



**Plain and Reinforced Concrete Laboratory**  
**Department of Civil Engineering**  
University of Engineering and Technology, Lahore  
Phone Nos. 042-99029202, 042-99029217

1170  
Dr. Mazar

**To: Mr. Umair Maqsood**  
**Sub Divisional Officer**  
**Project: Construction of 60-No Staff Quarters (Grade 01 to 10) at MPA,S Hostel, Lahore. (ADP No.3429 for the Year of 2020-21)**

Our Ref. No. CL/CED/ 3008 Dated: 05-05-21

Your Ref. No. No.302 Dated: 21-04-21

## COMPRESSION TEST REPORT

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

Specimens received on: 30-04-21 Tested on: 03-05-21 in dry/wet condition

| Sr. No. | Mark*             | Casting Date*     |   |      | Size (in) | Weight (lbs./gms) | Area of X-Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks  |
|---------|-------------------|-------------------|---|------|-----------|-------------------|----------------------------|--------------------------|-----------------------|----------|
|         |                   | /Wet Weight (gms) |   |      |           |                   |                            |                          |                       |          |
| 1       | Columns (1:1.5:3) | 2                 | 1 | 2021 | 6x6x6     | 8.4               | 36                         | 106                      | 6600                  | Engraved |
| 2       | Columns (1:1.5:3) | 2                 | 1 | 2021 | 6x6x6     | 8.4               | 36                         | 116                      | 7220                  | Engraved |
| 3       |                   |                   |   |      |           |                   |                            |                          |                       |          |
| 4       |                   |                   |   |      |           |                   |                            |                          |                       |          |
| 5       |                   |                   |   |      |           |                   |                            |                          |                       |          |
| 6       |                   |                   |   |      |           |                   |                            |                          |                       |          |
| 7       |                   |                   |   |      |           |                   |                            |                          |                       |          |
| 8       |                   |                   |   |      |           |                   |                            |                          |                       |          |
| 9       |                   |                   |   |      |           |                   |                            |                          |                       |          |
| 10      |                   |                   |   |      |           |                   |                            |                          |                       |          |
| 11      |                   |                   |   |      |           |                   |                            |                          |                       |          |
| 12      |                   |                   |   |      |           |                   |                            |                          |                       |          |
| 13      |                   |                   |   |      |           |                   |                            |                          |                       |          |
| 14      |                   |                   |   |      |           |                   |                            |                          |                       |          |
| 15      |                   |                   |   |      |           |                   |                            |                          |                       |          |
| 16      |                   |                   |   |      |           |                   |                            |                          |                       |          |

Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6)

\* as engraved on the specimens (if any)

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

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

\*\*\*\* ACI318-08 requires mean of two sample (6" dia x 12" cylinder) strength at 28 days as compressive strength

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

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

**supervisor(lab)**

**Director/Dy. Director Concrete Laboratory**



**Plain and Reinforced Concrete Laboratory**  
**Department of Civil Engineering**  
University of Engineering and Technology, Lahore  
Phone Nos. 042-99029202, 042-99029217

1170  
Dr. Mazar

**To: Mr. Umair Maqsood**  
**Sub Divisional Officer**  
**Project: Construction of 60-No Staff Quarters (Grade 01 to 10) at MPA,S Hostel, Lahore. (ADP No.3429 for the Year of 2020-21)**

Our Ref. No. CL/CED/ 3009 Dated: 05-05-21

Your Ref. No. No.301 Dated: 21-04-21

## COMPRESSION TEST REPORT

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

Specimens received on: 30-04-21 Tested on: 03-05-21 in dry/wet condition

| Sr. No. | Mark*            | Casting Date* |       |      | Size (in) | Weight (lbs./gms) | Area of X-Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks  |
|---------|------------------|---------------|-------|------|-----------|-------------------|----------------------------|--------------------------|-----------------------|----------|
|         |                  | Day           | Month | Year |           |                   |                            |                          |                       |          |
| 1       | Column (1:1.5:3) | 22            | 11    | 2021 | 6x6x6     | 8.6               | 36                         | 148                      | 9210                  | Engraved |
| 2       | Column (1:1.5:3) | 22            | 11    | 2021 | 6x6x6     | 9                 | 36                         | 108                      | 6720                  | Engraved |
| 3       |                  |               |       |      |           |                   |                            |                          |                       |          |
| 4       |                  |               |       |      |           |                   |                            |                          |                       |          |
| 5       |                  |               |       |      |           |                   |                            |                          |                       |          |
| 6       |                  |               |       |      |           |                   |                            |                          |                       |          |
| 7       |                  |               |       |      |           |                   |                            |                          |                       |          |
| 8       |                  |               |       |      |           |                   |                            |                          |                       |          |
| 9       |                  |               |       |      |           |                   |                            |                          |                       |          |
| 10      |                  |               |       |      |           |                   |                            |                          |                       |          |
| 11      |                  |               |       |      |           |                   |                            |                          |                       |          |
| 12      |                  |               |       |      |           |                   |                            |                          |                       |          |
| 13      |                  |               |       |      |           |                   |                            |                          |                       |          |
| 14      |                  |               |       |      |           |                   |                            |                          |                       |          |
| 15      |                  |               |       |      |           |                   |                            |                          |                       |          |
| 16      |                  |               |       |      |           |                   |                            |                          |                       |          |

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

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**supervisor(lab)**

**Director/Dy. Director Concrete Laboratory**



**Plain and Reinforced Concrete Laboratory**  
**Department of Civil Engineering**  
University of Engineering and Technology, Lahore  
Phone Nos. 042-99029202, 042-99029217

1175

Dr. Umbreen

**To: Mr. Mujib Ur Rehman (Principal Architect)**  
**M/s Sustainable Design Solutions (Pvt.) Ltd. Lahore.**  
**Project: Construction of (First Floor Slab) 37-CCA Commercial at Phase-5, DHA, Lahore.**

Our Ref. No. CL/CED/ 3010 Dated: 05-05-21

Your Ref. No. No.SDS-1292020-08 Dated: 29-04-21

## COMPRESSION TEST REPORT

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

Specimens received on: 30-04-21 Tested on: 04-05-21 in dry/wet condition

| Sr. No. | Mark*            | Casting Date*        |   |      | Size<br>(in) | Weight<br>(lbs./gms) | Area of<br>X-Section<br>(Sq. in) | Ultimate<br>load<br>(Tons/lbs) | Ultimate<br>Stress<br>(Psi) | Remarks  |
|---------|------------------|----------------------|---|------|--------------|----------------------|----------------------------------|--------------------------------|-----------------------------|----------|
|         |                  | /Wet Weight<br>(gms) |   |      |              |                      |                                  |                                |                             |          |
| 1       | First Floor Slab | 27                   | 3 | 2021 | 6Diax12      | 14                   | 28.28                            | 43                             | 3410                        | Engraved |
| 2       | First Floor Slab | 27                   | 3 | 2021 | 6Diax12      | 14                   | 28.28                            | 41                             | 3250                        | Engraved |
| 3       |                  |                      |   |      |              |                      |                                  |                                |                             |          |
| 4       |                  |                      |   |      |              |                      |                                  |                                |                             |          |
| 5       |                  |                      |   |      |              |                      |                                  |                                |                             |          |
| 6       |                  |                      |   |      |              |                      |                                  |                                |                             |          |
| 7       |                  |                      |   |      |              |                      |                                  |                                |                             |          |
| 8       |                  |                      |   |      |              |                      |                                  |                                |                             |          |
| 9       |                  |                      |   |      |              |                      |                                  |                                |                             |          |
| 10      |                  |                      |   |      |              |                      |                                  |                                |                             |          |
| 11      |                  |                      |   |      |              |                      |                                  |                                |                             |          |
| 12      |                  |                      |   |      |              |                      |                                  |                                |                             |          |
| 13      |                  |                      |   |      |              |                      |                                  |                                |                             |          |
| 14      |                  |                      |   |      |              |                      |                                  |                                |                             |          |
| 15      |                  |                      |   |      |              |                      |                                  |                                |                             |          |
| 16      |                  |                      |   |      |              |                      |                                  |                                |                             |          |

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**supervisor(lab)**

**Director/Dy. Director Concrete Laboratory**



**Plain and Reinforced Concrete Laboratory**  
**Department of Civil Engineering**  
University of Engineering and Technology, Lahore  
Phone Nos. 042-99029202, 042-99029217

1175

Dr. Umbreen

To: **Mr. Mujib Ur Rehman (Principal Architect)**

**M/s Sustainable Design Solutions (Pvt.) Ltd. Lahore.**

**Project: Construction of (First Floor Slab) 38-CCA Commercial at Phase-5, DHA, Lahore.**

Our Ref. No. CL/CED/ 3011 Dated: 05-05-21

Your Ref. No. No.SDS-1292020-07 Dated: 29-04-21

## COMPRESSION TEST REPORT

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

Specimens received on: 30-04-21 Tested on: 04-05-21 in dry/wet condition

| Sr. No. | Mark*            | Casting Date*       |   |      | Size<br>(in) | Weight<br>(lbs./gms) | Area of<br>X-Section<br>(Sq. in) | Ultimate<br>load<br>(Tons/lbs) | Ultimate<br>Stress<br>(Psi) | Remarks  |
|---------|------------------|---------------------|---|------|--------------|----------------------|----------------------------------|--------------------------------|-----------------------------|----------|
|         |                  | Wet Weight<br>(gms) |   |      |              |                      |                                  |                                |                             |          |
| 1       | First Floor Slab | 22                  | 3 | 2021 | 6Diax12      | 14                   | 28.28                            | 36                             | 2860                        | Engraved |
| 2       | First Floor Slab | 22                  | 3 | 2021 | 6Diax12      | 14                   | 28.28                            | 61                             | 4840                        | Engraved |
| 3       |                  |                     |   |      |              |                      |                                  |                                |                             |          |
| 4       |                  |                     |   |      |              |                      |                                  |                                |                             |          |
| 5       |                  |                     |   |      |              |                      |                                  |                                |                             |          |
| 6       |                  |                     |   |      |              |                      |                                  |                                |                             |          |
| 7       |                  |                     |   |      |              |                      |                                  |                                |                             |          |
| 8       |                  |                     |   |      |              |                      |                                  |                                |                             |          |
| 9       |                  |                     |   |      |              |                      |                                  |                                |                             |          |
| 10      |                  |                     |   |      |              |                      |                                  |                                |                             |          |
| 11      |                  |                     |   |      |              |                      |                                  |                                |                             |          |
| 12      |                  |                     |   |      |              |                      |                                  |                                |                             |          |
| 13      |                  |                     |   |      |              |                      |                                  |                                |                             |          |
| 14      |                  |                     |   |      |              |                      |                                  |                                |                             |          |
| 15      |                  |                     |   |      |              |                      |                                  |                                |                             |          |
| 16      |                  |                     |   |      |              |                      |                                  |                                |                             |          |

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**supervisor(lab)**

**Director/Dy. Director Concrete Laboratory**



**Plain and Reinforced Concrete Laboratory**  
**Department of Civil Engineering**  
University of Engineering and Technology, Lahore  
Phone Nos. 042-99029202, 042-99029217

1181

Dr. Nauman

To: Dy. Director (Engineering)

Rawalpindi Development Authority ( M/s Hussain Mehdi Brothers (Pvt.) Ltd.

Project: Dualization of Qadeer Khan Road from Islamabad Highway (Misail Chock) to Falcon Complex, Rawalpindi.

Our Ref. No. CL/CED/

3012 of 1

Dated:

05-05-21

Your Ref. No.

RDA/DD/221/Rm/2

Dated:

23-04-21

## COMPRESSION TEST REPORT

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

Specimens received on:

30-05-21

Tested on:

04-05-21

in dry/wet condition

| Sr. No. | Mark*            | Casting Date*<br>/Wet Weight<br>(gms) | Size<br>(in) | Weight<br>(lbs./gms) | Area of X-Section<br>(Sq. in) | Ultimate load<br>(Tons/lbs) | Ultimate Stress<br>(Psi) | Remarks |
|---------|------------------|---------------------------------------|--------------|----------------------|-------------------------------|-----------------------------|--------------------------|---------|
| 1       | Rectangular Grey |                                       | 7.8x3.9x2.0  | 2381                 | 30.42                         | 124                         | 9140                     |         |
| 2       | Rectangular Grey |                                       | 7.8x3.9x2.0  | 2418                 | 30.42                         | 132                         | 9720                     |         |
| 3       | Rectangular Grey |                                       | 7.8x3.9x2.0  | 2373                 | 30.42                         | 120                         | 8840                     |         |
| 4       | Rectangular Red  |                                       | 7.8x3.9x2.0  | 2316                 | 30.42                         | 114                         | 8400                     |         |
| 5       | Rectangular Red  |                                       | 7.8x3.9x2.0  | 2332                 | 30.42                         | 80                          | 5900                     |         |
| 6       | Rectangular Red  |                                       | 7.8x3.9x2.0  | 2336                 | 30.42                         | 124                         | 9140                     |         |
| 7       |                  |                                       |              |                      |                               |                             |                          |         |
| 8       |                  |                                       |              |                      |                               |                             |                          |         |
| 9       |                  |                                       |              |                      |                               |                             |                          |         |
| 10      |                  |                                       |              |                      |                               |                             |                          |         |
| 11      |                  |                                       |              |                      |                               |                             |                          |         |
| 12      |                  |                                       |              |                      |                               |                             |                          |         |
| 13      |                  |                                       |              |                      |                               |                             |                          |         |
| 14      |                  |                                       |              |                      |                               |                             |                          |         |
| 15      |                  |                                       |              |                      |                               |                             |                          |         |
| 16      |                  |                                       |              |                      |                               |                             |                          |         |

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supervisor(lab)

Director/Dy. Director Concrete Laboratory



**Plain and Reinforced Concrete Laboratory**  
**Department of Civil Engineering**  
University of Engineering and Technology, Lahore  
Phone Nos. 042-99029202, 042-99029217

1181

Dr. Mazar

To: **Dy. Director (Engineering)**

**Rawalpindi Development Authority ( M/s Hussain Mehdi Brothers (Pvt.) Ltd.**

**Project: Dualization of Qadeer Khan Road from Islamabad Highway (Misail Chock) to Falcon Complex, Rawalpindi.**

Our Ref. No. CL/CED/ 3012 of 1 Dated: 05-05-21

Your Ref. No. RDA/DD/221/Rm/2 Dated: 23-04-21

## COMPRESSION TEST REPORT

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

Specimens received on: 30-05-21 Tested on: 04-05-21 in dry/wet condition

| Sr. No. | Mark*      | Casting Date*<br>/Wet Weight<br>(gms) | Size<br>(in) | Weight<br>(lbs./gms) | Area of<br>X-<br>Section<br>(Sq. in) | Ultimate<br>load<br>(Tons/lbs) | Ultimate<br>Stress<br>(Psi) | Remarks |
|---------|------------|---------------------------------------|--------------|----------------------|--------------------------------------|--------------------------------|-----------------------------|---------|
| 1       | Kerb Stone |                                       | 6x6x6        | 7.4                  | 36                                   | 19                             | 1190                        |         |
| 2       | Kerb Stone |                                       | 6x6x6        | 7.4                  | 36                                   | 31                             | 1930                        |         |
| 3       |            |                                       |              |                      |                                      |                                |                             |         |
| 4       |            |                                       |              |                      |                                      |                                |                             |         |
| 5       |            |                                       |              |                      |                                      |                                |                             |         |
| 6       |            |                                       |              |                      |                                      |                                |                             |         |
| 7       |            |                                       |              |                      |                                      |                                |                             |         |
| 8       |            |                                       |              |                      |                                      |                                |                             |         |
| 9       |            |                                       |              |                      |                                      |                                |                             |         |
| 10      |            |                                       |              |                      |                                      |                                |                             |         |
| 11      |            |                                       |              |                      |                                      |                                |                             |         |
| 12      |            |                                       |              |                      |                                      |                                |                             |         |
| 13      |            |                                       |              |                      |                                      |                                |                             |         |
| 14      |            |                                       |              |                      |                                      |                                |                             |         |
| 15      |            |                                       |              |                      |                                      |                                |                             |         |
| 16      |            |                                       |              |                      |                                      |                                |                             |         |

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\* as engraved on the specimens (if any)

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

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**supervisor(lab)**

**Director/Dy. Director Concrete Laboratory**



**Plain and Reinforced Concrete Laboratory**  
**Department of Civil Engineering**  
University of Engineering and Technology, Lahore  
Phone Nos. 042-99029202, 042-99029217

1180

Dr. Nauman

To: **Engr. Asif Raza (Resident Engineer)**

**Allied Engineering Consulting Services**

**Project: Establishment of Mother & Child Block in Sir Ganga Ram Hospital Lahore, (Group No.1)**

Our Ref. No. CL/CED/ 3013 Dated: 05-05-21

Your Ref. No. AEC/MBC/2021/20a Dated: 19-04-21

## COMPRESSION TEST REPORT

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

Specimens received on: 03-05-21 Tested on: 04-05-21 in dry/wet condition

| Sr. No. | Mark*               | Casting Date*     |   |      | Size (in) | Weight (lbs./gms) | Area of X-Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks      |
|---------|---------------------|-------------------|---|------|-----------|-------------------|----------------------------|--------------------------|-----------------------|--------------|
|         |                     | /Wet Weight (gms) |   |      |           |                   |                            |                          |                       |              |
| 1       | Lift Well (1:1.5:3) | 13                | 3 | 2021 | 6x6x6     | 9.2               | 36                         | 108                      | 6720                  | Non Engraved |
| 2       | Lift Well (1:1.5:3) | 13                | 3 | 2021 | 6x6x6     | 9.2               | 36                         | 120                      | 7470                  | Non Engraved |
| 3       | Lift Well (1:1.5:3) | 13                | 3 | 2021 | 6x6x6     | 9                 | 36                         | 114                      | 7100                  | Non Engraved |
| 4       |                     |                   |   |      |           |                   |                            |                          |                       |              |
| 5       |                     |                   |   |      |           |                   |                            |                          |                       |              |
| 6       |                     |                   |   |      |           |                   |                            |                          |                       |              |
| 7       |                     |                   |   |      |           |                   |                            |                          |                       |              |
| 8       |                     |                   |   |      |           |                   |                            |                          |                       |              |
| 9       |                     |                   |   |      |           |                   |                            |                          |                       |              |
| 10      |                     |                   |   |      |           |                   |                            |                          |                       |              |
| 11      |                     |                   |   |      |           |                   |                            |                          |                       |              |
| 12      |                     |                   |   |      |           |                   |                            |                          |                       |              |
| 13      |                     |                   |   |      |           |                   |                            |                          |                       |              |
| 14      |                     |                   |   |      |           |                   |                            |                          |                       |              |
| 15      |                     |                   |   |      |           |                   |                            |                          |                       |              |
| 16      |                     |                   |   |      |           |                   |                            |                          |                       |              |

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**supervisor(lab)**

**Director/Dy. Director Concrete Laboratory**



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University of Engineering and Technology, Lahore  
Phone Nos. 042-99029202, 042-99029217

To: **Mr. Waqas Munir (Admin Manager)**  
**M/s Zimbis Knitwears( Pvt.) Ltd.**  
**Project: Nil**

1171  
Dr.Umbreen

Our Ref. No. CL/CED/ 3014 Dated: 05-05-21  
Your Ref. No. Nil Dated: 30-04-21

## COMPRESSION TEST REPORT

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

Specimens received on: 30-04-21 Tested on: 04-05-21 in dry/wet condition

| Sr. No. | Mark* | Casting Date* |     |      | Size<br>(in) | Weight<br>(lbs./gms) | Area of<br>X-Section<br>(Sq. in) | Ultimate<br>load<br>(Tons/lbs) | Ultimate<br>Stress<br>(Psi) | Remarks      |
|---------|-------|---------------|-----|------|--------------|----------------------|----------------------------------|--------------------------------|-----------------------------|--------------|
|         |       | Month         | Day | Year |              |                      |                                  |                                |                             |              |
| 1       |       | 3             | 4   | 2021 | 6Diax12      | 14.2                 | 28.28                            | 41                             | 3250                        | Non Engraved |
| 2       |       | 3             | 4   | 2021 | 6Diax12      | 14                   | 28.28                            | 43                             | 3410                        | Non Engraved |
| 3       |       | 3             | 4   | 2021 | 6Diax12      | 14.2                 | 28.28                            | 42                             | 3330                        | Non Engraved |
| 4       |       |               |     |      |              |                      |                                  |                                |                             |              |
| 5       |       |               |     |      |              |                      |                                  |                                |                             |              |
| 6       |       |               |     |      |              |                      |                                  |                                |                             |              |
| 7       |       |               |     |      |              |                      |                                  |                                |                             |              |
| 8       |       |               |     |      |              |                      |                                  |                                |                             |              |
| 9       |       |               |     |      |              |                      |                                  |                                |                             |              |
| 10      |       |               |     |      |              |                      |                                  |                                |                             |              |
| 11      |       |               |     |      |              |                      |                                  |                                |                             |              |
| 12      |       |               |     |      |              |                      |                                  |                                |                             |              |
| 13      |       |               |     |      |              |                      |                                  |                                |                             |              |
| 14      |       |               |     |      |              |                      |                                  |                                |                             |              |
| 15      |       |               |     |      |              |                      |                                  |                                |                             |              |
| 16      |       |               |     |      |              |                      |                                  |                                |                             |              |

Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/departament?RID=testing\\_reports&id=6](http://www.uet.edu.pk/faculties/facultiesinfo/departament?RID=testing_reports&id=6)

\* as engraved on the specimens (if any)

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

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

\*\*\*\* 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

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

**supervisor(lab)**

**Director/Dy. Director Concrete Laboratory**





**Plain and Reinforced Concrete Laboratory**  
**Department of Civil Engineering**  
University of Engineering and Technology, Lahore  
Phone Nos. 042-99029202, 042-99029217

1164

Dr.Umbreen

**To: Mr. Farrukh Jamal (Projects Manager)**  
**M/s UNICON Consulting Services(Pvt.) Ltd.**  
**Project: Construction of MCB Wahdat Road Branch, Lahore.**

Our Ref. No. CL/CED/ 3015 Dated: 05-05-21

Your Ref. No. Nil Dated: 29-04-21

## COMPRESSION TEST REPORT

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

Specimens received on: 29-04-21 Tested on: 04-05-21 in dry/wet condition

| Sr. No. | Mark*                  | Casting Date*       |   |      | Size<br>(in) | Weight<br>(lbs./gms) | Area of<br>X-Section<br>(Sq. in) | Ultimate<br>load<br>(Tons/lbs) | Ultimate<br>Stress<br>(Psi) | Remarks      |
|---------|------------------------|---------------------|---|------|--------------|----------------------|----------------------------------|--------------------------------|-----------------------------|--------------|
|         |                        | Wet Weight<br>(gms) |   |      |              |                      |                                  |                                |                             |              |
| 1       | Columns/Plinth<br>Beam | 31                  | 3 | 2021 | 6x6x6        | 8.2                  | 36                               | 90                             | 5600                        | Non Engraved |
| 2       | Columns/Plinth<br>Beam | 31                  | 3 | 2021 | 6x6x6        | 8.6                  | 36                               | 94                             | 5850                        | Non Engraved |
| 3       |                        |                     |   |      |              |                      |                                  |                                |                             |              |
| 4       |                        |                     |   |      |              |                      |                                  |                                |                             |              |
| 5       |                        |                     |   |      |              |                      |                                  |                                |                             |              |
| 6       |                        |                     |   |      |              |                      |                                  |                                |                             |              |
| 7       |                        |                     |   |      |              |                      |                                  |                                |                             |              |
| 8       |                        |                     |   |      |              |                      |                                  |                                |                             |              |
| 9       |                        |                     |   |      |              |                      |                                  |                                |                             |              |
| 10      |                        |                     |   |      |              |                      |                                  |                                |                             |              |
| 11      |                        |                     |   |      |              |                      |                                  |                                |                             |              |
| 12      |                        |                     |   |      |              |                      |                                  |                                |                             |              |
| 13      |                        |                     |   |      |              |                      |                                  |                                |                             |              |
| 14      |                        |                     |   |      |              |                      |                                  |                                |                             |              |
| 15      |                        |                     |   |      |              |                      |                                  |                                |                             |              |
| 16      |                        |                     |   |      |              |                      |                                  |                                |                             |              |

Results can also be seen on website

[http://www.uet.edu.pk/faculties/facultiesinfo/departments?RID=testing\\_reports&id=6](http://www.uet.edu.pk/faculties/facultiesinfo/departments?RID=testing_reports&id=6)

\* as engraved on the specimens (if any)

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

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

\*\*\*\* ACI318-08 requires mean of two sample (6" dia x 12" cylinder) strength at 28 days as compressive strength

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

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

supervisor(lab)

Director/Dy. Director Concrete Laboratory



# Plain and Reinforced Concrete Laboratory

## Department of Civil Engineering

University of Engineering and Technology, Lahore

Phone Nos. 042-99029202, 042-99029217

1156

Dr.Umbreen

To: Sub Divisional Officer (Buildings)

Sub Division Ferozwala.

Project: Construction of Judicial Academy at Lahore Kala Shah Kaku, Lahore., (ADP No. 3072/2020-21)

Phase II Group No: 2

Our Ref. No. CL/CED/

3016

Dated:

05-05-21

Your Ref. No.

No.1027

Dated:

29-04-21

## COMPRESSION TEST REPORT

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

Specimens received on: 29-04-21 Tested on: 04-05-21 in dry/wet condition

| Sr. No. | Mark*                              | Casting Date* |     |      | Size<br>(in) | Weight<br>(lbs./gms) | Area of<br>X-Section<br>(Sq. in) | Ultimate<br>load<br>(Tons/lbs) | Ultimate<br>Stress<br>(Psi) | Remarks      |
|---------|------------------------------------|---------------|-----|------|--------------|----------------------|----------------------------------|--------------------------------|-----------------------------|--------------|
|         |                                    | Month         | Day | Year |              |                      |                                  |                                |                             |              |
| 1       | RCC of Footing<br>Roof Slab(1:2:4) | 25            | 3   | 2021 | 6x6x6        | 8.8                  | 36                               | 61                             | 3800                        | Non Engraved |
| 2       | RCC of Footing<br>Roof Slab(1:2:4) | 25            | 3   | 2021 | 6x6x6        | 8.6                  | 36                               | 63                             | 3920                        | Non Engraved |
| 3       | RCC of Footing<br>Roof Slab(1:2:4) | 25            | 3   | 2021 | 6x6x6        | 8.6                  | 36                               | 65                             | 4050                        | Non Engraved |
| 4       |                                    |               |     |      |              |                      |                                  |                                |                             |              |
| 5       |                                    |               |     |      |              |                      |                                  |                                |                             |              |
| 6       |                                    |               |     |      |              |                      |                                  |                                |                             |              |
| 7       |                                    |               |     |      |              |                      |                                  |                                |                             |              |
| 8       |                                    |               |     |      |              |                      |                                  |                                |                             |              |
| 9       |                                    |               |     |      |              |                      |                                  |                                |                             |              |
| 10      |                                    |               |     |      |              |                      |                                  |                                |                             |              |
| 11      |                                    |               |     |      |              |                      |                                  |                                |                             |              |
| 12      |                                    |               |     |      |              |                      |                                  |                                |                             |              |
| 13      |                                    |               |     |      |              |                      |                                  |                                |                             |              |
| 14      |                                    |               |     |      |              |                      |                                  |                                |                             |              |
| 15      |                                    |               |     |      |              |                      |                                  |                                |                             |              |
| 16      |                                    |               |     |      |              |                      |                                  |                                |                             |              |

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\* as engraved on the specimens (if any)

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

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

\*\*\*\* ACI318-08 requires mean of two sample (6" dia x 12" cylinder) strength at 28 days as compressive strength

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

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

supervisor(lab)

Director/Dy. Director Concrete Laboratory



**Plain and Reinforced Concrete Laboratory**  
**Department of Civil Engineering**  
University of Engineering and Technology, Lahore  
Phone Nos. 042-99029202, 042-99029217

1156

Dr.Umbreen

To: **Sub Divisional Officer (Buildings)**

**Sub Division Ferozwala.**

**Project: Construction of Judicial Academy at Lahore Kala Shah Kaku, Lahore., (ADP No. 3072/2020-21)**  
**Phase II Group No: 2**

Our Ref. No. CL/CED/ 3017 Dated: 05-05-21

Your Ref. No. No.1025 Dated: 29-04-21

## COMPRESSION TEST REPORT

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

Specimens received on: 29-04-21 Tested on: 04-05-21 in dry/wet condition

| Sr. No. | Mark*                              | Casting Date* |     |      | Size<br>(in) | Weight<br>(lbs./gms) | Area of<br>X-Section<br>(Sq. in) | Ultimate<br>load<br>(Tons/lbs) | Ultimate<br>Stress<br>(Psi) | Remarks      |
|---------|------------------------------------|---------------|-----|------|--------------|----------------------|----------------------------------|--------------------------------|-----------------------------|--------------|
|         |                                    | Month         | Day | Year |              |                      |                                  |                                |                             |              |
| 1       | RCC of Footing<br>Roof Slab(1:2:4) | 28            | 3   | 2021 | 6x6x6        | 9                    | 36                               | 61                             | 3800                        | Non Engraved |
| 2       | RCC of Footing<br>Roof Slab(1:2:4) | 28            | 3   | 2021 | 6x6x6        | 9                    | 36                               | 104                            | 6480                        | Non Engraved |
| 3       | RCC of Footing<br>Roof Slab(1:2:4) | 28            | 3   | 2021 | 6x6x6        | 8.6                  | 36                               | 65                             | 4050                        | Non Engraved |
| 4       |                                    |               |     |      |              |                      |                                  |                                |                             |              |
| 5       |                                    |               |     |      |              |                      |                                  |                                |                             |              |
| 6       |                                    |               |     |      |              |                      |                                  |                                |                             |              |
| 7       |                                    |               |     |      |              |                      |                                  |                                |                             |              |
| 8       |                                    |               |     |      |              |                      |                                  |                                |                             |              |
| 9       |                                    |               |     |      |              |                      |                                  |                                |                             |              |
| 10      |                                    |               |     |      |              |                      |                                  |                                |                             |              |
| 11      |                                    |               |     |      |              |                      |                                  |                                |                             |              |
| 12      |                                    |               |     |      |              |                      |                                  |                                |                             |              |
| 13      |                                    |               |     |      |              |                      |                                  |                                |                             |              |
| 14      |                                    |               |     |      |              |                      |                                  |                                |                             |              |
| 15      |                                    |               |     |      |              |                      |                                  |                                |                             |              |
| 16      |                                    |               |     |      |              |                      |                                  |                                |                             |              |

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\* as engraved on the specimens (if any)

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

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

\*\*\*\* ACI318-08 requires mean of two sample (6" dia x 12" cylinder) strength at 28 days as compressive strength

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

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

**supervisor(lab)**

**Director/Dy. Director Concrete Laboratory**



**Plain and Reinforced Concrete Laboratory**  
**Department of Civil Engineering**  
University of Engineering and Technology, Lahore  
Phone Nos. 042-99029202, 042-99029217

1161  
Dr.Umbreen

**To: Mr. Khalid Bashir**  
**Ittefaq Building Solutions ( Pvt.) Ltd. Lahore**  
**Project: Rahim Yar Khan Factory**

Our Ref. No. CL/CED/ 3018 Dated: 05-05-21

Your Ref. No. IBS/MCPV/CT14 Dated: 29-04-21

## COMPRESSION TEST REPORT

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

Specimens received on: 29-04-21 Tested on: 04-05-21 in dry/wet condition

| Sr. No. | Mark*            | Casting Date*<br>/Wet Weight<br>(gms) | Size<br>(in) | Weight<br>(lbs./gms) | Area of<br>X-Section<br>(Sq. in) | Ultimate<br>load<br>(Tons/lbs) | Ultimate<br>Stress<br>(Psi) | Remarks |
|---------|------------------|---------------------------------------|--------------|----------------------|----------------------------------|--------------------------------|-----------------------------|---------|
| 1       | Rectangular Grey |                                       | 7.8x3.8x2.3  | 2641                 | 29.64                            | 116                            | 8770                        |         |
| 2       | Rectangular Grey |                                       | 7.8x3.8x2.3  | 2668                 | 29.64                            | 130                            | 9830                        |         |
| 3       | Rectangular Grey |                                       | 7.8x3.8x2.3  | 2659                 | 29.64                            | 134                            | 10130                       |         |
| 4       | Rectangular Grey |                                       | 7.8x3.8x2.3  | 2649                 | 29.64                            | 124                            | 9380                        |         |
| 5       | Rectangular Grey |                                       | 7.8x3.8x2.3  | 2659                 | 29.64                            | 73                             | 5520                        |         |
| 6       |                  |                                       |              |                      |                                  |                                |                             |         |
| 7       |                  |                                       |              |                      |                                  |                                |                             |         |
| 8       |                  |                                       |              |                      |                                  |                                |                             |         |
| 9       |                  |                                       |              |                      |                                  |                                |                             |         |
| 10      |                  |                                       |              |                      |                                  |                                |                             |         |
| 11      |                  |                                       |              |                      |                                  |                                |                             |         |
| 12      |                  |                                       |              |                      |                                  |                                |                             |         |
| 13      |                  |                                       |              |                      |                                  |                                |                             |         |
| 14      |                  |                                       |              |                      |                                  |                                |                             |         |
| 15      |                  |                                       |              |                      |                                  |                                |                             |         |
| 16      |                  |                                       |              |                      |                                  |                                |                             |         |

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\* as engraved on the specimens (if any)

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

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

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

**supervisor(lab)**

**Director/Dy. Director Concrete Laboratory**



**Plain and Reinforced Concrete Laboratory**  
**Department of Civil Engineering**  
University of Engineering and Technology, Lahore  
Phone Nos. 042-99029202, 042-99029217

1165  
Dr.Umbreen

To: **M/s Stallion (Pvt.) Ltd.**  
**Lahore.**

**Project: Head Office Stallion Pharma Plot # 187/5 D Phase DHA, Lahore.**

Our Ref. No. CL/CED/ 3019 Dated: 05-05-21

Your Ref. No. Nil Dated: 29-04-21

## COMPRESSION TEST REPORT

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

Specimens received on: 29-04-21 Tested on: 04-05-21 in dry/wet condition

| Sr. No. | Mark*             | Casting Date*        |   |      | Size<br>(in) | Weight<br>(lbs./gms) | Area of<br>X-Section<br>(Sq. in) | Ultimate<br>load<br>(Tons/lbs) | Ultimate<br>Stress<br>(Psi) | Remarks      |
|---------|-------------------|----------------------|---|------|--------------|----------------------|----------------------------------|--------------------------------|-----------------------------|--------------|
|         |                   | /Wet Weight<br>(gms) |   |      |              |                      |                                  |                                |                             |              |
| 1       | 4th Floor (1:2:4) | 18                   | 2 | 2021 | 6Diax12      | 14.2                 | 28.28                            | 61                             | 4840                        | Non Engraved |
| 2       | 4th Floor (1:2:4) | 18                   | 2 | 2021 | 6Diax12      | 14                   | 28.28                            | 71                             | 5630                        | Non Engraved |
| 3       | 4th Floor (1:2:4) | 18                   | 2 | 2021 | 6Diax12      | 14.2                 | 28.28                            | 65                             | 5150                        | Non Engraved |
| 4       | Roof Slab (1:2:4) | 4                    | 3 | 2021 | 6Diax12      | 14.2                 | 28.28                            | 65                             | 5150                        | Non Engraved |
| 5       | Roof Slab (1:2:4) | 4                    | 3 | 2021 | 6Diax12      | 14.2                 | 28.28                            | 65                             | 5150                        | Non Engraved |
| 6       | Roof Slab (1:2:4) | 4                    | 3 | 2021 | 6Diax12      | 14.4                 | 28.28                            | 63                             | 4990                        | Non Engraved |
| 7       |                   |                      |   |      |              |                      |                                  |                                |                             |              |
| 8       |                   |                      |   |      |              |                      |                                  |                                |                             |              |
| 9       |                   |                      |   |      |              |                      |                                  |                                |                             |              |
| 10      |                   |                      |   |      |              |                      |                                  |                                |                             |              |
| 11      |                   |                      |   |      |              |                      |                                  |                                |                             |              |
| 12      |                   |                      |   |      |              |                      |                                  |                                |                             |              |
| 13      |                   |                      |   |      |              |                      |                                  |                                |                             |              |
| 14      |                   |                      |   |      |              |                      |                                  |                                |                             |              |
| 15      |                   |                      |   |      |              |                      |                                  |                                |                             |              |
| 16      |                   |                      |   |      |              |                      |                                  |                                |                             |              |

Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6)

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\*\*\*\* 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

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

**supervisor(lab)**

**Director/Dy. Director Concrete Laboratory**



**Plain and Reinforced Concrete Laboratory**  
**Department of Civil Engineering**  
University of Engineering and Technology, Lahore  
Phone Nos. 042-99029202, 042-99029217

1159

Dr.Umbreen

**To: Engr. M. Akbar (CEO)**  
**M/s NAM Associates (Pvt.) Ltd. Lahore.**  
**Project: Construction of MCB Bank Township, Lahore.**

Our Ref. No. CL/CED/ 3020 Dated: 05-05-21

Your Ref. No. NAM-424/15 Dated: 29-04-21

## COMPRESSION TEST REPORT

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

Specimens received on: 29-04-21 Tested on: 04-05-21 in dry/wet condition

| Sr. No. | Mark* | Casting Date*       |   |      | Size<br>(in) | Weight<br>(lbs./gms) | Area of<br>X-<br>Section<br>(Sq. in) | Ultimate<br>load<br>(Tons/lbs) | Ultimate<br>Stress<br>(Psi) | Remarks  |
|---------|-------|---------------------|---|------|--------------|----------------------|--------------------------------------|--------------------------------|-----------------------------|----------|
|         |       | Wet Weight<br>(gms) |   |      |              |                      |                                      |                                |                             |          |
| 1       |       | 18                  | 4 | 2021 | 6Diax12      | 14                   | 28.28                                | 51                             | 4040                        | Engraved |
| 2       |       | 18                  | 4 | 2021 | 6Diax12      | 14.2                 | 28.28                                | 49                             | 3890                        | Engraved |
| 3       |       |                     |   |      |              |                      |                                      |                                |                             |          |
| 4       |       |                     |   |      |              |                      |                                      |                                |                             |          |
| 5       |       |                     |   |      |              |                      |                                      |                                |                             |          |
| 6       |       |                     |   |      |              |                      |                                      |                                |                             |          |
| 7       |       |                     |   |      |              |                      |                                      |                                |                             |          |
| 8       |       |                     |   |      |              |                      |                                      |                                |                             |          |
| 9       |       |                     |   |      |              |                      |                                      |                                |                             |          |
| 10      |       |                     |   |      |              |                      |                                      |                                |                             |          |
| 11      |       |                     |   |      |              |                      |                                      |                                |                             |          |
| 12      |       |                     |   |      |              |                      |                                      |                                |                             |          |
| 13      |       |                     |   |      |              |                      |                                      |                                |                             |          |
| 14      |       |                     |   |      |              |                      |                                      |                                |                             |          |
| 15      |       |                     |   |      |              |                      |                                      |                                |                             |          |
| 16      |       |                     |   |      |              |                      |                                      |                                |                             |          |

Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6)

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

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

**supervisor(lab)**

**Director/Dy. Director Concrete Laboratory**



**Plain and Reinforced Concrete Laboratory**  
**Department of Civil Engineering**  
University of Engineering and Technology, Lahore  
Phone Nos. 042-99029202, 042-99029217

1152  
Dr.Umbreen

**To: M/s Maple Construction (Pvt.) Ltd.**  
**Lahore.**  
**Project: Nil**

Our Ref. No. CL/CED/ 3021 Dated: 05-05-21  
Your Ref. No. Nil Dated: 28-04-21

## COMPRESSION TEST REPORT

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

Specimens received on: 28-04-21 Tested on: 04-05-21 in dry/wet condition

| Sr. No. | Mark* | Casting Date* |     |      | Size<br>(in) | Weight<br>(lbs./gms) | Area of<br>X-<br>Section<br>(Sq. in) | Ultimate<br>load<br>(Tons/lbs) | Ultimate<br>Stress<br>(Psi) | Remarks      |
|---------|-------|---------------|-----|------|--------------|----------------------|--------------------------------------|--------------------------------|-----------------------------|--------------|
|         |       | Month         | Day | Year |              |                      |                                      |                                |                             |              |
| 1       |       | 30            | 3   | 2021 | 6Diax12      | 14                   | 28.28                                | 39                             | 3090                        | Non Engraved |
| 2       |       |               |     |      |              |                      |                                      |                                |                             |              |
| 3       |       |               |     |      |              |                      |                                      |                                |                             |              |
| 4       |       |               |     |      |              |                      |                                      |                                |                             |              |
| 5       |       |               |     |      |              |                      |                                      |                                |                             |              |
| 6       |       |               |     |      |              |                      |                                      |                                |                             |              |
| 7       |       |               |     |      |              |                      |                                      |                                |                             |              |
| 8       |       |               |     |      |              |                      |                                      |                                |                             |              |
| 9       |       |               |     |      |              |                      |                                      |                                |                             |              |
| 10      |       |               |     |      |              |                      |                                      |                                |                             |              |
| 11      |       |               |     |      |              |                      |                                      |                                |                             |              |
| 12      |       |               |     |      |              |                      |                                      |                                |                             |              |
| 13      |       |               |     |      |              |                      |                                      |                                |                             |              |
| 14      |       |               |     |      |              |                      |                                      |                                |                             |              |
| 15      |       |               |     |      |              |                      |                                      |                                |                             |              |
| 16      |       |               |     |      |              |                      |                                      |                                |                             |              |

Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6)

\* as engraved on the specimens (if any)

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

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

\*\*\*\* ACI318-08 requires mean of two sample (6" dia x 12" cylinder) strength at 28 days as compressive strength

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

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

**supervisor(lab)**

**Director/Dy. Director Concrete Laboratory**



**Plain and Reinforced Concrete Laboratory**  
**Department of Civil Engineering**  
University of Engineering and Technology, Lahore  
Phone Nos. 042-99029202, 042-99029217

1152  
Dr.Umbreen

**To: M/s Maple Construction (Pvt.) Ltd.**  
**Lahore.**  
**Project: Nil**

Our Ref. No. CL/CED/ 3022 Dated: 05-05-21  
Your Ref. No. Nil Dated: 28-04-21

## COMPRESSION TEST REPORT

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

Specimens received on: 28-04-21 Tested on: 04-05-21 in dry/wet condition

| Sr. No. | Mark* | Casting Date* |     |      | Size<br>(in) | Weight<br>(lbs./gms) | Area of<br>X-<br>Section<br>(Sq. in) | Ultimate<br>load<br>(Tons/lbs) | Ultimate<br>Stress<br>(Psi) | Remarks      |
|---------|-------|---------------|-----|------|--------------|----------------------|--------------------------------------|--------------------------------|-----------------------------|--------------|
|         |       | Month         | Day | Year |              |                      |                                      |                                |                             |              |
| 1       |       | 30            | 3   | 2021 | 6Diax12      | 14                   | 28.28                                | 37                             | 2940                        | Non Engraved |
| 2       |       |               |     |      |              |                      |                                      |                                |                             |              |
| 3       |       |               |     |      |              |                      |                                      |                                |                             |              |
| 4       |       |               |     |      |              |                      |                                      |                                |                             |              |
| 5       |       |               |     |      |              |                      |                                      |                                |                             |              |
| 6       |       |               |     |      |              |                      |                                      |                                |                             |              |
| 7       |       |               |     |      |              |                      |                                      |                                |                             |              |
| 8       |       |               |     |      |              |                      |                                      |                                |                             |              |
| 9       |       |               |     |      |              |                      |                                      |                                |                             |              |
| 10      |       |               |     |      |              |                      |                                      |                                |                             |              |
| 11      |       |               |     |      |              |                      |                                      |                                |                             |              |
| 12      |       |               |     |      |              |                      |                                      |                                |                             |              |
| 13      |       |               |     |      |              |                      |                                      |                                |                             |              |
| 14      |       |               |     |      |              |                      |                                      |                                |                             |              |
| 15      |       |               |     |      |              |                      |                                      |                                |                             |              |
| 16      |       |               |     |      |              |                      |                                      |                                |                             |              |

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\* as engraved on the specimens (if any)

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

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

\*\*\*\* ACI318-08 requires mean of two sample (6" dia x 12" cylinder) strength at 28 days as compressive strength

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

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

**supervisor(lab)**

**Director/Dy. Director Concrete Laboratory**





**Plain and Reinforced Concrete Laboratory**  
**Department of Civil Engineering**  
University of Engineering and Technology, Lahore  
Phone Nos. 042-99029202, 042-99029217

1166

Dr.Umbreen

**To: Mr. Amir Rabbani**  
**M/s BLOK-LITE ( Pvt.) Ltd. Lahore.**  
**Project: Nil**

Our Ref. No. CL/CED/ 3023 Dated: 05-05-21

Your Ref. No. PPSI/06/Grey/210428 Dated: 29-04-21

## COMPRESSION TEST REPORT

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

Specimens received on: 29-04-21 Tested on: 04-05-21 in dry/wet condition

| Sr. No. | Mark*            | Casting Date*<br>/Wet Weight<br>(gms) | Size<br>(in) | Weight<br>(lbs./gms) | Area of<br>X-<br>Section<br>(Sq. in) | Ultimate<br>load<br>(Tons/lbs) | Ultimate<br>Stress<br>(Psi) | Remarks |
|---------|------------------|---------------------------------------|--------------|----------------------|--------------------------------------|--------------------------------|-----------------------------|---------|
| 1       | Grey Solid Block |                                       | 11.7x5.8x8.0 | 11.4                 | 67.86                                | 29                             | 960                         |         |
| 2       | Grey Solid Block |                                       | 11.7x5.8x8.0 | 9.8                  | 67.86                                | 28                             | 930                         |         |
| 3       | Grey Solid Block |                                       | 11.7x5.8x8.0 | 10                   | 67.86                                | 26                             | 860                         |         |
| 4       |                  |                                       |              |                      |                                      |                                |                             |         |
| 5       |                  |                                       |              |                      |                                      |                                |                             |         |
| 6       |                  |                                       |              |                      |                                      |                                |                             |         |
| 7       |                  |                                       |              |                      |                                      |                                |                             |         |
| 8       |                  |                                       |              |                      |                                      |                                |                             |         |
| 9       |                  |                                       |              |                      |                                      |                                |                             |         |
| 10      |                  |                                       |              |                      |                                      |                                |                             |         |
| 11      |                  |                                       |              |                      |                                      |                                |                             |         |
| 12      |                  |                                       |              |                      |                                      |                                |                             |         |
| 13      |                  |                                       |              |                      |                                      |                                |                             |         |
| 14      |                  |                                       |              |                      |                                      |                                |                             |         |
| 15      |                  |                                       |              |                      |                                      |                                |                             |         |
| 16      |                  |                                       |              |                      |                                      |                                |                             |         |

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\* as engraved on the specimens (if any)

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

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

\*\*\*\* ACI318-08 requires mean of two sample (6" dia x 12" cylinder) strength at 28 days as compressive strength

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

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

**supervisor(lab)**

**Director/Dy. Director Concrete Laboratory**



**Plain and Reinforced Concrete Laboratory**  
**Department of Civil Engineering**  
University of Engineering and Technology, Lahore  
Phone Nos. 042-99029202, 042-99029217

1166  
Dr.Umbreen

**To: Mr. Amir Rabbani**  
**M/s BLOK-LITE (Pvt.) Ltd. Lahore.**  
**Project: Nil**

Our Ref. No. CL/CED/ 3024 Dated: 05-05-21  
Your Ref. No. PSI/06/White/210428A Dated: 29-04-21

## COMPRESSION TEST REPORT

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

Specimens received on: 29-04-21 Tested on: 04-05-21 in dry/wet condition

| Sr. No. | Mark*             | Casting Date*<br>/Wet Weight<br>(gms) | Size<br>(in) | Weight<br>(lbs./gms) | Area of<br>X-<br>Section<br>(Sq. in) | Ultimate<br>load<br>(Tons/lbs) | Ultimate<br>Stress<br>(Psi) | Remarks |
|---------|-------------------|---------------------------------------|--------------|----------------------|--------------------------------------|--------------------------------|-----------------------------|---------|
| 1       | White Solid Block |                                       | 11.9x5.9x8.0 | 10.2                 | 70.21                                | 34                             | 1090                        |         |
| 2       | White Solid Block |                                       | 11.8x6.0x7.9 | 11.2                 | 70.8                                 | 30                             | 950                         |         |
| 3       | White Solid Block |                                       | 11.9x5.9x8.0 | 11.4                 | 70.21                                | 24                             | 770                         |         |
| 4       |                   |                                       |              |                      |                                      |                                |                             |         |
| 5       |                   |                                       |              |                      |                                      |                                |                             |         |
| 6       |                   |                                       |              |                      |                                      |                                |                             |         |
| 7       |                   |                                       |              |                      |                                      |                                |                             |         |
| 8       |                   |                                       |              |                      |                                      |                                |                             |         |
| 9       |                   |                                       |              |                      |                                      |                                |                             |         |
| 10      |                   |                                       |              |                      |                                      |                                |                             |         |
| 11      |                   |                                       |              |                      |                                      |                                |                             |         |
| 12      |                   |                                       |              |                      |                                      |                                |                             |         |
| 13      |                   |                                       |              |                      |                                      |                                |                             |         |
| 14      |                   |                                       |              |                      |                                      |                                |                             |         |
| 15      |                   |                                       |              |                      |                                      |                                |                             |         |
| 16      |                   |                                       |              |                      |                                      |                                |                             |         |

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\* as engraved on the specimens (if any)

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

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

\*\*\*\* ACI318-08 requires mean of two sample (6" dia x 12" cylinder) strength at 28 days as compressive strength

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

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

**supervisor(lab)**

**Director/Dy. Director Concrete Laboratory**



**Plain and Reinforced Concrete Laboratory**  
**Department of Civil Engineering**  
University of Engineering and Technology, Lahore  
Phone Nos. 042-99029202, 042-99029217

1166

Dr.Umbreen

**To: Mr. Amir Rabbani**  
**M/s BLOK-LITE ( Pvt.) Ltd. Lahore.**  
**Project: Nil**

Our Ref. No. CL/CED/ 3025 Dated: 05-05-21

Your Ref. No. PSI/04/White/210428B Dated: 29-04-21

## COMPRESSION TEST REPORT

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

Specimens received on: 29-04-21 Tested on: 04-05-21 in dry/wet condition

| Sr. No. | Mark*             | Casting Date*<br>/Wet Weight<br>(gms) | Size<br>(in) | Weight<br>(lbs./gms) | Area of<br>X-<br>Section<br>(Sq. in) | Ultimate<br>load<br>(Tons/lbs) | Ultimate<br>Stress<br>(Psi) | Remarks |
|---------|-------------------|---------------------------------------|--------------|----------------------|--------------------------------------|--------------------------------|-----------------------------|---------|
| 1       | Solid Block White |                                       | 11.9x3.9x8.0 | 6.4                  | 46.41                                | 18                             | 870                         |         |
| 2       | Solid Block White |                                       | 11.8x4.0x8.0 | 6.4                  | 47.2                                 | 16                             | 760                         |         |
| 3       | Solid Block White |                                       | 12.0x3.9x8.0 | 6.2                  | 46.8                                 | 13                             | 630                         |         |
| 4       |                   |                                       |              |                      |                                      |                                |                             |         |
| 5       |                   |                                       |              |                      |                                      |                                |                             |         |
| 6       |                   |                                       |              |                      |                                      |                                |                             |         |
| 7       |                   |                                       |              |                      |                                      |                                |                             |         |
| 8       |                   |                                       |              |                      |                                      |                                |                             |         |
| 9       |                   |                                       |              |                      |                                      |                                |                             |         |
| 10      |                   |                                       |              |                      |                                      |                                |                             |         |
| 11      |                   |                                       |              |                      |                                      |                                |                             |         |
| 12      |                   |                                       |              |                      |                                      |                                |                             |         |
| 13      |                   |                                       |              |                      |                                      |                                |                             |         |
| 14      |                   |                                       |              |                      |                                      |                                |                             |         |
| 15      |                   |                                       |              |                      |                                      |                                |                             |         |
| 16      |                   |                                       |              |                      |                                      |                                |                             |         |

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\* as engraved on the specimens (if any)

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

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

\*\*\*\* ACI318-08 requires mean of two sample (6" dia x 12" cylinder) strength at 28 days as compressive strength

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

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

**supervisor(lab)**

**Director/Dy. Director Concrete Laboratory**



**Plain and Reinforced Concrete Laboratory**  
**Department of Civil Engineering**  
University of Engineering and Technology, Lahore  
Phone Nos. 042-99029202, 042-99029217

1157

Dr.Umbreen

**To: Mr. Furqan Ali Malik (Chief Resident Engineer), Package-1**  
**NESPAK (Pvt.) Ltd. ( Construction Management Division)**  
**Project: Construction of Bopoundary Wall Guard Rooms and External Allied Works of Anarkali Station of Lahore Orange Line Metro Train Project Package-1**

Our Ref. No. CL/CED/ 3027 Dated: 05-05-21

Your Ref. No. 4042/13/FAM/Edge Stone-186 Dated: 12-04-21

## COMPRESSION TEST REPORT

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

Specimens received on: 29-04-21 Tested on: 04-05-21 in dry/wet condition

| Sr. No. | Mark*      | Casting Date*<br>/Wet Weight<br>(gms) | Size<br>(in) | Weight<br>(lbs./gms) | Area of<br>X-<br>Section<br>(Sq. in) | Ultimate<br>load<br>(Tons/lbs) | Ultimate<br>Stress<br>(Psi) | Remarks |
|---------|------------|---------------------------------------|--------------|----------------------|--------------------------------------|--------------------------------|-----------------------------|---------|
| 1       | Edge Stone |                                       | 11.7x7.7x6.2 | 9                    | 90.04                                | 57                             | 1420                        |         |
| 2       | Edge Stone |                                       | 11.6x7.6x6.1 | 9                    | 88.16                                | 57                             | 1450                        |         |
| 3       |            |                                       |              |                      |                                      |                                |                             |         |
| 4       |            |                                       |              |                      |                                      |                                |                             |         |
| 5       |            |                                       |              |                      |                                      |                                |                             |         |
| 6       |            |                                       |              |                      |                                      |                                |                             |         |
| 7       |            |                                       |              |                      |                                      |                                |                             |         |
| 8       |            |                                       |              |                      |                                      |                                |                             |         |
| 9       |            |                                       |              |                      |                                      |                                |                             |         |
| 10      |            |                                       |              |                      |                                      |                                |                             |         |
| 11      |            |                                       |              |                      |                                      |                                |                             |         |
| 12      |            |                                       |              |                      |                                      |                                |                             |         |
| 13      |            |                                       |              |                      |                                      |                                |                             |         |
| 14      |            |                                       |              |                      |                                      |                                |                             |         |
| 15      |            |                                       |              |                      |                                      |                                |                             |         |
| 16      |            |                                       |              |                      |                                      |                                |                             |         |

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\* as engraved on the specimens (if any)

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

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

\*\*\*\* ACI318-08 requires mean of two sample (6" dia x 12" cylinder) strength at 28 days as compressive strength

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

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

**supervisor(lab)**

**Director/Dy. Director Concrete Laboratory**



# Plain and Reinforced Concrete Laboratory

## Department of Civil Engineering

University of Engineering and Technology, Lahore

Phone Nos. 042-99029202, 042-99029217

1157

Dr.Umbreen

To: Mr. Furqan Ali Malik (Chief Resident Engineer), Package-1

NESPAK (Pvt.) Ltd. ( Construction Management Division)

Project: Construction of Boundary Wall Guard Rooms and External Allied Works of Anarkali Station of Lahore Orange Line Metro Train Project Package-1

Our Ref. No. CL/CED/ 3028 Dated: 05-05-21

Your Ref. No. 4042/13/FAM/Kerb Stone-187 Dated: 12-04-21

## COMPRESSION TEST REPORT

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

Specimens received on: 29-04-21 Tested on: 04-05-21 in dry/wet condition

| Sr. No. | Mark*      | Casting Date*<br>/Wet Weight<br>(gms) | Size<br>(in) | Weight<br>(lbs./gms) | Area of<br>X-<br>Section<br>(Sq. in) | Ultimate<br>load<br>(Tons/lbs) | Ultimate<br>Stress<br>(Psi) | Remarks |
|---------|------------|---------------------------------------|--------------|----------------------|--------------------------------------|--------------------------------|-----------------------------|---------|
| 1       | Kerb Stone |                                       | 7.0x5.8x6.0  | 20                   | 57                                   | 144                            | 5660                        |         |
| 2       | Kerb Stone |                                       | 6.8x5.9x6.0  | 18.4                 | 57                                   | 112                            | 4410                        |         |
| 3       |            |                                       |              |                      |                                      |                                |                             |         |
| 4       |            |                                       |              |                      |                                      |                                |                             |         |
| 5       |            |                                       |              |                      |                                      |                                |                             |         |
| 6       |            |                                       |              |                      |                                      |                                |                             |         |
| 7       |            |                                       |              |                      |                                      |                                |                             |         |
| 8       |            |                                       |              |                      |                                      |                                |                             |         |
| 9       |            |                                       |              |                      |                                      |                                |                             |         |
| 10      |            |                                       |              |                      |                                      |                                |                             |         |
| 11      |            |                                       |              |                      |                                      |                                |                             |         |
| 12      |            |                                       |              |                      |                                      |                                |                             |         |
| 13      |            |                                       |              |                      |                                      |                                |                             |         |
| 14      |            |                                       |              |                      |                                      |                                |                             |         |
| 15      |            |                                       |              |                      |                                      |                                |                             |         |
| 16      |            |                                       |              |                      |                                      |                                |                             |         |

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\* as engraved on the specimens (if any)

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

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

\*\*\*\* ACI318-08 requires mean of two sample (6" dia x 12" cylinder) strength at 28 days as compressive strength

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

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

supervisor(lab)

Director/Dy. Director Concrete Laboratory



**Plain and Reinforced Concrete Laboratory**  
**Department of Civil Engineering**  
University of Engineering and Technology, Lahore  
Phone Nos. 042-99029202, 042-99029217

1147

To: **Mr. Mohsin Zafar (Owner)**

Dr. Mazhar Saleem

**Eastern Dairies (Pvt.) Ltd., Lahore**

**Project: Eastern Dairies (Pvt.) Ltd., 2.5-KM Raiwind Manga Road, Raiwind (Foundation of Shed)**

Our Ref. No. CL/CED/ 3029 Dated: 04-05-21

Your Ref. No. H:/USR/C-A-1/EDL-P/022 Dated: 28-04-21

## COMPRESSION TEST REPORT

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

Specimens received on: 28-04-21 Tested on: 29-04-21 in dry/wet condition

| Sr. No. | Mark* | Casting Date*     |   |      | Size (in) | Weight (lbs./gms) | Area of X-Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks  |
|---------|-------|-------------------|---|------|-----------|-------------------|----------------------------|--------------------------|-----------------------|----------|
|         |       | /Wet Weight (gms) |   |      |           |                   |                            |                          |                       |          |
| 1       | G-26  | 29                | 3 | 2021 | 6x6x6     | 9                 | 36                         | 83                       | 5170                  | Engraved |
| 2       | G-27  | 29                | 3 | 2021 | 6x6x6     | 9                 | 36                         | 106                      | 6600                  | Engraved |
| 3       |       |                   |   |      |           |                   |                            |                          |                       |          |
| 4       |       |                   |   |      |           |                   |                            |                          |                       |          |
| 5       |       |                   |   |      |           |                   |                            |                          |                       |          |
| 6       |       |                   |   |      |           |                   |                            |                          |                       |          |
| 7       |       |                   |   |      |           |                   |                            |                          |                       |          |
| 8       |       |                   |   |      |           |                   |                            |                          |                       |          |
| 9       |       |                   |   |      |           |                   |                            |                          |                       |          |
| 10      |       |                   |   |      |           |                   |                            |                          |                       |          |
| 11      |       |                   |   |      |           |                   |                            |                          |                       |          |
| 12      |       |                   |   |      |           |                   |                            |                          |                       |          |
| 13      |       |                   |   |      |           |                   |                            |                          |                       |          |
| 14      |       |                   |   |      |           |                   |                            |                          |                       |          |
| 15      |       |                   |   |      |           |                   |                            |                          |                       |          |
| 16      |       |                   |   |      |           |                   |                            |                          |                       |          |

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\* as engraved on the specimens (if any)

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

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

\*\*\*\* ACI318-08 requires mean of two sample (6" dia x 12" cylinder) strength at 28 days as compressive strength

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

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

**supervisor(lab)**

**Director/Dy. Director Concrete Laboratory**



**Plain and Reinforced Concrete Laboratory**  
**Department of Civil Engineering**  
University of Engineering and Technology, Lahore  
Phone Nos. 042-99029202, 042-99029217

1116  
Engr. Ubaid

**To: Mr. Shahzad Ahmad Sheikh**  
**House No. 817 Sector R, Phase 7, Defence Housing Authority, Lahore.**  
**Project:**

Our Ref. No. CL/CED/ 3029 Dated: 05-05-21  
Your Ref. No. Nil Dated: 22-04-21

## COMPRESSION TEST REPORT

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

Specimens received on: 22-04-21 Tested on: 05-05-21 in dry/wet condition

| Sr. No. | Mark*        | Casting Date*<br>/Wet Weight<br>(gms) | Size<br>(in) | Weight<br>(lbs./gms) | Area of<br>X-<br>Section<br>(Sq. in) | Ultimate<br>load<br>(Tons/lbs) | Ultimate<br>Stress<br>(Psi) | Remarks |
|---------|--------------|---------------------------------------|--------------|----------------------|--------------------------------------|--------------------------------|-----------------------------|---------|
| 1       | Hollow Block |                                       | 15x7.0x7.5   | 15                   | 55                                   | 39                             | 1590                        |         |
| 2       | Hollow Block |                                       | 15x7.0x7.5   | 15                   | 55                                   | 25                             | 1020                        |         |
| 3       |              |                                       |              |                      |                                      |                                |                             |         |
| 4       |              |                                       |              |                      |                                      |                                |                             |         |
| 5       |              |                                       |              |                      |                                      |                                |                             |         |
| 6       |              |                                       |              |                      |                                      |                                |                             |         |
| 7       |              |                                       |              |                      |                                      |                                |                             |         |
| 8       |              |                                       |              |                      |                                      |                                |                             |         |
| 9       |              |                                       |              |                      |                                      |                                |                             |         |
| 10      |              |                                       |              |                      |                                      |                                |                             |         |
| 11      |              |                                       |              |                      |                                      |                                |                             |         |
| 12      |              |                                       |              |                      |                                      |                                |                             |         |
| 13      |              |                                       |              |                      |                                      |                                |                             |         |
| 14      |              |                                       |              |                      |                                      |                                |                             |         |
| 15      |              |                                       |              |                      |                                      |                                |                             |         |
| 16      |              |                                       |              |                      |                                      |                                |                             |         |

Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6)

\* as engraved on the specimens (if any)

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

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

\*\*\*\* ACI318-08 requires mean of two sample (6" dia x 12" cylinder) strength at 28 days as compressive strength

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

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

**supervisor(lab)**

**Director/Dy. Director Concrete Laboratory**



**Plain and Reinforced Concrete Laboratory**  
**Department of Civil Engineering**  
University of Engineering and Technology, Lahore  
Phone Nos. 042-99029202, 042-99029217

1197

Dr.Umbreen

**To: Mr. Waqas Munir (Admin Manager)**  
**M/s Zimbis Knitwears( Pvt.) Ltd.**  
**Project: Nil**

Our Ref. No. CL/CED/ 3031 Dated: 05-05-21

Your Ref. No. Nil Dated: 04-05-21

## COMPRESSION TEST REPORT

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

Specimens received on: 04-05-21 Tested on: 05-05-21 in dry/wet condition

| Sr. No. | Mark* | Casting Date*       |   |      | Size<br>(in) | Weight<br>(lbs./gms) | Area of<br>X-<br>Section<br>(Sq. in) | Ultimate<br>load<br>(Tons/lbs) | Ultimate<br>Stress<br>(Psi) | Remarks  |
|---------|-------|---------------------|---|------|--------------|----------------------|--------------------------------------|--------------------------------|-----------------------------|----------|
|         |       | Wet Weight<br>(gms) |   |      |              |                      |                                      |                                |                             |          |
| 1       |       | 19                  | 4 | 2021 | 6Diax12      | 14.2                 | 28.28                                | 35                             | 2780                        | Engraved |
| 2       |       | 19                  | 4 | 2021 | 6Diax12      | 13.4                 | 28.28                                | 29                             | 2300                        | Engraved |
| 3       |       |                     |   |      |              |                      |                                      |                                |                             |          |
| 4       |       |                     |   |      |              |                      |                                      |                                |                             |          |
| 5       |       |                     |   |      |              |                      |                                      |                                |                             |          |
| 6       |       |                     |   |      |              |                      |                                      |                                |                             |          |
| 7       |       |                     |   |      |              |                      |                                      |                                |                             |          |
| 8       |       |                     |   |      |              |                      |                                      |                                |                             |          |
| 9       |       |                     |   |      |              |                      |                                      |                                |                             |          |
| 10      |       |                     |   |      |              |                      |                                      |                                |                             |          |
| 11      |       |                     |   |      |              |                      |                                      |                                |                             |          |
| 12      |       |                     |   |      |              |                      |                                      |                                |                             |          |
| 13      |       |                     |   |      |              |                      |                                      |                                |                             |          |
| 14      |       |                     |   |      |              |                      |                                      |                                |                             |          |
| 15      |       |                     |   |      |              |                      |                                      |                                |                             |          |
| 16      |       |                     |   |      |              |                      |                                      |                                |                             |          |

Results can also be seen on website [http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\\_reports&id=6](http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6)

\* as engraved on the specimens (if any)

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

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

\*\*\*\* 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

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

**supervisor(lab)**

**Director/Dy. Director Concrete Laboratory**





**Plain and Reinforced Concrete Laboratory**  
**Department of Civil Engineering**  
University of Engineering and Technology, Lahore  
Phone Nos. 042-99029202, 042-99029217

1204  
Engr. Ubaid

**To: Mr. Muhammad Awais**  
**M/s HS Crete (Pvt.) Ltd. FIEDMC FSD.**  
**Project: Nil**

Our Ref. No. CL/CED/ 3032 Dated: 05-05-21  
Your Ref. No. Nil Dated: 05-05-21

## COMPRESSION TEST REPORT

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

Specimens received on: 05-05-21 Tested on: 05-05-21 in dry/wet condition

| Sr. No. | Mark*                   | Casting Date*<br>/Wet Weight<br>(gms) | Size<br>(in) | Weight<br>(lbs./gms) | Area of<br>X-<br>Section<br>(Sq. in) | Ultimate<br>load<br>(Tons/lbs) | Ultimate<br>Stress<br>(Psi) | Remarks |
|---------|-------------------------|---------------------------------------|--------------|----------------------|--------------------------------------|--------------------------------|-----------------------------|---------|
| 1       | Hollow Block<br>(190mm) |                                       | 15x7.5x7.5   | 15                   | 55.26                                | 55                             | 2230                        |         |
| 2       | Hollow Block<br>(190mm) |                                       | 15x7.5x7.5   | 15                   | 55.26                                | 67                             | 2720                        |         |
| 3       |                         |                                       |              |                      |                                      |                                |                             |         |
| 4       |                         |                                       |              |                      |                                      |                                |                             |         |
| 5       |                         |                                       |              |                      |                                      |                                |                             |         |
| 6       |                         |                                       |              |                      |                                      |                                |                             |         |
| 7       |                         |                                       |              |                      |                                      |                                |                             |         |
| 8       |                         |                                       |              |                      |                                      |                                |                             |         |
| 9       |                         |                                       |              |                      |                                      |                                |                             |         |
| 10      |                         |                                       |              |                      |                                      |                                |                             |         |
| 11      |                         |                                       |              |                      |                                      |                                |                             |         |
| 12      |                         |                                       |              |                      |                                      |                                |                             |         |
| 13      |                         |                                       |              |                      |                                      |                                |                             |         |
| 14      |                         |                                       |              |                      |                                      |                                |                             |         |
| 15      |                         |                                       |              |                      |                                      |                                |                             |         |
| 16      |                         |                                       |              |                      |                                      |                                |                             |         |

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\* as engraved on the specimens (if any)

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

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

\*\*\*\* ACI318-08 requires mean of two sample (6" dia x 12" cylinder) strength at 28 days as compressive strength

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

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

supervisor(lab)

**Director/Dy. Director Concrete Laboratory**



**Plain and Reinforced Concrete Laboratory**  
**Department of Civil Engineering**  
University of Engineering and Technology, Lahore  
Phone Nos. 042-99029202, 042-99029217

1204  
Engr.Ubaid

**To: Mr. Muhammad Awais**  
**M/s HS Crete (Pvt.) Ltd. FIEDMC FSD.**  
**Project: Nil**

Our Ref. No. CL/CED/ 3033 Dated: 05-05-21  
Your Ref. No. Nil Dated: 05-05-21

## COMPRESSION TEST REPORT

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

Specimens received on: 05-05-21 Tested on: 05-05-21 in dry/wet condition

| Sr. No. | Mark*            | Casting Date*<br>/Wet Weight<br>(gms) | Size<br>(in) | Weight<br>(lbs./gms) | Area of<br>X-Section<br>(Sq. in) | Ultimate<br>load<br>(Tons/lbs) | Ultimate<br>Stress<br>(Psi) | Remarks |
|---------|------------------|---------------------------------------|--------------|----------------------|----------------------------------|--------------------------------|-----------------------------|---------|
| 1       | Rectangular Grey |                                       | 7.8x3.8x2.3  | 2582                 | 29.64                            | 110                            | 8320                        |         |
| 2       | Rectangular Grey |                                       | 7.8x3.8x2.3  | 2483                 | 29.64                            | 91                             | 6880                        |         |
| 3       | Rectangular Grey |                                       | 7.8x3.8x2.3  | 2579                 | 29.64                            | 116                            | 8770                        |         |
| 4       |                  |                                       |              |                      |                                  |                                |                             |         |
| 5       |                  |                                       |              |                      |                                  |                                |                             |         |
| 6       |                  |                                       |              |                      |                                  |                                |                             |         |
| 7       |                  |                                       |              |                      |                                  |                                |                             |         |
| 8       |                  |                                       |              |                      |                                  |                                |                             |         |
| 9       |                  |                                       |              |                      |                                  |                                |                             |         |
| 10      |                  |                                       |              |                      |                                  |                                |                             |         |
| 11      |                  |                                       |              |                      |                                  |                                |                             |         |
| 12      |                  |                                       |              |                      |                                  |                                |                             |         |
| 13      |                  |                                       |              |                      |                                  |                                |                             |         |
| 14      |                  |                                       |              |                      |                                  |                                |                             |         |
| 15      |                  |                                       |              |                      |                                  |                                |                             |         |
| 16      |                  |                                       |              |                      |                                  |                                |                             |         |

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\* as engraved on the specimens (if any)

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

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

\*\*\*\* ACI318-08 requires mean of two sample (6" dia x 12" cylinder) strength at 28 days as compressive strength

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

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

**supervisor(lab)**

**Director/Dy. Director Concrete Laboratory**



**Plain and Reinforced Concrete Laboratory**  
**Department of Civil Engineering**  
University of Engineering and Technology, Lahore  
Phone Nos. 042-99029202, 042-99029217

1194  
Dr. Mazar

**To: Engr. Ahsan Manzoor (Managing Partner)**  
**Design Matrix, Lahore.**  
**Project: Nil**

Our Ref. No. CL/CED/ 3034 Dated: 05-05-21  
Your Ref. No. Nil Dated: 04-05-21

## COMPRESSION TEST REPORT

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

Specimens received on: 04-05-21 Tested on: 05-05-21 in dry/wet condition

| Sr. No. | Mark* | Casting Date*       |   |      | Size<br>(in) | Weight<br>(lbs./gms) | Area of<br>X-<br>Section<br>(Sq. in) | Ultimate<br>load<br>(Tons/lbs) | Ultimate<br>Stress<br>(Psi) | Remarks      |
|---------|-------|---------------------|---|------|--------------|----------------------|--------------------------------------|--------------------------------|-----------------------------|--------------|
|         |       | Wet Weight<br>(gms) |   |      |              |                      |                                      |                                |                             |              |
| 1       |       | 27                  | 3 | 2021 | 6Diax12      | 13.4                 | 28.28                                | 37                             | 2940                        | Non Engraved |
| 2       |       | 27                  | 3 | 2021 | 6Diax12      | 13.4                 | 28.28                                | 33                             | 2620                        | Non Engraved |
| 3       |       | 27                  | 3 | 2021 | 6Diax12      | 13                   | 28.28                                | 33                             | 2620                        | Non Engraved |
| 4       |       |                     |   |      |              |                      |                                      |                                |                             |              |
| 5       |       |                     |   |      |              |                      |                                      |                                |                             |              |
| 6       |       |                     |   |      |              |                      |                                      |                                |                             |              |
| 7       |       |                     |   |      |              |                      |                                      |                                |                             |              |
| 8       |       |                     |   |      |              |                      |                                      |                                |                             |              |
| 9       |       |                     |   |      |              |                      |                                      |                                |                             |              |
| 10      |       |                     |   |      |              |                      |                                      |                                |                             |              |
| 11      |       |                     |   |      |              |                      |                                      |                                |                             |              |
| 12      |       |                     |   |      |              |                      |                                      |                                |                             |              |
| 13      |       |                     |   |      |              |                      |                                      |                                |                             |              |
| 14      |       |                     |   |      |              |                      |                                      |                                |                             |              |
| 15      |       |                     |   |      |              |                      |                                      |                                |                             |              |
| 16      |       |                     |   |      |              |                      |                                      |                                |                             |              |

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

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

**supervisor(lab)**

**Director/Dy. Director Concrete Laboratory**