



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

10414

Dr. Mazhar Saleem

To: **Sub Divisional Officer**

**Buildings Sub Division No. 15, Lahore**

**Project: Construction of New Administration Block in the Premises of Lahore High Court Lahore**

Our Ref. No. CL/CED/ 637 Dated: 20-08-20

Your Ref. No. 711 Dated: 27-07-20

## COMPRESSION TEST REPORT

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

Specimens received on: 13-08-20 Tested on: 20-08-20 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       | MD    |                                       | 8.8x4.4x3.1  | 3452                 | 38.72                                | 49                             | 2840                        |         |
| 2       | MD    |                                       | 8.8x4.3x3.0  | 3483                 | 37.84                                | 39                             | 2310                        |         |
| 3       | MD    |                                       | 8.8x4.3x3.0  | 3463                 | 37.84                                | 49                             | 2910                        |         |
| 4       | MD    |                                       | 8.8x4.4x3.1  | 3507                 | 38.72                                | 45                             | 2610                        |         |
| 5       | MD    |                                       | 8.8x4.3x3.0  | 3407                 | 37.84                                | 51                             | 3020                        |         |
| 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

10421

Dr.Waseem Abbas

**To: Muhammad Essa (Chief Financial Officer)**  
**Markhor Developers (Pvt.) Ltd. Lahore**  
**Project: Construction of 75-Shadman-I, Lahore (Tetra Engineering Pvt. Ltd.)**

Our Ref. No. CL/CED/ 638 Dated: 20-08-20

Your Ref. No. Nil Dated: 10-08-20

## COMPRESSION TEST REPORT

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

Specimens received on: 17-08-20 Tested on: 18-08-20 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      |
|---------|-----------------|---------------|-----|------|-----------|-------------------|----------------------------|--------------------------|-----------------------|--------------|
|         |                 | Month         | Day | Year |           |                   |                            |                          |                       |              |
| 1       | Slab (3000 Psi) | 30            | 6   | 2020 | 6Diax12   | 14                | 28.28                      | 53                       | 4200                  | Non Engraved |
| 2       | Slab (3000 Psi) | 30            | 6   | 2020 | 6Diax12   | 14                | 28.28                      | 53                       | 4200                  | Non Engraved |
| 3       | Slab (3000 Psi) | 30            | 6   | 2020 | 6Diax12   | 14                | 28.28                      | 51                       | 4040                  | 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"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

10421

To: **Muhammad Essa (Chief Financial Officer)**

Dr.Waseem Abbas

**Markhor Developers (Pvt.) Ltd. Lahore**

**Project: Construction of 75-Shadman-I, Lahore (Tetra Engineering Pvt. Ltd.)**

Our Ref. No. CL/CED/ 639 Dated: 20-08-20

Your Ref. No. Nil Dated: 10-08-20

## COMPRESSION TEST REPORT

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

Specimens received on: 17-08-20 Tested on: 18-08-20 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      |
|---------|-------------------|---------------|-----|------|-----------|-------------------|----------------------------|--------------------------|-----------------------|--------------|
|         |                   | Month         | Day | Year |           |                   |                            |                          |                       |              |
| 1       | Column (6000 Psi) | 8             | 7   | 2020 | 6Diax12   | 14.4              | 28.28                      | 77                       | 6100                  | Non Engraved |
| 2       | Column (6000 Psi) | 8             | 7   | 2020 | 6Diax12   | 14                | 28.28                      | 75                       | 5950                  | Non Engraved |
| 3       | Column (6000 Psi) | 8             | 7   | 2020 | 6Diax12   | 14                | 28.28                      | 68                       | 5390                  | 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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**Department of Civil Engineering**  
University of Engineering and Technology, Lahore  
Phone Nos. 042-99029202, 042-99029217

10421

Dr.Waseem Abbas

**To: Muhammad Essa (Chief Financial Officer)**  
**Markhor Developers (Pvt.) Ltd. Lahore**  
**Project: Construction of 75-Shadman-I, Lahore (Tetra Engineering Pvt. Ltd.)**

Our Ref. No. CL/CED/ 640 Dated: 20-08-20

Your Ref. No. Nil Dated: 10-08-20

## COMPRESSION TEST REPORT

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

Specimens received on: 17-08-20 Tested on: 18-08-20 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       | Slab (3000 Psi) | 27            | 7   | 2020 | 6Diax12      | 14                   | 28.28                            | 36                             | 2860                        | Non Engraved |
| 2       | Slab (3000 Psi) | 27            | 7   | 2020 | 6Diax12      | 14.2                 | 28.28                            | 37                             | 2940                        | Non Engraved |
| 3       | Slab (3000 Psi) | 27            | 7   | 2020 | 6Diax12      | 14                   | 28.28                            | 36                             | 2860                        | 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**



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

10434

Dr. Mazhar Saleem

To: Haider Irfan (Project Manager)

Roots International School

Project: Roots International School Palm Tree Campus Sialkot

Our Ref. No. CL/CED/

641

Dated:

20-08-20

Your Ref. No.

RIS/SB/SKT0804082020

Dated:

04-08-20

## COMPRESSION TEST REPORT

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

Specimens received on:

19-08-20

Tested on:

20-08-20

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       | Slab RCC (1:2:4) | 20            | 7   | 2020 | 6Diax12      | 13.4                 | 28.28                                | 67                             | 5310                        | Non Engraved |
| 2       | Slab RCC (1:2:4) | 20            | 7   | 2020 | 6Diax12      | 13.8                 | 28.28                                | 61                             | 4840                        | Non 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

10422  
Dr. Aqsa

**To: Project Manager (Orchard Mall)**  
**Q-Links Property Management Pvt. Ltd. Lhr.**  
**Project: Const. of Orchard Mall, Bahria Orchard, Lahore**

Our Ref. No. CL/CED/ 642 Dated: 20-08-20

Your Ref. No. QLPM-OM-11 Dated: 13-08-20

## COMPRESSION TEST REPORT

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

Specimens received on: 17-08-20 Tested on: 18-08-20 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       | Basement Column<br>(5000 Psi) | 15                   | 7 | 2020 | 6Diax12      | 14.6                 | 28.28                                | 44                             | 3490                        | Non Engraved |
| 2       | Retaining Wall<br>(3000 Psi)  | 15                   | 7 | 2020 | 6Diax12      | 14.2                 | 28.28                                | 29                             | 2300                        | Non Engraved |
| 3       | Retaining Wall<br>(3000 Psi)  | 17                   | 7 | 2020 | 6Diax12      | 14.4                 | 28.28                                | 33                             | 2620                        | Non Engraved |
| 4       | Retaining Wall<br>(3000 Psi)  | 18                   | 7 | 2020 | 6Diax12      | 14                   | 28.28                                | 61                             | 4840                        | Non Engraved |
| 5       | Retaining Wall<br>(3000 Psi)  | 19                   | 7 | 2020 | 6Diax12      | 14                   | 28.28                                | 35                             | 2780                        | Non Engraved |
| 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

10423

Dr. Aqsa

To: Sub Divisional Officer

Buildings Sub Division No. 12, Lahore

Project: Establishment of Mother & Child Block in Sir Ganga Ram Hospital, Lahore (A.D.P No. 581/2019-20)

Group No. 1

Our Ref. No. CL/CED/

643

Dated:

20-08-20

Your Ref. No.

397/SDO12th

Dated:

11-08-20

## COMPRESSION TEST REPORT

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

Specimens received on:

17-08-20

Tested on:

18-08-20

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       | Footing Beams<br>(Portion-2) | 2                    | 7 | 2020 | 6x6x6        | 9                    | 36                                   | 88                             | 5480                        | Non Engraved |
| 2       | Footing Beams<br>(Portion-2) | 2                    | 7 | 2020 | 6x6x6        | 9                    | 36                                   | 92                             | 5730                        | Non Engraved |
| 3       | Footing Beams<br>(Portion-2) | 2                    | 7 | 2020 | 6x6x6        | 9                    | 36                                   | 88                             | 5480                        | 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



# Plain and Reinforced Concrete Laboratory

## Department of Civil Engineering

University of Engineering and Technology, Lahore

Phone Nos. 042-99029202, 042-99029217

10423

Dr. Aqsa

To: Sub Divisional Officer

Buildings Sub Division No. 12, Lahore

Project: Establishment of Mother & Child Block in Sir Ganga Ram Hospital, Lahore (A.D.P No. 581/2019-20)

Group No. 1

Our Ref. No. CL/CED/

644

Dated:

20-08-20

Your Ref. No.

400/SDO12th

Dated:

11-08-20

## COMPRESSION TEST REPORT

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

Specimens received on:

17-08-20

Tested on:

18-08-20

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       | Columns in<br>Basement-2 (Portion-<br>1) | 9                   | 7 | 2020 | 6x6x6        | 9                    | 36                                   | 102                            | 6350                        | Non Engraved |
| 2       | Columns in<br>Basement-2 (Portion-<br>1) | 9                   | 7 | 2020 | 6x6x6        | 9                    | 36                                   | 96                             | 5980                        | Non Engraved |
| 3       | Columns in<br>Basement-2 (Portion-<br>1) | 9                   | 7 | 2020 | 6x6x6        | 8.8                  | 36                                   | 104                            | 6480                        | 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/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

10423  
Dr. Aqsa

**To: Sub Divisional Officer**  
**Buildings Sub Division No. 12, Lahore**  
**Project: Establishment of Mother & Child Block in Sir Ganga Ram Hospital, Lahore (A.D.P No. 581/2019-20)**  
**Group No. 1**

Our Ref. No. CL/CED/ 645 Dated: 20-08-20

Your Ref. No. 388/SDO12th Dated: 11-08-20

## COMPRESSION TEST REPORT

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

Specimens received on: 17-08-20 Tested on: 18-08-20 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       | Raft (Portion-1) | 17            | 6   | 2020 | 6x6x6        | 8.8                  | 36                               | 96                             | 5980                        | Non Engraved |
| 2       | Raft (Portion-1) | 17            | 6   | 2020 | 6x6x6        | 9                    | 36                               | 81                             | 5040                        | Non Engraved |
| 3       | Raft (Portion-1) | 17            | 6   | 2020 | 6x6x6        | 9                    | 36                               | 90                             | 5600                        | 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

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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

10423  
Dr. Aqsa

**To: Sub Divisional Officer**  
**Buildings Sub Division No. 12, Lahore**  
**Project: Establishment of Mother & Child Block in Sir Ganga Ram Hospital, Lahore (A.D.P No. 581/2019-20)**  
**Group No. 1**

Our Ref. No. CL/CED/ 646 Dated: 20-08-20

Your Ref. No. 394/SDO12th Dated: 11-08-20

## COMPRESSION TEST REPORT

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

Specimens received on: 17-08-20 Tested on: 18-08-20 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       | Footing Beams<br>(Portion-1) | 22                  | 6 | 2020 | 6x6x6        | 8.8                  | 36                                   | 87                             | 5420                        | Non Engraved |
| 2       | Footing Beams<br>(Portion-1) | 22                  | 6 | 2020 | 6x6x6        | 9                    | 36                                   | 71                             | 4420                        | Non Engraved |
| 3       | Footing Beams<br>(Portion-1) | 22                  | 6 | 2020 | 6x6x6        | 9                    | 36                                   | 85                             | 5290                        | 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**



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

10423  
Dr. Aqsa

**To: Sub Divisional Officer**  
**Buildings Sub Division No. 12, Lahore**  
**Project: Establishment of Mother & Child Block in Sir Ganga Ram Hospital, Lahore (A.D.P No. 581/2019-20)**  
**Group No. 1**

Our Ref. No. CL/CED/ 647 Dated: 20-08-20

Your Ref. No. 391/SDO12th Dated: 11-08-20

## COMPRESSION TEST REPORT

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

Specimens received on: 17-08-20 Tested on: 18-08-20 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       | Raft (Portion-2) | 29            | 6   | 2020 | 6x6x6        | 8.8                  | 36                               | 109                            | 6790                        | Non Engraved |
| 2       | Raft (Portion-2) | 29            | 6   | 2020 | 6x6x6        | 8.6                  | 36                               | 87                             | 5420                        | Non Engraved |
| 3       | Raft (Portion-2) | 29            | 6   | 2020 | 6x6x6        | 8.6                  | 36                               | 79                             | 4920                        | 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**



# Plain and Reinforced Concrete Laboratory

## Department of Civil Engineering

University of Engineering and Technology, Lahore

Phone Nos. 042-99029202, 042-99029217

10425

Dr. Aqsa

To: Engr. Faiz Ullah (Divisional Engineer, ES Civil Division)

CAA, AllAP, Lahore

Project: Improvement/ Strengthening of Perimeter Fence at 36 End Towards Nadirabad at AllAP, Lahore

Our Ref. No. CL/CED/

648

Dated:

20-08-20

Your Ref. No.

AllAP/1656-  
01/109/LACV/II496

Dated:

13-08-20

## COMPRESSION TEST REPORT

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

Specimens received on:

17-08-20

Tested on:

18-08-20

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       | RCC Base | 5                    | 7 | 2020 | 6x6x6        | 8.6                  | 36                               | 65                             | 4050                        | Engraved |
| 2       | RCC Base | 5                    | 7 | 2020 | 6x6x6        | 9                    | 36                               | 59                             | 3680                        | Engraved |
| 3       | RCC Base | 8                    | 7 | 2020 | 6x6x6        | 8.8                  | 36                               | 53                             | 3300                        | Engraved |
| 4       | RCC Base | 8                    | 7 | 2020 | 6x6x6        | 9                    | 36                               | 47                             | 2930                        | Engraved |
| 5       | RCC Wall | 10                   | 7 | 2020 | 6x6x6        | 9                    | 36                               | 43                             | 2680                        | Engraved |
| 6       | RCC Wall | 10                   | 7 | 2020 | 6x6x6        | 8.6                  | 36                               | 44                             | 2740                        | Engraved |
| 7       | RCC Wall | 20                   | 7 | 2020 | 6x6x6        | 8.8                  | 36                               | 61                             | 3800                        | Engraved |
| 8       | RCC Wall | 20                   | 7 | 2020 | 6x6x6        | 8.4                  | 36                               | 48                             | 2990                        | Engraved |
| 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

10427

Dr. Mazhar Saleem

To: **Sub Divisional Officer**

**Buildings Sub Division No. 12, Lahore**

**Project: Construction of Hostels for Students Alongwith Inter Connecting Bridge of Fatima Jinah Medical University Lahore (Ground Floor Slab)**

Our Ref. No. CL/CED/ 649 Dated: 20-08-20

Your Ref. No. 381/SDO12th Dated: 05-08-20

## COMPRESSION TEST REPORT

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

Specimens received on: 18-08-20 Tested on: 19-08-20 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       | ( 1 : 2 : 4 ) | 9                   | 7 | 2020 | 6x6x6        | 9                    | 36                                   | 55                             | 3430                        | Non Engraved |
| 2       | ( 1 : 2 : 4 ) | 9                   | 7 | 2020 | 6x6x6        | 9                    | 36                                   | 75                             | 4670                        | Non 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

10430

Dr. Mazhar Saleem

**To: Majib ur Rehman (Principal Architect)**  
**Sustainable Design Solutions, Lahore**  
**Project: 34-CCA Commercial at Phase-6, DHA, Lahore**

Our Ref. No. CL/CED/ 650 Dated: 20-08-20

Your Ref. No. SDS-1262019-07 Dated: 17-08-20

## COMPRESSION TEST REPORT

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

Specimens received on: 18-08-20 Tested on: 19-08-20 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       | 4th Floor Slab | 9                 | 7 | 2020 | 6Diax12   | 14                | 28.28                      | 35                       | 2780                  | Engraved |
| 2       |                |                   |   |      |           |                   |                            |                          |                       |          |
| 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

10429

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

Dr. Mazhar Saleem

**CM Div., Nespak (Pvt.) Ltd. Lahore (M/s Rakson Construction Pvt. Ltd.)**

**Project: Construction & Rehabilitation of at Grade Works Along Lahore Orange Line Metro Train Corridor  
Package-1 (Section-II) From Shalamar Station to Coop Store (Left Side)**

Our Ref. No. CL/CED/ 651 Dated: 20-08-20

Your Ref. No. 4042/13/FAM/Tough-  
Paver-137 Dated: 23-10-19

## COMPRESSION TEST REPORT

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

Specimens received on: 18-08-20 Tested on: 20-08-20 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       | Rectangular Grey |                                       | 7.8x3.9x3.0  | 3648                 | 30.42                                | 122                            | 8990                        |         |
| 2       | Rectangular Grey |                                       | 7.8x3.9x3.0  | 3721                 | 30.42                                | 102                            | 7520                        |         |
| 3       | Rectangular Red  |                                       | 7.8x3.9x3.0  | 4076                 | 30.42                                | 122                            | 8990                        |         |
| 4       | Rectangular Grey |                                       | 7.8x3.9x2.4  | 2693                 | 30.42                                | 61                             | 4500                        |         |
| 5       | Rectangular Grey |                                       | 7.8x3.9x2.4  | 2687                 | 30.42                                | 55                             | 4050                        |         |
| 6       | Rectangular Red  |                                       | 7.8x3.9x2.4  | 2732                 | 30.42                                | 41                             | 3020                        |         |
| 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

10431

Dr. Mazhar Saleem

**To: Sub Division Officer**  
**Buildings Sub Division, Khushab**  
**Project: Establishment of Wild Life Park at Jaharabad District Khushab**

Our Ref. No. CL/CED/ 652-1 of 2 Dated: 20-08-20

Your Ref. No. 319/K Dated: 10-08-20

## COMPRESSION TEST REPORT

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

Specimens received on: 18-08-20 Tested on: 20-08-20 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       | Rectangular Grey |                                       | 7.8x3.9x2.3  | 2627                 | 30.42                                | 81                             | 5970                        |         |
| 2       | Rectangular Grey |                                       | 7.8x3.9x2.3  | 2538                 | 30.42                                | 59                             | 4350                        |         |
| 3       | Rectangular Grey |                                       | 7.8x3.9x2.3  | 2542                 | 30.42                                | 88                             | 6480                        |         |
| 4       | Rectangular Grey |                                       | 7.8x3.9x2.3  | 2553                 | 30.42                                | 83                             | 6120                        |         |
| 5       | Rectangular Grey |                                       | 7.8x3.9x2.3  | 2551                 | 30.42                                | 86                             | 6340                        |         |
| 6       | Rectangular Grey |                                       | 7.8x3.9x2.3  | 2617                 | 30.42                                | 67                             | 4940                        |         |
| 7       | Rectangular Grey |                                       | 7.8x3.9x2.3  | 2563                 | 30.42                                | 100                            | 7370                        |         |
| 8       | Rectangular Grey |                                       | 7.8x3.9x2.3  | 2542                 | 30.42                                | 71                             | 5230                        |         |
| 9       | Rectangular Grey |                                       | 7.8x3.9x2.3  | 2556                 | 30.42                                | 75                             | 5530                        |         |
| 10      | Rectangular Grey |                                       | 7.8x3.9x2.3  | 2524                 | 30.42                                | 67                             | 4940                        |         |
| 11      | Rectangular Grey |                                       | 7.8x3.9x2.3  | 2557                 | 30.42                                | 67                             | 4940                        |         |
| 12      | Rectangular Grey |                                       | 7.8x3.9x2.3  | 2495                 | 30.42                                | 83                             | 6120                        |         |
| 13      |                  |                                       |              |                      |                                      |                                |                             |         |
| 14      |                  |                                       |              |                      |                                      |                                |                             |         |
| 15      |                  |                                       |              |                      |                                      |                                |                             |         |
| 16      |                  |                                       |              |                      |                                      |                                |                             |         |

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Dr. Mazhar Saleem

**To: Sub Division Officer**  
**Buildings Sub Division, Khushab**  
**Project: Establishment of Wild Life Park at Jaharabad District Khushab**

Our Ref. No. CL/CED/ 652-2 of 2 Dated: 20-08-20

Your Ref. No. 319/K Dated: 10-08-20

## COMPRESSION TEST REPORT

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

Specimens received on: 18-08-20 Tested on: 20-08-20 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 |
|---------|-----------------|---------------------------------------|--------------|----------------------|----------------------------------|--------------------------------|-----------------------------|---------|
| 13      | Rectangular Red |                                       | 7.8x3.9x2.3  | 2705                 | 30.42                            | 114                            | 8400                        |         |
| 14      | Rectangular Red |                                       | 7.8x3.9x2.3  | 2698                 | 30.42                            | 118                            | 8690                        |         |
| 15      | Rectangular Red |                                       | 7.8x3.9x2.3  | 2798                 | 30.42                            | 122                            | 8990                        |         |
| 16      | Rectangular Red |                                       | 7.8x3.9x2.3  | 2721                 | 30.42                            | 83                             | 6120                        |         |
| 17      | Rectangular Red |                                       | 7.8x3.9x2.3  | 2738                 | 30.42                            | 57                             | 4200                        |         |
| 18      | Rectangular Red |                                       | 7.8x3.9x2.3  | 2716                 | 30.42                            | 90                             | 6630                        |         |
| 19      | Rectangular Red |                                       | 7.8x3.9x2.3  | 2689                 | 30.42                            | 106                            | 7810                        |         |
| 20      | Rectangular Red |                                       | 7.8x3.9x2.3  | 2674                 | 30.42                            | 120                            | 8840                        |         |
| 9       |                 |                                       |              |                      |                                  |                                |                             |         |
| 10      |                 |                                       |              |                      |                                  |                                |                             |         |
| 11      |                 |                                       |              |                      |                                  |                                |                             |         |
| 12      |                 |                                       |              |                      |                                  |                                |                             |         |
| 13      |                 |                                       |              |                      |                                  |                                |                             |         |
| 14      |                 |                                       |              |                      |                                  |                                |                             |         |
| 15      |                 |                                       |              |                      |                                  |                                |                             |         |
| 16      |                 |                                       |              |                      |                                  |                                |                             |         |

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