

**Civil Engineering Department** 

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

8091 Engr. A. Rehman

#### To: AL-HADEED CORPORATION Gulberg III, Lahore.

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

| Our Ref. No. CL/CED/ 6408-1 of 2 | Dated: | 11-11-24 | Test Specification |
|----------------------------------|--------|----------|--------------------|
| Your Ref. No. AHC/553/10         | Dated: | 25-10-24 | (ASTM C39)         |

### **COMPRESSION TEST REPORT**



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

| Specime | ens received on: | 2  | 5-10 | -24   | Tested on:   | 08-1                          | 1-24                       | in dry/wet condition             |                                | Ē    | jesusa                      |              |
|---------|------------------|----|------|-------|--------------|-------------------------------|----------------------------|----------------------------------|--------------------------------|------|-----------------------------|--------------|
| 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>Ioad<br>(Imp.Tons) |      | Water<br>Absorpti<br>on (%) | Remarks      |
| 1       |                  | 20 | 10   | 2024  | 6Diax12      |                               | 13                         | 28.28                            | 24                             | 1901 |                             | Non Engraved |
| 2       |                  | 20 | 10   | 2024  | 6Diax12      |                               | 14                         | 28.28                            | 62                             | 4911 |                             | Non Engraved |
| 3       |                  | 20 | 10   | 2024  | 6Diax12      |                               | 13.6                       | 28.28                            | 46                             | 3644 |                             | Non Engraved |
| 4       |                  | 23 | 10   | 2024  | 6Diax12      |                               | 13.4                       | 28.28                            | 44                             | 3485 |                             | Non Engraved |
| 5       |                  | 23 | 10   | 2024  | 6Diax12      | WHINE                         | 13.4                       | 28.28                            | 24                             | 1901 |                             | Non Engraved |
| 6       |                  | 23 | 10   | 2024  | 6Diax12      | READ N                        | 13                         | 28.28                            | 33                             | 2614 |                             | Non Engraved |
| 7       |                  |    |      |       |              | OF THY<br>CORD WHO<br>OREATES | زیک<br>الذکی خلق ر         |                                  |                                |      |                             |              |
| 8       |                  |    |      |       | 188          |                               |                            | 5-                               |                                |      |                             |              |
| 9       |                  |    |      |       |              | 200                           |                            | <b>?</b>                         |                                |      |                             |              |
| 10      |                  |    |      |       | \            |                               | IOR -                      |                                  |                                |      |                             |              |
| 11      |                  |    |      |       |              |                               |                            |                                  |                                |      |                             |              |
| 12      |                  |    |      |       |              |                               |                            |                                  |                                |      |                             |              |
| 13      |                  |    |      |       |              |                               |                            |                                  |                                |      |                             |              |
| 14      |                  |    |      |       |              |                               |                            |                                  |                                |      |                             |              |
| 15      |                  |    |      |       |              |                               |                            |                                  |                                |      |                             |              |
| 16      |                  |    |      |       |              |                               |                            |                                  |                                |      |                             |              |

#### Witnessed by:

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

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

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

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

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

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

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

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



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8213 Dr. Wasim Abbas

To: MEL (Pvt.) Limited. DHA Phase-8 Lahore Cantt.

| Project: GMD      |                     |        |          |                    |
|-------------------|---------------------|--------|----------|--------------------|
| Our Ref. No. CL/C | ED/ 6409            | Dated: | 11-11-24 | Test Specification |
| Your Ref. No.     | ISPL-112-LET-000401 | Dated: | 11-11-24 | (ASTM C39)         |

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### **COMPRESSION TEST REPORT**



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

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| Specim  | ens received on: | 1         | 1-11 | -24           | Tested on:   | 11-1                         | 1-24                       | in dry/wet condition             |                                | Ū                           | jester                      |              |
|---------|------------------|-----------|------|---------------|--------------|------------------------------|----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|--------------|
| Sr. No. | Mark*            | Cas<br>DD | -    | Date*<br>YYYY | Size<br>(in) | Wet<br>Weight<br>(Kg/ gms)   | Dry<br>Weight<br>(Kg/ gms) | Area of<br>X-Section<br>(Sq. in) | Ultimate<br>load<br>(Imp.Tons) | Ultimate<br>Stress<br>(psi) | Water<br>Absorpti<br>on (%) | Remarks      |
| 1       | Raft (3000 Psi)  | 21        | 10   | 2024          | 6Diax12      |                              | 13                         | 28.28                            | 36                             | 2851                        |                             | Non Engraved |
| 2       | Raft (3000 Psi)  | 21        | 10   | 2024          | 6Diax12      |                              | 13                         | 28.28                            | 83                             | 6574                        |                             | Non Engraved |
| 3       | Raft (3000 Psi)  | 21        | 10   | 2024          | 6Diax12      |                              | 12.4                       | 28.28                            | 34                             | 2693                        |                             | Non Engraved |
| 4       |                  |           |      |               |              |                              |                            |                                  |                                |                             |                             |              |
| 5       |                  |           |      |               |              | WHINE                        | BIAts                      |                                  |                                |                             |                             |              |
| 6       |                  |           |      |               |              | READIN                       |                            |                                  |                                |                             |                             |              |
| 7       |                  |           |      |               |              | OF THY<br>CRD WHO<br>OREATES | ریجہ<br>اندائی خلق ر       | F21                              |                                |                             |                             |              |
| 8       |                  |           |      |               | - 88         |                              |                            | 5                                |                                |                             |                             |              |
| 9       |                  |           |      |               |              |                              | 1                          | ~                                |                                |                             |                             |              |
| 10      |                  |           |      |               |              | -LA                          | IDRL.                      |                                  |                                |                             |                             |              |
| 11      |                  |           |      |               |              |                              |                            |                                  |                                |                             |                             |              |
| 12      |                  |           |      |               |              |                              |                            |                                  |                                |                             |                             |              |
| 13      |                  |           |      |               |              |                              |                            |                                  |                                |                             |                             |              |
| 14      |                  |           |      |               |              |                              |                            |                                  |                                |                             |                             |              |
| 15      |                  |           |      |               |              |                              |                            |                                  |                                |                             |                             |              |
| 16      |                  |           |      |               |              |                              |                            |                                  |                                |                             |                             |              |
| Witness | ed by:           |           |      |               |              |                              |                            |                                  |                                |                             |                             |              |

#### Witnessed by:

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

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

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

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

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

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

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

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



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8216 Dr. M. Yousaf

#### To: HEAD CONSTRUCTION SITE ABL-UML P-199&200. Allied Bank

Project: Construction of ABL Upper Mall Lahore Plot No.199,200.

| Our Ref. No. CL/ | CED/ 6410           | Dated: | 11-11-24 | Test Specification |
|------------------|---------------------|--------|----------|--------------------|
| Your Ref. No.    | ABL-UML-AMC-QAQC-96 | Dated: | 11-11-24 | (ASTM C39)         |

### **COMPRESSION TEST REPORT**



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

| Specim  | ens received on:                | 1  | 1-11 | -24  | Tested on:    | 11-1              | 1-24               | in dry/wet condition |            | Ē     | je skerg |              |               |  |               |  |   |  |   |  |   |  |   |  |   |  |      |               |               |                      |  |                    |                             |         |
|---------|---------------------------------|----|------|------|---------------|-------------------|--------------------|----------------------|------------|-------|----------|--------------|---------------|--|---------------|--|---|--|---|--|---|--|---|--|---|--|------|---------------|---------------|----------------------|--|--------------------|-----------------------------|---------|
| Sr. No. | Mark*                           |    | -    |      | Casting Date* |                   | -                  |                      | -          |       | -        |              | Casting Date* |  | Casting Date* |  | - |  | _ |  | - |  | - |  | - |  | Size | Wet<br>Weight | Dry<br>Weight | Area of<br>X-Section |  | Ultimate<br>Stress | Water<br>Absorpti<br>on (%) | Remarks |
|         |                                 | DD | ММ   | YYYY | (in)          | (Kg/ gms)         | (Kg/ gms)          | (Sq. in)             | (Imp.Tons) | (psi) | 011 (70) |              |               |  |               |  |   |  |   |  |   |  |   |  |   |  |      |               |               |                      |  |                    |                             |         |
| 1       | 10th F. Slab &<br>Beam # 1      | 3  | 11   | 2024 | 6Diax12       |                   | 13.4               | 28.28                | 40         | 3168  |          | Non Engraved |               |  |               |  |   |  |   |  |   |  |   |  |   |  |      |               |               |                      |  |                    |                             |         |
| 2       | 10th F. Slab &<br>Beam # 2      | 3  | 11   | 2024 | 6Diax12       |                   | 13.2               | 28.28                | 62         | 4911  |          | Non Engraved |               |  |               |  |   |  |   |  |   |  |   |  |   |  |      |               |               |                      |  |                    |                             |         |
| 3       | 10th F. Slab &<br>Beam # 3      | 3  | 11   | 2024 | 6Diax12       |                   | 13                 | 28.28                | 64         | 5069  |          | Non Engraved |               |  |               |  |   |  |   |  |   |  |   |  |   |  |      |               |               |                      |  |                    |                             |         |
| 4       | 10th F. Slab<br>Columns Cap # 4 | 3  | 11   | 2024 | 6Diax12       |                   | 13                 | 28.28                | 68         | 5386  |          | Non Engraved |               |  |               |  |   |  |   |  |   |  |   |  |   |  |      |               |               |                      |  |                    |                             |         |
| 5       | 10th F. Slab<br>Columns Cap # 5 | 3  | 11   | 2024 | 6Diax12       | TUR               | 13.4               | 28.28                | 73         | 5782  |          | Non Engraved |               |  |               |  |   |  |   |  |   |  |   |  |   |  |      |               |               |                      |  |                    |                             |         |
| 6       | 10th F. Slab<br>Columns Cap # 6 | 3  | 11   | 2024 | 6Diax12       | KEAU IN           | 14                 | 28.28                | 65         | 5149  |          | Non Engraved |               |  |               |  |   |  |   |  |   |  |   |  |   |  |      |               |               |                      |  |                    |                             |         |
| 7       |                                 |    |      |      |               | OF THY<br>CREATES | رچې<br>اندنې خلق ر |                      |            |       |          |              |               |  |               |  |   |  |   |  |   |  |   |  |   |  |      |               |               |                      |  |                    |                             |         |
| 8       |                                 |    |      |      | S.8-1         |                   |                    | S,                   |            |       |          |              |               |  |               |  |   |  |   |  |   |  |   |  |   |  |      |               |               |                      |  |                    |                             |         |
| 9       |                                 |    |      |      |               | 25                |                    | ₹                    |            |       |          |              |               |  |               |  |   |  |   |  |   |  |   |  |   |  |      |               |               |                      |  |                    |                             |         |
| 10      |                                 |    |      |      | <             | / A               | IORE.              |                      |            |       |          |              |               |  |               |  |   |  |   |  |   |  |   |  |   |  |      |               |               |                      |  |                    |                             |         |
| 11      |                                 |    |      |      |               |                   |                    |                      |            |       |          |              |               |  |               |  |   |  |   |  |   |  |   |  |   |  |      |               |               |                      |  |                    |                             |         |
| 12      |                                 |    |      |      |               |                   |                    |                      |            |       |          |              |               |  |               |  |   |  |   |  |   |  |   |  |   |  |      |               |               |                      |  |                    |                             |         |
| 13      |                                 |    |      |      |               |                   |                    |                      |            |       |          |              |               |  |               |  |   |  |   |  |   |  |   |  |   |  |      |               |               |                      |  |                    |                             |         |
| 14      |                                 |    |      |      |               |                   |                    |                      |            |       |          |              |               |  |               |  |   |  |   |  |   |  |   |  |   |  |      |               |               |                      |  |                    |                             |         |
| 15      |                                 |    |      |      |               |                   |                    |                      |            |       |          |              |               |  |               |  |   |  |   |  |   |  |   |  |   |  |      |               |               |                      |  |                    |                             |         |
| 16      |                                 |    |      |      |               |                   |                    |                      |            |       |          |              |               |  |               |  |   |  |   |  |   |  |   |  |   |  |      |               |               |                      |  |                    |                             |         |
| Witness | sed by:                         |    |      |      |               |                   |                    |                      |            |       |          |              |               |  |               |  |   |  |   |  |   |  |   |  |   |  |      |               |               |                      |  |                    |                             |         |

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Supervisor (Lab)



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8210 Dr. Ubaid Ahmad

### To: Mr. Abdul Ghufran

QA/QC Engineer, AI-Ishtiaq Constructins

Project: SPL Retail Outlet Ch. Mohd Sharif Filling Station, Lahore.

| Our Ref. No. CL/ | CED/ 6411           | Dated: | 11-11-24 | Test Specification |
|------------------|---------------------|--------|----------|--------------------|
| Your Ref. No.    | ABL-UML-AMC-QAQC-96 | Dated: | 11-11-24 | (ASTM C39)         |

### **COMPRESSION TEST REPORT**



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

| ens received on: | 1                                      | 1-11   | -24   | Tested on:  | 11-1   | 1-24  | in dry/wet condition   |  | Ö  | jčester  |   |
|------------------|--|--|---|---|--|---|--|--|--|--|---|
| Mark*            |  | -  |   | Size<br>(in)  | Wet<br>Weight<br>(Kg/ gms)   |   |  |  | Stress   | Water<br>Absorpti<br>on (%)  | Remarks   |
| (3000 Psi)       | 31                                     | 10   | 2024  | 6Diax12   |  | 13  | 28.28  | 47   | 3723   |  | Non Engraved  |
| (3000 Psi)       | 31                                     | 10   | 2024  | 6Diax12   |  | 12.6  | 28.28  | 45   | 3564   |  | Non Engraved  |
| (3000 Psi)       | 31                                     | 10   | 2024  | 6Diax12   |  | 12.2  | 28.28  | 46   | 3644   |  | Non Engraved  |
|                  |  |  |   |   | /  |   |  |  |  |  |   |
|                  |  |  |   |   | NHNE   | RING  |  |  |  |  |   |
|                  |  |  |   | -   | READIN   |   |  |  |  |  |   |
|                  |  |  |   |   | OF THY<br>HORD WHO<br>OREATES  | زیک<br>اندنی خلق ر  | 121  |  |  |  |   |
|                  |  |  |   | 188   |  |   |  |  |  |  |   |
|                  |  |  |   |   | 25   |   | ₹  |  |  |  |   |
|                  |  |  |   | <   | / A  | IORL.   |  |  |  |  |   |
|                  |  |  |   |   |  |   |  |  |  |  |   |
|                  |  |  |   |   |  |   |  |  |  |  |   |
|                  |  |  |   |   |  |   |  |  |  |  |   |
|                  |  |  |   |   |  |   |  |  |  |  |   |
|                  |  |  |   |   |  |   |  |  |  |  |   |
|                  |  |  |   |   |  |   |  |  |  |  |   |
|                  | Mark* (3000 Psi) (3000 Psi) (3000 Psi) | Mark*         Cas           DD         (3000 Psi)         31           (3000 Psi)         31 | Mark*         Casting           DD MM           (3000 Psi)         31         10           (3000 Psi)         31         10 <td>Mark*         Casting Date*           DD         MM YYYY           (3000 Psi)         31         10         2024           (300 Psi)         10         10         10           (300 Psi)         10</td> <td>Mark*         Casting Date*         Size           DD         MM         YYY         (in)           (3000 Psi)         31         10         2024         6Diax12  <!--</td--><td>Mark*         Casting Date*         Size         Wet Weight           DD         MM YYYY         (in)         (Kg/gms)           (3000 Psi)         31         10         2024         6Diax12   </td><td>Mark*         Casting Date*         Size         Wet<br/>Weight         Dry<br/>Weight           (3000 Psi)         31         10         2024         6Diax12          13           (3000 Psi)         31         10         2024         6Diax12          12.6                12.2                                   <t< td=""><td>Mark*         <math>Casting Date*</math>         Size         Wet Weight Weight (Kg/gms)         Area of X-Section (Sq. in)           (3000 Psi)         31         10         2024         6Diax12          13         28.28           (3000 Psi)         31         10         2024         6Diax12          12.6         28.28           (3000 Psi)         31         10         2024         6Diax12          12.7         28.28  </td><td>Mark*         Casting Date*         Size         Wet Weight (Kg/ gms)         Dry Weight (Sq. in)         Area of Load (Imp.Tons)           (3000 Psi)         31         10         2024         6Diax12          13         28.28         47           (3000 Psi)         31         10         2024         6Diax12          12.6         28.28         45           (3000 Psi)         31         10         2024         6Diax12          12.2         28.28         46             12.2         28.28         46   <td>Mark*         Casting Date*         Size         Wet Weight (Kg/gms)         Dry Weight (Kg/gms)         Area of X-Section (Imp. Tons)         Ultimate Stress (psi)           (3000 Psi)         31         10         2024         6Diax12          13         28.28         47         3723           (3000 Psi)         31         10         2024         6Diax12          12.6         28.28         45         3564           (3000 Psi)         31         10         2024         6Diax12          12.6         28.28         46         3644             12.2         28.28         46         3644             12.2         28.28         46         3644              12.2         28.28         46         3644                                     </td><td>Mark*         Casting Date*         Size         Weight<br/>(in)         Met<br/>(kg/gms)<br/>(kg/gms)         Dry<br/>keight<br/>(kg/gms)         Area of<br/>x-Section<br/>(kg/gms)         Ultimate<br/>load<br/>(kg/gms)         Wate<br/>tress<br/>(kg/gms)           (3000 Psi)         31         10         2024         6Diax12          13         28.28         47         3723            (3000 Psi)         31         10         2024         6Diax12          12.6         28.28         45         3564            (3000 Psi)         31         10         2024         6Diax12          12.2         28.28         46         3644            (3000 Psi)         31         10         2024         6Diax12          12.2         28.28         46         3644            (3000 Psi)         31         10         2024         6Diax12          12.2         28.28         46         3644                           </td></td></t<></td></td> | Mark*         Casting Date*           DD         MM YYYY           (3000 Psi)         31         10         2024           (300 Psi)         10         10         10           (300 Psi)         10 | Mark*         Casting Date*         Size           DD         MM         YYY         (in)           (3000 Psi)         31         10         2024         6Diax12           (3000 Psi)         31         10         2024         6Diax12 </td <td>Mark*         Casting Date*         Size         Wet Weight           DD         MM YYYY         (in)         (Kg/gms)           (3000 Psi)         31         10         2024         6Diax12   </td> <td>Mark*         Casting Date*         Size         Wet<br/>Weight         Dry<br/>Weight           (3000 Psi)         31         10         2024         6Diax12          13           (3000 Psi)         31         10         2024         6Diax12          12.6                12.2                                   <t< td=""><td>Mark*         <math>Casting Date*</math>         Size         Wet Weight Weight (Kg/gms)         Area of X-Section (Sq. in)           (3000 Psi)         31         10         2024         6Diax12          13         28.28           (3000 Psi)         31         10         2024         6Diax12          12.6         28.28           (3000 Psi)         31         10         2024         6Diax12          12.7         28.28  </td><td>Mark*         Casting Date*         Size         Wet Weight (Kg/ gms)         Dry Weight (Sq. in)         Area of Load (Imp.Tons)           (3000 Psi)         31         10         2024         6Diax12          13         28.28         47           (3000 Psi)         31         10         2024         6Diax12          12.6         28.28         45           (3000 Psi)         31         10         2024         6Diax12          12.2         28.28         46             12.2         28.28         46   <td>Mark*         Casting Date*         Size         Wet Weight (Kg/gms)         Dry Weight (Kg/gms)         Area of X-Section (Imp. Tons)         Ultimate Stress (psi)           (3000 Psi)         31         10         2024         6Diax12          13         28.28         47         3723           (3000 Psi)         31         10         2024         6Diax12          12.6         28.28         45         3564           (3000 Psi)         31         10         2024         6Diax12          12.6         28.28         46         3644             12.2         28.28         46         3644             12.2         28.28         46         3644              12.2         28.28         46         3644                                     </td><td>Mark*         Casting Date*         Size         Weight<br/>(in)         Met<br/>(kg/gms)<br/>(kg/gms)         Dry<br/>keight<br/>(kg/gms)         Area of<br/>x-Section<br/>(kg/gms)         Ultimate<br/>load<br/>(kg/gms)         Wate<br/>tress<br/>(kg/gms)           (3000 Psi)         31         10         2024         6Diax12          13         28.28         47         3723            (3000 Psi)         31         10         2024         6Diax12          12.6         28.28         45         3564            (3000 Psi)         31         10         2024         6Diax12          12.2         28.28         46         3644            (3000 Psi)         31         10         2024         6Diax12          12.2         28.28         46         3644            (3000 Psi)         31         10         2024         6Diax12          12.2         28.28         46         3644                           </td></td></t<></td> | Mark*         Casting Date*         Size         Wet Weight           DD         MM YYYY         (in)         (Kg/gms)           (3000 Psi)         31         10         2024         6Diax12            (3000 Psi)         31         10         2024         6Diax12 | Mark*         Casting Date*         Size         Wet<br>Weight         Dry<br>Weight           (3000 Psi)         31         10         2024         6Diax12          13           (3000 Psi)         31         10         2024         6Diax12          12.6                12.2 <t< td=""><td>Mark*         <math>Casting Date*</math>         Size         Wet Weight Weight (Kg/gms)         Area of X-Section (Sq. in)           (3000 Psi)         31         10         2024         6Diax12          13         28.28           (3000 Psi)         31         10         2024         6Diax12          12.6         28.28           (3000 Psi)         31         10         2024         6Diax12          12.7         28.28  </td><td>Mark*         Casting Date*         Size         Wet Weight (Kg/ gms)         Dry Weight (Sq. in)         Area of Load (Imp.Tons)           (3000 Psi)         31         10         2024         6Diax12          13         28.28         47           (3000 Psi)         31         10         2024         6Diax12          12.6         28.28         45           (3000 Psi)         31         10         2024         6Diax12          12.2         28.28         46             12.2         28.28         46   <td>Mark*         Casting Date*         Size         Wet Weight (Kg/gms)         Dry Weight (Kg/gms)         Area of X-Section (Imp. Tons)         Ultimate Stress (psi)           (3000 Psi)         31         10         2024         6Diax12          13         28.28         47         3723           (3000 Psi)         31         10         2024         6Diax12          12.6         28.28         45         3564           (3000 Psi)         31         10         2024         6Diax12          12.6         28.28         46         3644             12.2         28.28         46         3644             12.2         28.28         46         3644              12.2         28.28         46         3644                                     </td><td>Mark*         Casting Date*         Size         Weight<br/>(in)         Met<br/>(kg/gms)<br/>(kg/gms)         Dry<br/>keight<br/>(kg/gms)         Area of<br/>x-Section<br/>(kg/gms)         Ultimate<br/>load<br/>(kg/gms)         Wate<br/>tress<br/>(kg/gms)           (3000 Psi)         31         10         2024         6Diax12          13         28.28         47         3723            (3000 Psi)         31         10         2024         6Diax12          12.6         28.28         45         3564            (3000 Psi)         31         10         2024         6Diax12          12.2         28.28         46         3644            (3000 Psi)         31         10         2024         6Diax12          12.2         28.28         46         3644            (3000 Psi)         31         10         2024         6Diax12          12.2         28.28         46         3644                           </td></td></t<> | Mark* $Casting Date*$ Size         Wet Weight Weight (Kg/gms)         Area of X-Section (Sq. in)           (3000 Psi)         31         10         2024         6Diax12          13         28.28           (3000 Psi)         31         10         2024         6Diax12          12.6         28.28           (3000 Psi)         31         10         2024         6Diax12          12.7         28.28 | Mark*         Casting Date*         Size         Wet Weight (Kg/ gms)         Dry Weight (Sq. in)         Area of Load (Imp.Tons)           (3000 Psi)         31         10         2024         6Diax12          13         28.28         47           (3000 Psi)         31         10         2024         6Diax12          12.6         28.28         45           (3000 Psi)         31         10         2024         6Diax12          12.2         28.28         46             12.2         28.28         46 <td>Mark*         Casting Date*         Size         Wet Weight (Kg/gms)         Dry Weight (Kg/gms)         Area of X-Section (Imp. Tons)         Ultimate Stress (psi)           (3000 Psi)         31         10         2024         6Diax12          13         28.28         47         3723           (3000 Psi)         31         10         2024         6Diax12          12.6         28.28         45         3564           (3000 Psi)         31         10         2024         6Diax12          12.6         28.28         46         3644             12.2         28.28         46         3644             12.2         28.28         46         3644              12.2         28.28         46         3644                                     </td> <td>Mark*         Casting Date*         Size         Weight<br/>(in)         Met<br/>(kg/gms)<br/>(kg/gms)         Dry<br/>keight<br/>(kg/gms)         Area of<br/>x-Section<br/>(kg/gms)         Ultimate<br/>load<br/>(kg/gms)         Wate<br/>tress<br/>(kg/gms)           (3000 Psi)         31         10         2024         6Diax12          13         28.28         47         3723            (3000 Psi)         31         10         2024         6Diax12          12.6         28.28         45         3564            (3000 Psi)         31         10         2024         6Diax12          12.2         28.28         46         3644            (3000 Psi)         31         10         2024         6Diax12          12.2         28.28         46         3644            (3000 Psi)         31         10         2024         6Diax12          12.2         28.28         46         3644                           </td> | Mark*         Casting Date*         Size         Wet Weight (Kg/gms)         Dry Weight (Kg/gms)         Area of X-Section (Imp. Tons)         Ultimate Stress (psi)           (3000 Psi)         31         10         2024         6Diax12          13         28.28         47         3723           (3000 Psi)         31         10         2024         6Diax12          12.6         28.28         45         3564           (3000 Psi)         31         10         2024         6Diax12          12.6         28.28         46         3644             12.2         28.28         46         3644             12.2         28.28         46         3644              12.2         28.28         46         3644 | Mark*         Casting Date*         Size         Weight<br>(in)         Met<br>(kg/gms)<br>(kg/gms)         Dry<br>keight<br>(kg/gms)         Area of<br>x-Section<br>(kg/gms)         Ultimate<br>load<br>(kg/gms)         Wate<br>tress<br>(kg/gms)           (3000 Psi)         31         10         2024         6Diax12          13         28.28         47         3723            (3000 Psi)         31         10         2024         6Diax12          12.6         28.28         45         3564            (3000 Psi)         31         10         2024         6Diax12          12.2         28.28         46         3644            (3000 Psi)         31         10         2024         6Diax12          12.2         28.28         46         3644            (3000 Psi)         31         10         2024         6Diax12          12.2         28.28         46         3644 |

#### Witnessed by: Mr. Abdul Ghufran, CNIC # 34603-2960821-5

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

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

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

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

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

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

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

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



**Civil Engineering Department** 

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

8211 Dr. M. Burhan

To: TAWASUL DEVELOPERS PRIVATE LIMITED 6-D Upper Mall Lahore.

Project: CREEK TOWER, 6-D Upper Mall Lahore.

| Our Ref. No. CL/CED/ 6412 | Dated: | 11-11-24 | Test Specification |
|---------------------------|--------|----------|--------------------|
| Your Ref. No. Nil         | Dated: | 11-11-24 | (ASTM C39)         |

### **COMPRESSION TEST REPORT**

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

| Specim  | ens received on:               | 1    | 1-11 | -24   | Tested on: | 11-1                           | 1-24               | in dry/wet condition |            | Ü                  | jester                      |              |  |  |
|---------|--------------------------------|------|------|---|------------|--------------------------------|--------------------|----------------------|------------|--------------------|-----------------------------|--------------|--|--|
| Sr. No. | Mark*                          |      | •    | Date*   | Size       | Wet<br>Weight                  | Dry<br>Weight      | Area of<br>X-Section |            | Ultimate<br>Stress | Water<br>Absorpti<br>on (%) | Remarks      |  |  |
|         |                                | DD   | MM   | YYYY  | (in)       | (Kg/ gms)                      | (Kg/ gms)          | (Sq. in)             | (Imp.Tons) | (psi)              | 011 (70)                    |              |  |  |
| 1       | (4000 Psi)                     | 1    | 10   | 2024  | 6Diax12    |                                | 14.6               | 28.28                | 38         | 3010               |                             | Non Engraved |  |  |
| 2       | (4000 Psi)                     | 1    | 10   | 2024  | 6Diax12    |                                | 14.6               | 28.28                | 46         | 3644               |                             | Non Engraved |  |  |
| 3       | (4000 Psi)                     | 1    | 10   | 2024  | 6Diax12    |                                | 14.4               | 28.28                | 44         | 3485               |                             | Non Engraved |  |  |
| 4       | CFRP Single Wrap<br>(4000 Psi) | 1    | 10   | 2024  | 6Diax12    |                                | 15                 | 28.28                | 52         | 4119               |                             | Non Engraved |  |  |
| 5       | CFRP Single Wrap<br>(4000 Psi) | 1    | 10   | 2024  | 6Diax12    | WHINE                          | RI/15              | 28.28                | 85         | 6733               |                             | Non Engraved |  |  |
| 6       | CFRP Double Wrap<br>(4000 Psi) | 1    | 10   | 2024  | 6Diax12    | READ N                         | 15                 | 28.28                | 135        | 10693              |                             | Non Engraved |  |  |
| 7       |                                |      |      |   |            | OF THY<br>-CORD WHO<br>OREATES | زیک<br>ان کی خلق ر |                      |            |                    |                             |              |  |  |
| 8       |                                |      |      |   | S.R. 1     |                                |                    | 5                    |            |                    |                             |              |  |  |
| 9       |                                |      |      |   |            |                                |                    | ~                    |            |                    |                             |              |  |  |
| 10      |                                |      |      |   |            |                                | IORE.              |                      |            |                    |                             |              |  |  |
| 11      |                                |      |      |   |            |                                |                    |                      |            |                    |                             |              |  |  |
| 12      |                                |      |      |   |            |                                |                    |                      |            |                    |                             |              |  |  |
| 13      |                                |      |      |   |            |                                |                    |                      |            |                    |                             |              |  |  |
| 14      |                                |      |      |   |            |                                |                    |                      |            |                    |                             |              |  |  |
| 15      |                                |      |      |   |            |                                |                    |                      |            |                    |                             |              |  |  |
| 16      |                                |      |      |   |            |                                |                    |                      |            |                    |                             |              |  |  |
| Witness | ed by: Mr. Junaid              | Asla | m CN | Witnessed by: Mr. Junaid Aslam CNIC # 35202-6038398-7 |            |                                |                    |                      |            |                    |                             |              |  |  |

### Witnessed by: Mr. Junaid Aslam CNIC # 35202-6038398-7

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

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

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

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

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

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

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



To: Captain (R) Ali Abbas Hashmi Project Manager, 7 Canal Developers

**Project: 7 Canal Residential Apartment Buildings** 

| Our Ref. No. CL/CED/ 6413 | Dated: | 11-11-24 | Test Specification |
|---------------------------|--------|----------|--------------------|
| Your Ref. No. Nil         | Dated: | 08-11-24 | (ASTM C39)         |

8209

### **COMPRESSION TEST REPORT**

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

| Specim  | Decimens received on: 08-11-24 Tested on: 11-11-24 in dry/wet condition |    |    | ONLINE REPORT |              |                               |                                 |                                  |                                |                             |                             |              |
|---------|---|----|----|---------------|--------------|-------------------------------|---------------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|--------------|
| Sr. No. | Mark*   |    | -  | Date*<br>YYYY | Size<br>(in) | Wet<br>Weight<br>(Kg/ gms)    | Dry<br>Weight<br>(Kg/ gms)      | Area of<br>X-Section<br>(Sq. in) | Ultimate<br>load<br>(Imp.Tons) | Ultimate<br>Stress<br>(psi) | Water<br>Absorpti<br>on (%) | Remarks      |
| 1       |   | 31 | 10 | 2024          | 6Diax12      |                               | 15                              | 28.28                            | 46                             | 3644                        |                             | Non Engraved |
| 2       |   | 31 | 10 | 2024          | 6Diax12      |                               | 14.4                            | 28.28                            | 58                             | 4594                        |                             | Non Engraved |
| 3       |   | 31 | 10 | 2024          | 6Diax12      |                               | 14.6                            | 28.28                            | 56                             | 4436                        |                             | Non Engraved |
| 4       |   |    |    |               |              |                               |                                 |                                  |                                | -                           |                             |              |
| 5       |   |    |    |               |              | THINE                         | RING                            |                                  |                                |                             |                             |              |
| 6       |   |    |    |               | 💊            | READIN                        |                                 | <b>_</b>                         |                                |                             |                             |              |
| 7       |   |    |    |               |              | OF THY<br>UCRD WHO<br>CREATES | ز <del>یک</del><br>اند کی خلق ر | I<br>FCH                         |                                |                             |                             |              |
| 8       |   |    |    |               |              |                               |                                 |                                  |                                |                             |                             |              |
| 9       |   |    |    |               | 7            |                               |                                 | <b>N</b>                         |                                |                             |                             |              |
| 10      |   |    |    |               | <            | /A                            | IOR <u>E</u>                    |                                  |                                |                             |                             |              |
| 11      |   |    |    |               |              |                               |                                 |                                  |                                |                             |                             |              |
| 12      |   |    |    |               |              |                               |                                 |                                  |                                |                             |                             |              |
| 13      |   |    |    |               |              |                               |                                 |                                  |                                |                             |                             |              |
| 14      |   |    |    |               |              |                               |                                 |                                  |                                |                             |                             |              |
| 15      |   |    |    |               |              |                               |                                 |                                  |                                |                             |                             |              |
| 16      |   |    |    |               |              |                               |                                 |                                  |                                |                             |                             |              |
| Witness | Witnessed by: CNIC # 35202-3135814-3                                    |    |    |               |              |                               |                                 |                                  |                                |                             |                             |              |

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

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

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

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

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

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

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

Supervisor (Lab)



Senior Estate Engineer, Sundar Industrial Estate

Project: Road Repair Work at Sundar Industrial Estate

| Our Ref. No. CL/ | CED/ 6414             | Dated: | 11-11-24 | Test Specification |
|------------------|-----------------------|--------|----------|--------------------|
| Your Ref. No.    | BOM/SIE/BCD/10-24/677 | Dated: | 30-10-24 | (ASTM C39)         |

### **COMPRESSION TEST REPORT**

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

| Specim  | ens received on: | 0         | 1-11 | -24           | Tested on:   | 11-1                          | 11-24                      | in dry/wet                       | t condition                    |                             |                             | ONLINE REPORT |
|---------|------------------|-----------|------|---------------|--------------|-------------------------------|----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|---------------|
| Sr. No. | Mark*            | Cas<br>DD | -    | Date*<br>YYYY | Size<br>(in) | Wet<br>Weight<br>(Kg/ gms)    | Dry<br>Weight<br>(Kg/ gms) | Area of<br>X-Section<br>(Sq. in) | Ultimate<br>Ioad<br>(Imp.Tons) | Ultimate<br>Stress<br>(psi) | Water<br>Absorpti<br>on (%) | Remarks       |
| 1       |                  | 1         | 10   | 2024          | 6Diax12      |                               | 14                         | 28.28                            | 43                             | 3406                        |                             | Engraved      |
| 2       |                  | 1         | 10   | 2024          | 6Diax12      |                               | 12.4                       | 28.28                            | 42                             | 3327                        |                             | Engraved      |
| 3       |                  | 1         | 10   | 2024          | 6Diax12      |                               | 13.6                       | 28.28                            | 40                             | 3168                        |                             | Engraved      |
| 4       |                  |           |      |               |              |                               |                            |                                  |                                |                             |                             |               |
| 5       |                  |           |      |               | <            | STATI                         | RING                       |                                  |                                |                             |                             |               |
| 6       |                  |           |      |               | )a           | READ IN                       | 2071                       | <u> </u>                         |                                |                             |                             |               |
| 7       |                  |           |      |               |              | OF THY<br>GRAD WHC<br>CREATES | رتبک<br>الد کی خلق ر       | 13                               |                                |                             |                             |               |
| 8       |                  |           |      |               |              |                               |                            | 5                                |                                |                             |                             |               |
| 9       |                  |           |      |               | >            | 20-                           |                            | 2                                |                                |                             |                             |               |
| 10      |                  |           |      |               | <            |                               | IORE.                      |                                  |                                |                             |                             |               |
| 11      |                  |           |      |               |              |                               |                            |                                  |                                |                             |                             |               |
| 12      |                  |           |      |               |              |                               |                            |                                  |                                |                             |                             |               |
| 13      |                  |           |      |               |              |                               |                            |                                  |                                |                             |                             |               |
| 14      |                  |           |      |               |              |                               |                            |                                  |                                |                             |                             |               |
| 15      |                  |           |      |               |              |                               |                            |                                  |                                |                             |                             |               |
| 16      |                  |           |      |               |              |                               |                            |                                  |                                |                             |                             |               |
| Witness | ed by: Nil       |           |      |               |              |                               |                            |                                  |                                |                             |                             |               |

Witnessed by: Nil

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

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

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

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

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

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

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

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



**Civil Engineering Department** 

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

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

> 8201 Dr. M.Yousaf

To: **AI-Hamad Engineering Services** 

55-A, Mohafiz Town, Canal Road, Lahore.

Project: Construction Work of Line-3 and Line-4 at Cola Next Phool Nagar, Lahore.

| Our Ref. No. CL/CED/ 6415 | Dated: | 11-11-24 | Test Specification |
|---------------------------|--------|----------|--------------------|
| Your Ref. No. Nil         | Dated: | 07-11-24 | ( BS 1881-116 )    |

### **COMPRESSION TEST REPORT**

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

| Specim  | ens received on:                    | 0 | 7-11 | -24           | Tested on:    | 11-1                           | 11-24            | in dry/wet                       | t condition      |                    |                             | ONLINE REPORT |
|---------|-------------------------------------|---|------|---------------|---------------|--------------------------------|------------------|----------------------------------|------------------|--------------------|-----------------------------|---------------|
| Sr. No. | Mark*                               |   | -    | Date*<br>YYYY | Size          | Wet<br>Weight                  | Dry<br>Weight    | Area of<br>X-Section<br>(Sq. in) |                  | Ultimate<br>Stress | Water<br>Absorpti<br>on (%) | Remarks       |
| 1       | Line-3 Footing, RF-<br>1 (3000 Psi) |   | 10   | 2024          | (in)<br>6x6x6 | (Kg/ gms)<br>                  | (Kg/ gms)<br>8.2 | 36                               | (Imp.Tons)<br>63 | (psi)<br>3920      |                             | Non Engraved  |
| 2       | Line-3 Footing, RF-<br>1 (3000 Psi) | 5 | 10   | 2024          | 6x6x6         |                                | 8.4              | 36                               | 64               | 3982               |                             | Non Engraved  |
| 3       | Line-3 Footing, RF-<br>1 (3000 Psi) | 5 | 10   | 2024          | 6x6x6         |                                | 8.4              | 36                               | 60               | 3733               |                             | Non Engraved  |
| 4       | Line-3 Footing, RF-<br>1 (4000 Psi) | 6 | 10   | 2024          | 6x6x6         |                                | 8.4              | 36                               | 107              | 6658               |                             | Non Engraved  |
| 5       | Line-3 Footing, RF-<br>1 (4000 Psi) | 6 | 10   | 2024          | 6x6x6         | STATI                          | 8.6              | 36                               | 116              | 7218               |                             | Non Engraved  |
| 6       | Line-3 Footing, RF-<br>1 (4000 Psi) | 6 | 10   | 2024          | 6x6x6 🔪       | READ IN                        | 8.7              | 36                               | 107              | 6658               |                             | Non Engraved  |
| 7       | Line-4 Footing, RF-<br>2 (3000 Psi) | 7 | 10   | 2024          | 6x6x6         | OF THY<br>-UORD WHC<br>OREATES | 8.4              | 36                               | 55               | 3422               |                             | Non Engraved  |
| 8       | Line-4 Footing, RF-<br>2 (3000 Psi) | 7 | 10   | 2024          | 6x6x6         |                                | 8                | 36                               | 41               | 2551               |                             | Non Engraved  |
| 9       | Line-4 Footing, RF-<br>2 (3000 Psi) | 7 | 10   | 2024          | 6x6x6         | 20-                            | 8                | 36                               | 63               | 3920               |                             | Non Engraved  |
| 10      |                                     |   |      |               | <             |                                | IORE.            |                                  |                  |                    |                             |               |
| 11      |                                     |   |      |               |               |                                |                  |                                  |                  |                    |                             |               |
| 12      |                                     |   |      |               |               |                                |                  |                                  |                  |                    |                             |               |
| 13      |                                     |   |      |               |               |                                |                  |                                  |                  |                    |                             |               |
| 14      |                                     |   |      |               |               |                                |                  |                                  |                  |                    |                             |               |
| 15      |                                     |   |      |               |               |                                |                  |                                  |                  |                    |                             |               |
| 16      |                                     |   |      |               |               |                                |                  |                                  |                  |                    |                             |               |
| Witness | ed by: Nil                          | • |      |               |               | ·                              |                  |                                  | •                |                    |                             |               |

#### litnessea by: Ni

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

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

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

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

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

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

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



**Civil Engineering Department** 

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

8203 Dr. M.Yousaf

To: Sub Divisional Officer Buildings Sub Division No.11, Lahore.

Project: Establishment of Safe City Girls Hostel at Lahore.

| Our Ref. No. CL/CED/ 6416  | Dated: | 11-11-24 | Test Specification |
|----------------------------|--------|----------|--------------------|
| Your Ref. No. No. 421/11th | Dated: | 28-10-24 | ( BS 1881-116 )    |

### COMPRESSION TEST REPORT

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

| Specim  | ens received on:         | 0         | 8-11 | -24           | Tested on:   | 11-1                          | 1-24                               | in dry/wet                       | t condition                    |                             |                             | ONLINE REPORT |
|---------|--------------------------|-----------|------|---------------|--------------|-------------------------------|------------------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|---------------|
| Sr. No. | Mark*                    | Cas<br>DD | -    | Date*<br>YYYY | Size<br>(in) | Wet<br>Weight<br>(Kg/ gms)    | Dry<br>Weight<br>(Kg/ gms)         | Area of<br>X-Section<br>(Sq. in) | Ultimate<br>Ioad<br>(Imp.Tons) | Ultimate<br>Stress<br>(psi) | Water<br>Absorpti<br>on (%) | Remarks       |
| 1       | F.F Column<br>(4000 Psi) | 30        | 9    | 2024          | 6x6x6        |                               | 8.2                                | 36                               | 79                             | 4916                        |                             | Non Engraved  |
| 2       | F.F Column<br>(4000 Psi) | 30        | 9    | 2024          | 6x6x6        |                               | 8.4                                | 36                               | 52                             | 3236                        |                             | Non Engraved  |
| 3       |                          |           |      |               |              |                               |                                    |                                  |                                |                             |                             |               |
| 4       |                          |           |      |               |              |                               |                                    |                                  |                                |                             |                             |               |
| 5       |                          |           |      |               |              | NHINE                         | RING                               |                                  |                                |                             |                             |               |
| 6       |                          |           |      |               | - 2          | READ IN                       | 2071                               |                                  |                                |                             |                             |               |
| 7       |                          |           |      |               |              | OF THY<br>CORD WHO<br>CREATES | ز <del>ی</del> ک ا<br>اند کی خلق ر | 103                              |                                |                             |                             |               |
| 8       |                          |           |      |               | 188          |                               |                                    |                                  |                                |                             |                             |               |
| 9       |                          |           |      |               |              |                               |                                    | <b>N</b>                         |                                |                             |                             |               |
| 10      |                          |           |      |               |              | / A                           | IORE                               |                                  |                                |                             |                             |               |
| 11      |                          |           |      |               |              |                               |                                    |                                  |                                |                             |                             |               |
| 12      |                          |           |      |               |              |                               |                                    |                                  |                                |                             |                             |               |
| 13      |                          |           |      |               |              |                               |                                    |                                  |                                |                             |                             |               |
| 14      |                          |           |      |               |              |                               |                                    |                                  |                                |                             |                             |               |
| 15      |                          |           |      |               |              |                               |                                    |                                  |                                |                             |                             |               |
| 16      |                          |           |      |               |              |                               |                                    |                                  |                                |                             |                             |               |
| Witness | ed by: Nil               |           |      |               |              |                               |                                    |                                  |                                |                             |                             |               |

#### Witnessed by: Nil

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

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

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

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

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

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

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



**Civil Engineering Department** 

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

8203 Dr. M.Yousaf

To: Sub Divisional Officer Buildings Sub Division No.11, Lahore.

Project: Establishment of Safe City Girls Hostel at Lahore.

| Our Ref. No. CL/CED/ 6417  | Dated: | 11-11-24 | Test Specification |
|----------------------------|--------|----------|--------------------|
| Your Ref. No. No. 424/11th | Dated: | 29-10-24 | ( BS 1881-116 )    |

### **COMPRESSION TEST REPORT**

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

| Specime | ens received on:                 | 0   | 8-11 | -24           | Tested on:   | 11-1                          | 11-24                      | in dry/wet                       | t condition |                             |                             | ONLINE REPORT |
|---------|----------------------------------|-----|------|---------------|--------------|-------------------------------|----------------------------|----------------------------------|-------------|-----------------------------|-----------------------------|---------------|
| Sr. No. | Mark*                            | Cas | _    | Date*<br>YYYY | Size<br>(in) | Wet<br>Weight<br>(Kg/ gms)    | Dry<br>Weight<br>(Kg/ gms) | Area of<br>X-Section<br>(Sq. in) |             | Ultimate<br>Stress<br>(psi) | Water<br>Absorpti<br>on (%) | Remarks       |
| 1       | 2nd F. Beam &<br>Slab (3000 Psi) | 1   | 10   | 2024          | 6x6x6        |                               | 8.6                        | 36                               | 68          | 4231                        |                             | Non Engraved  |
| 2       | 2nd F. Beam &<br>Slab (3000 Psi) | 1   | 10   | 2024          | 6x6x6        |                               | 8.4                        | 36                               | 60          | 3733                        |                             | Non Engraved  |
| 3       |                                  |     |      |               |              |                               |                            |                                  |             |                             |                             |               |
| 4       |                                  |     |      |               |              |                               |                            |                                  |             |                             |                             |               |
| 5       |                                  |     |      |               |              | <b>N BINE</b>                 | RIN'S                      |                                  |             |                             |                             |               |
| 6       |                                  |     |      |               | >            | READ IN                       | 2071                       |                                  |             |                             |                             |               |
| 7       |                                  |     |      |               |              | OF THY<br>CORD WHO<br>CREATES | رچې ا<br>اند کې خلق ر      | 103                              |             |                             |                             |               |
| 8       |                                  |     |      |               | 188          |                               |                            | NN.                              |             |                             |                             |               |
| 9       |                                  |     |      |               |              | 20-                           |                            | <b>N</b>                         |             |                             |                             |               |
| 10      |                                  |     |      |               | <            |                               | IORE.                      |                                  |             |                             |                             |               |
| 11      |                                  |     |      |               |              |                               |                            |                                  |             |                             |                             |               |
| 12      |                                  |     |      |               |              |                               |                            |                                  |             |                             |                             |               |
| 13      |                                  |     |      |               |              |                               |                            |                                  |             |                             |                             |               |
| 14      |                                  |     |      |               |              |                               |                            |                                  |             |                             |                             |               |
| 15      |                                  |     |      |               |              |                               |                            |                                  |             |                             |                             |               |
| 16      |                                  |     |      |               |              |                               |                            |                                  |             |                             |                             |               |
| Witness | ed by: Nil                       |     |      |               |              |                               | •                          | •                                | •           | •                           | •                           |               |

#### Witnessed by: Nil

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

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

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

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

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

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

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

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



**Civil Engineering Department** 

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

8203 Dr. M.Yousaf

To: Sub Divisional Officer Buildings Sub Division No.11, Lahore.

Ballangs Sub Division No. 11, Lanore.

Project: Establishment of Safe City Girls Hostel at Lahore.

| Our Ref. No. CL/CED/ 6418  | Dated: | 11-11-24 | Test Specification |
|----------------------------|--------|----------|--------------------|
| Your Ref. No. No. 396/11th | Dated: | 19-10-24 | (BS 1881-116)      |

### **COMPRESSION TEST REPORT**

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

| Specim  | ens received on:               | 0  | 8-11 | -24           | Tested on:   | 11-1                       | 1-24                             | in dry/wet                       | condition                      |                             |                             | ONLINE REPORT |
|---------|--------------------------------|----|------|---------------|--------------|----------------------------|----------------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|---------------|
| Sr. No. | Mark*                          |    |      | Date*<br>YYYY | Size<br>(in) | Wet<br>Weight<br>(Kg/ gms) | Dry<br>Weight<br>(Kg/ gms)       | Area of<br>X-Section<br>(Sq. in) | Ultimate<br>load<br>(Imp.Tons) | Ultimate<br>Stress<br>(psi) | Water<br>Absorpti<br>on (%) | Remarks       |
| 1       | G.F Beams & Slab<br>(3000 Psi) | 18 | 9    | 2024          | 6x6x6        |                            | 9                                | 36                               | 60                             | 3733                        |                             | Non Engraved  |
| 2       | G.F Beams & Slab<br>(3000 Psi) | 18 | 9    | 2024          | 6x6x6        |                            | 8.4                              | 36                               | 80                             | 4978                        |                             | Non Engraved  |
| 3       |                                |    |      |               |              |                            |                                  |                                  |                                |                             |                             |               |
| 4       |                                |    |      |               |              |                            |                                  |                                  |                                |                             |                             |               |
| 5       |                                |    |      |               | (            | THE                        | RING                             |                                  |                                |                             |                             |               |
| 6       |                                |    |      |               | )            | READ IN                    | 2071                             |                                  |                                |                             |                             |               |
| 7       |                                |    |      |               |              | OF THY<br>CREATES          | ز <del>ب</del> ک<br>اند کی خلق ر | 133                              |                                |                             |                             |               |
| 8       |                                |    |      |               |              |                            |                                  | 5-                               |                                |                             |                             |               |
| 9       |                                |    |      |               | 3            | 200                        |                                  | <b>?</b>                         |                                |                             |                             |               |
| 10      |                                |    |      |               | <            |                            | IORE                             |                                  |                                |                             |                             |               |
| 11      |                                |    |      |               |              |                            |                                  |                                  |                                |                             |                             |               |
| 12      |                                |    |      |               |              |                            |                                  |                                  |                                |                             |                             |               |
| 13      |                                |    |      |               |              |                            |                                  |                                  |                                |                             |                             |               |
| 14      |                                |    |      |               |              |                            |                                  |                                  |                                |                             |                             |               |
| 15      |                                |    |      |               |              |                            |                                  |                                  |                                |                             |                             |               |
| 16      |                                |    |      |               |              |                            |                                  |                                  |                                |                             |                             |               |
| Witness | ed by: Nil                     |    |      |               |              |                            |                                  |                                  |                                |                             |                             |               |

#### Witnessed by: Nil

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

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

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

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

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

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

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

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



**Civil Engineering Department** 

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

8203 Dr. M.Yousaf

To: Sub Divisional Officer Buildings Sub Division No.11, Lahore.

Buildings Sub Division No. 11, Lanore.

Project: Establishment of Safe City Girls Hostel at Lahore.

| Our Ref. No. CL/CED/ 6419  | Dated: | 11-11-24 | Test Specification |
|----------------------------|--------|----------|--------------------|
| Your Ref. No. No. 401/11th | Dated: | 23-10-24 | ( BS 1881-116 )    |

### **COMPRESSION TEST REPORT**

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

| Specim  | ens received on:            | 0  | 8-11 | -24           | Tested on:   | 11-1                          | 11-24                      | in dry/wet                       | t condition |                             |                             | ONLINE REPORT |
|---------|-----------------------------|----|------|---------------|--------------|-------------------------------|----------------------------|----------------------------------|-------------|-----------------------------|-----------------------------|---------------|
| Sr. No. | Mark*                       |    | -    | Date*<br>YYYY | Size<br>(in) | Wet<br>Weight<br>(Kg/ gms)    | Dry<br>Weight<br>(Kg/ gms) | Area of<br>X-Section<br>(Sq. in) |             | Ultimate<br>Stress<br>(psi) | Water<br>Absorpti<br>on (%) | Remarks       |
| 1       | 2nd F. Column<br>(4000 Psi) | 22 | 9    | 2024          | 6x6x6        |                               | 9                          | 36                               | 70          | 4356                        |                             | Non Engraved  |
| 2       | 2nd F. Column<br>(4000 Psi) | 22 | 9    | 2024          | 6x6x6        |                               | 8.8                        | 36                               | 86          | 5351                        |                             | Non Engraved  |
| 3       |                             |    |      |               |              |                               |                            |                                  |             |                             |                             |               |
| 4       |                             |    |      |               |              |                               |                            |                                  |             |                             |                             |               |
| 5       |                             |    |      |               |              | NEINE                         | RING                       |                                  |             |                             |                             |               |
| 6       |                             |    |      |               |              | READ IN                       | 2071                       |                                  |             |                             |                             |               |
| 7       |                             |    |      |               |              | OF THY<br>BORD WHO<br>CREATES | رچې ا<br>اند کې خلق ر      | 103                              |             |                             |                             |               |
| 8       |                             |    |      |               |              |                               |                            | NN.                              |             |                             |                             |               |
| 9       |                             |    |      |               | 7            |                               |                            | <b>N</b>                         |             |                             |                             |               |
| 10      |                             |    |      |               | <            | LA                            | IORE.                      |                                  |             |                             |                             |               |
| 11      |                             |    |      |               |              |                               |                            |                                  |             |                             |                             |               |
| 12      |                             |    |      |               |              |                               |                            |                                  |             |                             |                             |               |
| 13      |                             |    |      |               |              |                               |                            |                                  |             |                             |                             |               |
| 14      |                             |    |      |               |              |                               |                            |                                  |             |                             |                             |               |
| 15      |                             |    |      |               |              |                               |                            |                                  |             |                             |                             |               |
| 16      |                             |    |      |               |              |                               |                            |                                  |             |                             |                             |               |
| Witness | ed by: Nil                  |    |      |               |              |                               |                            |                                  |             |                             |                             |               |

#### Witnessed by: Nil

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

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

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

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

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

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

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

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



**Civil Engineering Department** 

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

8183 Dr. M.Yousaf

To: Mr. Waris Ali

Azaam International Developers Pvt. Ltd.

Project: Comm Plaza DHA Phase-8, Plot # 127

| Our Ref. No. CL/CED/ 6420 | Dated: | 11-11-24 | Test Specification |
|---------------------------|--------|----------|--------------------|
| Your Ref. No. Nil         | Dated: | 06-11-24 | ( BS 1881-116 )    |

### COMPRESSION TEST REPORT

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

| Specim  | ens received on: | 0  | 6-11 | -24           | Tested on:   | 11-1                         | 11-24                      | in dry/wet                       | condition |                             |                             | ONLINE REPORT |
|---------|------------------|----|------|---------------|--------------|------------------------------|----------------------------|----------------------------------|-----------|-----------------------------|-----------------------------|---------------|
| Sr. No. | Mark*            |    | -    | Date*<br>YYYY | Size<br>(in) | Wet<br>Weight<br>(Kg/ gms)   | Dry<br>Weight<br>(Kg/ gms) | Area of<br>X-Section<br>(Sq. in) |           | Ultimate<br>Stress<br>(psi) | Water<br>Absorpti<br>on (%) | Remarks       |
| 1       | 4000 Psi         | 21 | 9    | 2024          | 6x6x6        |                              | 7.8                        | 36                               | 63        | 3920                        |                             | Non Engraved  |
| 2       | 4000 Psi         | 21 | 9    | 2024          | 6x6x6        |                              | 8                          | 36                               | 66        | 4107                        |                             | Non Engraved  |
| 3       |                  |    |      |               |              |                              |                            |                                  |           |                             |                             |               |
| 4       |                  |    |      |               |              |                              |                            |                                  |           |                             |                             |               |
| 5       |                  |    |      |               | (            | THIE                         | RIA-                       |                                  |           |                             |                             |               |
| 6       |                  |    |      |               | - )          | READ IN                      | 2071                       | <b>X</b>                         |           |                             |                             |               |
| 7       |                  |    |      |               | - È          | OF THY<br>CRD WHO<br>CREATES | زیک<br>الدی خلق ر          |                                  |           |                             |                             |               |
| 8       |                  |    |      |               |              |                              |                            | 5                                |           |                             |                             |               |
| 9       |                  |    |      |               | 5            | 20-                          |                            | ₹/                               |           |                             |                             |               |
| 10      |                  |    |      |               | <            | (A                           | IDRE.                      |                                  |           |                             |                             |               |
| 11      |                  |    |      |               |              |                              |                            |                                  |           |                             |                             |               |
| 12      |                  |    |      |               |              |                              |                            |                                  |           |                             |                             |               |
| 13      |                  |    |      |               |              |                              |                            |                                  |           |                             |                             |               |
| 14      |                  |    |      |               |              |                              |                            |                                  |           |                             |                             |               |
| 15      |                  |    |      |               |              |                              |                            |                                  |           |                             |                             |               |
| 16      |                  |    |      |               |              |                              |                            |                                  |           |                             |                             |               |
| Witness | ed by: Nil       | -  | -    | •             |              | •                            | •                          | •                                | •         |                             |                             |               |

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

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

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

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

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

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

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



To:

### Plain and Reinforced Concrete Laboratory **Civil Engineering Department**

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

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

> 8199 Dr. M.Yousaf

| Mr. M. USMAN R   | AUF   |                           |          |                    |
|------------------|---|---------------------------|----------|--------------------|
| Resident Engine  | er, Highways and Transportation Enginee   | ering Division, NESPAK (I | Pvt) Ltd |                    |
|                  | iction of Carpet & PCC from H # 424, 1-D-1<br>a Masjid Islamia 2-D-1 Green Town UC-23 |                           |          | ‡ 18 to            |
| Our Ref. No. CL/ | 'CED/ 6421  | Dated:                    | 11-11-24 | Test Specification |
| Your Ref. No.    | 4084/103/MUR/104/1902   | Dated:                    | 25-10-24 | (BS 1881-116)      |

### COMPRESSION TEST REPORT

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

| Specim  | ens received on: | 0         | 7-11 | -24           | Tested on:   | 11-1                       | 11-24                      | in dry/wet                       | condition |                             |                             | ONLINE REPORT |
|---------|------------------|-----------|------|---------------|--------------|----------------------------|----------------------------|----------------------------------|-----------|-----------------------------|-----------------------------|---------------|
| Sr. No. | Mark*            | Cas<br>DD | -    | Date*<br>YYYY | Size<br>(in) | Wet<br>Weight<br>(Kg/ gms) | Dry<br>Weight<br>(Kg/ gms) | Area of<br>X-Section<br>(Sq. in) |           | Ultimate<br>Stress<br>(psi) | Water<br>Absorpti<br>on (%) | Remarks       |
| 1       |                  | 24        | 9    | 2024          | 6x6x6        |                            | 9.2                        | 36                               | 75        | 4667                        |                             | Non Engraved  |
| 2       |                  | 24        | 9    | 2024          | 6x6x6        |                            | 8.6                        | 36                               | 90        | 5600                        |                             | Non Engraved  |
| 3       |                  | 24        | 9    | 2024          | 6x6x6        |                            | 7.6                        | 36                               | 67        | 4169                        |                             | Non Engraved  |
| 4       |                  |           |      |               |              |                            |                            |                                  |           |                             |                             |               |
| 5       |                  |           |      |               | <            | THE                        | RING                       |                                  |           |                             |                             |               |
| 6       |                  |           |      |               | / 4          | READ IN                    | 2071                       |                                  |           |                             |                             |               |
| 7       |                  |           |      |               | - È          | OF THY<br>CREATES          | رچې<br>اند کې خلق ر        |                                  |           |                             |                             |               |
| 8       |                  |           |      |               |              |                            |                            | 5-                               |           |                             |                             |               |
| 9       |                  |           |      |               | >            | 200-                       |                            | <b>?</b>                         |           |                             |                             |               |
| 10      |                  |           |      |               | <            |                            | IORE.                      |                                  |           |                             |                             |               |
| 11      |                  |           |      |               |              |                            |                            |                                  |           |                             |                             |               |
| 12      |                  |           |      |               |              |                            |                            |                                  |           |                             |                             |               |
| 13      |                  |           |      |               |              |                            |                            |                                  |           |                             |                             |               |
| 14      |                  |           |      |               |              |                            |                            |                                  |           |                             |                             |               |
| 15      |                  |           |      |               |              |                            |                            |                                  |           |                             |                             |               |
| 16      |                  |           |      |               |              |                            |                            |                                  |           |                             |                             |               |
| Witness | ed by: Nil       |           |      |               |              |                            |                            |                                  |           |                             |                             |               |

witnessea by: Nii

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

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

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

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

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

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

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

Supervisor (Lab)



**Civil Engineering Department** 

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



Test Specification

(----)

| To: | M/S Kanwar Associates<br>Johar Town, Lahore. |  |  |  |  |  |  |  |
|-----|--|--|--|--|--|--|--|--|
|     | Project: Blessed Textile Limited Unit 4.     |  |  |  |  |  |  |  |
|     | Our Ref. No. CL/CED/ 6422                    |  |  |  |  |  |  |  |
|     | Your Ref. No. K.A/3010/6689                  |  |  |  |  |  |  |  |

### COMPRESSION TEST REPORT

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

| Specim  | ens received on:           | 0 | 5-11 | -24           | Tested on:      | 11-1                          | 11-24                      | in dry/wet                       | condition |                             |                             | ONLINE REPORT |
|---------|----------------------------|---|------|---------------|-----------------|-------------------------------|----------------------------|----------------------------------|-----------|-----------------------------|-----------------------------|---------------|
| Sr. No. | Mark*                      |   | -    | Date*<br>YYYY | Size<br>(in)    | Wet<br>Weight<br>(Kg/ gms)    | Dry<br>Weight<br>(Kg/ gms) | Area of<br>X-Section<br>(Sq. in) |           | Ultimate<br>Stress<br>(psi) | Water<br>Absorpti<br>on (%) | Remarks       |
| 1       | Rectangular, Grey,<br>80mm |   |      |               | 7.8 x 3.8 x 2.9 |                               | 3545                       | 29.64                            | 119       | 8993                        |                             |               |
| 2       | Rectangular, Grey,<br>80mm |   |      |               | 7.8 x 3.8 x 2.9 |                               | 3625                       | 29.64                            | 120       | 9069                        |                             |               |
| 3       |                            |   |      |               |                 |                               |                            |                                  |           |                             |                             |               |
| 4       |                            |   |      |               |                 |                               |                            |                                  |           |                             |                             |               |
| 5       |                            |   |      |               |                 | NHNE                          | RING                       |                                  |           |                             |                             |               |
| 6       |                            |   |      |               |                 | READ N                        | 2071                       |                                  |           |                             |                             |               |
| 7       |                            |   |      |               |                 | OF THY<br>CORD WHO<br>CREATES | رچې ا<br>اند کې خلق ر      | 133                              |           |                             |                             |               |
| 8       |                            |   |      |               |                 |                               |                            |                                  |           |                             |                             |               |
| 9       |                            |   |      |               | 2               |                               |                            | ~                                |           |                             |                             |               |
| 10      |                            |   |      |               | <               | / A                           | IORE.                      |                                  |           |                             |                             |               |
| 11      |                            |   |      |               |                 |                               |                            |                                  |           |                             |                             |               |
| 12      |                            |   |      |               |                 |                               |                            |                                  |           |                             |                             |               |
| 13      |                            |   |      |               |                 |                               |                            |                                  |           |                             |                             |               |
| 14      |                            |   |      |               |                 |                               |                            |                                  |           |                             |                             |               |
| 15      |                            |   |      |               |                 |                               |                            |                                  |           |                             |                             |               |
| 16      |                            |   |      |               |                 |                               |                            |                                  |           |                             |                             |               |
| Witness | ed by:                     |   |      |               |                 |                               |                            |                                  |           |                             |                             |               |

Dated:

Dated:

11-11-24

30-10-24

#### witnessea by:

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

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

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

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

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

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

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



**Civil Engineering Department** 

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



Test Specification

(----)

| то: | M/S Kanwar Associates<br>Johar Town, Lahore. |  |  |  |  |  |  |  |
|-----|--|--|--|--|--|--|--|--|
|     | Project: Blessed Textile Limited Unit 4.     |  |  |  |  |  |  |  |
|     | Our Ref. No. CL/CED/ 6423                    |  |  |  |  |  |  |  |
|     | Your Ref. No. K.A/3010/6688                  |  |  |  |  |  |  |  |

### COMPRESSION TEST REPORT

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

| Specim  | ens received on:           | 0 | 5-11 | -24           | Tested on:      | 11-1                          | 11-24                      | in dry/wet                       | condition                      |                             |                             | ONLINE REPORT |
|---------|----------------------------|---|------|---------------|-----------------|-------------------------------|----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|---------------|
| Sr. No. | Mark*                      |   | -    | Date*<br>YYYY | Size<br>(in)    | Wet<br>Weight<br>(Kg/ gms)    | Dry<br>Weight<br>(Kg/ gms) | Area of<br>X-Section<br>(Sq. in) | Ultimate<br>Ioad<br>(Imp.Tons) | Ultimate<br>Stress<br>(psi) | Water<br>Absorpti<br>on (%) | Remarks       |
| 1       | Rectangular, Grey,<br>80mm |   |      |               | 7.8 x 3.8 x 2.9 |                               | 3585                       | 29.64                            | 82                             | 6197                        |                             |               |
| 2       | Rectangular, Grey,<br>80mm |   |      |               | 7.8 x 3.8 x 2.9 |                               | 3420                       | 29.64                            | 90                             | 6802                        |                             |               |
| 3       |                            |   |      |               |                 |                               |                            |                                  |                                |                             |                             |               |
| 4       |                            |   |      |               |                 |                               |                            |                                  |                                |                             |                             |               |
| 5       |                            |   |      |               |                 | THE                           | RINT                       |                                  |                                |                             |                             |               |
| 6       |                            | - |      |               | -               | READIN                        | 2071                       |                                  |                                |                             |                             |               |
| 7       |                            |   |      |               |                 | OF THY<br>HORD WHO<br>OREATES | زیجب<br>اندکی خلق ر        | £21                              |                                |                             |                             |               |
| 8       |                            |   |      |               | <u>s</u> w:     |                               |                            |                                  |                                | -                           |                             |               |
| 9       |                            |   |      |               | H               |                               |                            | ~                                |                                | -                           |                             |               |
| 10      |                            |   |      |               | -               |                               | IDR <u>F.</u>              |                                  |                                | -                           |                             |               |
| 11      |                            | - |      |               |                 | -                             |                            |                                  |                                |                             |                             |               |
| 12      |                            |   |      |               |                 |                               |                            |                                  |                                | -                           |                             |               |
| 13      |                            |   |      |               |                 |                               |                            |                                  |                                |                             |                             |               |
| 14      |                            |   |      |               |                 |                               |                            |                                  |                                |                             |                             |               |
| 15      |                            |   |      |               |                 |                               |                            |                                  |                                |                             |                             |               |
| 16      |                            |   |      |               |                 |                               |                            |                                  |                                |                             |                             |               |
| Witness | ed by:                     |   |      |               |                 |                               |                            |                                  |                                |                             |                             |               |

Dated:

Dated:

11-11-24

30-10-24

#### witnessea by:

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

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

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

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

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

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

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



**Civil Engineering Department** 

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

8206 Dr. M. Yousaf

To: Consultant

Takbeer Tower, Mecload Road, Lahore.

| Project: Nil              |        |          |                    |
|---------------------------|--------|----------|--------------------|
| Our Ref. No. CL/CED/ 6424 | Dated: | 11-11-24 | Test Specification |
| Your Ref. No. Nil         | Dated: | 08-11-24 | ( )                |

### COMPRESSION TEST REPORT

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

| Specim  | ens received on:           | 0 | 8-11 | -24           | Tested on:      | 11-1                       | 11-24                      | in dry/we                        | t condition |                             |                             | ONLINE REPORT |
|---------|----------------------------|---|------|---------------|-----------------|----------------------------|----------------------------|----------------------------------|-------------|-----------------------------|-----------------------------|---------------|
| Sr. No. | Mark*                      |   | -    | Date*<br>YYYY | 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       | Rectangular, Grey,<br>60mm |   |      |               | 7.8 x 3.8 x 2.4 |                            | 2555                       | 29.64                            | 66          | 4988                        |                             |               |
| 2       | Rectangular, Grey,<br>60mm |   |      |               | 7.8 x 3.8 x 2.4 |                            | 2635                       | 29.64                            | 48          | 3628                        |                             |               |
| 3       | Rectangular, Grey,<br>60mm |   |      |               | 7.8 x 3.8 x 2.4 |                            | 2660                       | 29.64                            | 64          | 4837                        |                             |               |
| 4       | Rectangular, Grey,<br>60mm |   |      |               | 7.8 x 3.8 x 2.4 |                            | 2575                       | 29.64                            | 52          | 3930                        |                             |               |
| 5       | Rectangular, Grey,<br>60mm |   |      |               | 7.8 x 3.8 x 2.4 | THINE                      | 2705                       | 29.64                            | 54          | 4081                        |                             |               |
| 6       | Rectangular, Grey,<br>60mm |   |      |               | 7.8 x 3.8 x 2.4 | KEAU N                     | 2655                       | 29.64                            | 66          | 4988                        |                             |               |
| 7       |                            |   |      |               |                 | OF THY<br>CREATES          | رچې<br>اندنې خلق ر         |                                  |             |                             |                             |               |
| 8       |                            |   |      |               | - 48            |                            |                            | 5-                               |             |                             |                             |               |
| 9       |                            |   |      |               |                 |                            |                            | 2                                |             |                             |                             |               |
| 10      |                            |   |      |               |                 | / A                        | IORL.                      | <b>_</b>                         |             |                             |                             |               |
| 11      |                            |   |      |               |                 | \                          |                            |                                  |             |                             |                             |               |
| 12      |                            |   |      |               |                 |                            |                            |                                  |             |                             |                             |               |
| 13      |                            |   |      |               |                 |                            |                            |                                  |             |                             |                             |               |
| 14      |                            |   |      |               |                 |                            |                            |                                  |             |                             |                             |               |
| 15      |                            |   |      |               |                 |                            |                            |                                  |             |                             |                             |               |
| 16      |                            |   |      |               |                 |                            |                            |                                  |             |                             |                             |               |
| Witness | sed by:                    |   |      |               |                 |                            |                            |                                  |             |                             |                             |               |

#### witnessea by:

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

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

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

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

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

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

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



**Civil Engineering Department** 

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

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

8107 Dr. M. Yousaf

#### To: Sub Divisional Officer

Buildings Sub Division No.23, Lahore.

Project: Program for Revamping of 552 BHU'S of North and Central Punjab (Phase- I) " One at (Basic Health Units of District Lahore Phase-I). (ADP No. 364 for the year 2024-25) Our Ref. No. CL/CED/ 6425 Dated: 11-11-24 Dated: 05-10-24

Your Ref. No. No. 127/23 SD

### COMPRESSION TEST REPORT



**Test Specification** 

(----)

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

| Specimo | ens received on: | 2  | 8-10 | -24   | Tested on:                    | 11-1                           | 11-24         | in dry/wet           | condition  |                    |                             | ONLINE REPORT |
|---------|------------------|----|------|-------|-------------------------------|--------------------------------|---------------|----------------------|------------|--------------------|-----------------------------|---------------|
| Sr. No. | Mark*            |    | -    | Date* | Size                          | Wet<br>Weight                  | Dry<br>Weight | Area of<br>X-Section |            | Ultimate<br>Stress | Water<br>Absorpti<br>on (%) | Remarks       |
|         |                  | DD | MM   | YYYY  | (in)                          | (Kg/ gms)                      | (Kg/ gms)     | (Sq. in)             | (Imp.Tons) | (psi)              | 011 (78)                    |               |
| 1       | JB               |    |      |       | 8.9 x 4.2 x 3                 |                                | 3240          | 37.38                | 38         | 2277               |                             |               |
| 2       | JB               |    |      |       | 8.9 x 4.3 x 2.8               |                                | 3080          | 38.27                | 43         | 2517               |                             |               |
| 3       | JB               |    |      |       | 8.9 x 4.3 x 2.9               |                                | 3295          | 38.27                | 40         | 2341               |                             |               |
| 4       | 707              |    |      |       | 9 x 4.4 x 3.1                 |                                | 3485          | 39.6                 | 28         | 1584               |                             |               |
| 5       | 707              |    |      |       | 9 x 4 x 3                     | THE                            | 3365          | 36                   | 22         | 1369               |                             |               |
| 6       | 707              |    |      |       | 8.9 x 4.3 x 3                 | READ IN                        | 3380          | 38.27                | 39         | 2283               |                             |               |
| 7       | S                |    |      |       | 8.7 x 4.3 x 2.9               | OF THY<br>-CORD WHC<br>CREATES | 3150          | 37.41                | 38         | 2275               |                             |               |
| 8       | S                |    |      |       | 8.7 x 4. <mark>3 x 2.8</mark> |                                | 3010          | 37.41                | 40         | 2395               |                             |               |
| 9       | s                |    |      |       | 8.8 x 4.3 x 2.9               | 20-                            | 3105          | 37.84                | 28         | 1658               |                             |               |
| 10      |                  |    |      |       | <                             |                                | IDRE.         |                      |            |                    |                             |               |
| 11      |                  |    |      |       |                               |                                |               |                      |            |                    |                             |               |
| 12      |                  |    |      |       |                               |                                |               |                      |            |                    |                             |               |
| 13      |                  |    |      |       |                               |                                |               |                      |            |                    |                             |               |
| 14      |                  |    |      |       |                               |                                |               |                      |            |                    |                             |               |
| 15      |                  |    |      |       |                               |                                |               |                      |            |                    |                             |               |
| 16      |                  |    |      |       |                               |                                |               |                      |            |                    |                             |               |
| Witness | ed by:           |    |      |       |                               |                                | •             | •                    | •          | •                  |                             |               |

#### ninesseu by

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

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

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

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

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

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

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



To:

### Plain and Reinforced Concrete Laboratory **Civil Engineering Department**

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

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

8136 Dr. M. Yousaf

| Mr. Salman Akht                     | tar Khan   |                      |                      |  |
|-------------------------------------|--|----------------------|----------------------|--|
| Engineer's Repr                     | esentative, Construction Management Division             | on, NESPAK (Pvt) Ltd |                      |  |
| Project: Constru<br>Package C-1, Ph | uction of Pakistan Kidney & Lever Institute an<br>ase-1. | d Research Center, L | ahore Hospital PKLI, |  |
| Our Ref. No. CL/                    | 'CED/ 6426   | Dated:               | 11-11-24             |  |
| Your Ref. No.                       | 3836/13/9A/SAK/C1-MTR-270                                | Dated:               | 29-10-24             |  |

### COMPRESSION TEST REPORT



Test Specification (----)

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

| Specimens received on: |         |    | 1-10 | -24   | Tested on:    | 11-1                          | 1-24                | in dry/wet           | t condition |                    |                             | ONLINE REPORT |
|------------------------|---------|----|------|-------|---------------|-------------------------------|---------------------|----------------------|-------------|--------------------|-----------------------------|---------------|
| Sr. No.                | Mark*   |    | -    | Date* | Size          | Wet<br>Weight                 |                     | Area of<br>X-Section |             | Ultimate<br>Stress | Water<br>Absorpti<br>on (%) | Remarks       |
|                        |         | DD | ММ   | YYYY  | (in)          | (Kg/ gms)                     | (Kg/ gms)           | (Sq. in)             | (Imp.Tons)  | (psi)              | 011 (76)                    |               |
| 1                      | NBI     |    |      |       | 8.8 x 4.3 x 3 |                               | 3540                | 37.84                | 38          | 2249               |                             |               |
| 2                      | NBI     |    |      |       | 8.9 x 4.1 x 3 |                               | 3450                | 36.49                | 42          | 2578               |                             |               |
| 3                      | NBI     |    |      |       | 8.8 x 4.2 x 3 |                               | 3460                | 36.96                | 45          | 2727               |                             |               |
| 4                      | NBI     |    |      |       | 8.9 x 4.3 x 3 | 3800                          | 3445                | 38.27                |             |                    | 10.3                        |               |
| 5                      | NBI     |    |      |       | 8.8 x 4.3 x 3 | 3785                          | 3455                | 37.84                |             |                    | 9.55                        |               |
| 6                      | NBI     |    |      |       | 8.9 x 4.3 x 3 | 3930                          | 3595                | 38.27                |             |                    | 9.32                        |               |
| 7                      |         |    |      |       | 111           | OF THY<br>BORD WHO<br>CREATES | زیجب<br>اندکی خلق ر | 133                  |             |                    |                             |               |
| 8                      |         |    |      |       | 1             |                               |                     |                      |             |                    |                             |               |
| 9                      |         |    |      |       | >             |                               |                     | ~                    |             |                    |                             |               |
| 10                     |         |    |      |       | <             | / A                           | IOR <u>E</u>        |                      |             |                    |                             |               |
| 11                     |         |    |      |       |               |                               |                     |                      |             |                    |                             |               |
| 12                     |         |    |      |       |               |                               |                     |                      |             |                    |                             |               |
| 13                     |         |    |      |       |               |                               |                     |                      |             |                    |                             |               |
| 14                     |         |    |      |       |               |                               |                     |                      |             |                    |                             |               |
| 15                     |         |    |      |       |               |                               |                     |                      |             |                    |                             |               |
| 16                     |         |    |      |       |               |                               |                     |                      |             |                    |                             |               |
| Witness                | sed by: |    | •    | •     |               | ·                             |                     | •                    |             |                    |                             |               |

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

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

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

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

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

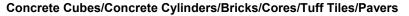
Note: Above results pertain to the unsealed samples supplied to the laboratory

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



|                 | arty Validation of "Construction Proje<br>H/3, M.A. Johar Town, Lahore. | ct of Punjab Eduaction Foun | dation (PEF) Head O | ffice              |
|-----------------|---|-----------------------------|---------------------|--------------------|
| Our Ref. No. CL |   | Dated:                      | 11-11-24            | Test Specification |
| Your Ref. No.   | ECSP/LT/406/02  | Dated:                      | 29-10-24            | ()                 |

### COMPRESSION TEST REPORT



| Specim        | ens received on: | 2         | 9-10 | -24           | Tested on:    | 11-1                          | 11-24                      | in dry/wet                       | condition                      |                             |                             | ONLINE REPORT |
|---------------|------------------|-----------|------|---------------|---------------|-------------------------------|----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|---------------|
| Sr. No.       | Mark*            | Cas<br>DD | -    | Date*<br>YYYY | Size<br>(in)  | Wet<br>Weight<br>(Kg/ gms)    | Dry<br>Weight<br>(Kg/ gms) | Area of<br>X-Section<br>(Sq. in) | Ultimate<br>Ioad<br>(Imp.Tons) | Ultimate<br>Stress<br>(psi) | Water<br>Absorpti<br>on (%) | Remarks       |
| 1             | z                |           |      |               | 8.8 x 4.1 x 3 | 3700                          | 3345                       | 36.08                            | 49                             | 3042                        | 10.61                       |               |
| 2             | z                |           |      |               | 8.9 x 4.3 x 3 | 3740                          | 3380                       | 38.27                            | 48                             | 2810                        | 10.65                       |               |
| 3             | z                |           |      |               | 8.8 x 4.2 x 3 | 3640                          | 3290                       | 36.96                            | 47                             | 2848                        | 10.64                       |               |
| 4             | Z                |           |      |               | 8.8 x 4.3 x 3 | 3610                          | 3185                       | 37.84                            | 43                             | 2545                        | 13.34                       |               |
| 5             |                  |           |      |               | (             | NHNE                          | RING                       |                                  |                                |                             |                             |               |
| 6             |                  |           |      |               | ).            | READ IN                       | 2071                       |                                  |                                |                             |                             |               |
| 7             |                  |           |      |               | -             | OF THY<br>BORD WHO<br>CREATES | ریجب<br>اندمی خلق ر        | I<br>FCH                         |                                |                             |                             |               |
| 8             |                  |           |      |               |               |                               |                            | l<br>Nn                          |                                |                             |                             |               |
| 9             |                  |           |      |               |               | 20                            | 1                          |                                  |                                |                             |                             |               |
| 10            |                  |           |      |               | <             | / A                           | IOR <u>E</u>               |                                  |                                |                             |                             |               |
| 11            |                  |           |      |               |               |                               |                            |                                  |                                |                             |                             |               |
| 12            |                  |           |      |               |               |                               |                            |                                  |                                |                             |                             |               |
| 13            |                  |           |      |               |               |                               |                            |                                  |                                |                             |                             |               |
| 14            |                  |           |      |               |               |                               |                            |                                  |                                |                             |                             |               |
| 15            |                  |           |      |               |               |                               |                            |                                  |                                |                             |                             |               |
| 16            |                  |           |      |               |               |                               |                            |                                  |                                |                             |                             |               |
| Nitnessed by: |                  |           |      |               |               |                               |                            |                                  |                                |                             |                             |               |

#### Witnessed by:

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

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

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

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

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

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

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

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

### Director/Dy. Director Concrete Laboratory



**Civil Engineering Department** 

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

8196 Dr. M. Burhan

### To: Mr. Ali Zahid Latif

Resident Engineer, NESPAK-TURKPAK JV

Project: Reconstruction of Old P&D Building, Lahore. (MIR #: MIR-001, Site Production)

| Our Ref. No. CL | /CED/ 6428            | Dated: | 11-11-24 | Test Specification |
|-----------------|-----------------------|--------|----------|--------------------|
| Your Ref. No.   | 4674/P&D/13/09/AZL/68 | Dated: | 07-11-24 | ( )                |

### **COMPRESSION TEST REPORT**

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

| Specimens received on: |             | 07-11-24 Tested on: |   |       | 11-11-24                  |                               | in dry/wet condition       |                                  |                                |                             | ONLINE REPORT               |         |
|------------------------|-------------|---------------------|---|-------|---------------------------|-------------------------------|----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|---------|
| 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                      | Solid Block |                     |   |       | (III)<br>11.9 x 5.8 x 7.9 | (rtg/ gills)<br>              | (rtg/ gills)<br>19.8       | 69.02                            | (imp.rons)<br>60               | (psi)<br>1947               |                             |         |
| 2                      | Solid Block |                     |   |       | 12 x 5.9 x 7.9            |                               | 20                         | 70.8                             | 74                             | 2341                        |                             |         |
| 3                      | Solid Block |                     |   |       | 12 x 6 x 8                |                               | 19.8                       | 72                               | 79                             | 2458                        |                             |         |
| 4                      | Solid Block |                     |   |       | 11.9 x 5.9 x 8            |                               | 18.8                       | 70.21                            | 74                             | 2361                        |                             |         |
| 5                      | Solid Block |                     |   |       | 11.9 x 5.9 x 7.9          | , THE                         | 19.4                       | 70.21                            | 74                             | 2361                        |                             |         |
| 6                      | Solid Block |                     |   |       | 11.9 x 5.9 x 8            | READ IN                       | 19.8                       | 70.21                            | 70                             | 2233                        |                             |         |
| 7                      |             |                     |   |       |                           | OF THY<br>HORD WHO<br>CREATES | ریجب<br>الذکی خلق ر        |                                  |                                |                             |                             |         |
| 8                      |             |                     |   |       | S.R. 1                    |                               |                            |                                  |                                |                             |                             |         |
| 9                      |             |                     |   |       |                           |                               |                            | ~                                |                                |                             |                             |         |
| 10                     |             |                     |   |       |                           |                               | IORE.                      |                                  |                                |                             |                             |         |
| 11                     |             |                     |   |       |                           |                               |                            |                                  |                                |                             |                             |         |
| 12                     |             |                     |   |       |                           |                               |                            |                                  |                                |                             |                             |         |
| 13                     |             |                     |   |       |                           |                               |                            |                                  |                                |                             |                             |         |
| 14                     |             |                     |   |       |                           |                               |                            |                                  |                                |                             |                             |         |
| 15                     |             |                     |   |       |                           |                               |                            |                                  |                                |                             |                             |         |
| 16                     |             |                     |   |       |                           |                               |                            |                                  |                                |                             |                             |         |

#### Witnessed by: Mr. Ali Usman Baig, Mr. M. Irfan & Mr. M. Umer Farooq

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

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

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

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

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

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



**Civil Engineering Department** 

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8196 Dr. M. Burhan

### To: Mr. Ali Zahid Latif

Resident Engineer, NESPAK-TURKPAK JV

Project: Reconstruction of Old P&D Building, Lahore. (MIR #: MIR-002, Site Production)

| Our Ref. No. CL | /CED/ 6429            | Dated: | 11-11-24 | Test Specification |
|-----------------|-----------------------|--------|----------|--------------------|
| Your Ref. No.   | 4674/P&D/13/09/AZL/69 | Dated: | 07-11-24 | ( )                |

### **COMPRESSION TEST REPORT**

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

| Specimens received on: |             | 07-11-24 Tested on: |   |       | 11-11-24 in dry/v         |                                | in dry/we                  | Iry/wet condition                |                                |                             | ONLINE REPORT               |         |
|------------------------|-------------|---------------------|---|-------|---------------------------|--------------------------------|----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|---------|
| 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>Ioad<br>(Imp.Tons) | Ultimate<br>Stress<br>(psi) | Water<br>Absorpti<br>on (%) | Remarks |
| 1                      | Solid Block |                     |   |       | (III)<br>11.9 x 5.9 x 7.9 | (r.g/ gills)<br>               | (Kg/ gills)<br>20          | (3q. iii)<br>70.21               | 58                             | (psi)<br>1850               |                             |         |
| 2                      | Solid Block |                     |   |       | 11.9 x 5.9 x 7.9          |                                | 19.8                       | 70.21                            | 72                             | 2297                        |                             |         |
| 3                      | Solid Block |                     |   |       | 11.9 x 5.9 x 8            |                                | 20.8                       | 70.21                            | 85                             | 2712                        |                             |         |
| 4                      | Solid Block |                     |   |       | 11.9 x 5.9 x 8            |                                | 20                         | 70.21                            | 79                             | 2520                        |                             |         |
| 5                      | Solid Block |                     |   |       | 11.9 x 5.9 x 8            | THE                            | 20.8                       | 70.21                            | 74                             | 2361                        |                             |         |
| 6                      | Solid Block |                     |   |       | 11.9 x 5.9 x 7.9          | READ IN                        | 20                         | 70.21                            | 64                             | 2042                        |                             |         |
| 7                      |             |                     |   |       |                           | OF THY<br>-CORD WHO<br>OREATES | ریجب<br>اند کی خلق ر       | I<br>FCH                         |                                |                             |                             |         |
| 8                      |             |                     |   |       | - 28                      |                                |                            |                                  |                                |                             |                             |         |
| 9                      |             |                     |   |       | - 7                       | 200                            |                            | <b>~</b>                         |                                |                             |                             |         |
| 10                     |             |                     |   |       | <                         | LA                             | IORE.                      |                                  |                                |                             |                             |         |
| 11                     |             |                     |   |       |                           |                                |                            |                                  |                                |                             |                             |         |
| 12                     |             |                     |   |       |                           |                                |                            |                                  |                                |                             |                             |         |
| 13                     |             |                     |   |       |                           |                                |                            |                                  |                                |                             |                             |         |
| 14                     |             |                     |   |       |                           |                                |                            |                                  |                                |                             |                             |         |
| 15                     |             |                     |   |       |                           |                                |                            |                                  |                                |                             |                             |         |
| 16                     |             |                     |   |       |                           |                                |                            |                                  |                                |                             |                             |         |

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