# 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.

7586
Dr. Aqsa

**To:** Mr. Habibullah Chaudhry
Assistant Manager, Finance & Admin, Allied Engineering & Services Pvt. Ltd.

Project: Construction of Rice/Corn Warehouse of 2000 Ton Capacity Situated at Main Okara Depalpur Road, District Okara. (Contractor: M/s Ghani Construction Co.)

Our Ref. No. CL/CED/ 5597 Dated: 19-08-24

Your Ref. No. Nil Dated: 09-08-24

**Test Specification**
( BS 3921** )

# COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 09-08-24 Tested on: 19-08-24 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 | S | --- | --- | --- | 9 x 4.2 x 3 | 3615 | 3300 | 37.8 | 47 | 2785 | 9.55 | --- |
| 2 | S | --- | --- | --- | 8.5 x 4.1 x 2.9 | 3600 | 3305 | 34.85 | 47 | 3021 | 8.93 | --- |
| 3 | S | --- | --- | --- | 8.8 x 4.2 x 2.9 | 3560 | 3205 | 36.96 | 48 | 2909 | 11.08 | --- |
| 4 | S | --- | --- | --- | 8.6 x 4.2 x 2.8 | 3380 | 3010 | 36.12 | 46 | 2853 | 12.29 | --- |
| 5 | S | --- | --- | --- | 8.8 x 4.2 x 2.9 | 3320 | 3040 | 36.96 | 46 | 2788 | 9.21 | --- |
| 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)
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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**7620**
**Dr. M. Yousaf**

**To:** **Mr. Khalid Bashir**
**Ittefaq Building Solutions Pvt. Ltd.**

**Project: Construction of Allied Bank Building 185-CC4 DHA T Sector Phase-7 Lahore.**

**Our Ref. No. CL/CED/ 5598** **Dated: 19-08-24**

**Your Ref. No. IBS/LBS-UOL/01** **Dated: 05-08-24**

**Test Specification**
**( ASTM C39 )**

# COMPRESSION TEST REPORT

ONLINE REPORT

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

**Specimens received on: 15-08-24 Tested on: 19-08-24 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 | G.F Column (4000 Psi) | 16 | 7 | 2024 | 6Diax12 | --- | 14 | 28.28 | 60 | 4752 | --- | Non Engraved |
| 2 | G.F Column (4000 Psi) | 16 | 7 | 2024 | 6Diax12 | --- | 14 | 28.28 | 66 | 5228 | --- | Non Engraved |
| 3 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

**Witnessed by: Nil**

**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

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

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## Civil Engineering Department
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**ORIGINAL**
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7620
Dr. M. Yousaf

**To:** Mr. Khalid Bashir
Ittefaq Building Solutions Pvt. Ltd.

**Project:** Construction of Allied Bank Building 185-CC4 DHA T Sector Phase-7 Lahore.

Our Ref. No. CL/CED/ 5599 Dated: 19-08-24

Your Ref. No. IBS/LBS-UOL/01 Dated: 05-08-24

**Test Specification**
( ASTM C39 )

# COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 15-08-24 Tested on: 19-08-24 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 | Mezzanine F. Slab (3000 Psi) | 25 | 7 | 2024 | 6Diax12 | --- | 13.2 | 28.28 | 47 | 3723 | --- | Non Engraved |
| 2 | Mezzanine F. Slab (3000 Psi) | 25 | 7 | 2024 | 6Diax12 | --- | 13.2 | 28.28 | 56 | 4436 | --- | Non Engraved |
| 3 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

**Witnessed by:** Nil

**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

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

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## Civil Engineering Department
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**ORIGINAL**
A carbon copy for the report has been retained in the lab for record.

7620
Dr. M. Yousaf

**To:** Mr. Khalid Bashir
Ittefaq Building Solutions Pvt. Ltd.

**Project:** Construction of Allied Bank Building 185-CC4 DHA T Sector Phase-7 Lahore.

Our Ref. No. CL/CED/ 5600 Dated: 19-08-24

Your Ref. No. IBS/LBS-UOL/01 Dated: 23-07-24

**Test Specification**
( ASTM C39 )

# COMPRESSION TEST REPORT

ONLINE REPORT

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

**Specimens received on:** 15-08-24 **Tested on:** 19-08-24 **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 | Basement Slab (3000 Psi) | 9 | 7 | 2024 | 6Diax12 | --- | 13.6 | 28.28 | 53 | 4198 | --- | Non Engraved |
| 2 | Basement Slab (3000 Psi) | 9 | 7 | 2024 | 6Diax12 | --- | 13.2 | 28.28 | 50 | 3960 | --- | Non Engraved |
| 3 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

**Witnessed by: Nil**

**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 compressive 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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7533
Dr. M. Yousaf

**To:** Sub Divisional Officer
Buildings Sub Division No.14, Lahore.

**Project:** Capacity Building and Upgradation of the Directorate General Industries, Prices, Weights and Measures, Lahore.

Our Ref. No. CL/CED/ 5601 Dated: 19-08-24 Test Specification

Your Ref. No. No.331 Dated: 02-05-24 ( ---- )

# COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 31-07-24 Tested on: 19-08-24 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 | RB | --- | --- | --- | 9 x 4.3 x 3 | 3600 | 3340 | 38.7 | 45 | 2605 | 7.78 | --- |
| 2 | RB | --- | --- | --- | 8.9 x 4.2 x 3 | 3730 | 3410 | 37.38 | 48 | 2876 | 9.38 | --- |
| 3 | RB | --- | --- | --- | 9 x 4.3 x 3 | 3640 | 3360 | 38.7 | 46 | 2663 | 8.33 | --- |
| 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 compressive 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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## Civil Engineering Department
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**ORIGINAL**
A carbon copy for the report has been retained in the lab for record.

7542
Dr. M. Yousaf

**To:** Mr. Usman Tahir
Resident Engineer, Velosi Integrity & Safety Pakistan (Pvt) Ltd.

Project: Detailed Design & Resident Supervision of Regional Campuses of Allama Iqbal Open University, Sargodha.

Our Ref. No. CL/CED/ 5602 Dated: 19-08-24

Your Ref. No. VISP/RC/SRG-043 Dated: 24-07-24

Test Specification ( BS 3921** )

# COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 05-08-24 Tested on: 19-08-24 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 | W | --- | --- | --- | 9 x 4.2 x 2.9 | 3855 | 3470 | 37.8 | 44 | 2607 | 11.1 | --- |
| 2 | W | --- | --- | --- | 8.8 x 4.2 x 3 | 3765 | 3370 | 36.96 | 43 | 2606 | 11.72 | --- |
| 3 | W | --- | --- | --- | 8.8 x 4.2 x 3 | 3745 | 3355 | 36.96 | 40 | 2424 | 11.62 | --- |
| 4 | W | --- | --- | --- | 8.8 x 4.2 x 3 | 3710 | 3410 | 36.96 | 48 | 2909 | 8.8 | --- |
| 5 | W | --- | --- | --- | 8.8 x 4.2 x 3 | 3715 | 3435 | 36.96 | 43 | 2606 | 8.15 | --- |
| 6 | W | --- | --- | --- | 8.9 x 4.2 x 3 | 3730 | 3395 | 37.38 | 43 | 2577 | 9.87 | --- |
| 7 | W | --- | --- | --- | 8.9 x 4.2 x 3 | 3730 | 3340 | 37.38 | 50 | 2996 | 11.68 | --- |
| 8 | W | --- | --- | --- | 8.9 x 4.2 x 3 | 3780 | 3410 | 37.38 | 50 | 2996 | 10.85 | --- |
| 9 | W | --- | --- | --- | 8.8 x 4.2 x 3 | 3690 | 3280 | 36.96 | 44 | 2667 | 12.5 | --- |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

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2. ** BS3921 requires average of ten clay brick samples for crushing strength and water absorption
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**ORIGINAL**
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7580
Dr. M. Yousaf

**To:** Mr. Muhammad Hassan Khan
Resident Engineer, Highways and Transportation Engineering Division, NESPAK (Pvt.) Ltd.

Project: PCC / Drainage Scheme / Sewerage Scheme UC No. 254, DEO Khurd / Kalan Lahore.

Our Ref. No. CL/CED/ 5603 Dated: 19-08-24

Your Ref. No. 3772/103/MHK/ADP/Deo Khurd Kalan/09 Dated: 31-07-24

**Test Specification**
( BS 3921** )

# COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 08-08-24 Tested on: 19-08-24 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 | R2 | --- | --- | --- | 8.8 x 4.2 x 3 | 3825 | 3390 | 36.96 | 48 | 2909 | 12.83 | --- |
| 2 | R2 | --- | --- | --- | 8.8 x 4.1 x 3 | 3800 | 3420 | 36.08 | 48 | 2980 | 11.11 | --- |
| 3 | R2 | --- | --- | --- | 8.8 x 4.2 x 2.9 | 3795 | 3385 | 36.96 | 37 | 2242 | 12.11 | --- |
| 4 | R2 | --- | --- | --- | 8.8 x 4.2 x 3 | 3820 | 3375 | 36.96 | 42 | 2545 | 13.19 | --- |
| 5 | R2 | --- | --- | --- | 8.8 x 4.2 x 3 | 3810 | 3425 | 36.96 | 42 | 2545 | 11.24 | --- |
| 6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 7 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

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**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**

# 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.

7562
Dr. M. Yousaf

**To:** Engr. Shafiq Ahmad
Resident Engineer, New Vision Engineering Consultant, Lahore.

**Project:** Nil

**Our Ref. No.** CL/CED/ 5604 **Dated:** 19-08-24

**Your Ref. No.** NVEC/RE/2024/34-A **Dated:** 31-07-24

**Test Specification** ( BS 3921** )

# COMPRESSION TEST REPORT

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

**Specimens received on:** 02-08-24 **Tested on:** 19-08-24 **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 | SB | --- | --- | --- | 8.8 x 4.3 x 2.9 | 3640 | 3200 | 37.84 | 28 | 1658 | 13.75 | --- |
| 2 | SB | --- | --- | --- | 8.9 x 4.2 x 2.8 | 3670 | 3215 | 37.38 | 36 | 2157 | 14.15 | --- |
| 3 | SB | --- | --- | --- | 8.8 x 4.3 x 2.9 | 3580 | 3235 | 37.84 | 40 | 2368 | 10.66 | --- |
| 4 | SB | --- | --- | --- | 8.9 x 4.2 x 3 | 3640 | 3330 | 37.38 | 35 | 2097 | 9.31 | --- |
| 5 | SB | --- | --- | --- | 8.8 x 4.3 x 2.9 | 3560 | 3250 | 37.84 | 40 | 2368 | 9.54 | --- |
| 6 | SB | --- | --- | --- | 8.8 x 4.2 x 3 | 3480 | 3180 | 36.96 | 40 | 2424 | 9.43 | --- |
| 7 | GM | --- | --- | --- | 8.9 x 4.2 x 2.9 | 3670 | 3320 | 37.38 | 40 | 2397 | 10.54 | --- |
| 8 | GM | --- | --- | --- | 8.8 x 4.1 x 2.9 | 3650 | 3280 | 36.08 | 37 | 2297 | 11.28 | --- |
| 9 | GM | --- | --- | --- | 8.8 x 4.2 x 3 | 3570 | 3240 | 36.96 | 48 | 2909 | 10.19 | --- |
| 10 | GM | --- | --- | --- | 8.9 x 4.2 x 2.8 | 3620 | 3380 | 37.38 | 33 | 1978 | 7.1 | --- |
| 11 | GM | --- | --- | --- | 8.9 x 4.3 x 2.9 | 3730 | 3480 | 38.27 | 40 | 2341 | 7.18 | --- |
| 12 | GM | --- | --- | --- | 8.9 x 4.2 x 2.8 | 3660 | 3340 | 37.38 | 38 | 2277 | 9.58 | --- |
| 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**

# 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.

7527
Dr. M. Yousaf

**To:** Mr. Muhammad Ahsan Ali
Resident Engineer, Construction Management Division. NESPAK (Pvt.) Ltd.

Project: Infrastructure Development at Chahar Bagh Under Ravi Riverfront Urban Development Project. (M/s NLC Engineers)

Our Ref. No. CL/CED/ 5605 Dated: 19-08-24

Your Ref. No. 4559/13/MAA/09/403 Dated: 27-07-24

Test Specification ( BS 3921** )

# COMPRESSION TEST REPORT

ONLINE REPORT

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

Specimens received on: 30-07-24 Tested on: 19-08-24 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 | D25 | --- | --- | --- | 8.8 x 4.1 x 2.9 | 3740 | 3350 | 36.08 | 38 | 2359 | 11.64 | --- |
| 2 | D25 | --- | --- | --- | 8.6 x 4.1 x 2.8 | 3680 | 3280 | 35.26 | 41 | 2605 | 12.2 | --- |
| 3 | D25 | --- | --- | --- | 8.8 x 4.2 x 2.8 | 3635 | 3290 | 36.96 | 37 | 2242 | 10.49 | --- |
| 4 | D25 | --- | --- | --- | 8.8 x 4.2 x 2.9 | 3800 | 3410 | 36.96 | 43 | 2606 | 11.44 | --- |
| 5 | D25 | --- | --- | --- | 8.8 x 4.2 x 2.8 | 3820 | 3425 | 36.96 | 40 | 2424 | 11.53 | --- |
| 6 | D25 | --- | --- | --- | 8.7 x 4.2 x 3 | 3630 | 3370 | 36.54 | 42 | 2575 | 7.72 | --- |
| 7 | D25 | --- | --- | --- | 8.8 x 4.2 x 3 | 3680 | 3270 | 36.96 | 43 | 2606 | 12.54 | --- |
| 8 | D25 | --- | --- | --- | 8.8 x 4.1 x 2.9 | 3650 | 3265 | 36.08 | 44 | 2732 | 11.79 | --- |
| 9 | D25 | --- | --- | --- | 8.8 x 4.2 x 2.9 | 3630 | 3265 | 36.96 | 44 | 2667 | 11.18 | --- |
| 10 | D25 | --- | --- | --- | 8.8 x 4.2 x 2.9 | 3810 | 3440 | 36.96 | 48 | 2909 | 10.76 | --- |
| 11 | D25 | --- | --- | --- | 8.9 x 4.2 x 3 | 3825 | 3400 | 37.38 | 45 | 2697 | 12.5 | --- |
| 12 | D25 | --- | --- | --- | 8.8 x 4.2 x 2.8 | 3630 | 3370 | 36.96 | 39 | 2364 | 7.72 | --- |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

**Witnessed by:**

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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 compressive 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