



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

885

To: **Syed Tasawur Hussain Naqvi (Assistant Executive Engineer-III)**

Dr. Umbreen

CCD, Pak. PWD. Gujranwala

Project: Enhancement & Expansion of Building Infrastructure of NHMP Training College Sheikhpura, Phase-I (SH: Admin Block)

Our Ref. No. CL/CED/

2533

Dated:

19-03-21

Your Ref. No.

AEE-III/CCD/GA/Work/
NHMP/Admn/P-I/Lab/06

Dated:

03-02-21

COMPRESSION TEST REPORT

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

Specimens received on:

15-03-21

Tested on:

18-03-21

in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | Size (in) | Weight (lbs./gms) | Area of X-Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks |
|---------|-------------|----------------------|---|------|--------------|----------------------|----------------------------------|--------------------------------|-----------------------------|--------------|
| | | /Wet Weight (gms) | | | | | | | | |
| 1 | Plinth Beam | 5 | 1 | 2021 | 6x6x6 | 9 | 36 | 79 | 4920 | Non Engraved |
| 2 | Plinth Beam | 5 | 1 | 2021 | 6x6x6 | 9 | 36 | 94 | 5850 | Non Engraved |
| 3 | Plinth Beam | 6 | 1 | 2021 | 6x6x6 | 9 | 36 | 71 | 4420 | Non Engraved |
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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" 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



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

883

To: Mr. Hassan Khan Sherwani (Provincial Construction Supervision Manager)
Humqadam SCRП (M/s Dawn Construction)
Project: Humqadam-School Construction and Rehabilitation Programme

Engr. A. Rehman

Our Ref. No. CL/CED/ 2534 Dated: 19-03-21

Your Ref. No. IMC-LHR/SCRП/2020/
MaterialTesting/LHR-6 Dated: 22-02-21

COMPRESSION TEST REPORT

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

Specimens received on: 15-03-21 Tested on: 19-03-21 in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | Size (in) | Weight (lbs./gms) | Area of X-Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks |
|---------|-------------|-------------------|---|------|-------------|-------------------|----------------------------|--------------------------|-----------------------|---------|
| | | /Wet Weight (gms) | | | | | | | | |
| 1 | Mortar Cube | 9 | 3 | 2021 | 2.0x2.0x2.0 | 256 | 4 | 3.7 | 2040 | |
| 2 | Mortar Cube | 9 | 3 | 2021 | 2.0x2.0x2.0 | 258 | 4 | 3.2 | 1770 | |
| 3 | Mortar Cube | 9 | 3 | 2021 | 2.0x2.0x2.0 | 262 | 4 | 3 | 1660 | |
| 4 | Mortar Cube | 9 | 3 | 2021 | 2.0x2.0x2.0 | 259 | 4 | 3.5 | 1930 | |
| 5 | Mortar Cube | 9 | 3 | 2021 | 2.0x2.0x2.0 | 261 | 4 | 1.3 | 720 | |
| 6 | Mortar Cube | 9 | 3 | 2021 | 2.0x2.0x2.0 | 254 | 4 | 3.9 | 2150 | |
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supervisor(lab)

Director/Dy. Director Concrete Laboratory



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

884

To: **Mr. Muneeb Ur Rehman (Sr. District Engineer)**

Engr. A. Rehman

Humqadam SCRP Sialkot

Project: Humqadam-School Construction and Rehabilitation Programme, Sialkot (GGPS Galotian Kalan)

Our Ref. No.
CL/CED/

2535

Dated: 19-03-21

Your Ref. No.

Nil

Dated: 15-03-21

COMPRESSION TEST REPORT

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

Specimens received
on:

15-03-21

Tested on:

19-03-21

in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | Size (in) | Weight (lbs./gms) | Area of X- Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks |
|---------|-------------|---------------|-----|------|--------------|----------------------|--------------------------------------|--------------------------------|-----------------------------|---------|
| | | Month | Day | Year | | | | | | |
| 1 | Mortar Cube | 9 | 3 | 2021 | 2.0x2.0x2.0 | 241 | 4 | 3.9 | 2150 | |
| 2 | Mortar Cube | 9 | 3 | 2021 | 2.0x2.0x2.0 | 242 | 4 | 3.2 | 1770 | |
| 3 | Mortar Cube | 9 | 3 | 2021 | 2.0x2.0x2.0 | 244 | 4 | 2 | 1110 | |
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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

892

To: Mr. Hassan Khan Sherwani (Provincial Construction Supervision Manager)
Humqadam SCRП (M/s Sultan Engineering)

Dr. Mazhar

Project: Humqadam-School Construction and Rehabilitation Programme (GCHSS Ghoray Shah)

Our Ref. No. CL/CED/ 2533 Dated: 19-03-21

Your Ref. No. IMC-LHR/SCRП/2020/
Material Testing/LHR-7 Dated: 15-03-21

COMPRESSION TEST REPORT

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

Specimens received on: 15-03-21 Tested on: 18-03-21 in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | Size (in) | Weight (lbs./gms) | Area of X-Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks |
|---------|-------|-------------------|---|------|-----------|-------------------|----------------------------|--------------------------|-----------------------|--------------|
| | | /Wet Weight (gms) | | | | | | | | |
| 1 | | 7 | 3 | 2021 | 6Diax12 | 13.2 | 28.28 | 41 | 3250 | Non Engraved |
| 2 | | 7 | 3 | 2021 | 6Diax12 | 13 | 28.28 | 43 | 3410 | Non Engraved |
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Director/Dy. Director Concrete Laboratory



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

886

To: **Mr. Muhammad Umair Ashfaq (Director Plant & Production)**

Dr. Umbreen

Lotte Akhtar Beverages (Pvt.) Ltd. Lahore (PepsiCo Bottlers)

Project: Construction of WWTP at Lotte Akhtar Beverages Plant, Gulberg II, Lahore (RCC Bed)

Our Ref. No. CL/CED/ 2537 Dated: 19-03-21

Your Ref. No. Nil Dated: 15-03-21

COMPRESSION TEST REPORT

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

Specimens received on: 15-03-21 Tested on: 18-03-21 in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | Size (in) | Weight (lbs./gms) | Area of X-Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks |
|---------|--------------------|---------------|-----|------|-----------|-------------------|----------------------------|--------------------------|-----------------------|----------|
| | | Month | Day | Year | | | | | | |
| 1 | V # LES-8002 (S#8) | 15 | 2 | 2021 | 6x6x6 | 8.6 | 36 | 81 | 5040 | Engraved |
| 2 | V # CAA-1759 (S#4) | 15 | 2 | 2021 | 6x6x6 | 8.6 | 36 | 65 | 4050 | Engraved |
| 3 | V # LET-8005 (S#3) | 15 | 2 | 2021 | 6x6x6 | 8.6 | 36 | 79 | 4920 | Engraved |
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Director/Dy. Director Concrete Laboratory



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

887

Dr. Mazhar

To: **Mr. Muhammad Abu Bakar**
Layyah
Project: Nil

Our Ref. No. CL/CED/ 2538 Dated: 19-03-21
Your Ref. No. Nil Dated: 15-03-21

COMPRESSION TEST REPORT

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

Specimens received on: 15-03-21 Tested on: 18-03-21 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 | Hollow Block | | 16x5.9x | 18 | 63.15 | 29 | 1030 | |
| 2 | Hollow Block | | 16x5.9x | 18.4 | 63.15 | 35 | 1250 | |
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Director/Dy. Director Concrete Laboratory



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

891

To: Resident Engineer

Dr. Umbreen

ESS-I-AAR Consultant, Jhang City Near Madras Dara ul Raza Academy

Project: Rehabilitation / Improvement of Sewerage System Jhang Phase-I (Solid Wall of Wet Well)

Our Ref. No. CL/CED/ 2539 Dated: 19-03-21

Your Ref. No. 746 Dated: 15-03-21

COMPRESSION TEST REPORT

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

Specimens received on: 15-03-21 Tested on: 18-03-21 in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | Size (in) | Weight (lbs./gms) | Area of X-Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks |
|---------|---------------|-------------------|---|------|-----------|-------------------|----------------------------|--------------------------|-----------------------|--------------|
| | | /Wet Weight (gms) | | | | | | | | |
| 1 | (1 : 1 : 2) | 9 | 2 | 2021 | 6x6x6 | 9 | 36 | 126 | 7840 | Non Engraved |
| 2 | (1 : 1 : 2) | 9 | 2 | 2021 | 6x6x6 | 9 | 36 | 110 | 6850 | Non Engraved |
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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

891

To: Resident Engineer

Dr. Umbreen

ESS-I-AAR Consultant, Jhang City Near Madras Dara ul Raza Academy

Project: Rehabilitation / Improvement of Sewerage System Jhang Phase-I (Solid Wall of Pump House)

Our Ref. No. CL/CED/ 2540 Dated: 19-03-21

Your Ref. No. 747 Dated: 15-03-21

COMPRESSION TEST REPORT

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

Specimens received on: 15-03-21 Tested on: 18-03-21 in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | Size (in) | Weight (lbs./gms) | Area of X-Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks |
|---------|---------------|-------------------|---|------|-----------|-------------------|----------------------------|--------------------------|-----------------------|--------------|
| | | /Wet Weight (gms) | | | | | | | | |
| 1 | (1 : 1 : 2) | 14 | 2 | 2021 | 6x6x6 | 8.8 | 36 | 100 | 6230 | Non Engraved |
| 2 | (1 : 1 : 2) | 14 | 2 | 2021 | 6x6x6 | 9 | 36 | 130 | 8090 | Non Engraved |
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Department of Civil Engineering
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Phone Nos. 042-99029202, 042-99029217

899

To: Assistant Resident Engineer

Dr. Umbreen

Enviro Consult (SMC-Pvt) Ltd. Daska

Project: Rehabilitation of Municipal Services Infrastructure Under Punjab Cities Program (PCP) City Daska (Group-C)

Our Ref. No. CL/CED/ 2541 Dated: 19-03-21

Your Ref. No. Enviro/ARE/DSK/2020/04 Dated: 18-11-20

COMPRESSION TEST REPORT

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

Specimens received on: 17-03-21 Tested on: 18-03-21 in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | Size (in) | Weight (lbs./gms) | Area of X-Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks |
|---------|---------------------|---------------|-------|------|-----------|-------------------|----------------------------|--------------------------|-----------------------|--------------|
| | | Day | Month | Year | | | | | | |
| 1 | RCC (1 : 1.5 : 3) | 24 | 10 | 2020 | 6x6x6 | 8.6 | 36 | 53 | 3300 | Non Engraved |
| 2 | RCC (1 : 1.5 : 3) | 24 | 10 | 2020 | 6x6x6 | 8.6 | 36 | 51 | 3180 | Non Engraved |
| 3 | RCC (1 : 1.5 : 3) | 24 | 10 | 2020 | 6x6x6 | 8.8 | 36 | 57 | 3550 | Non Engraved |
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Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

898

Dr. M. Yousaf

To: Engr. Mustehson Ali Khan
Flag Square Builders, Etihad Town Raiwind Road, Lahore
Project: Flag Square Builders

Our Ref. No. CL/CED/ 2542 Dated: 19-03-21

Your Ref. No. FSB/02/PM Dated: 17-03-21

COMPRESSION TEST REPORT

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

Specimens received on: 17-03-21 Tested on: 19-03-21 in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | Size (in) | Weight (lbs./gms) | Area of X- Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks |
|---------|------------------------------------|----------------------|---|------|--------------|----------------------|--------------------------------------|--------------------------------|-----------------------------|--------------|
| | | /Wet Weight (gms) | | | | | | | | |
| 1 | Columns (4500 Psi) | 2 | 3 | 2021 | 6Diax12 | 13.6 | 28.28 | 57 | 4520 | Non Engraved |
| 2 | Columns (4500 Psi) | 2 | 3 | 2021 | 6Diax12 | 13 | 28.28 | 58 | 4600 | Non Engraved |
| 3 | Plinth Beam 2nd Pour (3000 psi) | 9 | 3 | 2021 | 6Diax12 | 13 | 28.28 | 27 | 2140 | Non Engraved |
| 4 | Plinth Beam 2nd Pour (3000 psi) | 9 | 3 | 2021 | 6Diax12 | 13 | 28.28 | 28 | 2220 | Non Engraved |
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departments?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



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

900

Dr. Umbreen

To: Mr. Abdul Rehman
Okawa Concrete, Sheikhpura
Project: Nil

Our Ref. No. CL/CED/ 2543-1 of 2 Dated: 19-03-21

Your Ref. No. Nil Dated: 17-03-21

COMPRESSION TEST REPORT

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

Specimens received on: 17-03-21 Tested on: 18-03-21 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 | Rectangular Grey | | 7.8x3.9x2.3 | 2708 | 30.42 | 92 | 6780 | |
| 2 | Rectangular Grey | | 7.8x3.9x2.3 | 2660 | 30.42 | 92 | 6780 | |
| 3 | Rectangular Red | | 7.8x3.9x2.3 | 2734 | 30.42 | 98 | 7220 | |
| 4 | Rectangular Red | | 7.8x3.9x2.3 | 2718 | 30.42 | 96 | 7070 | |
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departments/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



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

900

Dr. Umbreen

To: Mr. Abdul Rehman
Okawa Concrete, Sheikhpura
Project: Nil

Our Ref. No. CL/CED/ 2543-2 of 2 Dated: 19-03-21

Your Ref. No. Nil Dated: 17-03-21

COMPRESSION TEST REPORT

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

Specimens received on: 17-03-21 Tested on: 18-03-21 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 | Solid Block | | 11.8x5.9x6.0 | 20 | 69.62 | 77 | 2480 | |
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departement?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



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

902

Dr. M. Yousaf

To: Mr. Ahmad Umar Farooq Malik (Planning & Coordination Engineer)
Ittefaq Building Solutions Pvt. Ltd. Lahore
Project: MG Motors

Our Ref. No. CL/CED/ 2544 Dated: 19-03-21

Your Ref. No. IBS/MG/002 Dated: 17-03-21

COMPRESSION TEST REPORT

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

Specimens received on: 17-03-21 Tested on: 19-03-21 in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | Size (in) | Weight (lbs./gms) | Area of X- Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks |
|---------|-----------|----------------------|---|------|--------------|----------------------|--------------------------------------|--------------------------------|-----------------------------|--------------|
| | | /Wet Weight (gms) | | | | | | | | |
| 1 | Pedestals | 13 | 2 | 2021 | 6Diax12 | 14.4 | 28.28 | 82 | 6500 | Non Engraved |
| 2 | Pedestals | 13 | 2 | 2021 | 6Diax12 | 14 | 28.28 | 90 | 7130 | Non Engraved |
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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" 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



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

902

To: Mr. Ahmad Umar Farooq Malik (Planning & Coordination Engineer)
Ittefaq Building Solutions Pvt. Ltd. Lahore
Project: MG Motors

Dr. M. Yousaf

Our Ref. No. CL/CED/ 2545 Dated: 19-03-21

Your Ref. No. IBS/MG/001 Dated: 17-03-21

COMPRESSION TEST REPORT

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

Specimens received on: 17-03-21 Tested on: 19-03-21 in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | Size (in) | Weight (lbs./gms) | Area of X- Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks |
|---------|---------|---------------|-----|------|--------------|----------------------|--------------------------------------|--------------------------------|-----------------------------|--------------|
| | | Month | Day | Year | | | | | | |
| 1 | Footing | 10 | 2 | 2021 | 6Diax12 | 13 | 28.28 | 43 | 3410 | Non Engraved |
| 2 | Footing | 10 | 2 | 2021 | 6Diax12 | 13 | 28.28 | 45 | 3570 | Non Engraved |
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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" 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



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

902

To: Mr. Ahmad Umar Farooq Malik (Planning & Coordination Engineer)
Ittefaq Building Solutions Pvt. Ltd. Lahore
Project: MG Motors

Dr. M. Yousaf

Our Ref. No. CL/CED/ 2546 Dated: 19-03-21

Your Ref. No. IBS/MG/003 Dated: 17-03-21

COMPRESSION TEST REPORT

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

Specimens received on: 17-03-21 Tested on: 19-03-21 in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | Size (in) | Weight (lbs./gms) | Area of X- Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks |
|---------|--------------|---------------|-----|------|--------------|----------------------|--------------------------------------|--------------------------------|-----------------------------|--------------|
| | | Month | Day | Year | | | | | | |
| 1 | Plinth Beams | 17 | 3 | 2021 | 6Diax12 | 13.2 | 28.28 | 42 | 3330 | Non Engraved |
| 2 | Plinth Beams | 17 | 3 | 2021 | 6Diax12 | 13.4 | 28.28 | 55 | 4360 | Non Engraved |
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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" 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



Plain and Reinforced Concrete Laboratory

Department of Civil Engineering

University of Engineering and Technology, Lahore

Phone Nos. 042-99029202, 042-99029217

903

Dr. M. Yousaf

To: Mr. Muhammad Saleem (GM)

Professional Construction Services (Pvt.) Ltd. Lahore

Project: Construction of Allied Bank Limited Valencia Town Lahore (Second Floor Columns & RCC Walls at Grid A~C/1~4)

Our Ref. No. CL/CED/ 2547 Dated: 19-03-21

Your Ref. No. PCS/2021/Eng-41 Dated: 17-03-21

COMPRESSION TEST REPORT

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

Specimens received on: 17-03-21 Tested on: 19-03-21 in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | Size (in) | Weight (lbs./gms) | Area of X- Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks |
|---------|-----------------|----------------------|---|------|--------------|----------------------|--------------------------------------|--------------------------------|-----------------------------|--------------|
| | | /Wet Weight (gms) | | | | | | | | |
| 1 | (1 : 1.5 : 3) | 6 | 3 | 2021 | 6Diax12 | 14 | 28.28 | 47 | 3730 | Non Engraved |
| 2 | (1 : 1.5 : 3) | 6 | 3 | 2021 | 6Diax12 | 14 | 28.28 | 63 | 4990 | Non Engraved |
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departament?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)

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

903

To: **Mr. Muhammad Saleem (GM)**

Dr. M. Yousaf

Professional Construction Services (Pvt.) Ltd. Lahore

Project: Construction of Allied Bank Limited Valencia Town Lahore (First Floor Columns & RCC Walls at Grid A~C/1~4)

Our Ref. No. CL/CED/ 2548 Dated: 19-03-21

Your Ref. No. PCS/2021/Eng-40 Dated: 17-03-21

COMPRESSION TEST REPORT

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

Specimens received on: 17-03-21 Tested on: 19-03-21 in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | Size (in) | Weight (lbs./gms) | Area of X- Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks |
|---------|-----------------|---------------|-----|------|--------------|----------------------|--------------------------------------|--------------------------------|-----------------------------|--------------|
| | | Month | Day | Year | | | | | | |
| 1 | (1 : 1.5 : 3) | 19 | 2 | 2021 | 6Diax12 | 13.6 | 28.28 | 52 | 4120 | Non Engraved |
| 2 | (1 : 1.5 : 3) | 19 | 2 | 2021 | 6Diax12 | 13.4 | 28.28 | 49 | 3890 | Non Engraved |
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departments?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



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

903

Dr. M. Yousaf

To: **Mr. Muhammad Saleem (GM)**

Professional Construction Services (Pvt.) Ltd. Lahore

Project: Construction of Allied Bank Limited DHA Phase 8c Ex Park View Lahore (Fourth Floor Columns & Lift Wall at Grid A~N/1~7)

Our Ref. No. CL/CED/ 2549 Dated: 19-03-21

Your Ref. No. PCS/2021/Eng-38 Dated: 16-03-21

COMPRESSION TEST REPORT

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

Specimens received on: 17-03-21 Tested on: 19-03-21 in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | Size (in) | Weight (lbs./gms) | Area of X-Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks |
|---------|-----------------|---------------------|---|------|--------------|----------------------|----------------------------------|--------------------------------|-----------------------------|--------------|
| | | Wet Weight (gms) | | | | | | | | |
| 1 | (1 : 1.5 : 3) | 6 | 3 | 2021 | 6Diax12 | 14.4 | 28.28 | 61 | 4840 | Non Engraved |
| 2 | (1 : 1.5 : 3) | 6 | 3 | 2021 | 6Diax12 | 14 | 28.28 | 47 | 3730 | Non Engraved |
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departments?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



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

904

Dr. Mazhar

To: Mr. Muhammad Shahbaz
Imperium Hospitality (Pvt.) Ltd. Lahore
Project: Nil

Our Ref. No. CL/CED/ 2550 Dated: 19-03-21

Your Ref. No. IHPL/Con/125 Dated: 09-03-21

COMPRESSION TEST REPORT

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

Specimens received on: 17-03-21 Tested on: 18-03-21 in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | Size (in) | Weight (lbs./gms) | Area of X- Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks |
|---------|----------|---------------|---|------|--------------|----------------------|--------------------------------------|--------------------------------|-----------------------------|--------------|
| | | 1 | 2 | 3 | | | | | | |
| 1 | 4000 Psi | 14 | 2 | 2021 | 6Diax12 | 13 | 28.28 | 86 | 6820 | Non Engraved |
| 2 | 4000 Psi | 14 | 2 | 2021 | 6Diax12 | 13.6 | 28.28 | 86 | 6820 | Non Engraved |
| 3 | 4000 Psi | 14 | 2 | 2021 | 6Diax12 | 13.4 | 28.28 | 86 | 6820 | Non Engraved |
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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)

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

904

Dr. Mazhar

To: Mr. Muhammad Shahbaz
Imperium Hospitality (Pvt.) Ltd. Lahore
Project: Nil

Our Ref. No. CL/CED/ 2551 Dated: 19-03-21

Your Ref. No. IHPL/Con/123 Dated: 09-03-21

COMPRESSION TEST REPORT

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

Specimens received on: 17-03-21 Tested on: 18-03-21 in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | Size (in) | Weight (lbs./gms) | Area of X- Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks |
|---------|----------|---------------|---|------|--------------|----------------------|--------------------------------------|--------------------------------|-----------------------------|--------------|
| | | 1 | 2 | 3 | | | | | | |
| 1 | 8000 Psi | 13 | 2 | 2021 | 6Diax12 | 13.2 | 28.28 | 94 | 7450 | Non Engraved |
| 2 | 8000 Psi | 13 | 2 | 2021 | 6Diax12 | 13.2 | 28.28 | 96 | 7610 | Non Engraved |
| 3 | 8000 Psi | 13 | 2 | 2021 | 6Diax12 | 14 | 28.28 | 92 | 7290 | Non Engraved |
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departement?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)

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

To: Mr. Muhammad Shahbaz
Imperium Hospitality (Pvt.) Ltd. Lahore
Project: Nil

904
Dr. Mazhar

Our Ref. No. CL/CED/ 2552 Dated: 19-03-21
Your Ref. No. IHPL/Con/122 Dated: 08-03-21

COMPRESSION TEST REPORT

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

Specimens received on: 17-03-21 Tested on: 18-03-21 in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | Size (in) | Weight (lbs./gms) | Area of X- Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks |
|---------|----------|----------------------|---|------|--------------|----------------------|--------------------------------------|--------------------------------|-----------------------------|--------------|
| | | /Wet Weight (gms) | | | | | | | | |
| 1 | 8000 Psi | 4 | 3 | 2021 | 6Diax12 | 13.6 | 28.28 | 98 | 7770 | Non Engraved |
| 2 | 8000 Psi | 4 | 3 | 2021 | 6Diax12 | 13.6 | 28.28 | 90 | 7130 | Non Engraved |
| 3 | 8000 Psi | 4 | 3 | 2021 | 6Diax12 | 13.2 | 28.28 | 94 | 7450 | Non Engraved |
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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" 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



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

913

Dr. M. Yousaf

To: Mr. Muhammad Shahbaz
Imperium Hospitality (Pvt.) Ltd. Lahore
Project: Nil

Our Ref. No. CL/CED/ 2553 Dated: 19-03-21

Your Ref. No. IHPL/Con/134 Dated: 09-03-21

COMPRESSION TEST REPORT

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

Specimens received on: 19-03-21 Tested on: 19-03-21 in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | Size (in) | Weight (lbs./gms) | Area of X- Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks |
|---------|----------|---------------|-----|------|--------------|----------------------|--------------------------------------|--------------------------------|-----------------------------|--------------|
| | | Month | Day | Year | | | | | | |
| 1 | 8000 Psi | 18 | 2 | 2021 | 6Diax12 | 14 | 28.28 | 123 | 9750 | Non Engraved |
| 2 | 8000 Psi | 18 | 2 | 2021 | 6Diax12 | 14.2 | 28.28 | 140 | 11090 | Non Engraved |
| 3 | 8000 Psi | 18 | 2 | 2021 | 6Diax12 | 14.6 | 28.28 | 124 | 9830 | Non Engraved |
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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)

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

913

Dr. M. Yousaf

To: Mr. Muhammad Shahbaz
Imperium Hospitality (Pvt.) Ltd. Lahore
Project: Nil

Our Ref. No. CL/CED/ 2554 Dated: 19-03-21

Your Ref. No. IHPL/Con/128 Dated: 09-03-21

COMPRESSION TEST REPORT

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

Specimens received on: 19-03-21 Tested on: 19-03-21 in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | Size (in) | Weight (lbs./gms) | Area of X- Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks |
|---------|----------|---------------|-----|------|--------------|----------------------|--------------------------------------|--------------------------------|-----------------------------|--------------|
| | | Month | Day | Year | | | | | | |
| 1 | 4000 Psi | 17 | 2 | 2021 | 6Diax12 | 14 | 28.28 | 87 | 6900 | Non Engraved |
| 2 | 4000 Psi | 17 | 2 | 2021 | 6Diax12 | 14 | 28.28 | 91 | 7210 | Non Engraved |
| 3 | 4000 Psi | 17 | 2 | 2021 | 6Diax12 | 14 | 28.28 | 86 | 6820 | Non Engraved |
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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)

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

913

Dr. M. Yousaf

To: Mr. Muhammad Shahbaz
Imperium Hospitality (Pvt.) Ltd. Lahore
Project: Nil

Our Ref. No. CL/CED/ 2555 Dated: 19-03-21

Your Ref. No. IHPL/Con/131 Dated: 09-03-21

COMPRESSION TEST REPORT

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

Specimens received on: 19-03-21 Tested on: 19-03-21 in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | Size (in) | Weight (lbs./gms) | Area of X- Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks |
|---------|----------|---------------|-----|------|--------------|----------------------|--------------------------------------|--------------------------------|-----------------------------|--------------|
| | | Month | Day | Year | | | | | | |
| 1 | 8000 Psi | 19 | 2 | 2021 | 6Diax12 | 14.2 | 28.28 | 137 | 10860 | Non Engraved |
| 2 | 8000 Psi | 19 | 2 | 2021 | 6Diax12 | 14 | 28.28 | 136 | 10780 | Non Engraved |
| 3 | 8000 Psi | 19 | 2 | 2021 | 6Diax12 | 14.4 | 28.28 | 141 | 11170 | Non Engraved |
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departments?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



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

913

Dr. M. Yousaf

To: Mr. Muhammad Shahbaz
Imperium Hospitality (Pvt.) Ltd. Lahore
Project: Nil

Our Ref. No. CL/CED/ 2556 Dated: 19-03-21

Your Ref. No. IHPL/Con/132 Dated: 09-03-21

COMPRESSION TEST REPORT

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

Specimens received on: 19-03-21 Tested on: 19-03-21 in dry/wet condition

| Sr. No. | Mark* | Casting Date* | | | Size (in) | Weight (lbs./gms) | Area of X- Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks |
|---------|----------|---------------|-----|------|--------------|----------------------|--------------------------------------|--------------------------------|-----------------------------|--------------|
| | | Month | Day | Year | | | | | | |
| 1 | 4000 Psi | 19 | 2 | 2021 | 6Diax12 | 14.2 | 28.28 | 87 | 6900 | Non Engraved |
| 2 | 4000 Psi | 19 | 2 | 2021 | 6Diax12 | 14 | 28.28 | 86 | 6820 | Non Engraved |
| 3 | 4000 Psi | 19 | 2 | 2021 | 6Diax12 | 14.4 | 28.28 | 84 | 6660 | Non Engraved |
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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)

Director/Dy. Director Concrete Laboratory