



# Plain and Reinforced Concrete Laboratory

## Department of Civil Engineering

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10424

To: M. Farrukh Saif (Resident Engineer)

Dr. Mazhar Saleem

Engineering Consultancy Services Punjab (Pvt.) Ltd. Lahore

Project: Resident Supervision for Construction of Remaining / Lift Over Works of PSIC House at Davis Road Lahore Phase

Our Ref. No. CL/CED/

671

Dated:

24-08-20

Your Ref. No.

314/PSIC/RE/01

Dated:

17-08-20

## COMPRESSION TEST REPORT

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

Specimens received on:

17-08-20

Tested on:

24-08-20

in dry/wet condition

| Sr. No. | Mark* | Casting Date*<br>Wet Weight<br>(gms) | Size<br>(in) | Weight<br>(lbs./gms) | Area of<br>X-<br>Section<br>(Sq. in) | Ultimate<br>load<br>(Tons/lbs) | Ultimate<br>Stress<br>(Psi) | Remarks |
|---------|-------|--------------------------------------|--------------|----------------------|--------------------------------------|--------------------------------|-----------------------------|---------|
| 1       | B-3   |                                      | 8.8x4.3x2.9  | 3287                 | 37.84                                | 35                             | 2080                        |         |
| 2       | B-3   |                                      | 8.8x4.2x2.8  | 3167                 | 36.96                                | 53                             | 3220                        |         |
| 3       | B-3   |                                      | 8.9x4.3x2.8  | 3098                 | 38.27                                | 39                             | 2290                        |         |
| 4       | B-3   |                                      | 8.8x4.2x2.9  | 3138                 | 36.96                                | 45                             | 2730                        |         |
| 5       | B-3   |                                      | 9.0x4.4x3.0  | 3256                 | 39.6                                 | 51                             | 2890                        |         |
| 6       | B-3   |                                      | 8.9x4.4x2.9  | 3208                 | 39.16                                | 41                             | 2350                        |         |
| 7       | A-9   |                                      | 8.8x4.3x3.0  | 3059                 | 37.84                                | 59                             | 3500                        |         |
| 8       | A-9   |                                      | 8.9x4.4x3.0  | 3068                 | 39.16                                | 47                             | 2690                        |         |
| 9       | A-9   |                                      | 8.8x4.3x3.0  | 3119                 | 37.84                                | 47                             | 2790                        |         |
| 10      | A-9   |                                      | 8.8x4.4x2.9  | 3047                 | 38.72                                | 53                             | 3070                        |         |
| 11      | A-9   |                                      | 9.0x4.4x3.0  | 3128                 | 39.6                                 | 53                             | 3000                        |         |
| 12      | A-9   |                                      | 8.9x4.3x3.0  | 3112                 | 38.27                                | 57                             | 3340                        |         |
| 13      |       |                                      |              |                      |                                      |                                |                             |         |
| 14      |       |                                      |              |                      |                                      |                                |                             |         |
| 15      |       |                                      |              |                      |                                      |                                |                             |         |
| 16      |       |                                      |              |                      |                                      |                                |                             |         |

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

\* as engraved on the specimens (if any)

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

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

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

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

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

supervisor(lab)

Director/Dy. Director Concrete Laboratory