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


10220
Dr.Mazhar
Saleem

**To: Syed Yasir Ali (Resident Engineer)**
**UET Narowal Lahore Campus, Nespak (Pvt.) Ltd.**
**Project: Establishment of U.E.T Lahore Sub Campus at Narowal (Construction of Electrical & Mechanical Engineering Department) (Balance Work)**

Our Ref. No. CL/CED/ 338 Dated: 02-07-20

Your Ref. No. UETNESPAK/13/Testing/JYA/02 Dated: 23-06-20

# COMPRESSION TEST REPORT

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

Specimens received on: 24-06-20 Tested on: 02-07-20 in dry/wet condition

| Sr. No. | Mark* | Casting Date* /Wet Weight (gms) | | | Size (in) | Weight (lbs./gms) | Area of X-Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 6 1 | | | | 8.5x4.3x2.8 | 2803 | 36.55 | 49 | 3010 | |
| 2 | 6 1 | | | | 8.6x4.3x2.9 | 2840 | 36.98 | 31 | 1880 | |
| 3 | 6 1 | | | | 8.6x4.2x2.8 | 2905 | 36.12 | 31 | 1930 | |
| 4 | 6 1 | | | | 8.7x4.3x2.9 | 2839 | 37.41 | 39 | 2340 | |
| 5 | 6 1 | | | | 8.5x4.3x2.7 | 2832 | 36.55 | 53 | 3250 | |
| 6 | 6 1 | | | | 8.6x4.3x2.7 | 2861 | 36.98 | 41 | 2490 | |
| 7 | 6 1 | | | | 8.7x4.2x2.8 | 2876 | 36.54 | 37 | 2270 | |
| 8 | 6 1 | | | | 8.7x4.3x2.9 | 2909 | 37.41 | 43 | 2580 | |
| 9 | 6 1 | | | | 8.6x4.2x2.8 | 3013 | 36.12 | 53 | 3290 | |
| 10 | 6 1 | | | | 8.7x4.3x2.9 | 2867 | 37.41 | 25 | 1500 | |
| 11 | 6 1 | | | | 8.8x4.2x2.9 | 2798 | 36.96 | 31 | 1880 | |
| 12 | 6 1 | | | | 8.7x4.3x2.8 | 2881 | 37.41 | 43 | 2580 | |
| 13 | | | | | | | | | | |
| 14 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 16 | | | | | | | | | | |

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 compresssive strength

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

**supervisor(lab)** **Director/Dy. Director Concrete Laboratory**

# Plain and Reinforced Concrete Laboratory
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10240

**To:** **New Continental Engineers** Dr. Umbreen
**9-S Commercial, Phase II DHA, Lahore.**
**Project: SE LB (SP-1) INMOL**

Our Ref. No. CL/CED/ 339 Dated: 02-07-20

Your Ref. No. NIL Dated: 29-06-20

# COMPRESSION TEST REPORT

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

Specimens received on: 29-06-20 Tested on: 01-07-20 in dry/wet condition

| Sr. No. | Mark* | Casting Date* /Wet Weight (gms) | | | Size (in) | Weight (lbs./gms) | Area of X-Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 21 | 6 | 20 | 6Diax12 | 13.6 | 28.28 | 39 | 3090 | Non Engraved |
| 2 | | 21 | 6 | 20 | 6Diax12 | 14 | 28.28 | 33 | 2620 | Non Engraved |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
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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 comprerssive strength

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**supervisor(lab)** **Director/Dy. Director Concrete Laboratory**

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


10229

**To:** **Rana Aadil Farooq (Deputy Director QCD)** Dr.Mazhar Saleem
**WASA, LDA, Lahore (M/s Babar Construction Company)**
**Project: Tender No.XEN (O&M-I) /NT/2019-20/170 For Improvement of sewerage System at Sammyry Chowk D-Block to Rohi Nala Youhababad in Kahna Sub Division WASA, LDA, Lahore**

Our Ref. No. CL/CED/ 340 Dated: 02-07-20

Your Ref. No. QCD/1108-09 Dated: 23-06-20

# COMPRESSION TEST REPORT

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

Specimens received on: 24-06-20 Tested on: 02-07-20 in dry/wet condition

| Sr. No. | Mark* | Casting Date* /Wet Weight (gms) | Size (in) | Weight (lbs./gms) | Area of X-Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | | 8.8x4.3x2.8 | 3128 | 37.84 | 53 | 3140 | |
| 2 | 1 | | 8.8x4.2x2.9 | 3120 | 36.96 | 53 | 3220 | |
| 3 | 1 | | 8.7x4.3x2.8 | 3092 | 37.41 | 47 | 2820 | |
| 4 | 1 | | 8.8x4.3x2.8 | 3086 | 37.84 | 59 | 3500 | |
| 5 | 1 | | 8.9x4.3x2.9 | 3112 | 38.27 | 39 | 2290 | |
| 6 | 1 | | 8.8x4.2x2.8 | 3082 | 36.96 | 49 | 2970 | |
| 7 | | | | | | | | |
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* as engraved on the specimens (if any)
** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
*** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength
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**To:** **Rana Aadil Farooq (Deputy Director QCD)** Dr.Mazhar Saleem
**WASA, LDA, Lahore (M/s Babar Construction Company)**
**Project: Tender No.XEN (O&M-I) /NT/2019-20/172 For Improvement of Sewerage System at Tally Chowk to Billa Pan Shop Chowk F-Block Youhababad in Kahna Sub Division WASA, LDA, Lahore**

Our Ref. No. CL/CED/ 341 Dated: 02-07-20

Your Ref. No. QCD/1112-13 Dated: 22-06-20

# COMPRESSION TEST REPORT

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

Specimens received on: 24-06-20 Tested on: 02-07-20 in dry/wet condition

| Sr. No. | Mark* | Casting Date* /Wet Weight (gms) | Size (in) | Weight (lbs./gms) | Area of X-Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks |
|---|---|---|---|---|---|---|---|---|
| 1 | S | | 8.8x4.4x2.8 | 2987 | 38.72 | 51 | 2950 | |
| 2 | S | | 8.8x4.3x2.8 | 3021 | 37.84 | 41 | 2430 | |
| 3 | S | | 8.9x4.3x2.7 | 2996 | 38.27 | 77 | 4510 | |
| 4 | S | | 8.8x4.2x2.9 | 3028 | 36.96 | 41 | 2490 | |
| 5 | S | | 8.7x4.2x2.7 | 3109 | 36.54 | 55 | 3380 | |
| 6 | S | | 8.9x4.2x2.8 | 3046 | 37.38 | 41 | 2460 | |
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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 comprerssive strength

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10229

**To:** **Rana Aadil Farooq (Deputy Director QCD)** Dr.Mazhar Saleem
**WASA, LDA, Lahore (M/s Babar Construction Company)**
**Project: Tender No.XEN (O&M-I) /NT/2019-20/171 For Improvement of Sewerage System at Tally Chowk to Makha Chowk F-Block Youhababad in Kahna Sub Division WASA, LDA, Lahore**

Our Ref. No. CL/CED/ 342 Dated: 02-07-20

Your Ref. No. QCD/1100-01 Dated: 23-06-20

# COMPRESSION TEST REPORT

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

Specimens received on: 24-06-20 Tested on: 02-07-20 in dry/wet condition

| Sr. No. | Mark* | Casting Date* /Wet Weight (gms) | Size (in) | Weight (lbs./gms) | Area of X-Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks |
|---|---|---|---|---|---|---|---|---|
| 1 | S | | 8.8x4.2x2.9 | 3108 | 36.96 | 49 | 2970 | |
| 2 | S | | 8.8x4.2x2.8 | 3126 | 36.96 | 55 | 3340 | |
| 3 | S | | 8.7x4.2x2.7 | 3048 | 36.54 | 81 | 4970 | |
| 4 | S | | 8.8x4.3x2.9 | 3086 | 37.84 | 61 | 3620 | |
| 5 | S | | 8.8x4.2x2.9 | 3118 | 36.96 | 47 | 2850 | |
| 6 | S | | 8.8x4.3x2.8 | 2990 | 37.84 | 55 | 3260 | |
| 7 | | | | | | | | |
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**To:** **Rana Aadil Farooq (Deputy Director QCD)** Dr.Mazhar Saleem
**WASA, LDA, Lahore (M/s Babar Construction Company)**
**Project: Tender No.XEN (O&M-I) /NT/2019-20/168 For Improvement of Sewerage System at Old Nishter Colony Lift Station to Mundri Chowk F-Block Youhababad in Kahna Sub Division WASA, LDA, Lahore**

Our Ref. No. CL/CED/ 343 Dated: 02-07-20

Your Ref. No. QCD/1104-05 Dated: 23-06-20

# COMPRESSION TEST REPORT

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

Specimens received on: 24-06-20 Tested on: 02-07-20 in dry/wet condition

| Sr. No. | Mark* | Casting Date* /Wet Weight (gms) | Size (in) | Weight (lbs./gms) | Area of X-Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks |
|---|---|---|---|---|---|---|---|---|
| 1 | 1 | | 8.8x4.3x2.8 | 3136 | 37.84 | 47 | 2790 | |
| 2 | 1 | | 8.7x4.2x2.8 | 3076 | 36.54 | 51 | 3130 | |
| 3 | 1 | | 8.8x4.3x2.8 | 2998 | 37.84 | 49 | 2910 | |
| 4 | 1 | | 8.8x4.3x2.9 | 3109 | 37.84 | 43 | 2550 | |
| 5 | 1 | | 8.8x4.2x2.8 | 3091 | 36.96 | 73 | 4430 | |
| 6 | 1 | | 8.8x4.3x2.9 | 3078 | 37.84 | 39 | 2310 | |
| 7 | | | | | | | | |
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