:3 and<br>1:4:8) | 20  | 2    | 2023  | 6x6x6 |                                 | 8             | 36                | 94         | 5849               |          | Non Engraved |
| 3       |   |     |      |       |       |                                 |               |                   |            |                    |          |              |
| 4       |   |     |      |       |       |                                 |               |                   |            |                    |          |              |
| 5       |   |     |      |       | /     | CTNE                            | RINE          |                   |            |                    |          |              |
| 6       |   |     |      |       |       | READ IN                         | 205           |                   |            |                    |          |              |
| 7       |   |     |      |       |       | DHE NAME<br>OF THY<br>LIDRO WHO | - (V)         | E-                |            |                    |          |              |
| 8       |   |     |      |       |       |                                 | The self      |                   |            |                    |          |              |
| 9       |   |     |      |       |       | -                               |               |                   |            |                    |          |              |
| 10      |   |     |      |       | <     | -LA                             | IORE.         |                   |            |                    |          |              |
| 11      |   |     |      |       |       |                                 |               |                   |            |                    |          |              |
| 12      |   |     |      |       |       |                                 |               |                   |            |                    |          |              |
| 13      |   |     |      |       |       |                                 |               |                   |            |                    |          |              |
| 14      |   |     |      |       |       |                                 |               |                   |            |                    |          |              |
| 15      |   |     |      |       |       |                                 |               |                   |            |                    |          |              |
| 16      |   |     |      |       |       |                                 |               |                   |            |                    |          |              |

#### Witnessed by:

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

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

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



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**ORIGINAL** 

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

> 5013 Dr. Qasim

To: CW Manager ARCON

Project: Nil

Our Ref. No. CL/CED/ 1584

Your Ref. No. Nil

Dated: 29/3/2023

Dated:

Nil

**Test Specification** 

(BS 1881-116)

### COMPRESSION TEST REPORT

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

Specimens received on: 28/03/2023 Tested on: 29/3/2023 in dry/wet condition



| Sr. No. | Mark*                      |    |   | Date* | Size<br>(in) | Wet<br>Weight                   | Dry<br>Weight<br>(Kg/ gms) | Area of<br>X-Section<br>(Sq. in) |     |      | Water<br>Absorpti<br>on (%) | Remarks      |
|---------|----------------------------|----|---|-------|--------------|---------------------------------|----------------------------|----------------------------------|-----|------|-----------------------------|--------------|
| 1       | N-3185 (1:1.5:3 and 1:4:8) | 21 | 2 | 2023  | 6x6x6        |                                 | 8.2                        | 36                               | 87  | 5413 |                             | Non Engraved |
| 2       | N-3185 (1:1.5:3 and 1:4:8) | 21 | 2 | 2023  | 6x6x6        |                                 | 8.4                        | 36                               | 113 | 7031 |                             | Non Engraved |
| 3       |                            |    |   |       |              |                                 |                            |                                  |     |      |                             |              |
| 4       |                            |    |   |       |              |                                 |                            |                                  |     |      |                             |              |
| 5       |                            |    |   |       | /            | GINE                            | RIATE                      |                                  |     |      |                             |              |
| 6       |                            |    |   |       |              | READIN                          | 200                        |                                  |     |      |                             |              |
| 7       |                            |    |   |       |              | DHE NAME<br>OF THY<br>LIDRO WHO | 1999                       | E P                              |     |      |                             |              |
| 8       |                            |    | - |       | 00<br>EE     |                                 |                            | INO                              |     |      |                             |              |
| 9       |                            |    |   |       |              | _                               |                            |                                  |     |      |                             |              |
| 10      |                            |    |   |       |              | "-LA                            | HORE.                      |                                  |     |      |                             |              |
| 11      |                            |    |   |       |              |                                 | -                          |                                  |     |      |                             |              |
| 12      |                            |    |   |       |              |                                 |                            |                                  |     |      |                             |              |
| 13      |                            |    |   |       |              |                                 |                            |                                  |     |      |                             |              |
| 14      |                            |    |   |       |              |                                 |                            |                                  |     |      |                             |              |
| 15      |                            |    |   |       |              |                                 |                            |                                  |     |      |                             |              |
| 16      |                            |    |   |       |              |                                 |                            |                                  |     |      |                             |              |

#### Witnessed by:

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

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



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

> 5013 Dr. Qasim

To: **CW Manager ARCON** 

Project: Nil

Your Ref. No.

Our Ref. No. CL/CED/ 1585

Nil

Dated: 29/3/2023 **Test Specification** 

Nil Dated: (BS 1881-116)

## COMPRESSION TEST REPORT

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

29/3/2023 Specimens received on: 28/03/2023 Tested on: in dry/wet condition



| Sr. No. | No. Mark*                                | Cas | ting | Date* | Size  | Wet<br>Weight       | Dry<br>Weight | Area of X-Section |            | Ultimate<br>Stress | Water<br>Absorpti | Remarks      |
|---------|--|-----|------|-------|-------|---------------------|---------------|-------------------|------------|--------------------|-------------------|--------------|
|         |  | DD  | мм   | YYYY  | (in)  | (Kg/ gms)           | (Kg/ gms)     | (Sq. in)          | (Imp.Tons) | (psi)              | on (%)            |              |
| 1       | Site-19 (1:1.5:3 and 1:4:8)              | 28  | 1    | 2021  | 6x6x6 |                     | 8.4           | 36                | 100        | 6222               |                   | Non Engraved |
| 2       | 1:4:8)<br>Site-19 (1:1.5:3 and<br>1:4:8) | 28  | 1    | 2021  | 6x6x6 |                     | 8.2           | 36                | 110        | 6844               |                   | Non Engraved |
| 3       |  |     |      |       |       |                     |               |                   |            |                    |                   |              |
| 4       |  |     |      |       |       |                     | -             |                   |            |                    |                   |              |
| 5       |  |     |      |       | /     | CTNE                | RINE          |                   |            |                    |                   |              |
| 6       |  |     |      |       |       | READ W              | 200           |                   |            |                    |                   |              |
| 7       |  |     |      |       |       | DE THY<br>LIDRO WHO | - F           | =                 |            |                    |                   |              |
| 8       |  |     |      |       | SE    |                     |               |                   |            |                    |                   |              |
| 9       |  |     |      |       |       | -                   |               |                   |            |                    |                   |              |
| 10      |  |     |      |       | <     | -LA                 | HORE.         |                   |            |                    |                   |              |
| 11      |  |     |      |       |       |                     | -             |                   |            |                    |                   |              |
| 12      |  |     |      |       |       |                     |               |                   |            |                    |                   |              |
| 13      |  |     |      |       |       |                     |               |                   |            |                    |                   |              |
| 14      |  |     |      |       |       |                     |               |                   |            |                    |                   |              |
| 15      |  |     |      |       |       |                     |               |                   |            |                    |                   |              |
| 16      |  |     |      |       |       |                     |               |                   |            |                    |                   |              |

#### Witnessed by:

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

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

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



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

> 5013 Dr. Qasim

To: **CW Manager ARCON** 

Project: Nil

Your Ref. No.

Our Ref. No. CL/CED/ 1586

Nil

Dated:

29/3/2023 **Test Specification** 

Nil Dated: (BS 1881-116)

### COMPRESSION TEST REPORT

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

Specimens received on: 28/03/2023 Tested on: 29/3/2023 in dry/wet condition



| Mark*                          | Cas              | ting   | Date*  | Size   | Wet<br>Weight  | Dry<br>Weight                             | Area of X-Section                                 |  | Ultimate<br>Stress | Absorpti  | Remarks   |
|--------------------------------|------------------|--|--|--|--|---|---|--|--------------------|---|---|
|                                | DD               | MM   | YYYY   | (in)   | (Kg/ gms)  | (Kg/ gms)                                 | (Sq. in)  | (Imp.Tons)   | (psi)              | on (%)  |   |
|                                | 21               | 10   | 2020   | 6x6x6  |  | 8   | 36  | 111  | 6907               |   | Non Engraved  |
| R-NEW-81(1:1.5:3<br>and 1:4:8) | 21               | 10   | 2020   | 6x6x6  |  | 8.2                                       | 36  | 92   | 5724               |   | Non Engraved  |
|                                |                  |  |  |  |  |   |   |  |                    |   |   |
|                                |                  |  |  |  |  |   |   |  |                    |   |   |
|                                |                  |  |  | /  | GINE   | RINE                                      |   |  |                    |   |   |
|                                |                  |  |  |  | NEAD W   | 200                                       | X   |  |                    |   |   |
|                                |                  |  |  |  | DHE NAME<br>OF THY<br>LIGHTO WHILE   | ₩ 7 m                                     |   |  |                    |   |   |
|                                |                  |  |  | es   |  | The self                                  |   |  |                    |   |   |
|                                |                  |  |  |  |  |   | 7   |  |                    |   |   |
|                                |                  |  |  | 🤇  | -LA  | IORE.                                     |   |  |                    |   |   |
|                                |                  |  |  |  |  |   |   |  |                    |   |   |
|                                |                  |  |  |  |  |   |   |  |                    |   |   |
|                                |                  |  |  |  |  |   |   |  |                    |   |   |
|                                |                  |  |  |  |  |   |   |  |                    |   |   |
|                                |                  |  |  |  |  |   |   |  |                    |   |   |
|                                |                  |  |  |  |  |   |   |  |                    |   |   |
|                                | R-NEW-81(1:1.5:3 | Mark* DD R-NEW-81(1:1.5:3 and 1:4:8) R-NEW-81(1:1.5:3 and 1:4:8) | Mark*  DD MM  R-NEW-81(1:1.5:3 and 1:4:8)  R-NEW-81(1:1.5:3 and 1:4:8) | R-NEW-81(1:1.5:3 and 1:4:8)  R-NEW-81(1:1.5:3 and 1:4:8) | Mark*  DD MM YYYY (in)  R-NEW-81(1:1.5:3 and 1:4:8)  R-NEW-81(1:1.5:3 and 1:4:8) | Mark*    DD   MM   YYYY   (in)   (Kg/gms) | Nark*   DD MM YYYY   (in)   (Kg/ gms)   (Kg/ gms) | Mark*   Casting Date*   Size   Weight   Weight   X-Section | Mark*              | Mark*   Casting Date*   Size   Weight   Weight   X-Section   load   Stress   (Kg/gms)   (Kg/gms) | Mark*   Casting Date*   Size   Weight   Weight   Weight   Weight   X-Section   load   Stress   Absorption (%) |

Witnessed by:

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- 2. \*\* BS3921 requires average of ten clay brick samples for crushing strength and water absorption
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- 4. \*\*\*\* ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprerssive strength

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



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ORIGINAL

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

> 5013 Dr. Qasim

To: CW Manager ARCON

Project: Nil

Our Ref. No. CL/CED/ 1587

Your Ref. No. Nil

Dated: 29/3/2023

**Test Specification** 

Dated: Nil (BS 1881-116)

### **COMPRESSION TEST REPORT**

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

Specimens received on: 28/03/2023 Tested on: 29/3/2023 in dry/wet condition



| Sr. No. | Mark*  |    |   | Date* | Size<br>(in) | Wet<br>Weight<br>(Ka/ ams)      | 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       | ISW108 (1:1.5:3<br>and 1:4:8)<br>ISW108 (1:1.5:3 | 20 | 5 | 2021  | 6x6x6        |                                 | 8.6                        | 36                               | 96                             | 5973                        |                             | Non Engraved |
| 2       | ISW108 (1:1.5:3<br>and 1:4:8)                    | 20 | 5 | 2021  | 6x6x6        |                                 | 8.4                        | 36                               | 107                            | 6658                        |                             | Non Engraved |
| 3       |  |    |   |       |              |                                 |                            |                                  |                                |                             |                             |              |
| 4       |  |    |   |       |              |                                 |                            |                                  |                                |                             |                             |              |
| 5       |  |    |   |       |              | CINE                            | RINE                       |                                  |                                |                             |                             |              |
| 6       |  |    |   |       |              | READ W                          | 200                        |                                  |                                |                             |                             |              |
| 7       |  |    |   |       |              | DHE NIME<br>OF THY<br>LIDRO WHO | - E                        | 畫                                |                                |                             |                             |              |
| 8       |  |    |   |       | es           |                                 |                            |                                  |                                |                             |                             |              |
| 9       |  |    |   |       |              |                                 |                            |                                  |                                |                             |                             |              |
| 10      |  |    |   |       | (            | -LA                             | IORE.                      |                                  |                                |                             |                             |              |
| 11      |  |    |   |       |              |                                 |                            |                                  |                                |                             |                             |              |
| 12      |  |    |   |       |              |                                 |                            |                                  |                                |                             |                             |              |
| 13      |  |    |   |       |              |                                 |                            |                                  |                                |                             |                             |              |
| 14      |  |    |   |       |              |                                 |                            |                                  |                                |                             |                             |              |
| 15      |  |    |   |       |              |                                 |                            |                                  |                                |                             |                             |              |
| 16      |  |    |   |       |              |                                 |                            |                                  |                                |                             |                             |              |

#### Witnessed by:

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

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

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



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**ORIGINAL** 

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

> 5013 Dr. Qasim

To: CW Manager ARCON

Project: Nil

Your Ref. No.

Our Ref. No. CL/CED/ 1588

Nil

Dated: Dated: 29/3/2023 Nil **Test Specification** 

(BS 1881-116)

## **COMPRESSION TEST REPORT**

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

Specimens received on: 28/03/2023 Tested on: 29/3/2023 in dry/wet condition



| Mark*                      | Cas   | ting  | Date*  | Size   | Wet<br>Weight   | Dry<br>Weight                            | Area of<br>X-Section  |   |   | Absorpti   | Remarks   |
|----------------------------|---|---|--|--|---|--|---|---|---|--|---|
|                            | DD  | MM  | YYYY   | (in)   | (Kg/ gms)   | (Kg/ gms)                                | (Sq. in)  | (Imp.Tons)  | (psi)   | on (%)   |   |
| 1:4:8)                     | 27  | 2   | 2023   | 6x6x6  |   | 8.2                                      | 36  | 81  | 5040  |  | Non Engraved  |
| N-3140 (1:1.5:3 and 1:4:8) | 27  | 2   | 2023   | 6x6x6  |   | 8.4                                      | 36  | 77  | 4791  |  | Non Engraved  |
|                            |   |   |  |  |   |  |   |   |   |  |   |
|                            |   |   |  |  |   |  |   |   |   |  |   |
|                            |   |   |  |  | CENE  | RING                                     |   |   |   |  |   |
|                            |   |   |  |  | READIN  | 200                                      |   |   |   |  |   |
|                            |   |   |  |  | DHE NIGGE<br>OF THY<br>LIDRO WHO  | - N                                      | =   |   |   |  |   |
|                            |   |   |  | 68<br>E  |   |  |   |   |   |  |   |
|                            |   |   |  |  | <b>—</b>  |  | <b>7</b>  |   |   |  |   |
|                            |   |   |  |  | -LA   | IORE.                                    |   |   |   |  |   |
|                            |   |   |  |  |   |  |   |   |   |  |   |
|                            |   |   |  |  |   |  |   |   |   |  |   |
|                            | 1   |   |  |  |   |  |   |   |   |  |   |
|                            |   |   |  |  |   |  |   |   |   |  |   |
|                            |   |   |  |  |   |  |   |   |   |  |   |
|                            | -   |   |  |  |   |  |   |   |   |  |   |
|                            | N-3140 (1:1.5:3 and 1:4:8) N-3140 (1:1.5:3 and 1:4:8) | Mark* DD  N-3140 (1:1.5:3 and 1:4:8) 27  N-3140 (1:1.5:3 and 1:4:8) | Mark*  DD MM  N-3140 (1:1.5:3 and 1:4:8)  N-3140 (1:1.5:3 and 1:4:8) | N-3140 (1:1.5:3 and 1:4:8) N-3140 (1:1.5:3 and 1:4:8) N-3140 (1:1.5:3 and 1:4:8) | Mark* DD MM YYYY (in)  N-3140 (1:1.5:3 and 1:4:8)  N-3140 (1:1.5:3 and 1:4:8) | Mark*   DD   MM   YYYY   (in)   (Kg/gms) | Mark*   DD MM YYYY   (in)   (Kg/ gms)   (Kg/ gms) | Mark*         Casting Date*         Size Weight (In)         Weight (Kg/gms)         X-Section (Sq. in)           N-3140 (1:1.5:3 and 1:4:8)         27 2 2023 6x6x6         8.2 36           N-3140 (1:1.5:3 and 1:4:8)         27 2 2023 6x6x6         8.4 36 | Mark*         Casting Date*         Size         Weight (Kg/ gms)         X-Section (Sq. in)         load (Imp.Tons)           N-3140 (1:1.5:3 and 1.4:8)         27 2 2023 6x6x6          8.2 36 81           N-3140 (1:1.5:3 and 1:4:8)         27 2 2023 6x6x6          8.4 36 77 <td>Mark*   Casting Date*   Size   Weight   Weight   X-Section   load   Stress   (Kg/ gms)   (</td> <td>  Mark*   Casting Date*   Size   Weight   Weight   Weight   X-Section   load   Stress   Absorption on (%)    </td> | Mark*   Casting Date*   Size   Weight   Weight   X-Section   load   Stress   (Kg/ gms)   ( | Mark*   Casting Date*   Size   Weight   Weight   Weight   X-Section   load   Stress   Absorption on (%) |

Witnessed by:

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

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

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



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

> 5013 Dr. Qasim

To: **CW Manager ARCON** 

Project: Nil

Your Ref. No.

Our Ref. No. CL/CED/ 1589

Nil

Dated:

29/3/2023

**Test Specification** 

Nil Dated: (BS 1881-116)

### COMPRESSION TEST REPORT

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

Specimens received on: 28/03/2023 Tested on: 29/3/2023 in dry/wet condition



| Sr. No. | Mark*                        | Cas | ting | Date* | Size  | Wet<br>Weight       | Dry<br>Weight | Area of<br>X-Section | Ultimate<br>load | Ultimate<br>Stress | Absorpti | Remarks      |
|---------|------------------------------|-----|------|-------|-------|---------------------|---------------|----------------------|------------------|--------------------|----------|--------------|
|         |                              | DD  | MM   | YYYY  | (in)  | (Kg/ gms)           | (Kg/ gms)     | (Sq. in)             | (Imp.Tons)       | (psi)              | on (%)   |              |
| 1       | 53127 (1:1.5:3 and<br>1:4:8) | 28  | 2    | 2023  | 6x6x6 |                     | 8             | 36                   | 98               | 6098               |          | Non Engraved |
| 2       | 53127 (1:1.5:3 and<br>1:4:8) | 28  | 2    | 2023  | 6x6x6 |                     | 8             | 36                   | 115              | 7156               |          | Non Engraved |
| 3       |                              |     |      |       |       |                     |               |                      |                  |                    |          |              |
| 4       |                              |     |      |       |       |                     |               |                      |                  |                    |          |              |
| 5       |                              |     |      |       |       | CINE                | RIATE         |                      |                  |                    |          |              |
| 6       |                              |     |      |       |       | READ W              | 200           |                      |                  |                    |          |              |
| 7       |                              |     |      |       |       | DE THY<br>LIDRO WHO | - N           | = -                  |                  |                    |          |              |
| 8       |                              |     |      |       | es    |                     |               | - AND                |                  |                    |          |              |
| 9       |                              |     |      |       |       |                     |               |                      |                  |                    |          |              |
| 10      |                              |     |      |       | (     | -LA                 | HORE.         |                      |                  |                    |          |              |
| 11      |                              |     |      |       |       |                     | -             |                      |                  |                    |          |              |
| 12      |                              |     |      |       |       |                     |               |                      |                  |                    |          |              |
| 13      |                              |     |      |       |       |                     |               |                      |                  |                    |          |              |
| 14      |                              |     |      |       |       |                     |               |                      |                  |                    |          |              |
| 15      |                              |     |      |       |       |                     |               |                      |                  |                    |          |              |
| 16      |                              |     |      |       |       |                     |               |                      |                  |                    |          |              |

#### Witnessed by:

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

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

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

> 5013 Dr. Qasim

**Test Specification** 

To: **CW Manager ARCON** 

Project: Nil

Our Ref. No. CL/CED/ 1590

Dated: 29/3/2023

Nil Your Ref. No. Nil Dated: (BS 1881-116)

## COMPRESSION TEST REPORT

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

29/3/2023 Specimens received on: 28/03/2023 Tested on: in dry/wet condition



| Sr. No. | Mark*                                 | Cas | ting | Date* | Size  | Wet<br>Weight                 | Dry<br>Weight | Area of X-Section |            | Ultimate<br>Stress | Absorpti | Remarks      |
|---------|---------------------------------------|-----|------|-------|-------|-------------------------------|---------------|-------------------|------------|--------------------|----------|--------------|
|         |                                       | DD  | ММ   | YYYY  | (in)  | (Kg/ gms)                     | (Kg/ gms)     | (Sq. in)          | (Imp.Tons) | (psi)              | on (%)   |              |
| 1       | 4111 (1:1.5:3 and<br>1:4:8)           | 19  | 9    | 2021  | 6x6x6 |                               | 8.2           | 36                | 113        | 7031               |          | Non Engraved |
| 2       | 1:4:8)<br>4111 (1:1.5:3 and<br>1:4:8) | 19  | 9    | 2021  | 6x6x6 |                               | 8.4           | 36                | 87         | 5413               |          | Non Engraved |
| 3       |                                       |     |      |       |       |                               |               |                   |            |                    |          |              |
| 4       |                                       |     |      |       |       |                               |               |                   |            |                    |          |              |
| 5       |                                       |     |      |       |       | GINE                          | RING          |                   |            |                    |          |              |
| 6       |                                       |     |      |       |       | READIN                        |               |                   |            |                    |          |              |
| 7       |                                       |     |      |       |       | DE NAME<br>OF THY<br>LORD WHO | ₩             | =-                |            |                    |          |              |
| 8       |                                       |     |      |       | SS    |                               | 100           |                   |            |                    |          |              |
| 9       |                                       |     |      |       |       | ) <u> </u>                    |               | <b></b>           |            |                    |          |              |
| 10      |                                       |     |      |       |       | "-LA                          | HORE          |                   |            |                    |          |              |
| 11      |                                       |     |      |       |       |                               |               |                   |            |                    |          |              |
| 12      |                                       |     |      |       |       |                               |               |                   |            |                    |          |              |
| 13      |                                       |     |      |       |       |                               |               |                   |            |                    |          |              |
| 14      |                                       |     |      |       |       |                               |               |                   |            |                    |          |              |
| 15      |                                       |     |      |       |       |                               |               |                   |            |                    |          |              |
| 16      |                                       |     |      |       |       |                               |               |                   |            |                    |          |              |

Witnessed by:

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

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

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



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

> 5013 Dr. Qasim

To: **CW Manager ARCON** 

Project: Nil

Our Ref. No. CL/CED/ 1591

Dated: Your Ref. No. Nil Dated:

29/3/2023 **Test Specification** Nil (BS 1881-116)

### COMPRESSION TEST REPORT

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

28/03/2023 Tested on: 29/3/2023 Specimens received on: in dry/wet condition



| Sr. No. | Mark*                     |   |   | Date* | Size<br>(in) | Wet<br>Weight                    | 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       | N-5013(1:1.5:3 and 1:4:8) | 3 | 8 | 2022  | 6x6x6        |                                  | 8.2                        | 36                               | 77                             | 4791                        |                             | Non Engraved |
| 2       | N-5013(1:1.5:3 and 1:4:8) | 3 | 8 | 2022  | 6x6x6        |                                  | 8.2                        | 36                               | 82                             | 5102                        |                             | Non Engraved |
| 3       |                           |   |   |       |              |                                  |                            |                                  |                                |                             |                             |              |
| 4       |                           |   |   |       |              |                                  |                            |                                  |                                |                             |                             |              |
| 5       |                           |   |   |       |              | CINE                             | RINE                       |                                  |                                |                             |                             |              |
| 6       |                           |   |   |       |              | READ W                           | 2/15                       | <b></b>                          |                                |                             |                             |              |
| 7       |                           |   |   |       |              | DHE NAME<br>OF THY<br>LIDITO WHO | - E                        | 量-                               |                                |                             |                             |              |
| 8       |                           |   |   |       | 00           |                                  | 200                        |                                  |                                |                             |                             |              |
| 9       |                           |   |   |       | \            |                                  |                            | <b>7</b>                         |                                |                             |                             |              |
| 10      |                           |   |   |       | (            | -UA                              | INRE.                      |                                  |                                |                             |                             |              |
| 11      |                           |   |   |       |              |                                  |                            |                                  |                                |                             |                             |              |
| 12      |                           |   |   |       |              |                                  |                            |                                  |                                |                             |                             |              |
| 13      |                           |   |   |       |              |                                  |                            |                                  |                                |                             |                             |              |
| 14      |                           |   |   |       |              |                                  |                            |                                  |                                |                             |                             |              |
| 15      |                           |   |   |       |              |                                  |                            |                                  |                                |                             |                             |              |
| 16      |                           |   |   |       |              |                                  |                            |                                  |                                |                             |                             |              |

#### Witnessed by:

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

- 1. \* as engraved on the specimens (if any)
- 2. \*\* BS3921 requires average of ten clay brick samples for crushing strength and water absorption
- 3. \*\*\* BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
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A carbon copy for the report has been retained in the lab for record.

> 5013 Dr. Qasim

To: **CW Manager ARCON** 

Project: Nil

Our Ref. No. CL/CED/ 1592

Your Ref. No. Nil 29/3/2023 **Test Specification** 

(BS 1881-116)

### COMPRESSION TEST REPORT

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

Specimens received on: 28/03/2023 Tested on: 29/3/2023 in dry/wet condition



| Sr. No. | Mark*                        |    |    | Date* | Size  | Wet<br>Weight                   |           | Area of X-Section | load       |       | Water<br>Absorpti<br>on (%)           | Remarks      |
|---------|------------------------------|----|----|-------|-------|---------------------------------|-----------|-------------------|------------|-------|---------------------------------------|--------------|
|         | 52873 (1:1.5:3 and           | DD | MM | YYYY  | (in)  | (Kg/ gms)                       | (Kg/ gms) | (Sq. in)          | (Imp.Tons) | (psi) | · · · · · · · · · · · · · · · · · · · |              |
| 1       | 1:4:8)                       | 9  | 3  | 2023  | 6x6x6 |                                 | 8.4       | 36                | 94         | 5849  |                                       | Non Engraved |
| 2       | 52873 (1:1.5:3 and<br>1:4:8) | 9  | 3  | 2023  | 6x6x6 |                                 | 8.2       | 36                | 111        | 6907  |                                       | Non Engraved |
| 3       |                              |    |    |       |       |                                 |           |                   |            |       |                                       |              |
| 4       |                              |    |    |       |       |                                 |           |                   |            |       |                                       |              |
| 5       |                              |    |    |       |       | RIVE                            | RING      |                   |            |       |                                       |              |
| 6       |                              |    |    |       |       | READIN                          | 200       |                   |            |       |                                       |              |
| 7       |                              |    |    |       |       | DHE NAME<br>OF THY<br>LIDRO WHO | 1999      | E -               |            |       |                                       |              |
| 8       |                              |    |    |       | os    |                                 |           | INO               |            |       |                                       |              |
| 9       |                              |    |    |       |       |                                 |           |                   |            |       |                                       |              |
| 10      |                              |    |    |       | <     | -UA                             | IORE.     |                   |            |       |                                       |              |
| 11      |                              |    |    |       |       |                                 |           |                   |            |       |                                       |              |
| 12      |                              |    |    |       |       |                                 |           |                   |            |       |                                       |              |
| 13      |                              |    |    |       |       |                                 |           |                   |            |       |                                       |              |
| 14      |                              |    |    |       |       |                                 |           |                   |            |       |                                       |              |
| 15      |                              |    |    |       |       |                                 |           |                   |            |       |                                       |              |
| 16      |                              |    |    |       |       |                                 |           |                   |            |       |                                       |              |

Dated:

Dated:

Nil

#### Witnessed by:

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

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

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

> 5013 Dr. Qasim

To: **CW Manager ARCON** 

Project: Nil

Your Ref. No.

Our Ref. No. CL/CED/ 1593

Nil

Dated: 29/3/2023 **Test Specification** 

Nil Dated: (BS 1881-116)

### COMPRESSION TEST REPORT

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

Specimens received on: 28/03/2023 Tested on: 29/3/2023 in dry/wet condition



| Mark*                     | Cas   | ting  | Date*  | Size  | Wet<br>Weight   | Dry<br>Weight                             | Area of<br>X-Section                                   | Ultimate<br>load | Ultimate<br>Stress   | Absorpti | Remarks   |
|---------------------------|---|---|--|---|---|---|--|------------------|--|----------|---|
|                           | DD  | MM  | YYYY   | (in)  | (Kg/ gms)   | (Kg/ gms)                                 | (Sq. in)   | (Imp.Tons)       | (psi)  | on (%)   |   |
| 1:4:8)                    | 10  | 3   | 2023   | 6x6x6   |   | 8.2                                       | 36   | 117              | 7280   |          | Non Engraved  |
| 99 (1:1.5:3 and<br>1:4:8) | 10  | 3   | 2023   | 6x6x6   |   | 8.2                                       | 36   | 79               | 4916   |          | Non Engraved  |
|                           |   |   |  |   |   |   |  |                  |  |          |   |
|                           |   |   |  |   |   |   |  |                  |  |          |   |
|                           |   |   |  |   | GEINE   | RINE                                      |  |                  |  |          |   |
|                           |   |   |  |   | NEAD W  | 205                                       |  |                  |  |          |   |
|                           |   |   |  |   | DHE NAME<br>OF THY<br>LIQKO WHI   | - E                                       | ===  |                  |  |          |   |
|                           |   |   |  | SS  |   |   |  |                  |  |          |   |
|                           |   |   |  |   | <b>7</b>  |   | 7  |                  |  |          |   |
|                           |   |   |  |   | - LA  | IORE                                      |  |                  |  |          |   |
|                           |   |   |  |   |   |   |  |                  |  |          |   |
|                           |   |   |  |   |   |   |  |                  |  |          |   |
|                           |   |   |  |   |   |   |  |                  |  |          |   |
|                           |   |   |  |   |   |   |  |                  |  |          |   |
|                           |   |   |  |   |   |   |  |                  |  |          |   |
|                           |   |   |  |   |   |   |  |                  |  |          |   |
|                           | 99 (1:1.5:3 and 1:4:8) 99 (1:1.5:3 and 1:4:8) | Mark*  DD  99 (1:1.5:3 and 1:4:8)  99 (1:1.5:3 and 10  1:4:8) | Mark*  DD MM  99 (1:1.5:3 and 1:4:8)  99 (1:1.5:3 and 1:4:8) | 99 (1:1.5:3 and 1:4:8) 99 (1:1.5:3 and 1:4:8) 10 3 2023  99 (1:1.5:3 and 1:4:8) | Mark*  DD MM YYYY (in)  99 (1:1.5:3 and 10 3 2023 6x6x6  99 (1:1.5:3 and 110 3 2023 6x6x6 | Mark*    DD   MM   YYYY   (in)   (Kg/gms) | Mark*    DD   MM   YYYY   (in)   (Kg/ gms)   (Kg/ gms) | Mark*            | Mark*   Casting Date*   Size   Weight   Weight   Weight   Meight   Meight | Mark*    | Mark*         Casting Date*         Size         Weight Weight (Kg/gms)         Weight (Kg/gms)         X-Section (load (lmp.Tons))         Stress Absorption (%)           99 (1:1.5:3 and 1:4:8)         10         3         2023         6x6x6          8.2         36         117         7280            99 (1:1.5:3 and 1:4:8)         10         3         2023         6x6x6          8.2         36         79         4916 |

### Witnessed by:

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

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

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

> 5013 Dr. Qasim

**Test Specification** 

To: **CW Manager ARCON** 

Project: Nil

Your Ref. No.

Our Ref. No. CL/CED/ 1594

Nil

Dated: 29/3/2023

Nil Dated: (BS 1881-116)

## COMPRESSION TEST REPORT

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

Specimens received on: 28/03/2023 Tested on: 29/3/2023 in dry/wet condition



| Sr. No.       | Mark*                      | Cas | ting | Date* | Size  | Wet<br>Weight       | Dry<br>Weight | Area of<br>X-Section | Ultimate<br>load | Ultimate<br>Stress | Absorpti | Remarks      |
|---------------|----------------------------|-----|------|-------|-------|---------------------|---------------|----------------------|------------------|--------------------|----------|--------------|
|               |                            | DD  | MM   | YYYY  | (in)  | (Kg/ gms)           | (Kg/ gms)     | (Sq. in)             | (Imp.Tons)       | (psi)              | on (%)   |              |
| 1             | N-3393 (1:1.5:3 and 1:4:8) | 16  | 3    | 2023  | 6x6x6 |                     | 8             | 36                   | 120              | 7467               |          | Non Engraved |
| 2             | N-3393 (1:1.5:3 and 1:4:8) | 16  | 3    | 2023  | 6x6x6 |                     | 8             | 36                   | 66               | 4107               |          | Non Engraved |
| 3             |                            |     |      |       |       |                     |               |                      |                  |                    |          |              |
| 4             |                            |     |      |       |       |                     |               |                      |                  |                    |          |              |
| 5             |                            |     |      |       |       | CEINE               | RINA          |                      |                  |                    |          |              |
| 6             |                            |     |      |       |       | READ W              | 200           |                      |                  |                    |          |              |
| 7             |                            |     |      |       |       | DE THY<br>LIDRO WHO | - F           | =                    |                  |                    |          |              |
| 8             |                            |     |      |       |       |                     |               |                      |                  |                    |          |              |
| 9             |                            |     |      |       |       |                     |               |                      |                  |                    |          |              |
| 10            |                            |     |      |       |       | -LA                 | MORE          |                      |                  |                    |          |              |
| 11            |                            |     |      |       |       |                     |               |                      |                  |                    |          |              |
| 12            |                            |     |      |       |       |                     |               |                      |                  |                    |          |              |
| 13            |                            |     |      |       |       |                     |               |                      |                  |                    |          |              |
| 14            |                            |     |      |       |       |                     |               |                      |                  |                    |          |              |
| 15            |                            |     |      |       |       |                     |               |                      |                  |                    |          |              |
| 16            |                            |     |      |       |       |                     |               |                      |                  |                    |          |              |
| 16<br>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 comprerssive strength

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

> 5013 Dr. Qasim

**Test Specification** 

(BS 1881-116)

To: **CW Manager ARCON** 

Project: Nil

Our Ref. No. CL/CED/ 1595

Dated: 29/3/2023 Your Ref. No. Nil Nil Dated:

#### COMPRESSION TEST REPORT

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

Specimens received on: 28/03/2023 Tested on: 29/3/2023 in dry/wet condition



| Sr. No. | Mark*                        | Cas | ting | Date* | Size  | Wet<br>Weight                   | Dry<br>Weight | Area of<br>X-Section | Ultimate<br>load | Ultimate<br>Stress | Absorpti                                       | Remarks      |
|---------|------------------------------|-----|------|-------|-------|---------------------------------|---------------|----------------------|------------------|--------------------|--|--------------|
|         |                              | DD  | MM   | YYYY  | (in)  | (Kg/ gms)                       | (Kg/ gms)     | (Sq. in)             | (Imp.Tons)       | (psi)              | on (%)   |              |
| 1       | 53745 (1:1.5:3 and 1:4:8)    | 15  | 3    | 2023  | 6x6x6 |                                 | 8             | 36                   | 91               | 5662               |  | Non Engraved |
| 2       | 53745 (1:1.5:3 and<br>1:4:8) | 15  | 3    | 2023  | 6x6x6 |                                 | 8             | 36                   | 76               | 4729               |  | Non Engraved |
| 3       |                              |     |      |       |       |                                 |               |                      |                  |                    |  |              |
| 4       |                              |     |      |       |       |                                 |               |                      |                  |                    |  |              |
| 5       |                              |     |      |       |       | TETNE                           | RINE          |                      |                  |                    |  |              |
| 6       |                              |     |      |       |       | I NEAD W                        | CHIEF D       |                      |                  |                    |  |              |
| 7       |                              |     |      |       |       | DHE NAME<br>OF THY<br>LIDRO WHO | - F           | =                    |                  |                    |  |              |
| 8       |                              |     |      |       | ea    |                                 |               |                      |                  |                    |  |              |
| 9       |                              |     |      |       |       | \                               |               |                      |                  |                    |  |              |
| 10      |                              |     |      |       |       | · LA                            | IORE.         |                      |                  |                    |  |              |
| 11      |                              |     |      |       |       |                                 |               |                      |                  |                    |  |              |
| 12      |                              |     |      |       |       |                                 |               |                      |                  |                    |  |              |
| 13      |                              |     |      |       |       |                                 |               |                      |                  |                    |  |              |
| 14      |                              |     |      |       |       |                                 |               |                      |                  |                    |  |              |
| 15      |                              |     |      |       |       |                                 |               |                      |                  |                    |  |              |
| 16      |                              |     |      |       |       |                                 |               |                      |                  |                    |  |              |
| Witness | sed by:                      | •   |      |       |       | •                               |               | •                    |                  |                    | <u>.                                      </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 comprerssive strength

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

> 5013 Dr. Qasim

To: **CW Manager ARCON** 

Project: Nil

Our Ref. No. CL/CED/ 1596

Your Ref. No.

Nil

Dated: 29/3/2023

Dated:

**Test Specification** 

Nil (BS 1881-116)

### COMPRESSION TEST REPORT

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

Specimens received on: 28/03/2023 Tested on: 29/3/2023 in dry/wet condition



| Sr. No.              | Mark*                                   | Cas | ting | Date* | Size  | Wet<br>Weight                 | Dry<br>Weight | Area of X-Section | Ultimate<br>load | Ultimate<br>Stress | Absorpti | Remarks      |
|----------------------|---|-----|------|-------|-------|-------------------------------|---------------|-------------------|------------------|--------------------|----------|--------------|
|                      |   |     | MM   | YYYY  | (in)  | (Kg/ gms)                     | (Kg/ gms)     | (Sq. in)          | (Imp.Tons)       | (psi)              | on (%)   |              |
| 1                    | IBKS03 (1:1.5:3 and<br>1:4:8)           | 20  | 12   | 2021  | 6x6x6 |                               | 8             | 36                | 90               | 5600               |          | Non Engraved |
| 2                    | 1:4:8)<br>IBKS03 (1:1.5:3 and<br>1:4:8) | 20  | 12   | 2021  | 6x6x6 |                               | 8.2           | 36                | 81               | 5040               |          | Non Engraved |
| 3                    |   |     |      |       | -     |                               |               |                   |                  |                    |          |              |
| 4                    |   |     |      |       |       |                               |               |                   |                  |                    |          |              |
| 5                    |   |     |      |       |       | GEINE                         | RINE          |                   |                  |                    |          |              |
| 6                    |   |     |      |       |       | N DAGIN                       | 205           |                   |                  |                    |          |              |
| 7                    |   |     |      |       |       | DE NICE<br>OF THY<br>LORD WHO | ₩. 7 m        |                   |                  |                    |          |              |
| 8                    |   |     |      |       |       |                               |               |                   |                  |                    |          |              |
| 9                    |   |     |      |       |       | <u></u>                       |               | <b>7</b>          |                  |                    |          |              |
| 10                   |   |     |      |       |       | · LA                          | IORE          |                   |                  |                    |          |              |
| 11                   |   |     |      |       |       |                               |               |                   |                  |                    |          |              |
| 12                   |   |     |      |       |       |                               |               |                   |                  |                    |          |              |
| 13                   |   |     |      |       |       |                               |               |                   |                  |                    |          |              |
| 14                   |   |     |      |       |       |                               |               |                   |                  |                    |          |              |
| 15                   |   |     |      |       |       |                               |               |                   |                  |                    |          |              |
| 16                   |   |     |      |       |       |                               |               |                   |                  |                    |          |              |
| 13<br>14<br>15<br>16 |   |     |      |       |       |                               |               |                   |                  |                    |          |              |

#### Witnessed by:

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

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

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

> 5013 Dr. Qasim

To: **CW Manager ARCON** 

Project: Nil

Our Ref. No. CL/CED/ 1597

Your Ref. No.

Nil

Dated: 29/3/2023 **Test Specification** 

Nil Dated: (BS 1881-116)

### COMPRESSION TEST REPORT

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

Specimens received on: 28/03/2023 Tested on: 29/3/2023 in dry/wet condition



| Sr. No. | Mark*                        | Cas | ting | Date* | Size  | Wet<br>Weight                   | Dry<br>Weight | Area of<br>X-Section | Ultimate<br>load | Ultimate<br>Stress | Absorpti | Remarks      |
|---------|------------------------------|-----|------|-------|-------|---------------------------------|---------------|----------------------|------------------|--------------------|----------|--------------|
|         |                              | DD  | MM   | YYYY  | (in)  | (Kg/ gms)                       | (Kg/ gms)     | (Sq. in)             | (Imp.Tons)       | (psi)              | on (%)   |              |
| 1       | 51549 (1:1.5:3 and<br>1:4:8) | 10  | 9    | 2021  | 6x6x6 |                                 | 8             | 36                   | 80               | 4978               |          | Non Engraved |
| 2       | 51549 (1:1.5:3 and<br>1:4:8) | 10  | 9    | 2021  | 6x6x6 |                                 | 7.8           | 36                   | 80               | 4978               |          | Non Engraved |
| 3       |                              |     |      |       |       |                                 |               |                      |                  |                    |          |              |
| 4       |                              |     |      |       |       |                                 |               |                      |                  |                    |          |              |
| 5       |                              |     |      |       |       | CINE                            | RINA          |                      |                  |                    |          |              |
| 6       |                              |     |      |       |       | READ W                          | 200           |                      |                  |                    |          |              |
| 7       |                              |     |      |       |       | DHE NIME<br>OF THY<br>LIDRO WHO |               | 畫                    |                  |                    |          |              |
| 8       |                              |     |      |       | es    |                                 |               |                      |                  |                    |          |              |
| 9       |                              |     |      |       |       |                                 | Z             | <b></b>              |                  |                    |          |              |
| 10      |                              |     |      |       | 🤇     | -LA                             | IORE .        |                      |                  |                    |          |              |
| 11      |                              |     |      |       |       |                                 |               |                      |                  |                    |          |              |
| 12      |                              |     |      |       |       |                                 |               |                      |                  |                    |          |              |
| 13      |                              |     |      |       |       |                                 |               |                      |                  |                    |          |              |
| 14      |                              |     |      |       |       |                                 |               |                      |                  |                    |          |              |
| 15      |                              |     |      |       |       |                                 |               |                      |                  |                    |          |              |
| 16      |                              |     |      |       |       |                                 |               |                      |                  |                    |          |              |

#### Witnessed by:

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

- 1. \* as engraved on the specimens (if any)
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- 3. \*\*\* BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
- 4. \*\*\*\* ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprerssive strength

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ORIGINAL

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

> 5013 Dr. Qasim

To: CW Manager ARCON

Project: Nil

Our Ref. No. CL/CED/ 1598

Your Ref. No. Nil

Dated: 29/3/2023

**Test Specification** 

Dated: Nil (BS 1881-116)

### **COMPRESSION TEST REPORT**

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

Specimens received on: 28/03/2023 Tested on: 29/3/2023 in dry/wet condition



| Sr. No. | Mark*   | Cas | ting | Date* | Size  | Wet<br>Weight       | Dry<br>Weight | Area of X-Section | Ultimate<br>load | Ultimate<br>Stress | Absorpti | Remarks      |
|---------|---|-----|------|-------|-------|---------------------|---------------|-------------------|------------------|--------------------|----------|--------------|
|         |   | DD  | ММ   | YYYY  | (in)  | (Kg/ gms)           | (Kg/ gms)     | (Sq. in)          | (Imp.Tons)       | (psi)              | on (%)   |              |
| 1       | Rep-N2-2023<br>(1:1.5:3 and 1:4:8)                        | 21  | 3    | 2023  | 6x6x6 |                     | 7.8           | 36                | 101              | 6284               |          | Non Engraved |
| 2       | (1:1.5:3 and 1:4:8)<br>Rep-N2-2023<br>(1:1.5:3 and 1:4:8) | 21  | 3    | 2023  | 6x6x6 |                     | 7.8           | 36                | 100              | 6222               |          | Non Engraved |
| 3       |   |     |      |       |       |                     |               |                   |                  |                    |          |              |
| 4       |   |     |      |       |       |                     |               |                   |                  |                    |          |              |
| 5       |   |     |      |       | /     | CTNE                | RINE          |                   |                  |                    |          |              |
| 6       |   |     |      |       |       | READ W              | 2/15          |                   |                  |                    |          |              |
| 7       |   |     |      |       |       | DE THY<br>LIDRO WHO | ωξυ <u></u> 1 | =                 |                  |                    |          |              |
| 8       |   |     |      |       | es    |                     |               |                   |                  |                    |          |              |
| 9       |   |     |      |       |       | _                   |               |                   |                  |                    |          |              |
| 10      |   |     |      |       |       | -LA                 | IORE.         |                   |                  |                    |          |              |
| 11      |   |     |      |       |       |                     |               |                   |                  |                    |          |              |
| 12      |   |     |      |       |       |                     |               |                   |                  |                    |          |              |
| 13      |   |     |      |       |       |                     |               |                   |                  |                    |          |              |
| 14      |   |     |      |       |       |                     |               |                   |                  |                    |          |              |
| 15      |   |     |      |       |       |                     |               |                   |                  |                    |          |              |
| 16      |   |     |      |       |       |                     |               |                   |                  |                    |          |              |

#### Witnessed by:

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

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

> 5013 Dr. Qasim

To: **CW Manager ARCON** 

Project: Nil

Your Ref. No.

Our Ref. No. CL/CED/ 1599

Nil

Dated: Dated: 29/3/2023

**Test Specification** 

Nil (BS 1881-116)

### COMPRESSION TEST REPORT

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

28/03/2023 Tested on: 29/3/2023 Specimens received on: in dry/wet condition



| Sr. No. | Mark*                      |    |   | Date* | Size<br>(in) | Wet<br>Weight<br>(Ka/ ams)      | Dry<br>Weight<br>(Kg/ gms) | Area of<br>X-Section<br>(Sq. in) |    | Ultimate<br>Stress<br>(psi) | Water<br>Absorpti<br>on (%) | Remarks      |
|---------|----------------------------|----|---|-------|--------------|---------------------------------|----------------------------|----------------------------------|----|-----------------------------|-----------------------------|--------------|
| 1       | 117 (1:1.5:3 and<br>1:4:8) | 20 | 3 | 2023  | 6x6x6        |                                 | 8                          | 36                               | 90 | 5600                        |                             | Non Engraved |
| 2       | 117 (1:1.5:3 and<br>1:4:8) | 20 | 3 | 2023  | 6x6x6        |                                 | 8                          | 36                               | 80 | 4978                        |                             | Non Engraved |
| 3       |                            |    |   |       |              |                                 |                            |                                  |    |                             |                             |              |
| 4       |                            |    |   |       |              |                                 |                            |                                  |    |                             |                             |              |
| 5       |                            |    |   |       |              | CINE                            | RINE                       |                                  |    |                             |                             |              |
| 6       |                            |    |   |       |              | READ W                          | 2/15                       |                                  |    |                             |                             |              |
| 7       |                            |    |   |       |              | DHE NIME<br>OF THY<br>LIDRO WHO | - S                        | 畫                                |    |                             |                             |              |
| 8       |                            |    |   |       | 08           |                                 |                            | INO                              |    |                             |                             |              |
| 9       |                            |    |   |       |              |                                 |                            |                                  |    |                             |                             |              |
| 10      |                            |    |   |       | 🤇            | -LA                             | IORE.                      |                                  |    |                             |                             |              |
| 11      |                            |    |   |       |              |                                 |                            |                                  |    |                             |                             |              |
| 12      |                            |    |   |       |              |                                 |                            |                                  |    |                             |                             |              |
| 13      |                            |    |   |       |              |                                 |                            |                                  |    |                             |                             |              |
| 14      |                            |    |   |       |              |                                 |                            |                                  |    |                             |                             |              |
| 15      |                            |    |   |       |              |                                 |                            |                                  |    |                             |                             |              |
| 16      |                            |    |   |       |              |                                 |                            |                                  |    |                             |                             |              |

#### Witnessed by:

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

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

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

> 5013 Dr. Qasim

**Test Specification** 

To: **CW Manager ARCON** 

Project: Nil

Our Ref. No. CL/CED/ 1600 Dated: 29/3/2023

Your Ref. No. Nil Nil Dated: (BS 1881-116)

## COMPRESSION TEST REPORT

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

Specimens received on: 28/03/2023 Tested on: 29/3/2023 in dry/wet condition



| Sr. No. Mark*              |   |   | Date*  | Size  | Wet<br>Weight                   | Dry<br>Weight                             | Area of X-Section                                 | Ultimate<br>load   | Ultimate<br>Stress   | Absorpti | Remarks  |
|----------------------------|---|---|--|---|---------------------------------|---|---|--|--|----------|--|
|                            | DD  | MM  | YYYY   | (in)  | (Kg/ gms)                       | (Kg/ gms)                                 | (Sq. in)  | (Imp.Tons)   | (psi)  | on (%)   |  |
| 1:4:8)                     | 19  | 3   | 2023   | 6x6x6   |                                 | 8   | 36  | 97   | 6036   |          | Non Engraved   |
| 102 (1:1.5:3 and<br>1:4:8) | 19  | 3   | 2023   | 6x6x6   |                                 | 8.2                                       | 36  | 88   | 5476   |          | Non Engraved   |
|                            |   |   |  |   |                                 |   |   |  |  |          |  |
|                            |   |   |  |   |                                 |   |   |  |  |          |  |
|                            |   |   |  | /   | GINE                            | RINE                                      |   |  |  |          |  |
|                            |   |   |  |   | NEAD W                          | 2015                                      |   |  |  |          |  |
|                            |   |   |  |   | DHE NAME<br>OF THY<br>LIDRO WHO | - F                                       | =   |  |  |          |  |
|                            |   |   |  | ea  |                                 |   |   |  |  |          |  |
|                            |   |   |  |   | <u> </u>                        |   |   |  |  |          |  |
|                            |   |   |  |   | · LA                            | IORE.                                     |   |  |  |          |  |
|                            |   |   |  |   |                                 |   |   |  |  |          |  |
|                            |   |   |  |   |                                 |   |   |  |  |          |  |
|                            |   |   |  |   |                                 |   |   |  |  |          |  |
|                            |   |   |  |   |                                 |   |   |  |  |          |  |
|                            |   |   |  |   |                                 |   |   |  |  |          |  |
|                            |   |   |  |   |                                 |   |   |  |  |          |  |
|                            | 102 (1:1.5:3 and 1:4:8) 102 (1:1.5:3 and 1:4:8) | Mark* DD  102 (1:1.5:3 and 1:4:8) 102 (1:1.5:3 and 1:4:8) | Mark*  DD MM  102 (1:1.5:3 and 1:4:8)  102 (1:1.5:3 and 1:4:8) | DD MM YYYY  102 (1:1.5:3 and 1:4:8)  102 (1:1.5:3 and 1:4:8)  19 3 2023 | DD   MM YYYY                    | Mark*    DD   MM   YYYY   (in)   (Kg/gms) | Mark*   DD MM YYYY   (in)   (Kg/ gms)   (Kg/ gms) | Mark*    Casting Date*   Size   Weight   Weight   Weight   X-Section | Mark*   Casting Date*   Size   Weight   Weight   Weight   Meight   Meight | Mark*    | Mark*         Casting Date*         Size         Weight Weight (Kg/gms)         Weight (Kg/gms)         X-Section (Ioad Stress Absorption (96))         Weight (Mg/gms)         X-Section (Imp.Tons)         Ioad (Imp.Tons)         Stress Absorption (96)           102 (1:1.5:3 and 1:4:8)         19 3 2023 6x6x6          8 36 97 6036            102 (1:1.5:3 and 1:4:8)         19 3 2023 6x6x6          8.2 36 88 5476 |

Witnessed by:

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

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

- 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)
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**ORIGINAL** 

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> 5013 Dr. Qasim

To: CW Manager ARCON

Project: Nil

Your Ref. No.

Our Ref. No. CL/CED/ 1601

Our Rei. No. CL/CED/ 1001

Nil

Dated: 29/3/2023

Dated:

**Test Specification** 

Nil (BS 1881-116)

## **COMPRESSION TEST REPORT**

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

Specimens received on: 28/03/2023 Tested on: 29/3/2023 in dry/wet condition



| Sr. No. | Mark*  | 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) |    |      | Water<br>Absorpti<br>on (%) | Remarks      |
|---------|--|---------------|---|------|--------------|---------------------------------|----------------------------|----------------------------------|----|------|-----------------------------|--------------|
| 1       | 151 (1:1.5:3 and<br>1:4:8)<br>151 (1:1.5:3 and | 18            | 3 | 2023 | 6x6x6        |                                 | 7.8                        | 36                               | 82 | 5102 |                             | Non Engraved |
| 2       | 151 (1:1.5:3 and<br>1:4:8)                     | 18            | 3 | 2023 | 6x6x6        |                                 | 8                          | 36                               | 97 | 6036 |                             | Non Engraved |
| 3       |  |               |   |      |              |                                 |                            |                                  |    |      |                             |              |
| 4       |  |               |   |      |              |                                 |                            |                                  |    |      |                             |              |
| 5       |  |               |   |      | /            | CINE                            | RINE                       |                                  |    |      |                             |              |
| 6       |  |               |   |      |              | READIN                          |                            |                                  |    |      |                             |              |
| 7       |  |               |   |      |              | DHE NAME<br>OF THY<br>LIDRO WHO | 1999                       | =                                |    |      |                             |              |
| 8       |  |               |   |      | es           |                                 |                            |                                  |    |      |                             |              |
| 9       |  |               |   |      |              | _                               |                            |                                  |    |      |                             |              |
| 10      |  |               |   |      |              | -UA                             | HORE.                      |                                  |    |      |                             |              |
| 11      |  |               |   |      |              |                                 |                            |                                  |    |      |                             |              |
| 12      |  |               |   |      |              |                                 |                            |                                  |    |      |                             |              |
| 13      |  |               |   |      |              |                                 |                            |                                  |    |      |                             |              |
| 14      |  |               |   |      |              |                                 |                            |                                  |    |      |                             |              |
| 15      |  |               |   |      |              |                                 |                            |                                  |    |      |                             |              |
| 16      |  |               |   |      |              |                                 |                            |                                  |    |      |                             |              |

#### Witnessed by:

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

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

- 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.



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.

> 5013 Dr. Qasim

To: CW Manager ARCON

Project: Nil

0---- D-4 N- 01/0ED/

Our Ref. No. CL/CED/ 1602

Your Ref. No. Nil

Dated: 29/3/2023

Dated:

Nil

Test Specification
(BS 1881-116)

### COMPRESSION TEST REPORT

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

Specimens received on: 28/03/2023 Tested on: 29/3/2023 in dry/wet condition



| N-3383 (1:1.5:3 and           |                           |                           |                                |                              | Weight                             | Dry<br>Weight             | X-Section                 | load                                    | Stress                                     | Water<br>Absorpti                                | Remarks  |
|-------------------------------|---------------------------|---------------------------|--------------------------------|------------------------------|------------------------------------|---------------------------|---------------------------|---|--|--|--|
| 1 2202 /4:4 E:2 and           | טט                        | MM                        | YYYY                           | (in)                         | (Kg/ gms)                          | (Kg/ gms)                 | (Sq. in)                  | (Imp.Tons) (p                           | (psi)                                      | on (%)   |  |
| 1:4:8)                        | 18                        | 3                         | 2023                           | 6x6x6                        |                                    | 8                         | 36                        | 67                                      | 4169                                       |  | Non Engraved                                   |
| N-3383 (1:1.5:3 and<br>1:4:8) | 18                        | 3                         | 2023                           | 6x6x6                        |                                    | 8                         | 36                        | 79                                      | 4916                                       |  | Non Engraved                                   |
|                               |                           |                           |                                |                              |                                    |                           |                           |   |  |  |  |
|                               |                           |                           |                                |                              |                                    |                           |                           |   |  |  |  |
|                               |                           |                           |                                | /                            | RINE                               | RING                      |                           |   |  |  |  |
|                               |                           |                           |                                |                              | READ IN                            | 200                       |                           |   |  |  |  |
|                               |                           |                           |                                |                              | DHE NIME<br>OF THY<br>LIDRO WHO    | - F                       | 畫-                        |   |  |  |  |
|                               |                           |                           |                                | es                           |                                    |                           |                           |   |  |  |  |
|                               |                           |                           |                                |                              |                                    |                           |                           |   |  |  |  |
|                               |                           |                           |                                | 🤇                            | -LA                                | MORE                      |                           |   |  |  |  |
|                               |                           |                           |                                |                              |                                    | -                         |                           |   |  |  |  |
|                               |                           |                           |                                |                              |                                    |                           |                           |   |  |  |  |
|                               |                           |                           |                                |                              |                                    |                           |                           |   |  |  |  |
|                               |                           |                           |                                |                              |                                    |                           |                           |   |  |  |  |
|                               |                           |                           |                                |                              |                                    |                           |                           |   |  |  |  |
|                               |                           |                           |                                |                              |                                    |                           |                           |   |  |  |  |
|                               | -3383 (1:1.5:3 and 1:4:8) | -3383 (1:1.5:3 and 1:4:8) | -3383 (1:1.5:3 and 18 3 1:4:8) | -3383 (1:1.5:3 and 18 3 2023 | -3383 (1:1.5:3 and 18 3 2023 6x6x6 | -3383 (1:1.5:3 and 1:4:8) | -3383 (1:1.5:3 and 1:4:8) | -3383 (1:1.5:3 and 18 3 2023 6x6x6 8 36 | -3383 (1:1.5:3 and 18 3 2023 6x6x6 8 36 79 | -3383 (1:1.5:3 and 1:8 3 2023 6x6x6 8 36 79 4916 | -383 (1:1.5:3 and 18 3 2023 6x6x6 8 36 79 4916 |

Witnessed by:

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