

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

1505

To: M/s Saleem Construction Company (Pvt.) Ltd.

Dr. Mazar

Lahore. Project: Nil

Our Ref. No. CL/CED/ 4317 Dated: 14-07-21

Your Ref. No. Cubes Test Dated: 01-07-21

#### COMPRESSION TEST REPORT

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

Specimens received on: 01-07-21 Tested on: 12-07-21 in dry/wet condition

|         |             | Cas | sting | Date*  | Size    | Weight     | Area of   | Ultimate   | Ultimate |          |
|---------|-------------|-----|-------|--------|---------|------------|-----------|------------|----------|----------|
| Sr. No. | Mark*       | /W  | et V  | Veight | (in)    | (lbs./gms) | X-Section | load       | Stress   | Remarks  |
| 0)      |             |     | (gn   | ns)    |         |            | (Sq. in)  | (Tons/lbs) | (Psi)    |          |
| 1       | CF-3 Line D | 24  | 6     | 2021   | 6Diax12 | 14         | 28.28     | 43         | 3410     | Engraved |
| 2       | CF-3 Line D | 24  | 6     | 2021   | 6Diax12 | 14         | 28.28     | 43         | 3410     | Engraved |
| 3       |             |     |       |        |         |            |           |            |          |          |
| 4       |             |     |       |        |         |            |           |            |          |          |
| 5       |             |     |       |        |         |            |           |            |          |          |
| 6       |             |     |       |        |         |            |           |            |          |          |
| 7       |             |     |       |        |         |            |           |            |          |          |
| 8       |             |     |       |        |         |            |           |            |          |          |
| 9       |             |     |       |        |         |            |           |            |          |          |
| 10      |             |     |       |        |         |            |           |            |          |          |
| 11      |             |     |       |        |         |            |           |            |          |          |
| 12      |             |     |       |        |         |            |           |            |          |          |
| 13      |             |     |       |        |         |            |           |            |          |          |
| 14      |             |     |       |        |         |            |           |            |          |          |
| 15      |             |     |       |        |         |            |           |            |          |          |
| 16      |             |     |       |        |         |            |           |            |          |          |

Results can also be seen on website <a href="http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\_reports&id=6">http://www.uet.edu.pk/faculties/faculties/facultiesinfo/department?RID=testing\_reports&id=6</a>

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)

<sup>\*</sup> as engraved on the specimens (if any)

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

<sup>\*\*\*</sup> BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

<sup>\*\*\*\*</sup> ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprerssive strength



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

1537

To: Mr. Haris Ali Dr. Mazar

H. No.1079 St. No.7 Model Town Islamabad Project: Raya Villa 118 DRGCC Lahore.

Our Ref. No. CL/CED/ 4322 Dated: 14-07-21

Your Ref. No. Nil Dated: 07-07-21

## COMPRESSION TEST REPORT

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

Specimens received on: 07-07-21 Tested on: 12-07-21 in dry/wet condition

|         |            | Ca | astin | g Date* | Size    | Weight     | Area of   | Ultimate   | Ultimate |          |
|---------|------------|----|-------|---------|---------|------------|-----------|------------|----------|----------|
| Sr. No. | Mark*      | /\ | Vet   | Weight  | (in)    | (lbs./gms) | X-Section | load       | Stress   | Remarks  |
| 0)      |            |    | (g    | ms)     |         |            | (Sq. in)  | (Tons/lbs) | (Psi)    |          |
| 1       | (3000) Psi | 9  | 6     | 2021    | 6Diax12 | 13         | 28.28     | 25         | 1980     | Engraved |
| 2       | (3000) Psi | 9  | 6     | 2021    | 6Diax12 | 13         | 28.28     | 25         | 1980     | Engraved |
| 3       | (3000) Psi | 1  | 7     | 2021    | 6Diax12 | 13         | 28.28     | 19         | 1510     | 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)

<sup>\*</sup> as engraved on the specimens (if any)

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

<sup>\*\*\*</sup> BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

<sup>\*\*\*\*</sup> ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprerssive strength



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

1499

Dr Mazar

To: Engr. M. Salman (Asst. Resident Engineer)

M/s AR Engineers (Pvt.) Ltd. Lahore. (M/s CBS)

Project: Construction of Jewel -1 Apartment Plaza at Gulberg-III Lahore

Our Ref. No. CL/CED/ 4323 Dated: 14-07-21

Your Ref. No. DOC#ARTS-0013 Dated: 30-06-21

#### COMPRESSION TEST REPORT

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

Specimens received on: 30-06-21 Tested on: 12-07-21 in dry/wet condition

|         |       | Cas | sting | g Date* | Size    | Weight     | Area of       | Ultimate   | Ultimate |          |
|---------|-------|-----|-------|---------|---------|------------|---------------|------------|----------|----------|
| Sr. No. | Mark* | /W  | et V  | Veight  | (in)    | (lbs./gms) | X-<br>Section | load       | Stress   | Remarks  |
| 0,      |       |     | (gn   | ns)     |         |            | (Sq. in)      | (Tons/lbs) | (Psi)    |          |
| 1       |       | 29  | 5     | 2021    | 6Diax12 | 14.4       | 28.28         | 61         | 4840     | Engraved |
| 2       |       | 29  | 5     | 2021    | 6Diax12 | 15         | 28.28         | 49         | 3890     | Engraved |
| 3       |       | 29  | 5     | 2021    | 6Diax12 | 14.4       | 28.28         | 63         | 4990     | 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)

<sup>\*</sup> as engraved on the specimens (if any)

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

<sup>\*\*\*</sup> BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

<sup>\*\*\*\*</sup> ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprerssive strength



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

1548

To: M/s Saleem Construction Company (Pvt.) Ltd.

Dr. Mazar

Lahore. Project: Nil

Our Ref. No. CL/CED/ 4324 Dated: 14-07-21

Your Ref. No. Cubes Test Dated: 01-07-21

#### COMPRESSION TEST REPORT

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

Specimens received on: 09-07-21 Tested on: 12-07-21 in dry/wet condition

|         |         | Cas | sting | g Date* | Size    | Weight     | Area of       | Ultimate   | Ultimate |          |
|---------|---------|-----|-------|---------|---------|------------|---------------|------------|----------|----------|
| Sr. No. | Mark*   | W   | et V  | Veight  | (in)    | (lbs./gms) | X-<br>Section | load       | Stress   | Remarks  |
|         |         |     | (gn   | ns)     |         |            | (Sq. in)      | (Tons/lbs) | (Psi)    |          |
| 1       | Footing | 29  | 6     | 2021    | 6Diax12 | 14         | 28.28         | 61         | 4840     | Engraved |
| 2       | Footing | 29  | 6     | 2021    | 6Diax12 | 14         | 28.28         | 67         | 5310     | 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

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)

<sup>\*</sup> as engraved on the specimens (if any)

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

<sup>\*\*\*</sup> BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

<sup>\*\*\*\*</sup> ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprerssive strength



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

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To: M/s Saleem Construction Company (Pvt.) Ltd.

Dr. Mazar

Lahore. Project: Nil

Our Ref. No. CL/CED/ 4325 Dated: 14-07-21

Your Ref. No. Cylinder Test Dated: 01-07-21

#### **COMPRESSION TEST REPORT**

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

Specimens received on: 09-07-21 Tested on: 12-07-21 in dry/wet condition

| ·       |        | Ca | astin | g Date* | Size    | Weight     | Area of       | Ultimate   | Ultimate |          |
|---------|--------|----|-------|---------|---------|------------|---------------|------------|----------|----------|
| Sr. No. | Mark*  | Λ  | Vet   | Weight  | (in)    | (lbs./gms) | X-<br>Section | load       | Stress   | Remarks  |
|         |        |    | (g    | ms)     |         |            | (Sq. in)      | (Tons/lbs) | (Psi)    |          |
| 1       | Column | 2  | 7     | 2021    | 6Diax12 | 14         | 28.28         | 31         | 2460     | Engraved |
| 2       | Column | 2  | 7     | 2021    | 6Diax12 | 14         | 28.28         | 39         | 3090     | 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)

<sup>\*</sup> as engraved on the specimens (if any)

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

<sup>\*\*\*</sup> BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

<sup>\*\*\*\*</sup> ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprerssive strength



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

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To: Mr. M. Khalid Zaman (Resident Engineer)

Dr. Mazar

M/s Engineering Consultancy Services Punjab (Pvt.) Lahore

Project: Supply , Construction, Installation, and O&M of Water Filteration Plants, and Direct Supply in

**Lahore Division** 

Our Ref. No. CL/CED/ 4326 Dated: 14-07-21

Your Ref. No. ECSP/ PAPA/ CZ-LHR-30 Dated: 07-07-21

#### COMPRESSION TEST REPORT

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

Specimens received on: 08-07-2021. Tested on: 12-07-21 in dry/wet condition

|         |                       | 1   |       |         | <u> </u> | <u> </u>   |               |            | <u> </u> | i        |
|---------|-----------------------|-----|-------|---------|----------|------------|---------------|------------|----------|----------|
|         |                       | Cas | sting | g Date* | Size     | Weight     | Area of       | Ultimate   | Ultimate |          |
| Sr. No. | Mark*                 | /W  | et V  | Veight  | (in)     | (lbs./gms) | X-<br>Section | load       | Stress   | Remarks  |
|         |                       |     | (gn   | ns)     |          |            | (Sq. in)      | (Tons/lbs) | (Psi)    |          |
| 1       | Dhous, Chunian        | 29  | 5     | 2021    | 6Diax12  | 13.2       | 28.28         | 73         | 5790     | Engraved |
| 2       | Dhous, Chunian        | 29  | 5     | 2021    | 6Diax12  | 13.2       | 28.28         | 47         | 3730     | Engraved |
| 3       | Dhous, Chunian        | 29  | 5     | 2021    | 6Diax12  | 13.2       | 28.28         | 71         | 5630     | Engraved |
| 4       | Sanda Kalan,<br>Kasur | 30  | 5     | 2021    | 6Diax12  | 14         | 28.28         | 45         | 3570     | Engraved |
| 5       | Sanda Kalan,<br>Kasur | 30  | 5     | 2021    | 6Diax12  | 13.8       | 28.28         | 23         | 1830     | Engraved |
| 6       | Sanda Kalan,<br>Kasur | 30  | 5     | 2021    | 6Diax12  | 13.6       | 28.28         | 35         | 2780     | Engraved |
| 7       |                       |     |       |         |          |            |               |            |          |          |
| 8       |                       |     |       |         |          |            |               |            |          |          |
| 9       |                       |     |       |         |          |            |               |            |          |          |
| 10      |                       |     |       |         |          |            |               |            |          |          |
| 11      |                       |     |       |         |          |            |               |            |          |          |
| 12      |                       |     |       |         |          |            |               |            |          |          |
| 13      |                       |     |       |         |          |            |               |            |          |          |
| 14      |                       |     |       |         |          |            |               |            |          |          |
| 15      |                       |     |       |         |          |            |               |            |          |          |
| 16      |                       |     |       |         |          |            |               |            |          |          |

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supervisor(lab)

<sup>\*</sup> as engraved on the specimens (if any)

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

<sup>\*\*\*</sup> BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

<sup>\*\*\*\*</sup> ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprerssive strength



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

1530

To: Mr. Adeel MumtaZ Dr. Mazar

M/s APM (Pvt.) Ltd. Lahore.

Project: Construction of H. No. 302, B Block, DHA Phase V, Lahore.

Our Ref. No. CL/CED/ 4327-1 of 2 Dated: 13-07-21

Your Ref. No. Nil Dated: 07-07-21

#### COMPRESSION TEST REPORT

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

Specimens received on: 06-07-2021. Tested on: 12-07-21 in dry/wet condition

|         |       | Cas | Casting Date* /Wet Weight |        | Size  | Weight     | Area of   | Ultimate   | Ultimate |          |
|---------|-------|-----|---------------------------|--------|-------|------------|-----------|------------|----------|----------|
| Sr. No. | Mark* | /W  | et V                      | Veight | (in)  | (lbs./gms) | X-Section | load       | Stress   | Remarks  |
| 0)      |       |     | (gn                       | ns)    |       |            | (Sq. in)  | (Tons/lbs) | (Psi)    |          |
| 1       |       | 11  | 4                         | 2021   | 6x6x6 | 7.4        | 36        | 35         | 2180     | Engraved |
| 2       |       |     |                           |        |       |            |           |            |          |          |
| 3       |       |     |                           |        |       |            |           |            |          |          |
| 4       |       |     |                           |        |       |            |           |            |          |          |
| 5       |       |     |                           |        |       |            |           |            |          |          |
| 6       |       |     |                           |        |       |            |           |            |          |          |
| 7       |       |     |                           |        |       |            |           |            |          |          |
| 8       |       |     |                           |        |       |            |           |            |          |          |
| 9       |       |     |                           |        |       |            |           |            |          |          |
| 10      |       |     |                           |        |       |            |           |            |          |          |
| 11      |       |     |                           |        |       |            |           |            |          |          |
| 12      |       |     |                           |        |       |            |           |            |          |          |
| 13      |       |     |                           |        |       |            |           |            |          |          |
| 14      |       |     |                           |        |       |            |           |            |          |          |
| 15      |       |     |                           |        |       |            |           |            |          |          |
| 16      |       |     |                           |        |       |            |           |            |          |          |

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supervisor(lab)

<sup>\*</sup> as engraved on the specimens (if any)

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

<sup>\*\*\*</sup> BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

<sup>\*\*\*\*</sup> ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprerssive strength



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

1483

To: Brig. Saeed Ahmed Malik (Resident Engineer)

Dr. Mazar

M/s NESPAK (Pvt.) Ltd. Lahore (Highways and Transportation Division)

Project: Rehabilitationof PCC Street No.5 Iqbal Chowk Harket Park Ashiana Road Nishter Zone Lahore

Our Ref. No. CL/CED/ 4328 Dated: 14-07-21

Your Ref. No. 4048/103/BSAM/104/468 Dated: 28-06-21

## COMPRESSION TEST REPORT

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

Specimens received on: 28-07-2021. Tested on: 12-07-21 in dry/wet condition

| _       |       | Ca | astin | g Date* | Size    | Weight     | Area of   | Ultimate   | Ultimate |              |
|---------|-------|----|-------|---------|---------|------------|-----------|------------|----------|--------------|
| Sr. No. | Mark* | Λ  | Vet   | Weight  | (in)    | (lbs./gms) | X-Section | load       | Stress   | Remarks      |
|         |       |    | (g    | ms)     |         |            | (Sq. in)  | (Tons/lbs) | (Psi)    |              |
| 1       |       | 1  | 6     | 2021    | 6Diax12 | 13         | 28.28     | 53         | 4200     | Non Engraved |
| 2       |       | 1  | 6     | 2021    | 6Diax12 | 13.6       | 28.28     | 54         | 4280     | Non Engraved |
| 3       |       | 1  | 6     | 2021    | 6Diax12 | 13         | 28.28     | 53         | 4200     | 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)

<sup>\*</sup> as engraved on the specimens (if any)

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

<sup>\*\*\*</sup> BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

<sup>\*\*\*\*</sup> ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprerssive strength



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1517

Го: M/s Saleem Construction Company (Pvt.) Ltd.

Dr.Umbreen

Lahore. Project: Nil

Our Ref. No. CL/CED/ 4329 Dated: 14-07-21

Your Ref. No. Cubes Test Dated: 05-07-21

## **COMPRESSION TEST REPORT**

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

Specimens received on: 05-07-21 Tested on: 13-07-21 in dry/wet condition

|         |                    | Cas | sting | Date*  | Size    | Weight     | Area of       | Ultimate   | Ultimate |          |
|---------|--------------------|-----|-------|--------|---------|------------|---------------|------------|----------|----------|
| Sr. No. | Mark*              | W   | et V  | Veight | (in)    | (lbs./gms) | X-<br>Section | load       | Stress   | Remarks  |
|         |                    |     | (gn   | ns)    |         |            | (Sq. in)      | (Tons/lbs) | (Psi)    |          |
| 1       | Line E Grid 5 to 7 | 28  | 6     | 2021   | 6Diax12 | 14         | 28.28         | 61         | 4840     | Engraved |
| 2       | Line E Grid 5 to 7 | 28  | 6     | 2021   | 6Diax12 | 14         | 28.28         | 67         | 5310     | Engraved |
| 3       | Line D Grid 3 to 7 | 29  | 6     | 2021   | 6Diax12 | 14         | 28.28         | 51         | 4040     | Engraved |
| 4       | Line D Grid 3 to 7 | 29  | 6     | 2021   | 6Diax12 | 14         | 28.28         | 63         | 4990     | Engraved |
| 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)

<sup>\*</sup> as engraved on the specimens (if any)

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

<sup>\*\*\*</sup> BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

<sup>\*\*\*\*</sup> ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprerssive strength



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1535

o: M/s MEDILAND Pakistan (Pvt.) Ltd.

Dr. Umbreen

Lahore. Project: Nil

Our Ref. No. CL/CED/ 4330 Dated: 14-07-21

Your Ref. No. Nil Dated: 17-06-21

## **COMPRESSION TEST REPORT**

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

Specimens received on: 07-07-21 Tested on: 13-07-21 in dry/wet condition

|         |       | Cas | sting | g Date* | Size    | Weight     | Area of       | Ultimate   | Ultimate |          |
|---------|-------|-----|-------|---------|---------|------------|---------------|------------|----------|----------|
| Sr. No. | Mark* | /W  | et V  | Veight  | (in)    | (lbs./gms) | X-<br>Section | load       | Stress   | Remarks  |
|         |       |     | (gn   | ns)     |         |            | (Sq. in)      | (Tons/lbs) | (Psi)    |          |
| 1       |       | 17  | 6     | 2021    | 6Diax12 | 13         | 28.28         | 33         | 2620     | Engraved |
| 2       |       | 17  | 6     | 2021    | 6Diax12 | 14         | 28.28         | 47         | 3730     | Engraved |
| 3       |       | 17  | 6     | 2021    | 6Diax12 | 13         | 28.28         | 35         | 2780     | Engraved |
| 4       |       | 17  | 6     | 2021    | 6Diax12 | 13.2       | 28.28         | 53         | 4200     | Engraved |
| 5       |       |     |       |         |         |            |               |            |          |          |
| 6       |       |     |       |         |         |            |               |            |          |          |
| 7       |       |     |       |         |         |            |               |            |          |          |
| 8       |       |     |       |         |         |            |               |            |          |          |
| 9       |       |     |       |         |         |            |               |            |          |          |
| 10      |       |     |       |         |         |            |               |            |          |          |
| 11      |       |     |       |         |         |            |               |            |          |          |
| 12      |       |     |       |         |         |            |               |            |          |          |
| 13      |       |     |       |         |         |            |               |            |          |          |
| 14      |       |     |       |         |         |            |               |            |          |          |
| 15      |       |     |       |         |         |            |               |            |          |          |
| 16      |       |     |       |         |         |            |               |            |          |          |

Results can also be seen on website <a href="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</a>

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)

<sup>\*</sup> as engraved on the specimens (if any)

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

<sup>\*\*\*</sup> BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

<sup>\*\*\*\*</sup> ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprerssive strength



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1516

To: Mr.M. Shahbaz Iqbal Dr. Umbreen

M/s BPS (Pvt.) Ltd. Lahore

**Project: Construction of Alpha Homes** 

Our Ref. No. CL/CED/ 4331 Dated: 14-07-21

Your Ref. No. Nil Dated: 05-07-21

## **COMPRESSION TEST REPORT**

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

Specimens received on: 05-07-21 Tested on: 13-07-21 in dry/wet condition

|         |                         | Cas | sting       | Date* | Size    | Weight     | Area of       | Ultimate   | Ultimate |              |
|---------|-------------------------|-----|-------------|-------|---------|------------|---------------|------------|----------|--------------|
| Sr. No. | Mark*                   | /W  | /Wet Weight |       | (in)    | (lbs./gms) | X-<br>Section | load       | Stress   | Remarks      |
|         |                         |     | (gn         | ns)   |         |            | (Sq. in)      | (Tons/lbs) | (Psi)    |              |
| 1       | Ground Floor<br>Columns | 31  | 5           | 2021  | 6Diax12 | 13.8       | 28.28         | 65         | 5150     | Non Engraved |
| 2       | Ground Floor<br>Columns | 31  | 5           | 2021  | 6Diax12 | 14         | 28.28         | 61         | 4840     | Non Engraved |
| 3       | Ground Floor<br>Columns | 31  | 5           | 2021  | 6Diax12 | 14.2       | 28.28         | 67         | 5310     | Non Engraved |
| 4       |                         |     |             |       |         |            |               |            |          |              |
| 5       |                         |     |             |       |         |            |               |            |          |              |
| 6       |                         |     |             |       |         |            |               |            |          |              |
| 7       |                         |     |             |       |         |            |               |            |          |              |
| 8       |                         |     |             |       |         |            |               |            |          |              |
| 9       |                         |     |             |       |         |            |               |            |          |              |
| 10      |                         |     |             |       |         |            |               |            |          |              |
| 11      |                         |     |             |       |         |            |               |            |          |              |
| 12      |                         |     |             |       |         |            |               |            |          |              |
| 13      |                         |     |             |       |         |            |               |            |          |              |
| 14      |                         |     |             |       |         |            |               |            |          |              |
| 15      |                         |     |             |       |         |            |               |            |          |              |
| 16      |                         |     |             |       |         |            |               |            |          |              |

Results can also be seen on website <a href="http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\_reports&id=6">http://www.uet.edu.pk/faculties/faculties/facultiesinfo/department?RID=testing\_reports&id=6</a>

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)

<sup>\*</sup> as engraved on the specimens (if any)

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

<sup>\*\*\*</sup> BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

<sup>\*\*\*\*</sup> ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprerssive strength



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1550

To: M/s Tijaarat Developers (Pvt.) Ltd. Lahore.

Dr. Umbreen

Lahore. Project: Nil

Our Ref. No. CL/CED/ 4332 Dated: 14-07-21

Your Ref. No. Nil Dated: 09-07-21

## **COMPRESSION TEST REPORT**

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

Specimens received on: 09-07-21 Tested on: 13-07-21 in dry/wet condition

|         |                     | Cas | sting | Date*  | Size    | Weight     | Area of       | Ultimate   | Ultimate |              |
|---------|---------------------|-----|-------|--------|---------|------------|---------------|------------|----------|--------------|
| Sr. No. | Mark*               |     |       | Veight | (in)    | (lbs./gms) | X-<br>Section | load       | Stress   | Remarks      |
|         |                     |     | (gn   | ns)    |         |            | (Sq. in)      | (Tons/lbs) | (Psi)    |              |
| 1       | 8th Floor Columns   | 3   | 6     | 2021   | 6Diax12 | 13         | 28.28         | 65         | 5150     | Non Engraved |
| 2       | 7th Floor Slab      | 8   | 6     | 2021   | 6Diax12 | 13.2       | 28.28         | 35         | 2780     | Non Engraved |
| 3       | 8th Floor Columns   | 10  | 6     | 2021   | 6Diax12 | 13.6       | 28.28         | 63         | 4990     | Non Engraved |
| 4       | 8th Floor Lift Wall | 12  | 6     | 2021   | 6Diax12 | 13         | 28.28         | 63         | 4990     | Non Engraved |
| 5       |                     |     |       |        |         |            |               |            |          |              |
| 6       |                     |     |       |        |         |            |               |            |          |              |
| 7       |                     |     |       |        |         |            |               |            |          |              |
| 8       |                     |     |       |        |         |            |               |            |          |              |
| 9       |                     |     |       |        |         |            |               |            |          |              |
| 10      |                     |     |       |        |         |            |               |            |          |              |
| 11      |                     |     |       |        |         |            |               |            |          |              |
| 12      |                     |     |       |        |         |            |               |            |          |              |
| 13      |                     |     |       |        |         |            |               |            |          |              |
| 14      |                     |     |       |        |         |            |               |            |          |              |
| 15      |                     |     |       |        |         |            |               |            |          | _            |
| 16      |                     |     |       |        |         |            |               |            |          |              |

Results can also be seen on website <a href="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</a>

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)

<sup>\*</sup> as engraved on the specimens (if any)

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

<sup>\*\*\*</sup> BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

<sup>\*\*\*\*</sup> ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprerssive strength



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

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To: Mr. Haris Ali Dr. Umbreen

Ho.No.1079 St. No. 7 Model Town Lahore. Project: Raya Villa 188 2 Kanal DRGCC Lahore.

Our Ref. No. CL/CED/ 4333 Dated: 14-07-21

Your Ref. No. Nil Dated: 06-07-21

## **COMPRESSION TEST REPORT**

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

Specimens received on: 09-07-21 Tested on: 13-07-21 in dry/wet condition

|         |       | Cas   | sting | Date*  | Size    | Weight     | Area of   | Ultimate   | Ultimate |          |
|---------|-------|-------|-------|--------|---------|------------|-----------|------------|----------|----------|
| Sr. No. | Mark* | /W    | et V  | Veight | (in)    | (lbs./gms) | X-Section | load       | Stress   | Remarks  |
| 0)      |       | (gms) |       |        |         |            | (Sq. in)  | (Tons/lbs) | (Psi)    |          |
| 1       |       | 29    | 6     | 2021   | 6Diax12 | 13         | 28.28     | 27         | 2140     | Engraved |
| 2       |       | 23    | 6     | 2021   | 6Diax12 | 13         | 28.28     | 35         | 2780     | 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)

<sup>\*</sup> as engraved on the specimens (if any)

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

<sup>\*\*\*</sup> BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

<sup>\*\*\*\*</sup> ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprerssive strength



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1566

To: M/s M. Siddique Sons (Pvt.) Ltd.

Dr. Yousaf

Lahore.

Project: 113/4-M Quaide-i-Azam Industrial Estate, Lahore

Our Ref. No. CL/CED/ 4334 Dated: 14-07-21

Your Ref. No. Nil Dated: 13-07-21

#### COMPRESSION TEST REPORT

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

Specimens received on: 13-07-21 Tested on: 14-07-21 in dry/wet condition

|         |            | Ca          | astin | g Date* | Size    | Weight     | Area of   | Ultimate   | Ultimate |              |
|---------|------------|-------------|-------|---------|---------|------------|-----------|------------|----------|--------------|
| Sr. No. | Mark*      | /Wet Weight |       |         | (in)    | (lbs./gms) | X-Section | load       | Stress   | Remarks      |
| 0)      |            | (gms)       |       |         |         |            | (Sq. in)  | (Tons/lbs) | (Psi)    |              |
| 1       | (3000) Psi | 4           | 7     | 2021    | 6Diax12 | 14.4       | 28.28     | 45         | 3570     | Non Engraved |
| 2       | (3000) Psi | 4           | 7     | 2021    | 6Diax12 | 14.2       | 28.28     | 47         | 3730     | Non Engraved |
| 3       | (3000) Psi | 4           | 7     | 2021    | 6Diax12 | 15         | 28.28     | 58         | 4600     | Non Engraved |
| 4       |            |             |       |         |         |            |           |            |          |              |
| 5       |            |             |       |         |         |            |           |            |          |              |
| 6       |            |             |       |         |         |            |           |            |          |              |
| 7       |            |             |       |         |         |            |           |            |          |              |
| 8       |            |             |       |         |         |            |           |            |          |              |
| 9       |            |             |       |         |         |            |           |            |          |              |
| 10      |            |             |       |         |         |            |           |            |          |              |
| 11      |            |             |       |         |         |            |           |            |          |              |
| 12      |            |             |       |         |         |            |           |            |          |              |
| 13      |            |             |       |         |         |            |           |            |          |              |
| 14      |            |             |       |         |         |            |           |            |          |              |
| 15      |            |             |       |         |         |            |           |            |          |              |
| 16      |            |             |       |         |         |            |           |            |          |              |

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supervisor(lab)

<sup>\*</sup> as engraved on the specimens (if any)

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

<sup>\*\*\*</sup> BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

<sup>\*\*\*\*</sup> ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprerssive strength



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1565

To: Mr. Magsood Ahmad (Project Coordinator)

Dr. M.Yousaf

M/s Banu Mukhtar Contracting (Pvt.) Ltd. Lahore.

Project: Ultra Kraft (Pvt.) Ltd. M3 Industrial Estate Faislabad

Our Ref. No. CL/CED/ 4335 Dated: 14-07-21

Your Ref. No. BML/300841/002 Dated: 06-07-21

#### **COMPRESSION TEST REPORT**

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

Specimens received on: 13-07-21 Tested on: 14-07-21 in dry/wet condition

|         |            | Cas         | sting | g Date* | Size    | Weight     | Area of   | Ultimate   | Ultimate |              |
|---------|------------|-------------|-------|---------|---------|------------|-----------|------------|----------|--------------|
| Sr. No. | Mark*      | /Wet Weight |       |         | (in)    | (lbs./gms) | X-Section | load       | Stress   | Remarks      |
| 0)      |            | (gms)       |       |         |         |            | (Sq. in)  | (Tons/lbs) | (Psi)    |              |
| 1       | (3000) Psi | 24          | 5     | 2021    | 6Diax12 | 14         | 28.28     | 51         | 4040     | Non Engraved |
| 2       | (3000) Psi | 24          | 5     | 2021    | 6Diax12 | 14         | 28.28     | 35         | 2780     | Non Engraved |
| 3       | (3000) Psi | 24          | 5     | 2021    | 6Diax12 | 14         | 28.28     | 48         | 3810     | 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)

<sup>\*</sup> as engraved on the specimens (if any)

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

<sup>\*\*\*</sup> BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

<sup>\*\*\*\*</sup> ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprerssive strength



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

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To: Mr. Asif Nadeem Khawar (Resident Engineer)

Dr. Umbreen

M/s Metroplan-Asian JV Minawali

Project: Resident Construction Supervision for Establishment of 200 Bedded mother & Child Hospital and Nursing College, District Mianwali

Our Ref. No. CL/CED/ 4336 Dated: 14-07-21

Metrplan Asian JV-

Your Ref. No. Nexus-MMCH-RE-950 Dated: 29-06-21

#### COMPRESSION TEST REPORT

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

Specimens received on: 09-07-21 Tested on: 13-07-21 in dry/wet condition

|         | Mark*                         | Casting Date* /Wet Weight |       |         | Size    | Weight     | Area of   | Ultimate   | Ultimate     |              |
|---------|-------------------------------|---------------------------|-------|---------|---------|------------|-----------|------------|--------------|--------------|
| Sr. No. |                               |                           |       |         | (in)    | (lbs./gms) | X-Section | load       | Stress       | Remarks      |
| 0)      |                               |                           | (gms) |         |         |            | (Sq. in)  | (Tons/lbs) | (Psi)        |              |
| 1       | 580 Field Cured<br>(6000) Psi | 4 6 2021                  |       | 6Diax12 | 14      | 28.28      | 104       | 8240       | Non Engraved |              |
| 2       | 580 Field Cured<br>(6000) Psi | 4                         | 6     | 2021    | 6Diax12 | 13.8       | 28.28     | 106        | 8400         | Non Engraved |
| 3       | 580 Field Cured<br>(6000) Psi | 4                         | 6     | 2021    | 6Diax12 | 13.8       | 28.28     | 128        | 10140        | Non Engraved |
| 4       | 580 Lab Cured<br>(6000) Psi   | 4                         | 6     | 2021    | 6Diax12 | 13.8       | 28.28     | 130        | 10300        | Non Engraved |
| 5       | 580 Lab Cured<br>(6000) Psi   | 4                         | 6     | 2021    | 6Diax12 | 14         | 28.28     | 114        | 9030         | Non Engraved |
| 6       | 580 Lab Cured<br>(6000) Psi   | 4                         | 6     | 2021    | 6Diax12 | 14         | 28.28     | 130        | 10300        | Non Engraved |
| 7       |                               |                           |       |         |         |            |           |            |              |              |
| 8       |                               |                           |       |         |         |            |           |            |              |              |
| 9       |                               |                           |       |         |         |            |           |            |              |              |
| 10      |                               |                           |       |         |         |            |           |            |              |              |
| 11      |                               |                           |       |         |         |            |           |            |              |              |
| 12      |                               |                           |       |         |         |            |           |            |              |              |
| 13      |                               |                           |       |         |         |            |           |            |              |              |
| 14      |                               |                           |       |         |         |            |           |            |              |              |
| 15      |                               |                           |       |         |         |            |           |            |              |              |
| 16      |                               |                           |       |         |         |            |           |            |              |              |

Results can also be seen on website <a href="http://www.uet.edu.pk/faculties/faculties/facultiesinfo/department?RID=testing\_reports&id=6">http://www.uet.edu.pk/faculties/faculties/facultiesinfo/department?RID=testing\_reports&id=6</a>

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

<sup>\*</sup> as engraved on the specimens (if any)

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

<sup>\*\*\*</sup> BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

<sup>\*\*\*\*</sup> ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprerssive strength