

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

# To: Brig. Saeed Ahmad Malik (Resident Engineer) Dr. Maz M/s NESPAk (Pvt.) Ltd. Lahore. (Highways and Transportation Division) Project: Rehabilitation of PCC Street Hashmi Street Muhammdi Street Qureshi Mohalah Mozang and Rehabilitation of Road Noor Shah Near Pulli Nallaha UC-68

| Our Ref. No. CL/CED/ | 3329                  | Dated: | 08-06-21 |
|----------------------|-----------------------|--------|----------|
| Your Ref. No.        | 4084/103/BSAM/104/426 | Dated: | 03-05-21 |

## **COMPRESSION TEST REPORT**

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

Specimens received on:

01-06-21

Tested on:

07-06-21 in dry/wet condition

| Sr. No. | Mark* | Casting Date*<br>/Wet Weight<br>(gms) |   | Size<br>(in) | Weight<br>(Ibs./gms) | Area of<br>X-<br>Section<br>(Sq. in) | Ultimate<br>load<br>(Tons/lbs) | Ultimate<br>Stress<br>(Psi) | Remarks |              |
|---------|-------|---------------------------------------|---|--------------|----------------------|--------------------------------------|--------------------------------|-----------------------------|---------|--------------|
| 1       |       | 28                                    | 4 | 2021         | 6x6x6                | 8.4                                  | 36                             | 108                         | 6720    | Non Engraved |
| 2       |       | 28                                    | 4 | 2021         | 6x6x6                | 8.2                                  | 36                             | 90                          | 5600    | Non Engraved |
| 3       |       | 28                                    | 4 | 2021         | 6x6x6                | 8                                    | 36                             | 81                          | 5040    | Non Engraved |
| 4       |       |                                       |   |              |                      |                                      |                                |                             |         |              |
| 5       |       |                                       |   |              |                      |                                      |                                |                             |         |              |
| 6       |       |                                       |   |              |                      |                                      |                                |                             |         |              |
| 7       |       |                                       |   |              |                      |                                      |                                |                             |         |              |
| 8       |       |                                       |   |              |                      |                                      |                                |                             |         |              |
| 9       |       |                                       |   |              |                      |                                      |                                |                             |         |              |
| 10      |       |                                       |   |              |                      |                                      |                                |                             |         |              |
| 11      |       |                                       |   |              |                      |                                      |                                |                             |         |              |
| 12      |       |                                       |   |              |                      |                                      |                                |                             |         |              |
| 13      |       |                                       |   |              |                      |                                      |                                |                             |         |              |
| 14      |       |                                       |   |              |                      |                                      |                                |                             |         |              |
| 15      |       |                                       |   |              |                      |                                      |                                |                             |         |              |
|         |       |                                       |   |              |                      |                                      |                                |                             |         |              |

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

\* as engraved on the specimens (if any)

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

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

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



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

To: Sub Divisional Officer

1293

Dr. Mazar

**Building Sub Division Kasur.** 

Project: Re-Construction of Dangerious Building (ADP 2021-21) / GS No. 17) Re-Construction of 04-Nos. Class Rooms in Govt. Boys High School Muhallam Kalan Tehsil & District Kasur (EMIS Code-35120028)

| Our Ref. No. CL/CED/ | 3330   | Dated: | 08-06-21 |
|----------------------|--------|--------|----------|
| Your Ref. No.        | No.208 | Dated: | 25-05-21 |

## COMPRESSION TEST REPORT

Tested on:

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

Specimens received on:

27-05-21

07-06-21 in dry/wet condition

| O       |                  | Casting Date* |      | Date* | Size  | Weight     | Area of   | Ultimate   | Ultimate |              |
|---------|------------------|---------------|------|-------|-------|------------|-----------|------------|----------|--------------|
| Sr. No. | Mark*            | /We           | t We | eight | (in)  | (lbs./gms) | X-Section | load       | Stress   | Remarks      |
| 0)      |                  | (             | gms  | 6)    |       |            | (Sq. in)  | (Tons/lbs) | (Psi)    |              |
| 1       | RCC Slab (1:2:4) | 20            | 5    | 2021  | 6x6x6 | 8.4        | 36        | 106        | 6600     | Non Engraved |
| 2       | RCC Slab (1:2:4) | 20            | 5    | 2021  | 6x6x6 | 8.4        | 36        | 118        | 7350     | Non Engraved |
| 3       |                  |               |      |       |       |            |           |            |          |              |
| 4       |                  |               |      |       |       |            |           |            |          |              |
| 5       |                  |               |      |       |       |            |           |            |          |              |
| 6       |                  |               |      |       |       |            |           |            |          |              |
| 7       |                  |               |      |       |       |            |           |            |          |              |
| 8       |                  |               |      |       |       |            |           |            |          |              |
| 9       |                  |               |      |       |       |            |           |            |          |              |
| 10      |                  |               |      |       |       |            |           |            |          |              |
| 11      |                  |               |      |       |       |            |           |            |          |              |
| 12      |                  |               |      |       |       |            |           |            |          |              |
| 13      |                  |               |      |       |       |            |           |            |          |              |
| 14      |                  |               |      |       |       |            |           |            |          |              |
| 15      |                  |               |      |       |       |            |           |            |          |              |
|         |                  |               |      |       |       |            |           |            |          |              |

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\*\*\* 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 comprensive 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)



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

To: Sub Divisional Officer

1293 Dr. Mazar

Building Sub Division Kasur. Project: Re-Construction of Boundary Wall for Establishment of Judicial Comples Kot Radha Kishan, District Kasur (ADP No. 3240 for the Year 2020-21)

| Our Ref. No. CL/CED/ | 3331   | Dated: | 08-06-21 |
|----------------------|--------|--------|----------|
| Your Ref. No.        | No.209 | Dated: | 25-05-21 |

## **COMPRESSION TEST REPORT**

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

Specimens received on:

27-05-21

Tested on:

07-06-21 in dry/wet condition

| Sr. No. | Mark*            | Casting Date*<br>/Wet Weight<br>(gms) |   | Size<br>(in) | Weight<br>(Ibs./gms) | Area of<br>X-<br>Section<br>(Sq. in) | Ultimate<br>load<br>(Tons/lbs) | Ultimate<br>Stress<br>(Psi) | Remarks |              |
|---------|------------------|---------------------------------------|---|--------------|----------------------|--------------------------------------|--------------------------------|-----------------------------|---------|--------------|
| 1       | RCC Slab (1:2:4) | 22                                    | 5 | 2021         | 6x6x6                | 8.4                                  | 36                             | 94                          | 5850    | Non Engraved |
| 2       | RCC Slab (1:2:4) | 22                                    | 5 | 2021         | 6x6x6                | 8.4                                  | 36                             | 98                          | 6100    | Non Engraved |
| 3       |                  |                                       |   |              |                      |                                      |                                |                             |         |              |
| 4       |                  |                                       |   |              |                      |                                      |                                |                             |         |              |
| 5       |                  |                                       |   |              |                      |                                      |                                |                             |         |              |
| 6       |                  |                                       |   |              |                      |                                      |                                |                             |         |              |
| 7       |                  |                                       |   |              |                      |                                      |                                |                             |         |              |
| 8       |                  |                                       |   |              |                      |                                      |                                |                             |         |              |
| 9       |                  |                                       |   |              |                      |                                      |                                |                             |         |              |
| 10      |                  |                                       |   |              |                      |                                      |                                |                             |         |              |
| 11      |                  |                                       |   |              |                      |                                      |                                |                             |         |              |
| 12      |                  |                                       |   |              |                      |                                      |                                |                             |         |              |
| 13      |                  |                                       |   |              |                      |                                      |                                |                             |         |              |
| 14      |                  |                                       |   |              |                      |                                      |                                |                             |         |              |
| 15      |                  |                                       |   |              |                      |                                      |                                |                             |         |              |
|         |                  |                                       |   |              |                      |                                      |                                |                             |         |              |

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\*\* 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)



To:

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

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

Dr Mazar

1287

**Deputy Director (Engg)** Rawalpindi Development Authority. Project: Dualization of Qadeer Khan Road from Islamambad Highway (Missile Chock ) to Falcon Complex, Rawalpindi.

| Our Ref. No. CL/CED/ | 3332-1 of 2         | Dated: | 08-06-21 |
|----------------------|---------------------|--------|----------|
| Your Ref. No.        | RDA/ED/DD/221-A/Rwp | Dated: | 23-04-21 |

#### COMPRESSION TEST REPORT

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

Specimens received on:

26-05-21

Tested on:

07-06-21 in dry/wet condition

| Sr. No. | Mark*      | Casting<br>Date*<br>/Wet<br>Weight | Size<br>(in) | Weight<br>(lbs./gms) | Area of<br>X-<br>Section | Ultimate<br>load | Ultimate<br>Stress | Remarks  |
|---------|------------|------------------------------------|--------------|----------------------|--------------------------|------------------|--------------------|----------|
| 0,      |            | (gms)                              |              |                      | (Sq. in)                 | (Tons/lbs)       | (Psi)              |          |
| 1       | Kerb Stone |                                    | 6x6x6        | 8.2                  | 36                       | 96               | 5980               | Cut Cube |
| 2       | Kerb Stone |                                    | 6x6x6        | 8                    | 36                       | 104              | 6480               | Cut Cube |
| 3       |            |                                    |              |                      |                          |                  |                    |          |
| 4       |            |                                    |              |                      |                          |                  |                    |          |
| 5       |            |                                    |              |                      |                          |                  |                    |          |
| 6       |            |                                    |              |                      |                          |                  |                    |          |
| 7       |            |                                    |              |                      |                          |                  |                    |          |
| 8       |            |                                    |              |                      |                          |                  |                    |          |
| 9       |            |                                    |              |                      |                          |                  |                    |          |
| 10      |            |                                    |              |                      |                          |                  |                    |          |
| 11      |            |                                    |              |                      |                          |                  |                    |          |
| 12      |            |                                    |              |                      |                          |                  |                    |          |
| 13      |            |                                    |              |                      |                          |                  |                    |          |
| 14      |            |                                    |              |                      |                          |                  |                    |          |
| 15      |            |                                    |              |                      |                          |                  |                    |          |
|         |            |                                    |              |                      |                          |                  |                    |          |

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

\* as engraved on the specimens (if any)

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

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

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



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

To: Deputy Director (Engg)

1287

Dr Mazar

Rawalpindi Development Authority. Project: Dualization of Qadeer Khan Road from Islamambad Highway (Missile Chock ) to Falcon Complex, Rawalpindi.

| Our Ref. No. CL/CED/ | 3332-2of 2          | Dated: | 08-06-21 |
|----------------------|---------------------|--------|----------|
| Your Ref. No.        | RDA/ED/DD/221-A/Rwp | Dated: | 23-04-21 |

# COMPRESSION TEST REPORT

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

Specimens received on:

26-05-21 Tested on:

07-06-21 in dry/wet condition

| Sr. No. | Mark*            | Casting<br>Date*<br>/Wet<br>Weight | Size<br>(in) | Weight<br>(Ibs./gms) | Area of<br>X-<br>Section | Ultimate<br>load | Ultimate<br>Stress | Remarks  |
|---------|------------------|------------------------------------|--------------|----------------------|--------------------------|------------------|--------------------|----------|
| 0,      |                  | (gms)                              |              |                      | (Sq. in)                 | (Tons/lbs)       | (Psi)              |          |
| 1       | Rectangular Grey |                                    | 7.7x3.8x2.0  | 2294                 | 29.26                    | 96               | 7350               | Cut Cube |
| 2       | Rectangular Grey |                                    | 7.7x3.8x2.0  | 2244                 | 29.26                    | 104              | 7970               | Cut Cube |
| 3       | Rectangular Grey |                                    | 7.7x3.8x2.0  | 2277                 | 29.26                    |                  |                    |          |
| 4       | Rectangular Grey |                                    | 7.7x3.8x2.0  | 2257                 | 29.26                    |                  |                    |          |
| 5       | Rectangular Grey |                                    | 7.7x3.8x2.0  | 2269                 | 29.26                    |                  |                    |          |
| 6       | Rectangular Red  |                                    | 7.7x3.8x2.0  | 2250                 | 29.26                    |                  |                    |          |
| 7       | Rectangular Red  |                                    | 7.7x3.8x2.0  | 2258                 | 29.26                    |                  |                    |          |
| 8       | Rectangular Red  |                                    | 7.7x3.8x2.0  | 2278                 | 29.26                    |                  |                    |          |
| 9       | Rectangular Red  |                                    | 7.7x3.8x2.0  | 2242                 | 29.26                    |                  |                    |          |
| 10      | Rectangular Red  |                                    | 7.7x3.8x2.0  | 2261                 | 29.26                    |                  |                    |          |
| 11      |                  |                                    |              |                      |                          |                  |                    |          |
| 12      |                  |                                    |              |                      |                          |                  |                    |          |
| 13      |                  |                                    |              |                      |                          |                  |                    |          |
| 14      |                  |                                    |              |                      |                          |                  |                    |          |
| 15      |                  |                                    |              |                      |                          |                  |                    |          |
|         |                  |                                    |              |                      |                          |                  |                    |          |

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supervisor(lab)



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

1305 Dr. Mazar

#### To: Sub Divisional Officer Buildings Sub Division Nankana Sahib Project: Up-Gradation of Government Elementary School Nabi Pur Piran to High Level District Nankana Sahib. (EMIS Code 35610054)

| Our Ref. No. CL/CED/ | 3333               | Dated: | 08-06-21 |
|----------------------|--------------------|--------|----------|
| Your Ref. No.        | No.612/SDO/BSD/NNS | Dated: | 17-05-21 |

## **COMPRESSION TEST REPORT**

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

Specimens received on:

31-05-21 Tested on:

07-06-21 in dry/wet condition

| Sr. No. | Mark*            | Casting<br>Date*<br>/Wet<br>Weight | Size<br>(in) | Weight<br>(Ibs./gms) | Area of<br>X-<br>Section | Ultimate<br>load | Ultimate<br>Stress | Remarks |
|---------|------------------|------------------------------------|--------------|----------------------|--------------------------|------------------|--------------------|---------|
|         |                  | (gms)                              |              |                      | (Sq. in)                 | (Tons/lbs)       | (Psi)              |         |
| 1       | Rectangular Grey |                                    | 7.8x3.9x2.3  | 2541                 | 30.42                    | 47               | 3470               |         |
| 2       | Rectangular Grey |                                    | 7.8x3.9x2.3  | 2627                 | 30.42                    | 83               | 6120               |         |
| 3       | Rectangular Grey |                                    | 7.8x3.9x2.3  | 2594                 | 30.42                    | 79               | 5820               |         |
| 4       | Rectangular Grey |                                    | 7.8x3.9x2.3  | 2658                 | 30.42                    | 71               | 5230               |         |
| 5       | Rectangular Grey |                                    | 7.8x3.9x2.3  | 2648                 | 30.42                    | 73               | 5380               |         |
| 6       | Rectangular Grey |                                    | 7.8x3.9x2.3  | 2645                 | 30.42                    | 71               | 5230               |         |
| 7       | Rectangular Grey |                                    | 7.8x3.9x2.3  | 2603                 | 30.42                    | 88               | 6480               |         |
| 8       | Rectangular Red  |                                    | 7.8x3.9x2.3  | 2620                 | 30.42                    | 77               | 5670               |         |
| 9       | Rectangular Red  |                                    | 7.8x3.9x2.3  | 2664                 | 30.42                    | 79               | 5820               |         |
| 10      | Rectangular Red  |                                    | 7.8x3.9x2.3  | 2606                 | 30.42                    | 67               | 4940               |         |
| 11      | Rectangular Red  |                                    | 7.8x3.9x2.3  | 2632                 | 30.42                    | 75               | 5530               |         |
| 12      | Rectangular Red  |                                    | 7.8x3.9x2.3  | 2654                 | 30.42                    | 96               | 7070               |         |
| 13      |                  |                                    |              |                      |                          |                  |                    |         |
| 14      |                  |                                    |              |                      |                          |                  |                    |         |
| 15      |                  |                                    |              |                      |                          |                  |                    |         |
|         |                  |                                    |              |                      |                          |                  |                    |         |

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\* as engraved on the specimens (if any)

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#### supervisor(lab)



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

| To: | Mr. Syed Tasawur Hussain Naqvi (Asst. Executive Engineer-III)   | Dr. Mazar    |
|-----|---|--------------|
|     | CCD,Pak.PWD. Gujrawala.<br>Project: Up-Gradation of Government Elementary School Nabi Pur Piran to High Level Dist<br>Sahib. (EMIS Code 35610054) | rict Nankana |

| Our Ref. No. CL/CED/ | 3334                                 | Dated: | 08-06-21 |
|----------------------|--------------------------------------|--------|----------|
| Your Ref. No.        | AEE-III/CCD/GA/Work/<br>NHMP-/P-1/10 | Dated: | 10-02-21 |

#### **COMPRESSION TEST REPORT**

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

| Specimens received on: | 19-05-21 | Tested on: |
|------------------------|----------|------------|

07-06-21 in dry/wet condition

17-00-21 In dry/wet condition

1229

| ö       |       | Casting<br>Date* | Size        | Weight     | Area of       | Ultimate   | Ultimate |         |
|---------|-------|------------------|-------------|------------|---------------|------------|----------|---------|
| Sr. No. | Mark* | /Wet<br>Weight   | (in)        | (lbs./gms) | X-<br>Section | load       | Stress   | Remarks |
|         |       | (gms)            |             |            | (Sq. in)      | (Tons/lbs) | (Psi)    |         |
| 1       | 7     |                  | 8.8x4.3x2.8 | 2994       | 37.84         | 45         | 2670     |         |
| 2       | 7     |                  | 8.7x4.3x2.9 | 3035       | 37.41         | 45         | 2700     |         |
| 3       | 7     |                  | 8.7x4.3x2.8 | 2934       | 37.41         | 43         | 2580     |         |
| 4       | 7     |                  | 8.8x4.3x2.7 | 2812       | 37.84         | 53         | 3140     |         |
| 5       | 7     |                  | 8.7x4.3x2.9 | 3028       | 37.41         | 47         | 2820     |         |
| 6       |       |                  |             |            |               |            |          |         |
| 7       |       |                  |             |            |               |            |          |         |
| 8       |       |                  |             |            |               |            |          |         |
| 9       |       |                  |             |            |               |            |          |         |
| 10      |       |                  |             |            |               |            |          |         |
| 11      |       |                  |             |            |               |            |          |         |
| 12      |       |                  |             |            |               |            |          |         |
| 13      |       |                  |             |            |               |            |          |         |
| 14      |       |                  |             |            |               |            |          |         |
| 15      |       |                  |             |            |               |            |          |         |
|         |       |                  |             |            |               |            |          |         |

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

#### To: M/s Shafi Agro (Pvt.) Ltd.

#### Lahore. **Project: Nil**

| Our Ref. No. CL/CED/ | 3335 | Dated: | 08-06-21 |
|----------------------|------|--------|----------|
| Your Ref. No.        | Nil  | Dated: | 26-05-21 |

#### COMPRESSION TEST REPORT

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

Specimens received on:

26-05-21 Tested on:

07-06-21 in dry/wet condition

| Sr. No. | Mark* | Casting<br>Date*<br>/Wet<br>Weight<br>(gms) | Size<br>(in) | Weight<br>(Ibs./gms) | Area of<br>X-Section<br>(Sq. in) | Ultimate<br>load<br>(Tons/lbs) | Ultimate<br>Stress<br>(Psi) | Remarks |
|---------|-------|---|--------------|----------------------|----------------------------------|--------------------------------|-----------------------------|---------|
| 1       | AB    | (gillo)                                     | 8.6x4.3x2.8  | 2839                 | 36.98                            | 75                             | 4550                        |         |
|         |       |   |              |                      |                                  |                                |                             |         |
| 2       | AB    |   | 8.7x4.3x2.9  | 2886                 | 37.41                            | 57                             | 3420                        |         |
| 3       | AB    |   | 8.7x4.3x2.9  | 3005                 | 37.41                            |                                |                             |         |
| 4       | AB    |   | 8.7x4.3x2.8  | 2908                 | 37.41                            |                                |                             |         |
| 5       |       |   |              |                      |                                  |                                |                             |         |
| 6       |       |   |              |                      |                                  |                                |                             |         |
| 7       |       |   |              |                      |                                  |                                |                             |         |
| 8       |       |   |              |                      |                                  |                                |                             |         |
| 9       |       |   |              |                      |                                  |                                |                             |         |
| 10      |       |   |              |                      |                                  |                                |                             |         |
| 11      |       |   |              |                      |                                  |                                |                             |         |
| 12      |       |   |              |                      |                                  |                                |                             |         |
| 13      |       |   |              |                      |                                  |                                |                             |         |
| 14      |       |   |              |                      |                                  |                                |                             |         |
| 15      |       |   |              |                      |                                  |                                |                             |         |
|         |       |   |              |                      |                                  |                                |                             |         |

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

\* as engraved on the specimens (if any)

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

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

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



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

To: Mr. M. Nadeem Zafarullah

1244

Dr Mazar

Incharge (Civil) Sui Nothern Gas Pipelines Limited. Project: Construction of Store for Material and Equipment alongwith Fiber Glass for Parking for Corrosion Control at Repater Station G-1, Muridkay

| Our Ref. No. CL/CED | 3336                 | Dated: | 08-06-21 |
|---------------------|----------------------|--------|----------|
| Your Ref. No.       | CC/Ashed/Muridkey/01 | Dated: | 03-06-21 |

## COMPRESSION TEST REPORT

Tested on:

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

Specimens received on:

04-06-21

07-06-21 in dry/wet condition

Ultimate Ultimate Casting Date\* Size Weight Area of Š Х-Mark\* /Wet Weight (in) (lbs./gms) load Stress Remarks Section <u>ດ</u> (gms) (Sq. in) (Tons/lbs) (Psi) 1 9 4 2021 6x6x6 8.6 36 122 7600 Engraved 2 9 4 2021 6x6x6 88 124 7720 Engraved 36 3 4 5 6 7 8 9 10 11 12 13 14 15 Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing\_reports&id=6

\* as engraved on the specimens (if any)

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

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

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

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

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

supervisor(lab)



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

#### To: Brig. Saeed Ahmed Malik (Resident Engineer) NESPAK (Pvt.) Ltd. Lahore.

Project: Rehabilitation of Main Road at Village Theater Bedian Road Lahore

Tested on:

| Our Ref. No. CL/CE | D/                                  | 3337 | Dated: | 08-06-21 |
|--------------------|-------------------------------------|------|--------|----------|
| Your Ref. No.      | our Ref. No. 4084/103/BSAM/104/4046 |      | Dated: | 24-04-21 |

## COMPRESSION TEST REPORT

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

Specimens received on:

27-05-21

07-06-21 in dry/wet condition

| <b></b> |         | <u> </u> |       |         |       |            |               |            |          |              |
|---------|---------|----------|-------|---------|-------|------------|---------------|------------|----------|--------------|
|         |         | Ca       | sting | g Date* | Size  | Weight     | Area of       | Ultimate   | Ultimate |              |
| Sr. No. | Mark*   | ///      | /et V | Veight  | (in)  | (lbs./gms) | X-<br>Section | load       | Stress   | Remarks      |
|         |         |          | (gr   | ns)     |       |            | (Sq. in)      | (Tons/lbs) | (Psi)    |              |
| 1       | (1:2:4) | 22       | 5     | 2021    | 6x6x6 | 8.6        | 36            | 71         | 4420     | Non Engraved |
| 2       | (1:2:4) | 22       | 5     | 2021    | 6x6x6 | 9          | 36            | 106        | 6600     | Non Engraved |
| 3       | (1:2:4) | 22       | 5     | 2021    | 6x6x6 | 9          | 36            | 92         | 5730     | Non Engraved |
| 4       |         |          |       |         |       |            |               |            |          |              |
| 5       |         |          |       |         |       |            |               |            |          |              |
| 6       |         |          |       |         |       |            |               |            |          |              |
| 7       |         |          |       |         |       |            |               |            |          |              |
| 8       |         |          |       |         |       |            |               |            |          |              |
| 9       |         |          |       |         |       |            |               |            |          |              |
| 10      |         |          |       |         |       |            |               |            |          |              |
| 11      |         |          |       |         |       |            |               |            |          |              |
| 12      |         |          |       |         |       |            |               |            |          |              |
| 13      |         |          |       |         |       |            |               |            |          |              |
| 14      |         |          |       |         |       |            |               |            |          |              |
| 15      |         |          |       |         |       |            |               |            |          |              |
|         |         |          |       |         |       |            |               |            |          |              |

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

\* as engraved on the specimens (if any)

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

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

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



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

#### To: Contractor

1346 Dr Mazar

| M/s Top Con (Pvt.) Ltd. Lahore. (Kohinoor Mills Ltd.)<br>Project: Construction of Fabric Gowon at Khinoor Mill |      |       |  |  |  |
|--|------|-------|--|--|--|
| Our Bof No. CL/CED/  | 2220 | Deted |  |  |  |

| Our Ref. No. CL/CED/ | 3338         | Dated: | 08-06-21 |
|----------------------|--------------|--------|----------|
| Your Ref. No.        | TCL-101/2021 | Dated: | 04-06-21 |

Tested on:

#### COMPRESSION TEST REPORT

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

Specimens received on:

04-06-21

07-06-21 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-Section | load       | Stress   | Remarks      |
|         |       |     | (gn   | ns)     |       |            | (Sq. in)  | (Tons/lbs) | (Psi)    |              |
| 1       |       | 29  | 4     | 2021    | 6x6x6 | 8.4        | 36        | 65         | 4050     | Non Engraved |
| 2       |       | 29  | 4     | 2021    | 6x6x6 | 8.6        | 36        | 91         | 5670     | Non Engraved |
| 3       |       | 3   | 5     | 2021    | 6x6x6 | 8.8        | 36        | 102        | 6350     | Non Engraved |
| 4       |       | 3   | 5     | 2021    | 6x6x6 | 8.8        | 36        | 83         | 5170     | Non Engraved |
| 5       |       |     |       |         |       |            |           |            |          |              |
| 6       |       |     |       |         |       |            |           |            |          |              |
| 7       |       |     |       |         |       |            |           |            |          |              |
| 8       |       |     |       |         |       |            |           |            |          |              |
| 9       |       |     |       |         |       |            |           |            |          |              |
| 10      |       |     |       |         |       |            |           |            |          |              |
| 11      |       |     |       |         |       |            |           |            |          |              |
| 12      |       |     |       |         |       |            |           |            |          |              |
| 13      |       |     |       |         |       |            |           |            |          |              |
| 14      |       |     |       |         |       |            |           |            |          |              |
| 15      |       |     |       |         |       |            |           |            |          |              |
|         |       |     |       |         |       |            |           |            |          |              |

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

\* as engraved on the specimens (if any)

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

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

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



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

To: Mr. Muhammad Shahbaz M/s Imperium Hospitality (Pvt.) Ltd. Lahore

**Project: Nil** 

| Our Ref. No. CL/CED/ | 3339         | Dated: | 08-06-21 |
|----------------------|--------------|--------|----------|
| Your Ref. No.        | IHPL/Con/277 | Dated: | 26-05-21 |

## COMPRESSION TEST REPORT

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

Specimens received on:

02-06-21 Tested on:

07-06-21 in dry/wet condition

| o.      |             | Ca | Casting Date*<br>/Wet Weight |      | Size    | Weight     | Area of   | Ultimate   | Ultimate |              |
|---------|-------------|----|------------------------------|------|---------|------------|-----------|------------|----------|--------------|
| Sr. No. | Mark*       | Λ  |                              |      | (in)    | (lbs./gms) | X-Section | load       | Stress   | Remarks      |
| S       |             |    | (g                           | ms)  |         |            | (Sq. in)  | (Tons/lbs) | (Psi)    |              |
| 1       | 4(4000) Psi | 3  | 5                            | 2021 | 6Diax12 | 14         | 28.28     | 59         | 4680     | Non Engraved |
| 2       | 5(4000) Psi | 3  | 5                            | 2021 | 6Diax12 | 14.2       | 28.28     | 59         | 4680     | Non Engraved |
| 3       | 6(4000) Psi | 3  | 5                            | 2021 | 6Diax12 | 14         | 28.28     | 53         | 4200     | Non Engraved |
| 4       |             |    |                              |      |         |            |           |            |          |              |
| 5       |             |    |                              |      |         |            |           |            |          |              |
| 6       |             |    |                              |      |         |            |           |            |          |              |
| 7       |             |    |                              |      |         |            |           |            |          |              |
| 8       |             |    |                              |      |         |            |           |            |          |              |
| 9       |             |    |                              |      |         |            |           |            |          |              |
| 10      |             |    |                              |      |         |            |           |            |          |              |
| 11      |             |    |                              |      |         |            |           |            |          |              |
| 12      |             |    |                              |      |         |            |           |            |          |              |
| 13      |             |    |                              |      |         |            |           |            |          |              |
| 14      |             |    |                              |      |         |            |           |            |          |              |
| 15      |             |    |                              |      |         |            |           |            |          |              |
|         |             |    |                              |      |         |            |           |            |          |              |

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

\* as engraved on the specimens (if any)

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

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

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



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

#### To: Mr. Muhammad Shahbaz M/s Imperium Hospitality (Pvt.) Ltd. Lahore

**Project: Nil** 

Our Ref. No. CL/CED/ 3340 Dated: 08-06-21 Your Ref. No. IHPL/Con/273 Dated: 26-05-21

## COMPRESSION TEST REPORT

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

Specimens received on:

02-06-21 Tested on:

07-06-21 in dry/wet condition

1327

Dr Mazar

|         |              | Са | astir | g Date* | Size    | Weight     | Area of   | Ultimate   | Ultimate |              |
|---------|--------------|----|-------|---------|---------|------------|-----------|------------|----------|--------------|
| Sr. No. | Mark*        | Λ  | Vet   | Weight  | (in)    | (lbs./gms) | X-Section | load       | Stress   | Remarks      |
| S       |              |    | (g    | ms)     |         |            | (Sq. in)  | (Tons/lbs) | (Psi)    |              |
| 1       | 14(4000) Psi | 1  | 5     | 2021    | 6Diax12 | 15.4       | 28.28     | 53         | 4200     | Non Engraved |
| 2       | 15(4000) Psi | 1  | 5     | 2021    | 6Diax12 | 14         | 28.28     | 51         | 4040     | Non Engraved |
| 3       | 16(4000) Psi | 1  | 5     | 2021    | 6Diax12 | 14         | 28.28     | 43         | 3410     | Non Engraved |
| 4       |              |    |       |         |         |            |           |            |          |              |
| 5       |              |    |       |         |         |            |           |            |          |              |
| 6       |              |    |       |         |         |            |           |            |          |              |
| 7       |              |    |       |         |         |            |           |            |          |              |
| 8       |              |    |       |         |         |            |           |            |          |              |
| 9       |              |    |       |         |         |            |           |            |          |              |
| 10      |              |    |       |         |         |            |           |            |          |              |
| 11      |              |    |       |         |         |            |           |            |          |              |
| 12      |              |    |       |         |         |            |           |            |          |              |
| 13      |              |    |       |         |         |            |           |            |          |              |
| 14      |              |    |       |         |         |            |           |            |          |              |
| 15      |              |    |       |         |         |            |           |            |          |              |
|         |              |    |       |         |         |            |           |            |          |              |

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

\* as engraved on the specimens (if any)

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

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

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



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

#### To: Mr. Muhammad Shahbaz M/s Imperium Hospitality (Pvt.) Ltd. Lahore

**Project: Nil** 

Our Ref. No. CL/CED/ 3341 Dated: 08-06-21 Your Ref. No. Dated: IHPL/Con/275 26-05-21

## COMPRESSION TEST REPORT

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

Specimens received on:

02-06-21 Tested on:

07-06-21 in dry/wet condition

1327

Dr Mazar

|         |              | C -                       | octin | na Date* | Size    | Weight     | Area of   | Ultimate   | Ultimate |              |
|---------|--------------|---------------------------|-------|----------|---------|------------|-----------|------------|----------|--------------|
| Sr. No. |              | Casting Date* /Wet Weight |       |          |         |            |           |            |          | Demode       |
| Sr. I   | Mark*        | //                        | vet   | vveight  | (in)    | (lbs./gms) | X-Section | load       | Stress   | Remarks      |
|         |              |                           | (g    | ms)      |         |            | (Sq. in)  | (Tons/lbs) | (Psi)    |              |
| 1       | 14(4000) Psi | 2                         | 5     | 2021     | 6Diax12 | 14.4       | 28.28     | 51         | 4040     | Non Engraved |
| 2       | 15(4000) Psi | 2                         | 5     | 2021     | 6Diax12 | 14         | 28.28     | 59         | 4680     | Non Engraved |
| 3       | 16(4000) Psi | 2                         | 5     | 2021     | 6Diax12 | 14         | 28.28     | 61         | 4840     | Non Engraved |
| 4       |              |                           |       |          |         |            |           |            |          |              |
| 5       |              |                           |       |          |         |            |           |            |          |              |
| 6       |              |                           |       |          |         |            |           |            |          |              |
| 7       |              |                           |       |          |         |            |           |            |          |              |
| 8       |              |                           |       |          |         |            |           |            |          |              |
| 9       |              |                           |       |          |         |            |           |            |          |              |
| 10      |              |                           |       |          |         |            |           |            |          |              |
| 11      |              |                           |       |          |         |            |           |            |          |              |
| 12      |              |                           |       |          |         |            |           |            |          |              |
| 13      |              |                           |       |          |         |            |           |            |          |              |
| 14      |              |                           |       |          |         |            |           |            |          |              |
| 15      |              |                           |       |          |         |            |           |            |          |              |
|         |              |                           |       |          |         |            |           |            |          |              |

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

\* as engraved on the specimens (if any)

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

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

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



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

#### To: Mr. Muhammad Shahbaz M/s Imperium Hospitality (Pvt.) Ltd. Lahore

**Project: Nil** 

| Our Ref. No. CL/CED/ | 3342         | Dated: | 08-06-21 |
|----------------------|--------------|--------|----------|
| Your Ref. No.        | IHPL/Con/274 | Dated: | 26-05-21 |

### COMPRESSION TEST REPORT

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

Specimens received on:

02-06-21 Tested on:

07-06-21 in dry/wet condition

1327

Dr Mazar

|         |             | Casting Date* |     | ig 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       | 4(8000) Psi | 1             | 5   | 2021     | 6Diax12 | 14.4       | 28.28     | 75         | 5950     | Non Engraved |
| 2       | 5(8000) Psi | 1             | 5   | 2021     | 6Diax12 | 13.8       | 28.28     | 73         | 5790     | Non Engraved |
| 3       | 6(8000) Psi | 1             | 5   | 2021     | 6Diax12 | 14.2       | 28.28     | 73         | 5790     | Non Engraved |
| 4       |             |               |     |          |         |            |           |            |          |              |
| 5       |             |               |     |          |         |            |           |            |          |              |
| 6       |             |               |     |          |         |            |           |            |          |              |
| 7       |             |               |     |          |         |            |           |            |          |              |
| 8       |             |               |     |          |         |            |           |            |          |              |
| 9       |             |               |     |          |         |            |           |            |          |              |
| 10      |             |               |     |          |         |            |           |            |          |              |
| 11      |             |               |     |          |         |            |           |            |          |              |
| 12      |             |               |     |          |         |            |           |            |          |              |
| 13      |             |               |     |          |         |            |           |            |          |              |
| 14      |             |               |     |          |         |            |           |            |          |              |
| 15      |             |               |     |          |         |            |           |            |          |              |
|         |             |               |     |          |         |            |           |            |          |              |

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

\* as engraved on the specimens (if any)

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

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

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



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

To: Mr. Muhammad Shahbaz M/s Imperium Hospitality (Pvt.) Ltd. Lahore

#### **Project: Nil**

| Our Ref. No. CL/CED/ | 3343         | Dated: | 08-06-21 |
|----------------------|--------------|--------|----------|
| Your Ref. No.        | IHPL/Con/276 | Dated: | 26-05-21 |

#### COMPRESSION TEST REPORT

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

Specimens received on:

02-06-21 Tested on:

07-06-21 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      |
| Sr.     | Mark         | / •         |       |         | (11)    | (103./9113) |           |            |          | Remarks      |
|         |              |             | (g    | ms)     |         |             | (Sq. in)  | (Tons/lbs) | (Psi)    |              |
| 1       | 13(8000) Psi | 2           | 5     | 2021    | 6Diax12 | 14          | 28.28     | 86         | 6820     | Non Engraved |
| 2       | 14(8000) Psi | 2           | 5     | 2021    | 6Diax12 | 14.1        | 28.28     | 92         | 7290     | Non Engraved |
| 3       | 15(8000) Psi | 2           | 5     | 2021    | 6Diax12 | 14.2        | 28.28     | 86         | 6820     | Non Engraved |
| 4       |              |             |       |         |         |             |           |            |          |              |
| 5       |              |             |       |         |         |             |           |            |          |              |
| 6       |              |             |       |         |         |             |           |            |          |              |
| 7       |              |             |       |         |         |             |           |            |          |              |
| 8       |              |             |       |         |         |             |           |            |          |              |
| 9       |              |             |       |         |         |             |           |            |          |              |
| 10      |              |             |       |         |         |             |           |            |          |              |
| 11      |              |             |       |         |         |             |           |            |          |              |
| 12      |              |             |       |         |         |             |           |            |          |              |
| 13      |              |             |       |         |         |             |           |            |          |              |
| 14      |              |             |       |         |         |             |           |            |          |              |
| 15      |              |             |       |         |         |             |           |            |          |              |
|         |              |             |       |         |         |             |           |            |          |              |

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

\* as engraved on the specimens (if any)

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

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

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