



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

9812

Dr. M. Yousaf

To: **Assistant Engineer-III, Pakistan Railways Lahore.**

Divisional Superintendat, Office Lahore.

Project: Special Repair to Surrounding Area of Reservation Office at Lahore Station.

Our Ref. No. CL/CED/ 9762 Dated: 29-01-20

Your Ref. No. W-2/Lahore Station/2019 Dated: 07-01-20

COMPRESSION TEST REPORT

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

Specimens received on: 16-01-20 Tested on: 29-01-20 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 | Rectangular Grey | | 7.8x3.9x3.0 | 3962 | 30.42 | 89 | 6560 | |
| 2 | Rectangular Grey | | 7.8x3.9x3.0 | 3938 | 30.42 | 86 | 6340 | |
| 3 | Rectangular Grey | | 7.8x3.9x3.0 | 3957 | 30.42 | 107 | 7880 | |
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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

To: Muhammad Aslam (Executive Engineer)
PASSCO Xen Office Multan
Project: Godown at Musa Virk Khanewal

9840
Dr. Aqsa

Our Ref. No. CL/CED/ 9763 Dated: 29-01-20
Your Ref. No. PASSCO/EE/MTN/20-243 Dated: 17-01-20

COMPRESSION TEST REPORT

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

Specimens received on: 22-01-20 Tested on: 28-01-20 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 | | 21 | 12 | 2019 | 6x6x6 | 8.4 | 36 | 82 | 5110 | Non Engraved |
| 2 | | 21 | 12 | 2019 | 6x6x6 | 8.2 | 36 | 66 | 4110 | Non Engraved |
| 3 | | 21 | 12 | 2019 | 6x6x6 | 8.1 | 36 | 74 | 4610 | Non Engraved |
| 4 | | 21 | 12 | 2019 | 6x6x6 | 8.2 | 36 | 90 | 5600 | Non Engraved |
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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

9841
Dr. Aqsa

To: Project Engineer
N.A Associates, Lahore
Project: Nil

Our Ref. No. CL/CED/ 9764 Dated: 29-01-20
Your Ref. No. Nil Dated: 21-01-20

COMPRESSION TEST REPORT

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

Specimens received on: 22-01-20 Tested on: 28-01-20 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 | F-1 | 18 | 12 | 2019 | 6Diax12 | 13.2 | 28.28 | 44 | 3490 | Non Engraved |
| 2 | F-2 | 18 | 12 | 2019 | 6Diax12 | 13.1 | 28.28 | 39 | 3090 | Non Engraved |
| 3 | F-3 | 18 | 12 | 2019 | 6Diax12 | 13.2 | 28.28 | 40 | 3170 | Non Engraved |
| 4 | B4 | 31 | 12 | 2019 | 6Diax12 | 14 | 28.28 | 53 | 4200 | Engraved |
| 5 | B4 | 31 | 12 | 2019 | 6Diax12 | 14.1 | 28.28 | 36 | 2860 | Engraved |
| 6 | B4 | 31 | 12 | 2019 | 6Diax12 | 13.8 | 28.28 | 44 | 3490 | Engraved |
| 7 | Slab | 8 | 1 | 2020 | 6Diax12 | 14 | 28.28 | 35 | 2780 | Non Engraved |
| 8 | Slab | 8 | 1 | 2020 | 6Diax12 | 14.2 | 28.28 | 48 | 3810 | Non Engraved |
| 9 | Columns | 20 | 12 | 2019 | 6Diax12 | 14 | 28.28 | 57 | 4520 | Non Engraved |
| 10 | Columns | 20 | 12 | 2019 | 6Diax12 | 14 | 28.28 | 53 | 4200 | Non Engraved |
| 11 | Columns | 20 | 12 | 2019 | 6Diax12 | 14 | 28.28 | 50 | 3960 | Non Engraved |
| 12 | | | | | | | | | | |
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**** 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

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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

9843

Dr. M. Yousaf

To: **Awais Anjum (Assistant Engineer)**

University of Okara

Project: Finishing Work and External Development of Student Shopping Center at University of Okara

Our Ref. No. CL/CED/

9765

Dated:

29-01-20

Your Ref. No.

Engg.Cell/UO/680

Dated:

21-01-20

COMPRESSION TEST REPORT

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

Specimens received on:

22-01-20

Tested on:

28-01-20

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 | Rectangular Grey | | 7.8x3.9x2.3 | 2801 | 30.42 | 94 | 6930 | |
| 2 | Rectangular Grey | | 7.8x3.9x2.3 | 2787 | 30.42 | 100 | 7370 | |
| 3 | Rectangular Grey | | 7.8x3.9x2.3 | 2816 | 30.42 | 116 | 8550 | |
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Phone Nos. 042-99029202, 042-99029217

9849
Dr. Aqsa

To: Altaf Hussain (M.E)
A.S. Enterprises Engineers & Contractors, Karachi
Project: Style Textile Raiwind

Our Ref. No. CL/CED/ 9766 Dated: 29-01-20

Your Ref. No. USD/ASE/20 Dated: 23-01-20

COMPRESSION TEST REPORT

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

Specimens received on: 23-01-20 Tested on: 28-01-20 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 | C 20 | 16 | 1 | 2020 | 6x6x6 | 8.4 | 36 | 69 | 4300 | Non Engraved |
| 2 | C 20 | 16 | 1 | 2020 | 6x6x6 | 8.4 | 36 | 65 | 4050 | Non Engraved |
| 3 | C 20 | 16 | 1 | 2020 | 6x6x6 | 8.2 | 36 | 72 | 4480 | Non Engraved |
| 4 | C 30 | 16 | 1 | 2020 | 6x6x6 | 8.4 | 36 | 89 | 5540 | Non Engraved |
| 5 | C 30 | 16 | 1 | 2020 | 6x6x6 | 8.4 | 36 | 88 | 5480 | Non Engraved |
| 6 | C 30 | 16 | 1 | 2020 | 6x6x6 | 8.6 | 36 | 64 | 3990 | 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

9857

Dr. Aqsa

To: Sub Divisional Officer (Buildings)

Sub Division Sheikhupura

Project: Constt. of 02 Additional Class Rooms (25'X16') with Verandah (7') Punjab School Constt. & Rehab. Programme in GPS Tailan Tehsil Safdarbad Distt. Sheikhupura (EMIS Code:35620878)

Our Ref. No. CL/CED/

9767

Dated:

29-01-20

Your Ref. No.

6558/S

Dated:

13-01-20

COMPRESSION TEST REPORT

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

Specimens received on:

24-01-20

Tested on:

28-01-20

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 | RCC Roof Slab | 11 | 1 | 2020 | 6x6x6 | 9 | 36 | 104 | 6480 | Non Engraved |
| 2 | RCC Roof Slab | 11 | 1 | 2020 | 6x6x6 | 9 | 36 | 112 | 6970 | 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

9859
Dr. Aqsa

To: **Ahmad Associates**

117-Ahmad Block, New Garden Johar Town, Lahore

Project: Interloop Denim Office Located at 18-KM Raiwind Road Changa Manga Mandi, Lahore

Our Ref. No. CL/CED/ 9768 Dated: 29-01-20

Your Ref. No. IAA-200108 Dated: 27-01-20

COMPRESSION TEST REPORT

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

Specimens received on: 27-01-20 Tested on: 28-01-20 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 | | 28 | 12 | 2019 | 6x6x6 | 8.4 | 36 | 41 | 2560 | Non Engraved |
| 2 | | 28 | 12 | 2019 | 6x6x6 | 8.4 | 36 | 41 | 2560 | Non Engraved |
| 3 | | 28 | 12 | 2019 | 6x6x6 | 8.4 | 36 | 36 | 2240 | Non Engraved |
| 4 | | | | | | | | | | |
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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

9850
Dr. Aqsa

To: **Engr. Muhammad Akbar (CEO)**
NAM Associates, Lahore
Project: Commercial 589-H, Johar Town, Lahore

Our Ref. No. CL/CED/ 9769 Dated: 29-01-20

Your Ref. No. NAM-418/3 Dated: 23-01-20

COMPRESSION TEST REPORT

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

Specimens received on: 23-01-20 Tested on: 28-01-20 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 | | 29 | 12 | 2019 | 6Diax12 | 14 | 28.28 | 44 | 3490 | Non Engraved |
| 2 | | 29 | 12 | 2019 | 6Diax12 | 14.2 | 28.28 | 50 | 3960 | Non Engraved |
| 3 | | | | | | | | | | |
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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

9862

Dr. Umbreen

To: Nafiz Ozacan (Contractor's Representative)

SA-RA Group, Lahore

Project: ADB-201-2018 (Lot1): Procurement of Plant, Design, Supply, Installation, Testing & Commissioning of 220KV Double Circuit Transmission Line on Rail Conductor From D.I Khan to Zhob (Approx. 220km)

Our Ref. No. CL/CED/

9770

Dated:

29-01-20

Your Ref. No.

MIG/2020/111

Dated:

28-01-20

COMPRESSION TEST REPORT

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

Specimens received on:

28-01-20

Tested on:

29-01-20

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 | Tower No.136 (3000 Psi) | 22 | 1 | 2020 | 6Diax12 | 13.4 | 28.28 | 41 | 3250 | Engraved |
| 2 | Tower No.136 (3000 Psi) | 22 | 1 | 2020 | 6Diax12 | 14 | 28.28 | 41 | 3250 | Engraved |
| 3 | Tower No.136 (3000 Psi) | 22 | 1 | 2020 | 6Diax12 | 13.8 | 28.28 | 41 | 3250 | Engraved |
| 4 | | | | | | | | | | |
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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

9856
Dr. Aqsa

To: Waqas Zafar (Project Director)
Peach Club Pvt. Ltd. Faisalabad
Project: The Qube, Lahore

Our Ref. No. CL/CED/ 9771 Dated: 29-01-20

Your Ref. No. Nil Dated: 24-01-20

COMPRESSION TEST REPORT

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

Specimens received on: 24-01-20 Tested on: 28-01-20 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 | Mezzn Slab North Side | 14 | 1 | 2020 | 6Diax12 | 14 | 28.28 | 60 | 4760 | Non Engraved |
| 2 | Mezzn Slab North Side | 14 | 1 | 2020 | 6Diax12 | 13.8 | 28.28 | 64 | 5070 | Non Engraved |
| 3 | Mezzn Slab North Side | 14 | 1 | 2020 | 6Diax12 | 14 | 28.28 | 60 | 4760 | Non Engraved |
| 4 | | | | | | | | | | |
| 5 | | | | | | | | | | |
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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

9858
Dr. Aqsa

To: SMK Properties (Pvt.) Ltd.
Sector-A, Bahria Enclave, Pakistan
Project: S.M Samples, G.F Slab

Our Ref. No. CL/CED/ 9772 Dated: 29-01-20
Your Ref. No. Nil Dated: 24-01-20

COMPRESSION TEST REPORT

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

Specimens received on: 24-01-20 Tested on: 28-01-20 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 | RCC (3000 Psi) | 22 | 12 | 2019 | 6Diax12 | 14.6 | 28.28 | 60 | 4760 | Non Engraved |
| 2 | RCC (3000 Psi) | 22 | 12 | 2019 | 6Diax12 | 15 | 28.28 | 69 | 5470 | Non Engraved |
| 3 | | | | | | | | | | |
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departament?RID=testing_reports&id=6

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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

9851

Dr. M. Yousaf

To: Muhammad Shahid (Estate Engineer)
BOM, Quaid-E-Azam Industrial Estate, Lahore
Project: Nil

Our Ref. No. CL/CED/ 9773 Dated: 29-01-20

Your Ref. No. QAIE/KLP/1291 Dated: 23-01-20

COMPRESSION TEST REPORT

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

Specimens received on: 23-01-20 Tested on: 28-01-20 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 | Uni-block Grey | | 3.0 Thick | 4930 | 37.25 | 144 | 8660 | |
| 2 | Uni-block Grey | | 3.0 Thick | 4880 | 37.25 | 138 | 8300 | |
| 3 | Uni-block Grey | | 3.0 Thick | 4657 | 37.25 | 140 | 8420 | |
| 4 | Uni-block Grey | | 3.0 Thick | 4754 | 37.25 | 154 | 9270 | |
| 5 | Uni-block Grey | | 2.2 Thick | 3313 | 37.25 | 158 | 9510 | |
| 6 | Uni-block Grey | | 2.2 Thick | 3440 | 37.25 | 160 | 9630 | |
| 7 | Uni-block Grey | | 2.2 Thick | 3333 | 37.25 | 161 | 9690 | |
| 8 | Uni-block Grey | | 2.2 Thick | 3361 | 37.25 | 142 | 8540 | |
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