# Plain and Reinforced Concrete Laboratory
## Civil Engineering Department
University of Engineering and Technology, Lahore. Pakistan
Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895


**ORIGINAL**
A carbon copy for the report has been retained in the lab for record.

**2626**
**Dr. M. Yousaf**

**To:** **Resident Engineer**
**M/s HA Consulting JV Mascon Associates**

**Project: Punjab Model Bazzar Sheikhupura Package A**

**Our Ref. No. CL/CED/ 8029** **Dated: 14-02-22** **Test Specification**

**Your Ref. No. PMBA/22/002** **Dated: 20-01-22** **( ---- )**

# COMPRESSION TEST REPORT

ONLINE REPORT

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

**Specimens received on:** 20-01-22 **Tested on:** 14-02-22 **in dry/wet condition**

| Sr. No. | Mark* | Casting Date* DD | MM | YYYY | Size (in) | Wet Weight (Kg/ gms) | Dry Weight (Kg/ gms) | Area of X-Section (Sq. in) | Ultimate load (Imp.Tons) | Ultimate Stress (psi) | Water Absorption (%) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | GBC | --- | --- | --- | 8.7 x 4.2 x 2.8 | 3347 | 2965 | 36.54 | 30 | 1839 | 12.88 | --- |
| 2 | GBC | --- | --- | --- | 8.8 x 4.2 x 2.9 | 3717 | 3310 | 36.96 | 29 | 1758 | 12.3 | --- |
| 3 | GBC | --- | --- | --- | 8.7 x 4.2 x 2.8 | 3410 | 3045 | 36.54 | 29 | 1778 | 11.99 | --- |
| 4 | GBC | --- | --- | --- | 8.7 x 4.2 x 2.9 | 3443 | 3040 | 36.54 | 27 | 1655 | 13.26 | --- |
| 5 | ABC | --- | --- | --- | 8.8 x 4.3 x 3 | 3815 | 3365 | 37.84 | 40 | 2368 | 13.37 | --- |
| 6 | ABC | --- | --- | --- | 8.5 x 4 x 2.9 | 3620 | 3185 | 34 | 52 | 3426 | 13.66 | --- |
| 7 | ABC | --- | --- | --- | 8.7 x 4.3 x 2.9 | 3745 | 3255 | 37.41 | 46 | 2754 | 15.05 | --- |
| 8 | R | --- | --- | --- | 8.5 x 4 x 2.7 | 3155 | 2930 | 34 | 57 | 3755 | 7.68 | --- |
| 9 | R | --- | --- | --- | 8.5 x 4 x 2.7 | 3190 | 2965 | 34 | 51 | 3360 | 7.59 | --- |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

**Witnessed by:**

**Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/**

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprerssive strength

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

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

**Supervisor (Lab)** **Director/Dy. Director Concrete Laboratory**

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**ORIGINAL**
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**2689**
**Dr. M. Yousaf**

**To:** **Mr. Ahtesham Ali (Purchase Officer)**
**Riaz Textile Mills (Pvt.) Ltd.**

**Project: Riaz Textile Mills (Pvt.) Ltd.**

**Our Ref. No. CL/CED/ 8030** **Dated: 14-02-22** **Test Specification**

**Your Ref. No. Nil** **Dated: 03-02-22** **( ---- )**

# COMPRESSION TEST REPORT

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

**Specimens received on: 03-02-22 Tested on: 11-02-22 in dry/wet condition**

ONLINE REPORT

| Sr. No. | Mark* | Casting Date* DD | MM | YYYY | Size (in) | Wet Weight (Kg/ gms) | Dry Weight (Kg/ gms) | Area of X-Section (Sq. in) | Ultimate load (Imp.Tons) | Ultimate Stress (psi) | Water Absorption (%) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Uni-block Grey | --- | --- | --- | 2.3 Thick | --- | 3495 | 37.45 | 143 | 8553 | --- | --- |
| 2 | Uni-block Grey | --- | --- | --- | 2.3 Thick | --- | 3410 | 37.45 | 142 | 8493 | --- | --- |
| 3 | Uni-block Grey | --- | --- | --- | 2.3 Thick | --- | 3605 | 37.45 | 150 | 8972 | --- | --- |
| 4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

**Witnessed by:**

**Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/**

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprerssive strength

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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
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**Supervisor (Lab)** **Director/Dy. Director Concrete Laboratory**

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**ORIGINAL**
A carbon copy for the report has been retained in the lab for record.

**2578**
**Dr. Rizwan Riaz**

**To:** **Executive Engineer**
**6th Buildings Division, Lahore**

**Project: Upgradation of 09 Civil Veterinary Hospitals at Divisional Level in Punjab One at Harbanspura Lahore, Maintenance/Extension of Government School Buildings in UC Nos. 109, 111, 113, Lahore,**

**Our Ref. No. CL/CED/ 8031** **Dated: 14-02-22**

**Test Specification**

**Your Ref. No. 1817/C** **Dated: 10-01-22**

**( BS 3921** )**

# COMPRESSION TEST REPORT

ONLINE REPORT

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

**Specimens received on:** 12-01-22 **Tested on:** 09-02-22 **in dry/wet condition**

| Sr. No. | Mark* | Casting Date* DD | MM | YYYY | Size (in) | Wet Weight (Kg/ gms) | Dry Weight (Kg/ gms) | Area of X-Section (Sq. in) | Ultimate load (Imp.Tons) | Ultimate Stress (psi) | Water Absorption (%) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 7UP | --- | --- | --- | 8.8 x 4.3 x 3 | 3610 | 3200 | 37.84 | 51 | 3019 | 12.81 | --- |
| 2 | 7UP | --- | --- | --- | 8.8 x 4.4 x 3 | 3830 | 3370 | 38.72 | 47 | 2719 | 13.65 | --- |
| 3 | 7UP | --- | --- | --- | 8.9 x 4.3 x 3 | 3735 | 3350 | 38.27 | 51 | 2985 | 11.49 | --- |
| 4 | 7UP | --- | --- | --- | 8.8 x 4.3 x 2.8 | 3645 | 3235 | 37.84 | 53 | 3137 | 12.67 | --- |
| 5 | 7UP | --- | --- | --- | 8.9 x 4.4 x 3.1 | 3860 | 3430 | 39.16 | 53 | 3032 | 12.54 | --- |
| 6 | 7UP | --- | --- | --- | 8.9 x 4.3 x 3 | 3705 | 3310 | 38.27 | 47 | 2751 | 11.93 | --- |
| 7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

**Witnessed by:**

**Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/**

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**Supervisor (Lab)** **Director/Dy. Director Concrete Laboratory**

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**ORIGINAL**
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**2611**
**Engr. Ubaid**

**To:** **Sub Divisional Officer**
**Buildings Sub Division No.21, Lahore**

**Project: Construction of Girls School Building at Sadhoki Lahore in NA-135 District Lahore (ADP No.163 for 2021-22)**

**Our Ref. No. CL/CED/ 8032** **Dated: 14-02-22** **Test Specification**

**Your Ref. No. 2164/21** **Dated: 18-12-21** **( ---- )**

# COMPRESSION TEST REPORT

ONLINE REPORT

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

**Specimens received on:** 18-01-22 **Tested on:** 10-02-22 **in dry/wet condition**

| Sr. No. | Mark* | Casting Date* DD | MM | YYYY | Size (in) | Wet Weight (Kg/ gms) | Dry Weight (Kg/ gms) | Area of X-Section (Sq. in) | Ultimate load (Imp.Tons) | Ultimate Stress (psi) | Water Absorption (%) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | MA | --- | --- | --- | 8.8 x 4.3 x 3 | --- | 3355 | 37.84 | 60 | 3552 | --- | --- |
| 2 | MA | --- | --- | --- | 8.9 x 4.4 x 2.9 | --- | 3340 | 39.16 | 50 | 2860 | --- | --- |
| 3 | MA | --- | --- | --- | 8.9 x 4.3 x 3 | --- | 3390 | 38.27 | 33 | 1932 | --- | --- |
| 4 | S4 | --- | --- | --- | 8.8 x 4.3 x 2.9 | --- | 3410 | 37.84 | 46 | 2723 | --- | --- |
| 5 | S4 | --- | --- | --- | 8.8 x 4.3 x 3 | --- | 3635 | 37.84 | 48 | 2841 | --- | --- |
| 6 | S4 | --- | --- | --- | 8.8 x 4.3 x 3.1 | --- | 3705 | 37.84 | 46 | 2723 | --- | --- |
| 7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

**Witnessed by:**

**Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/**

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**Supervisor (Lab)** **Director/Dy. Director Concrete Laboratory**

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**ORIGINAL**
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**2695**
**Dr. Umbreen**

**To:** Deputy Director Engg. (Sec I & II, Package-I, LOLMTP, LDA, Lahore)
Lahore Development Authority, Lahore

**Project: Construction of TMA Office, Shalamar Town, Lahore Orange Line Metro Train Project (Package-I)**

**Our Ref. No. CL/CED/ 8033** **Dated: 14-02-22** **Test Specification**

**Your Ref. No. DD/PKG-I/LOLMTP/LDA/13** **Dated: 02-02-22** **( ASTM C39 )**

# COMPRESSION TEST REPORT

ONLINE REPORT

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

**Specimens received on: 03-02-22 Tested on: 10-02-22 in dry/wet condition**

| Sr. No. | Mark* | Casting Date* DD | MM | YYYY | Size (in) | Wet Weight (Kg/ gms) | Dry Weight (Kg/ gms) | Area of X-Section (Sq. in) | Ultimate load (Imp.Tons) | Ultimate Stress (psi) | Water Absorption (%) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Uni-block Grey-80 mm | --- | --- | --- | 3.1 Thick | --- | 4560 | 37.95 | 176 | 10388 | --- | --- |
| 2 | Uni-block Grey-80 mm | --- | --- | --- | 3.1 Thick | --- | 4520 | 37.95 | 158 | 9326 | --- | --- |
| 3 | Uni-block Grey-80 mm | --- | --- | --- | 3.1 Thick | --- | 4780 | 37.95 | 140 | 8264 | --- | --- |
| 4 | Uni-block Red-80 mm | --- | --- | --- | 3.1 Thick | --- | 4515 | 37.95 | 158 | 9326 | --- | --- |
| 5 | Uni-block Red-80 mm | --- | --- | --- | 3.1 Thick | --- | 4575 | 37.95 | 153 | 9031 | --- | --- |
| 6 | Uni-block Red-80 mm | --- | --- | --- | 3.1 Thick | --- | 4465 | 37.95 | 143 | 8441 | --- | --- |
| 7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

**Witnessed by: Nil**

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**Supervisor (Lab)** **Director/Dy. Director Concrete Laboratory**

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**ORIGINAL**
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**2684**
**Engr. Ubaid**

**To:** **Sub Divisional Officer**
**Buildings Sub Division Shahkot**

**Project: Provision of Missing Facilities at GGPS Punj Muraba Tehsil Shahkot District Nankana Sahib**

**Our Ref. No. CL/CED/ 8034** **Dated: 14-02-22** **Test Specification**

**Your Ref. No. 2598/Skt** **Dated: 21-12-21** **( BS 3921** )**

# COMPRESSION TEST REPORT

ONLINE REPORT

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

**Specimens received on:** 02-01-22 **Tested on:** 10-02-22 **in dry/wet condition**

| Sr. No. | Mark* | Casting Date* DD | MM | YYYY | Size (in) | Wet Weight (Kg/ gms) | Dry Weight (Kg/ gms) | Area of X-Section (Sq. in) | Ultimate load (Imp.Tons) | Ultimate Stress (psi) | Water Absorption (%) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11 | --- | --- | --- | 8.8 x 4.3 x 2.9 | --- | 3270 | 37.84 | 48 | 2841 | --- | --- |
| 2 | 11 | --- | --- | --- | 8.7 x 4.4 x 2.9 | --- | 3105 | 38.28 | 38 | 2224 | --- | --- |
| 3 | 11 | --- | --- | --- | 8.8 x 4.3 x 3 | --- | 3155 | 37.84 | 54 | 3197 | --- | --- |
| 4 | 11 | --- | --- | --- | 8.7 x 4.3 x 3 | --- | 3125 | 37.41 | 34 | 2036 | --- | --- |
| 5 | 11 | --- | --- | --- | 8.7 x 4.2 x 2.9 | --- | 3120 | 36.54 | 47 | 2881 | --- | --- |
| 6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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**Supervisor (Lab)** **Director/Dy. Director Concrete Laboratory**

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**ORIGINAL**
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2632
Engr. Ubaid

**To:** (Muhammad Waleed Arshad)
Assistant Resident Engineer, NESPAK (Pvt) Ltd. (M/s MWEB ARCC JV)

Project: Storm Water Drainage System from Haji Camp to River Ravi via Lakshmi Chowk, Mcleoad Road, Nabha Road, Chuburji and Sham Nagar, Lahore (Package-II)

Our Ref. No. CL/CED/ 8035 Dated: 14-02-22 Test Specification

Your Ref. No. 3882/11/MWA/01/284 Dated: 17-01-22 ( BS 3921** )

# COMPRESSION TEST REPORT

ONLINE REPORT

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

**Specimens received on:** 20-01-22 **Tested on:** 10-02-22 **in dry/wet condition**

| Sr. No. | Mark* | Casting Date* DD | MM | YYYY | Size (in) | Wet Weight (Kg/ gms) | Dry Weight (Kg/ gms) | Area of X-Section (Sq. in) | Ultimate load (Imp.Tons) | Ultimate Stress (psi) | Water Absorption (%) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 39 | --- | --- | --- | 8.8 x 4.3 x 3 | 3570 | 3165 | 37.84 | 37 | 2190 | 12.8 | --- |
| 2 | 39 | --- | --- | --- | 8.8 x 4.3 x 2.9 | 3485 | 3090 | 37.84 | 50 | 2960 | 12.78 | --- |
| 3 | 39 | --- | --- | --- | 9 x 4.2 x 3.1 | 3475 | 3120 | 37.8 | 36 | 2133 | 11.38 | --- |
| 4 | 39 | --- | --- | --- | 8.9 x 4.4 x 2.8 | 3505 | 3115 | 39.16 | 34 | 1945 | 12.52 | --- |
| 5 | 39 | --- | --- | --- | 9 x 4.3 x 3 | 3485 | 3125 | 38.7 | 52 | 3010 | 11.52 | --- |
| 6 | 39 | --- | --- | --- | 8.8 x 4.3 x 3 | 3510 | 3135 | 37.84 | 32 | 1894 | 11.96 | --- |
| 7 | 5 | --- | --- | --- | 8.9 x 4.3 x 3 | 3720 | 3375 | 38.27 | 50 | 2927 | 10.22 | --- |
| 8 | 5 | --- | --- | --- | 9 x 4.2 x 3.1 | 3660 | 3290 | 37.8 | 40 | 2370 | 11.25 | --- |
| 9 | 5 | --- | --- | --- | 8.9 x 4.3 x 2.9 | 3740 | 3370 | 38.27 | 39 | 2283 | 10.98 | --- |
| 10 | 5 | --- | --- | --- | 9 x 4.3 x 3 | 3630 | 3265 | 38.7 | 42 | 2431 | 11.18 | --- |
| 11 | 5 | --- | --- | --- | 8.8 x 4.3 x 3 | 3750 | 3365 | 37.84 | 38 | 2249 | 11.44 | --- |
| 12 | 5 | --- | --- | --- | 8.9 x 4.3 x 2.9 | 3705 | 3320 | 38.27 | 48 | 2810 | 11.6 | --- |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

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

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

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

**Supervisor (Lab)** **Director/Dy. Director Concrete Laboratory**

# Plain and Reinforced Concrete Laboratory
## Civil Engineering Department
University of Engineering and Technology, Lahore. Pakistan
Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895


**ORIGINAL**
A carbon copy for the report has been retained in the lab for record.

**2629**
**Engr. Ubaid**

**To:** **Muhammad Imran Khan (Material Engineer ECSP, MPA Hostel, Phase II)**
**Engineering Consultancy Services Punjab (Pvt.) Limited**

**Project: Engineering Consultancy Services for Construction of MPA's Hostel Lahore, Phase-II (Group No.1)**

**Our Ref. No. CL/CED/ 8036** **Dated: 14-02-22** **Test Specification**

**Your Ref. No. 340/ECSP/MPA/ME/09** **Dated: 12-01-22** **( BS 3921** )**

# COMPRESSION TEST REPORT

ONLINE REPORT

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

**Specimens received on:** 20-01-22 **Tested on:** 10-02-22 **in dry/wet condition**

| Sr. No. | Mark* | Casting Date* DD | MM | YYYY | Size (in) | Wet Weight (Kg/ gms) | Dry Weight (Kg/ gms) | Area of X-Section (Sq. in) | Ultimate load (Imp.Tons) | Ultimate Stress (psi) | Water Absorption (%) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 23 | --- | --- | --- | 9 x 4.4 x 3 | 3755 | 3370 | 39.6 | 39 | 2206 | 11.42 | --- |
| 2 | 23 | --- | --- | --- | 8.7 x 4.3 x 3.1 | 3695 | 3230 | 37.41 | 38 | 2275 | 14.4 | --- |
| 3 | 23 | --- | --- | --- | 8.8 x 4.3 x 3 | 3715 | 3345 | 37.84 | 44 | 2605 | 11.06 | --- |
| 4 | 23 | --- | --- | --- | 8.7 x 4.3 x 2.8 | 3550 | 3185 | 37.41 | 43 | 2575 | 11.46 | --- |
| 5 | 23 | --- | --- | --- | 8.9 x 4.3 x 3.1 | 3765 | 3385 | 38.27 | 50 | 2927 | 11.23 | --- |
| 6 | Sword | --- | --- | --- | 8.9 x 4.4 x 3 | 3665 | 3295 | 39.16 | 44 | 2517 | 11.23 | --- |
| 7 | Sword | --- | --- | --- | 9 x 4.4 x 3 | 3605 | 3245 | 39.6 | 46 | 2602 | 11.09 | --- |
| 8 | Sword | --- | --- | --- | 8.8 x 4.3 x 3 | 3575 | 3190 | 37.84 | 60 | 3552 | 12.07 | --- |
| 9 | Sword | --- | --- | --- | 8.8 x 4.4 x 3 | 3718 | 3328 | 38.72 | 38 | 2198 | 11.72 | --- |
| 10 | Sword | --- | --- | --- | 8.7 x 4.3 x 2.9 | 3520 | 3150 | 37.41 | 34 | 2036 | 11.75 | --- |
| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

**Witnessed by:**

**Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/**

1. * as engraved on the specimens (if any)
2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
4. **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprerssive strength

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

1.The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients)
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**Supervisor (Lab)** **Director/Dy. Director Concrete Laboratory**

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## Civil Engineering Department
University of Engineering and Technology, Lahore. Pakistan
Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895


**ORIGINAL**
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**2616**
**Engr. Ubaid**

**To:** **Engr. Muhammad Waqas Younis (Maintenance Engineer PU, Lahore)**
**University of the Punjab, Lahore**

**Project: Construction of School of Economics at Q.A.C. University of the Punjab, Lahore**

**Our Ref. No. CL/CED/ 8037** **Dated: 14-02-22** **Test Specification**

**Your Ref. No. D-741-MEIV/DE** **Dated: 14-01-22** **( BS 3921** )**

# COMPRESSION TEST REPORT

ONLINE REPORT

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

**Specimens received on:** 19-01-22 **Tested on:** 10-02-22 **in dry/wet condition**

| Sr. No. | Mark* | Casting Date* DD | MM | YYYY | Size (in) | Wet Weight (Kg/ gms) | Dry Weight (Kg/ gms) | Area of X-Section (Sq. in) | Ultimate load (Imp.Tons) | Ultimate Stress (psi) | Water Absorption (%) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | ST | --- | --- | --- | 8.5 x 4.2 x 2.7 | 3465 | 3145 | 35.7 | 90 | 5647 | 10.17 | --- |
| 2 | ST | --- | --- | --- | 8.5 x 4.1 x 2.8 | 3540 | 3215 | 34.85 | 56 | 3599 | 10.11 | --- |
| 3 | ST | --- | --- | --- | 8.8 x 4.2 x 2.8 | 3555 | 3250 | 36.96 | 80 | 4848 | 9.38 | --- |
| 4 | ST | --- | --- | --- | 8.7 x 4.2 x 2.8 | 3515 | 3200 | 36.54 | 50 | 3065 | 9.84 | --- |
| 5 | ST | --- | --- | --- | 8.5 x 4.1 x 2.7 | 3485 | 3180 | 34.85 | 58 | 3728 | 9.59 | --- |
| 6 | ST | --- | --- | --- | 8.7 x 4.3 x 2.8 | 3700 | 3370 | 37.41 | 52 | 3114 | 9.79 | --- |
| 7 | ST | --- | --- | --- | 8.7 x 4.2 x 2.8 | 3595 | 3260 | 36.54 | 48 | 2943 | 10.28 | --- |
| 8 | ST | --- | --- | --- | 8.9 x 4.4 x 2.7 | 3620 | 3315 | 39.16 | 46 | 2631 | 9.2 | --- |
| 9 | ST | --- | --- | --- | 8.4 x 3.9 x 2.8 | 3615 | 3305 | 32.76 | 46 | 3145 | 9.38 | --- |
| 10 | ST | --- | --- | --- | 8.4 x 4 x 2.8 | 3560 | 3245 | 33.6 | 66 | 4400 | 9.71 | --- |
| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

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**Supervisor (Lab)** **Director/Dy. Director Concrete Laboratory**

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**ORIGINAL**
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**2616**
**Engr. Ubaid**

**To:** **Engr. Muhammad Waqas Younis (Maintenance Engineer PU, Lahore)**
**University of the Punjab, Lahore**

**Project: Construction of 08 Nos F-Type Apartments (Three Beds) for IER Faculty at Q.A.C. University of the Punjab, Lahore**

**Our Ref. No. CL/CED/ 8038** **Dated: 14-02-22** **Test Specification**

**Your Ref. No. D-1881-DE** **Dated: 11-01-22** **( BS 3921** )**

# COMPRESSION TEST REPORT

ONLINE REPORT

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

**Specimens received on:** 19-01-22 **Tested on:** 10-02-22 **in dry/wet condition**

| Sr. No. | Mark* | Casting Date* DD | MM | YYYY | Size (in) | Wet Weight (Kg/ gms) | Dry Weight (Kg/ gms) | Area of X-Section (Sq. in) | Ultimate load (Imp.Tons) | Ultimate Stress (psi) | Water Absorption (%) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | ST | --- | --- | --- | 8.2 x 3.8 x 2.9 | 3410 | 3125 | 31.16 | 50 | 3594 | 9.12 | --- |
| 2 | ST | --- | --- | --- | 8.7 x 4.3 x 2.9 | 3660 | 3350 | 37.41 | 48 | 2874 | 9.25 | --- |
| 3 | ST | --- | --- | --- | 8.2 x 4 x 2.8 | 3540 | 3235 | 32.8 | 40 | 2732 | 9.43 | --- |
| 4 | ST | --- | --- | --- | 8.3 x 4 x 2.7 | 3435 | 3100 | 33.2 | 32 | 2159 | 10.81 | --- |
| 5 | ST | --- | --- | --- | 8.9 x 4 x 2.9 | 3895 | 3550 | 35.6 | 52 | 3272 | 9.72 | --- |
| 6 | ST | --- | --- | --- | 8.3 x 4 x 2.9 | 3610 | 3275 | 33.2 | 34 | 2294 | 10.23 | --- |
| 7 | ST | --- | --- | --- | 8.6 x 4.2 x 2.9 | 3500 | 3185 | 36.12 | 66 | 4093 | 9.89 | --- |
| 8 | ST | --- | --- | --- | 8.7 x 4.2 x 2.8 | 3615 | 3290 | 36.54 | 90 | 5517 | 9.88 | --- |
| 9 | ST | --- | --- | --- | 8.5 x 4.2 x 2.8 | 3535 | 3215 | 35.7 | 86 | 5396 | 9.95 | --- |
| 10 | ST | --- | --- | --- | 8.8 x 4.3 x 2.9 | 3810 | 3455 | 37.84 | 44 | 2605 | 10.27 | --- |
| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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