

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



#### To: Manager

ABL-SIER P#12, AMCORP Engineering & Construction (Pvt) Limited

Project: Construction of ABL Proposed Commercial Building Sunder Industrial Plot No. 12

| Our Ref. No. CL/ | CED/ 2296            | Dated: | 05-07-23  |
|------------------|----------------------|--------|-----------|
| Your Ref. No.    | ABL-SIER-AMC-QAQC-21 | Dated: | 18/6/2023 |

## COMPRESSION TEST REPORT

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

|                            |   |  |   | Tested on:   |  | 07-23  | in dry/wet condition  |   | Ľ  | jester j  |   |
|----------------------------|---|--|---|--|--|--|---|---|--|---|---|
| Mark*                      | Cas   | ting   | Date*   | Size   | Wet<br>Weight  | Dry<br>Weight  | Area of<br>X-Section  |   | Ultimate<br>Stress   | Absorpti  | Remarks   |
|                            | DD  | MM   | ΥΥΥΥ  | (in)   | (Kg/ gms)  | (Kg/ gms)  | (Sq. in)  | (Imp.Tons)  | (psi)  | on (%)  |   |
| Sample #7                  | 11  | 6  | 2023  | 6Diax12  |  | 13.2   | 28.28   | 63  | 4990   |   | Non Engraved  |
| Sample #8                  | 11  | 6  | 2023  | 6Diax12  |  | 13.2   | 28.28   | 63  | 4990   |   | Non Engraved  |
| Footing- P#12<br>Sample #9 | 11  | 6  | 2023  | 6Diax12  |  | 13.2   | 28.28   | 63  | 4990   |   | Non Engraved  |
|                            |   |  |   |  |  |  |   |   |  |   |   |
|                            |   |  |   |  |  |  |   |   |  |   |   |
|                            |   |  |   |  |  |  |   |   |  |   |   |
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|                            |   |  |   |  |  |  |   |   |  |   |   |
|                            | Footing- P#12<br>Sample #7<br>Footing- P#12<br>Sample #8<br>Footing- P#12<br>Sample #9<br><br><br><br><br><br><br><br>- | Mark*      DD        Footing- P#12      11        Footing- P#12      11        Sample #8      11        Footing- P#12      11        Sample #9      11        Footing- P#12      11        Sample #9      11 | Mark*      DD      MM        Footing- P#12      11      6        Sample #8      11      6        Footing- P#12      11      6        Sample #9      11      6 | Mark*      DD      MM VYYY        Footing- P#12<br>Sample #7      11      6      2023        Footing- P#12<br>Sample #8      11      6      2023        Footing- P#12<br>Sample #9      11      6      2023        Footing- P#12<br>Sample #9      11      6      2023 | Mark*      DD      MM YYYY      (in)        Footing- P#12<br>Sample #7      11      6      2023      6Diax12        Footing- P#12<br>Sample #8      11      6      2023      6Diax12        Footing- P#12<br>Sample #8      11      6      2023      6Diax12        Footing- P#12<br>Sample #9      11      6      2023      6Diax12 | Mark*      DD      MM YYYY      (in)      (Kg/ gms)        Footing- P#12<br>Sample #7      11      6      2023      6Diax12         Footing- P#12<br>Sample #8      11      6      2023      6Diax12         Footing- P#12<br>Sample #9      11      6      2023      6Diax12         Footing- P#12<br>Sample #9      11      6      2023      6Diax12 | Mark*      DD      MM YYYY      (in)      (Kg/ gms)      (Kg/ gms)        Footing- P#12<br>Sample #7      11      6      2023      6Diax12       13.2        Footing- P#12<br>Sample #8      11      6      2023      6Diax12       13.2        Footing- P#12<br>Sample #9      11      6      2023      6Diax12       13.2        Footing- P#12<br>Sample #9      11      6      2023      6Diax12       13.2        Footing- P#12<br>Sample #9      11      6      2023      6Diax12       13.2             13.2         Sample #9      11      6      2023      6Diax12       13.2 | Mark*      DD      MM YYYY      (in)      (Kg/ gms)      (Kg/ gms)      (Sq. in)        Footing- P#12<br>Sample #7      11      6      2023      6Diax12       13.2      28.28        Footing- P#12<br>Sample #8      11      6      2023      6Diax12       13.2      28.28        Footing- P#12<br>Sample #8      11      6      2023      6Diax12       13.2      28.28        Footing- P#12<br>Sample #9      11      6      2023      6Diax12       13.2      28.28            13.2      28.28        Footing- P#12<br>Sample #9      11      6      2023      6Diax12       13.2      28.28 | Mark*      DD      MM YYYY      (in)      (Kg/ gms)      (Kg/ gms)      (Sq. in)      (Imp.Tons)        Footing- P#12<br>Sample #7      11      6      2023      6Diax12       13.2      28.28      63        Footing- P#12<br>Sample #8      11      6      2023      6Diax12       13.2      28.28      63        Footing- P#12<br>Sample #8      11      6      2023      6Diax12       13.2      28.28      63        Footing- P#12<br>Sample #9      11      6      2023      6Diax12       13.2      28.28      63           13.2      28.28      63             13.2      28.28      63 | Mark*      DD      MM      YYYY      (in)      (Kg/ gms)      (Kg/ gms)      (Sq. in)      (Imp. Tons)      (psi)        Footing-P#12      11      6      2023      6Diax12       13.2      28.28      63      4990        Footing-P#12      11      6      2023      6Diax12       13.2      28.28      63      4990        Sample #8      11      6      2023      6Diax12       13.2      28.28      63      4990        Sample #8      11      6      2023      6Diax12       13.2      28.28      63      4990        Sample #8      11      6      2023      6Diax12       13.2      28.28      63      4990            13.2      28.28      63      4990 | Mark*      DD      MM      YYYY      (in)      (Kg/ gms)      (Kg/ gms)      (Sq. in)      Ioad      Stress      Absorption (%)        Footing-P#12      11      6      2023      6Diax12       13.2      28.28      63      4990         Footing-P#12      11      6      2023      6Diax12       13.2      28.28      63      4990         Footing-P#12      11      6      2023      6Diax12       13.2      28.28      63      4990         Sample #3      11      6      2023      6Diax12       13.2      28.28      63      4990         Sample #3      11      6      2023      6Diax12       13.2      28.28      63      4990         Sample #3      11      6      2023      6Diax12       13.2      28.28      63      4990 |

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

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

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

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

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

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

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

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

> 5431 Dr. Umbreen

Test Specification (ASTM C39)

| Supervisor | (Lab) |
|------------|-------|
|------------|-------|

### **Director/Dy. Director Concrete Laboratory**



**Civil Engineering Department** University of Engineering and Technology, Lahore. Pakistan

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



#### To: Manager

ABL-SIER P#12, AMCORP Engineering & Construction (Pvt) Limited

Project: Construction of ABL Proposed Commercial Building Sunder Industrial Plot No. 12

| Our Ref. No. CL/ | CED/ 2297            | Dated: | 05-07-23  |
|------------------|----------------------|--------|-----------|
| Your Ref. No.    | ABL-SIER-AMC-QAQC-22 | Dated: | 19/6/2023 |

## COMPRESSION TEST REPORT

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

| Specim  | ens received on:            | 19 | 9/6/2 | 023   | Tested on: | 05-0          | )7-23     | in dry/wet condition |            |                    | Ë        | je stano     |
|---------|-----------------------------|----|-------|-------|------------|---------------|-----------|----------------------|------------|--------------------|----------|--------------|
| Sr. No. | Mark*                       |    | •     | Date* | Size       | Wet<br>Weight |           | Area of<br>X-Section |            | Ultimate<br>Stress | Absorpti | Remarks      |
|         |                             | DD | MM    | YYYY  | (in)       | (Kg/ gms)     | (Kg/ gms) | (Sq. in)             | (Imp.Tons) | (psi)              | on (%)   |              |
| 1       | Footing- P#12<br>Sample #13 | 12 | 6     | 2023  | 6Diax12    |               | 13.4      | 28.28                | 71         | 5624               |          | Non Engraved |
| 2       | Footing- P#12<br>Sample #14 | 12 | 6     | 2023  | 6Diax12    |               | 13.2      | 28.28                | 67         | 5307               |          | Non Engraved |
| 3       | Footing- P#12<br>Sample #16 | 12 | 6     | 2023  | 6Diax12    |               | 13        | 28.28                | 65         | 5149               |          | Non Engraved |
| 4       |                             |    |       |       |            |               |           |                      |            |                    |          |              |
| 5       |                             |    |       |       |            |               |           |                      |            |                    |          |              |
| 6       |                             |    |       |       |            |               |           |                      |            |                    |          |              |
| 7       |                             |    |       |       |            |               |           |                      |            |                    |          |              |
| 8       |                             |    |       |       |            |               |           |                      |            |                    |          |              |
| 9       |                             |    |       |       |            |               |           |                      |            |                    |          |              |
| 10      |                             |    |       |       |            |               |           |                      |            |                    |          |              |
| 11      |                             |    |       |       |            |               |           |                      |            |                    |          |              |
| 12      |                             |    |       |       |            |               |           |                      |            |                    |          |              |
| 13      |                             |    |       |       |            |               |           |                      |            |                    |          |              |
| 14      |                             |    |       |       |            |               |           |                      |            |                    |          |              |
| 15      |                             |    |       |       |            |               |           |                      |            |                    |          |              |
| 16      |                             |    |       |       |            |               |           |                      |            |                    |          |              |
| Witness | ed by:                      |    |       |       |            |               |           |                      |            |                    |          |              |

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

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

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

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

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

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

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

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

> 5431 Dr. Umbreen

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Test Specification (ASTM C39)





Mobile: 0307-0496895

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

> 5431 Dr. Umbreen

Test Specification (ASTM C39)

#### To: Manager

ABL-SIER P#12, AMCORP Engineering & Construction (Pvt) Limited

Landline: 042-99029245 & 042-99029202

Project: Construction of ABL Proposed Commercial Building Sunder Industrial Plot No. 12

**Civil Engineering Department** 

University of Engineering and Technology, Lahore. Pakistan

| Our Ref. No. CL/ | CED/ 2298            | Dated: | 05-07-23  |
|------------------|----------------------|--------|-----------|
| Your Ref. No.    | ABL-SIER-AMC-QAQC-23 | Dated: | 19/6/2023 |

### COMPRESSION TEST REPORT

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

| Specim        | ens received on: | 19 | 9/6/2 | 023           | Tested on:   | 05-0                       | )7-23                      | in dry/wet condition             |    |                             | Ċ                           | jesteg       |
|---------------|------------------|----|-------|---------------|--------------|----------------------------|----------------------------|----------------------------------|----|-----------------------------|-----------------------------|--------------|
| 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             | P#12 Sample #19  | 12 | 6     | 2023          | 6Diax12      |                            | 13.2                       | 28.28                            | 59 | 4673                        |                             | Non Engraved |
| 2             | P#12 Sample #20  | 12 | 6     | 2023          | 6Diax12      |                            | 13                         | 28.28                            | 57 | 4515                        |                             | Non Engraved |
| 3             | P#12 Sample #21  | 12 | 6     | 2023          | 6Diax12      |                            | 13.2                       | 28.28                            | 63 | 4990                        |                             | Non Engraved |
| 4             |                  |    |       |               |              |                            |                            |                                  |    |                             |                             |              |
| 5             |                  |    |       |               |              |                            |                            |                                  |    |                             |                             |              |
| 6             |                  |    |       |               |              |                            |                            |                                  |    |                             |                             |              |
| 7             |                  |    |       |               |              |                            |                            |                                  |    |                             |                             |              |
| 8             |                  |    |       |               |              |                            |                            |                                  |    |                             |                             |              |
| 9             |                  |    |       |               |              |                            |                            |                                  |    |                             |                             |              |
| 10            |                  |    |       |               |              |                            |                            |                                  |    |                             |                             |              |
| 11            |                  |    |       |               |              |                            |                            |                                  |    |                             |                             |              |
| 12            |                  |    |       |               |              |                            |                            |                                  |    |                             |                             |              |
| 13            |                  |    |       |               |              |                            |                            |                                  |    |                             |                             |              |
| 14            |                  |    |       |               |              |                            |                            |                                  |    |                             |                             |              |
| 15            |                  |    |       |               |              |                            |                            |                                  |    |                             |                             |              |
| 16            |                  |    |       |               |              |                            |                            |                                  |    |                             |                             |              |
| Witnessed by: |                  |    |       |               |              |                            |                            |                                  |    |                             |                             |              |

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

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

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

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

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

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





To:

**Resident Engineer, NEW Vision Engineering Consultant** 

Project: Pilot Program for Hub & Spoke Model at Zahir Pir, Rahim Yar Khan

| Our Ref. No. CL/ | CED/ 2299             | Dated: | 05-07-23  |
|------------------|-----------------------|--------|-----------|
| Your Ref. No.    | NVEC/IDAP-ZPP/MF/0054 | Dated: | 24/6/2023 |

### COMPRESSION TEST REPORT

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

| Specimens received on: |                                 |     | /7/20 | )23   | Tested on: | 05-07-23      |           | in dry/wet condition |            |                    | Ľ.                          |              |  |  |
|------------------------|---------------------------------|-----|-------|-------|------------|---------------|-----------|----------------------|------------|--------------------|-----------------------------|--------------|--|--|
| Sr. No.                | Mark*                           | Cas | •     | Date* | Size       | Wet<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 (%)                     |              |  |  |
| 1                      | Lab Cured (3083)<br>(3000 Psi)  | 22  | 5     | 2023  | 6Diax12    |               | 12.6      | 28.28                | 47         | 3723               |                             | Non Engraved |  |  |
| 2                      | Lab Cured (3084)<br>(3000 Psi)  | 22  | 5     | 2023  | 6Diax12    |               | 12.2      | 28.28                | 55         | 4356               |                             | Non Engraved |  |  |
| 3                      | Lab Cured (3085)<br>(3000 Psi)  | 22  | 5     | 2023  | 6Diax12    |               | 12.2      | 28.28                | 45         | 3564               |                             | Non Engraved |  |  |
| 4                      | Site Cured (3098)<br>(4000 Psi) | 22  | 5     | 2023  | 6Diax12    |               | 12.8      | 28.28                | 49         | 3881               |                             | Non Engraved |  |  |
| 5                      | Site Cured (3099)<br>(4000 Psi) | 22  | 5     | 2023  | 6Diax12    |               | 12        | 28.28                | 45         | 3564               |                             | Non Engraved |  |  |
| 6                      | Site Cured (3100)<br>(4000 Psi) | 22  | 5     | 2023  | 6Diax12    |               | 13.4      | 28.28                | 63         | 4990               |                             | Non Engraved |  |  |
| 7                      |                                 |     |       |       |            |               |           |                      |            |                    |                             |              |  |  |
| 8                      |                                 |     |       |       |            |               |           |                      |            |                    |                             |              |  |  |
| 9                      |                                 |     |       |       |            |               |           |                      |            |                    |                             |              |  |  |
| 10                     |                                 |     |       |       |            |               |           |                      |            |                    |                             |              |  |  |
| 11                     |                                 |     |       |       |            |               |           |                      |            |                    |                             |              |  |  |
| 12                     |                                 |     |       |       |            |               |           |                      |            |                    |                             |              |  |  |
| 13                     |                                 |     |       |       |            |               |           |                      |            |                    |                             |              |  |  |
| 14                     |                                 |     |       |       |            |               |           |                      |            |                    |                             |              |  |  |
| 15                     |                                 |     |       |       |            |               |           |                      |            |                    |                             |              |  |  |
| 16                     |                                 |     |       |       |            |               |           |                      |            |                    |                             |              |  |  |
| Witness                | sed by:                         | -   |       | •     |            | Witnessed by: |           |                      |            |                    |                             |              |  |  |

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

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

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

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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.

5485 Dr. Umbreen

Test Specification (ASTM C39)

| Supe | rvisor | (Lab) |
|------|--------|-------|
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### **Director/Dy. Director Concrete Laboratory**

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|---------|--|----------------------|---------------------------------|
| a start | Plain and Reinforced Concrete Labor  | catory               | ORIGINAL<br>A carbon copy for   |
|         | Civil Engineering Department   |                      | the report has been retained in |
|         | University of Engineering and Technology, Lahore. Pakistan   |                      | the lab for record.             |
|         | Landline: 042-99029245 & 042-99029202 Mobile: 0307-04968   | 95                   |                                 |
|         | · AHORE ·  |                      | 5472<br>Dr. Umbreen             |
| To:     | Sub Divisional Officer   |                      |                                 |
|         | Buildings Sub Division No. 15, Lahore  |                      |                                 |
|         | Project: Construction of Bachelor Accommodation and Judicial Rest House at Lahore. (Third Floor Slab, Family Block)  | Dharampura District, |                                 |
|         | Our Ref. No. CL/CED/ 2300 Dated:   | 05-07-23             | Test Specification              |
|         | Your Ref. No. 3341 Dated:  | 21/6/2023            | (ASTM C39)                      |

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# **COMPRESSION TEST REPORT**

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

| Specimens received on: |          | 23/6/2023 Tested on: |   | 05-07-23 ir |              | in dry/wet condition       |                            |                                  | F.<br>D                        | ies de la                   |                             |              |
|------------------------|----------|----------------------|---|-------------|--------------|----------------------------|----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|--------------|
| Sr. No.                | Mark*    | Casting Date*        |   |             | Size<br>(in) | Wet<br>Weight<br>(Kg/ gms) | Dry<br>Weight<br>(Kg/ gms) | Area of<br>X-Section<br>(Sq. in) | Ultimate<br>Ioad<br>(Imp.Tons) | Ultimate<br>Stress<br>(psi) | Water<br>Absorpti<br>on (%) | Remarks      |
| 1                      | 3000 Psi | 23                   | 5 | 2023        | 6Diax12      |                            | 13                         | 28.28                            | 53                             | 4198                        |                             | Non Engraved |
| 2                      | 3000 Psi | 23                   | 5 | 2023        | 6Diax12      |                            | 13.4                       | 28.28                            | 59                             | 4673                        |                             | Non Engraved |
| 3                      | 3000 Psi | 23                   | 5 | 2023        | 6Diax12      |                            | 12.8                       | 28.28                            | 55                             | 4356                        |                             | Non Engraved |
| 4                      |          |                      |   |             |              |                            |                            |                                  |                                |                             |                             |              |
| 5                      |          |                      |   |             |              |                            |                            |                                  |                                |                             |                             |              |
| 6                      |          |                      |   |             |              |                            |                            |                                  |                                |                             |                             |              |
| 7                      |          |                      |   |             |              |                            |                            |                                  |                                |                             |                             |              |
| 8                      |          |                      |   |             |              |                            |                            |                                  |                                |                             |                             |              |
| 9                      |          |                      |   |             |              |                            |                            |                                  |                                |                             |                             |              |
| 10                     |          |                      |   |             |              |                            |                            |                                  |                                |                             |                             |              |
| 11                     |          |                      |   |             |              |                            |                            |                                  |                                |                             |                             |              |
| 12                     |          |                      |   |             |              |                            |                            |                                  |                                |                             |                             |              |
| 13                     |          |                      |   |             |              |                            |                            |                                  |                                |                             |                             |              |
| 14                     |          |                      |   |             |              |                            |                            |                                  |                                |                             |                             |              |
| 15                     |          |                      |   |             |              |                            |                            |                                  |                                |                             |                             |              |
| 16                     |          |                      |   |             |              |                            |                            |                                  |                                |                             |                             |              |
| Witnessed by:          |          |                      |   |             |              |                            |                            |                                  |                                |                             |                             |              |

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

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

 $\underline{\textbf{Note:}}$  Above results pertain to the unsealed samples supplied to the laboratory

|     | - Internet   | Gan               |           |                                 |
|-----|--|-------------------|-----------|---------------------------------|
|     | ORIGINAL<br>A carbon copy for  |                   |           |                                 |
|     | Civil Engineering Depart   | ment              |           | the report has been retained in |
|     | University of Engineering and Technology, La   | hore. Pakistan    |           | the lab for record.             |
|     | Landline: 042-99029245 & 042-99029202 M  | obile: 0307-04968 | 95        |                                 |
|     | 24HDR  | E P               |           | 5472<br>Dr. Umbreen             |
| To: | Sub Divisional Officer   |                   |           |                                 |
|     | Buildings Sub Division No. 15, Lahore  |                   |           |                                 |
|     | Project: Construction of Bachelor Accommodation and Judici<br>Lahore. (Columns, Basement (i) Bachelor Block) |                   |           |                                 |
|     | Our Ref. No. CL/CED/ 2301  | Dated:            | 05-07-23  | Test Specification              |
|     | Your Ref. No. 3343   | Dated:            | 21/6/2023 | (ASTM C39)                      |

IN FERIDA

# **COMPRESSION TEST REPORT**

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

| Specimens received on: |          | 2         | 23/6/2023 Tested on: |               | 05-07-23     |                            | in dry/wet condition       |                                  |                                |      | ie de la companya de |              |
|------------------------|----------|-----------|----------------------|---------------|--------------|----------------------------|----------------------------|----------------------------------|--------------------------------|------|--|--------------|
| 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) |      | Water<br>Absorpti<br>on (%)  | Remarks      |
| 1                      | 5000 Psi | 25        | 5                    | 2023          | 6Diax12      |                            | 13.6                       | 28.28                            | 79                             | 6257 |  | Non Engraved |
| 2                      | 5000 Psi | 25        | 5                    | 2023          | 6Diax12      |                            | 13.4                       | 28.28                            | 81                             | 6416 |  | Non Engraved |
| 3                      | 5000 Psi | 25        | 5                    | 2023          | 6Diax12      |                            | 13.2                       | 28.28                            | 69                             | 5465 |  | Non Engraved |
| 4                      |          |           |                      |               |              |                            |                            |                                  |                                |      |  |              |
| 5                      |          |           |                      |               |              |                            |                            |                                  |                                |      |  |              |
| 6                      |          |           |                      |               |              |                            |                            |                                  |                                |      |  |              |
| 7                      |          |           |                      |               |              |                            |                            |                                  |                                |      |  |              |
| 8                      |          |           |                      |               |              |                            |                            |                                  |                                |      |  |              |
| 9                      |          |           |                      |               |              |                            |                            |                                  |                                |      |  |              |
| 10                     |          |           |                      |               |              |                            |                            |                                  |                                |      |  |              |
| 11                     |          |           |                      |               |              |                            |                            |                                  |                                |      |  |              |
| 12                     |          |           |                      |               |              |                            |                            |                                  |                                |      |  |              |
| 13                     |          |           |                      |               |              |                            |                            |                                  |                                |      |  |              |
| 14                     |          |           |                      |               |              |                            |                            |                                  |                                |      |  |              |
| 15                     |          |           |                      |               |              |                            |                            |                                  |                                |      |  |              |
| 16                     |          |           |                      |               |              |                            |                            |                                  |                                |      |  |              |
| Witnessed by:          |          |           |                      |               |              |                            |                            |                                  |                                |      |  |              |

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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

 $\underline{\textbf{Note:}}$  Above results pertain to the unsealed samples supplied to the laboratory

|     | - Eliterative   | 200            |                      |                                 |
|-----|---|----------------|----------------------|---------------------------------|
|     | Plain and Reinforced Concre   | te Labo        | ratory               | ORIGINAL<br>A carbon copy for   |
|     | Civil Engineering Departm   | ent            |                      | the report has been retained in |
| -   | University of Engineering and Technology, Laho  | re. Pakistan   |                      | the lab for record.             |
|     | Landline: 042-99029245 & 042-99029202 Mobi  | le: 0307-04968 | 95                   |                                 |
|     | AHORE   |                |                      | 5472<br>Dr. Umbreen             |
| To: | Sub Divisional Officer<br>Buildings Sub Division No. 15, Lahore   |                |                      |                                 |
|     | Project: Construction of Bachelor Accommodation and Judicial F<br>Lahore. (Retaining Wall, Basement (i) Bachelor Block) | Rest House at  | Dharampura District, |                                 |
|     | Our Ref. No. CL/CED/ 2302   | Dated:         | 05-07-23             | Test Specification              |
|     | Your Ref. No. 3345  | Dated:         | 21/6/2023            | (ASTM C39)                      |

ANTERIDO A

# **COMPRESSION TEST REPORT**

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

| Specimens received on: |          | 23/6/2023 Tested on: |   | 05-07-23      |              | in dry/wet condition       |                            |                                  |                                | iester, |                             |              |
|------------------------|----------|----------------------|---|---------------|--------------|----------------------------|----------------------------|----------------------------------|--------------------------------|---------|-----------------------------|--------------|
| 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>Ioad<br>(Imp.Tons) |         | Water<br>Absorpti<br>on (%) | Remarks      |
| 1                      | 5000 Psi | 25                   | 5 | 2023          | 6Diax12      |                            | 13.6                       | 28.28                            | 88                             | 6970    |                             | Non Engraved |
| 2                      | 5000 Psi | 25                   | 5 | 2023          | 6Diax12      |                            | 13.8                       | 28.28                            | 59                             | 4673    |                             | Non Engraved |
| 3                      | 5000 Psi | 25                   | 5 | 2023          | 6Diax12      |                            | 13.2                       | 28.28                            | 83                             | 6574    |                             | Non Engraved |
| 4                      |          |                      |   |               |              |                            |                            |                                  |                                |         |                             |              |
| 5                      |          |                      |   |               |              |                            |                            |                                  |                                |         |                             |              |
| 6                      |          |                      |   |               |              |                            |                            |                                  |                                |         |                             |              |
| 7                      |          |                      |   |               |              |                            |                            |                                  |                                |         |                             |              |
| 8                      |          |                      |   |               |              |                            |                            |                                  |                                |         |                             |              |
| 9                      |          |                      |   |               |              |                            |                            |                                  |                                |         |                             |              |
| 10                     |          |                      |   |               |              |                            |                            |                                  |                                |         |                             |              |
| 11                     |          |                      |   |               |              |                            |                            |                                  |                                |         |                             |              |
| 12                     |          |                      |   |               |              |                            |                            |                                  |                                |         |                             |              |
| 13                     |          |                      |   |               |              |                            |                            |                                  |                                |         |                             |              |
| 14                     |          |                      |   |               |              |                            |                            |                                  |                                |         |                             |              |
| 15                     |          |                      |   |               |              |                            |                            |                                  |                                |         |                             |              |
| 16                     |          |                      |   |               |              |                            |                            |                                  |                                |         |                             |              |
| Witnessed by:          |          |                      |   |               |              |                            |                            |                                  |                                |         |                             |              |

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

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 $\underline{\textbf{Note:}}$  Above results pertain to the unsealed samples supplied to the laboratory