



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

8778

To: **Ch. Abdul Ghafoor (Resident Engineer)**

Dr. Aqsa

Pakistan Environmental Planning & Architectural consultants (PEPAC) Ltd. (M/s Progressive Intl.)
Project: Estab. of WWC(Ph-I) Adjacent to Sundar Indus. Estate Distt. Kasur. Pack-Q, Block Q-60/09

Our Ref. No. CL/CED/ 8403 Dated: 27-06-19

Your Ref. No. RE/PEPAC/WWC/KSR2019/69 Dated: 15-06-19

COMPRESSION TEST REPORT

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

Specimens received on: 18-06-19 Tested on: 20-06-19 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 | G.F. Column | 3 | 5 | 2019 | 6x6x6 | 9 | 36 | 88 | 5480 | Non Engraved |
| 2 | G.F. Column | 3 | 5 | 2019 | 6x6x6 | 9 | 36 | 90 | 5600 | Non Engraved |
| 3 | G.F. Column | 3 | 5 | 2019 | 6x6x6 | 9 | 36 | 92 | 5730 | Non Engraved |
| End | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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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



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Department of Civil Engineering
University of Engineering and Technology, Lahore
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To: **Ch. Abdul Ghafoor (Resident Engineer)**

Dr. Aqsa

Pakistan Environmental Planning & Architectural consultants (PEPAC) Ltd. (M/s Progressive Intl.)
Project: Estab. of WWC(Ph-I) Adjac. to Sundar Indus. Estate Distt. Kasur. Pack-Q, Block Q-75/03

Our Ref. No. CL/CED/ 8404 Dated: 27-06-19

Your Ref. No. RE/PEPAC/WWC/KSR2019/73 Dated: 15-06-19

COMPRESSION TEST REPORT

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

Specimens received on: 18-06-19 Tested on: 20-06-19 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 | 2nd. F. Slab | 11 | 5 | 2019 | 6x6x6 | 9 | 36 | 85 | 5290 | Engraved |
| 2 | 2nd. F. Slab | 11 | 5 | 2019 | 6x6x6 | 9 | 36 | 86 | 5360 | Engraved |
| 3 | 2nd. F. Slab | 11 | 5 | 2019 | 6x6x6 | 9 | 36 | 91 | 5670 | Engraved |
| End | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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Project: Estab. of WWC(Ph-I) Adjac. to Sundar Indus. Estate Dist. Kasur. Pack-Q, Block Q-75/03

Our Ref. No. CL/CED/ 8405 Dated: 27-06-19

Your Ref. No. RE/PEPAC/WWC/KSR2019/80 Dated: 15-06-19

COMPRESSION TEST REPORT

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

Specimens received on: 18-06-19 Tested on: 20-06-19 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 | 3rd. F. Column | 23 | 5 | 2019 | 6x6x6 | 9 | 36 | 86 | 5360 | Engraved |
| 2 | 3rd. F. Column | 23 | 5 | 2019 | 6x6x6 | 9 | 36 | 81 | 5040 | Engraved |
| 3 | 3rd. F. Column | 23 | 5 | 2019 | 6x6x6 | 9 | 36 | 94 | 5850 | Engraved |
| End | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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Pakistan Environmental Planning & Architectural consultants (PEPAC) Ltd. (M/s Progressive Intl.)
Project: Estab. of WWC(Ph-I) Adjac. to Sundar Indus. Estate Distt. Kasur. Pack-Q, Block Q-57/06

Our Ref. No. CL/CED/ 8406 Dated: 27-06-19

Your Ref. No. RE/PEPAC/WWC/KSR2019/77 Dated: 15-06-19

COMPRESSION TEST REPORT

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

Specimens received on: 18-06-19 Tested on: 20-06-19 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 | G.F. Column | 20 | 5 | 2019 | 6x6x6 | 9 | 36 | 84 | 5230 | Engraved |
| 2 | G.F. Column | 20 | 5 | 2019 | 6x6x6 | 9 | 36 | 82 | 5110 | Engraved |
| 3 | G.F. Column | 20 | 5 | 2019 | 6x6x6 | 8.8 | 36 | 69 | 4300 | Engraved |
| End | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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Pakistan Environmental Planning & Architectural consultants (PEPAC) Ltd. (M/s Progressive Intl.)
Project: Estab. of WWC(Ph-I) Adjac. to Sundar Indus. Estate Distt. Kasur. Pack-Q, Block Q-58/07

Our Ref. No. CL/CED/ 8407 Dated: 27-06-19

Your Ref. No. RE/PEPAC/WWC/KSR2019/76 Dated: 15-06-19

COMPRESSION TEST REPORT

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

Specimens received on: 18-06-19 Tested on: 20-06-19 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 | G.F. Column | 18 | 5 | 2019 | 6x6x6 | 9 | 36 | 81 | 5040 | Engraved |
| 2 | G.F. Column | 18 | 5 | 2019 | 6x6x6 | 9 | 36 | 69 | 4300 | Engraved |
| 3 | G.F. Column | 18 | 5 | 2019 | 6x6x6 | 9 | 36 | 77 | 4800 | Engraved |
| End | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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Dr. Aqsa

Pakistan Environmental Planning & Architectural consultants (PEPAC) Ltd. (M/s Progressive Intl.)

Project: Estab. of WWC(Ph-I) Adjac. to Sundar Indus. Estate Dist. Kasur. Pack-Q, Block Q-56/01

Our Ref. No. CL/CED/

8408

Dated:

27-06-19

Your Ref. No.

RE/PEPAC/WWC/KSR2019/71

Dated:

15-06-19

COMPRESSION TEST REPORT

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

Specimens received on:

18-06-19

Tested on:

20-06-19

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 | 3rd. F. Column | 8 | 5 | 2019 | 6x6x6 | 9 | 36 | 94 | 5850 | Non Engraved |
| 2 | 3rd. F. Column | 8 | 5 | 2019 | 6x6x6 | 8.8 | 36 | 89 | 5540 | Non Engraved |
| 3 | 3rd. F. Column | 8 | 5 | 2019 | 6x6x6 | 9 | 36 | 90 | 5600 | Non Engraved |
| End | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/departments?RID=testing_reports&id=6

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supervisor(lab)

Director/Dy. Director Concrete Laboratory



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Phone Nos. 042-99029202, 042-99029217

8778

To: **Ch. Abdul Ghafoor (Resident Engineer)**

Dr. Aqsa

Pakistan Environmental Planning & Architectural consultants (PEPAC) Ltd. (M/s Progressive Intl.)
Project: Estab. of WWC(Ph-I) Adjac. to Sundar Indus. Estate Distt. Kasur. Pack-Q, Block Q-56/01

Our Ref. No. CL/CED/ 8409 Dated: 27-06-19

Your Ref. No. RE/PEPAC/WWC/KSR2019/81 Dated: 15-06-19

COMPRESSION TEST REPORT

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

Specimens received on: 18-06-19 Tested on: 20-06-19 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 | 3rd. F.Slab | 23 | 5 | 2019 | 6x6x6 | 9 | 36 | 73 | 4550 | Engraved |
| 2 | 3rd. F.Slab | 23 | 5 | 2019 | 6x6x6 | 9 | 36 | 78 | 4860 | Engraved |
| 3 | 3rd. F.Slab | 23 | 5 | 2019 | 6x6x6 | 9 | 36 | 75 | 4670 | Engraved |
| End | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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Phone Nos. 042-99029202, 042-99029217

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To: **Ch. Abdul Ghafoor (Resident Engineer)**

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Pakistan Environmental Planning & Architectural consultants (PEPAC) Ltd. (M/s Progressive Intl.)
Project: Estab. of WWC(Ph-I) Adjac. to Sundar Indus. Estate Distt. Kasur. Pack-Q, Block Q-60/09

Our Ref. No. CL/CED/ 8410 Dated: 27-06-19

Your Ref. No. RE/PEPAC/WWC/KSR2019/79 Dated: 15-06-19

COMPRESSION TEST REPORT

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

Specimens received on: 18-06-19 Tested on: 20-06-19 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 | G. F.Slab | 21 | 5 | 2019 | 6x6x6 | 9 | 36 | 95 | 5920 | Engraved |
| 2 | G. F.Slab | 21 | 5 | 2019 | 6x6x6 | 9 | 36 | 88 | 5480 | Engraved |
| 3 | G. F.Slab | 21 | 5 | 2019 | 6x6x6 | 9 | 36 | 77 | 4800 | Engraved |
| End | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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Phone Nos. 042-99029202, 042-99029217

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Dr. Aqsa

To: **Ch. Abdul Ghafoor (Resident Engineer)**

Pakistan Environmental Planning & Architectural consultants (PEPAC) Ltd. (M/s Progressive Intl.)

Project: Estab. of WWC(Ph-I) Adjac. to Sundar Indus. Estate Distt. Kasur. Pack-Q, Block Q-59/08

Our Ref. No. CL/CED/ 8411 Dated: 27-06-19

Your Ref. No. RE/PEPAC/WWC/KSR2019/70 Dated: 15-06-19

COMPRESSION TEST REPORT

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

Specimens received on: 18-06-19 Tested on: 20-06-19 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 | G. F. Column | 6 | 5 | 2019 | 6x6x6 | 9 | 36 | 100 | 6230 | Non Engraved |
| 2 | G. F. Column | 6 | 5 | 2019 | 6x6x6 | 8.8 | 36 | 90 | 5600 | Non Engraved |
| 3 | G. F. Column | 6 | 5 | 2019 | 6x6x6 | 9 | 36 | 107 | 6660 | Non Engraved |
| End | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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To: Ch. Abdul Ghafoor (Resident Engineer)

Dr. Aqsa

Pakistan Environmental Planning & Architectural consultants (PEPAC) Ltd. (M/s Progressive Intl.)

Project: Estab. of WWC(Ph-I) Adjac. to Sundar Indus. Estate Distt. Kasur. Pack-Q, Block Q-59/08

Our Ref. No. CL/CED/ 8412 Dated: 27-06-19

Your Ref. No. RE/PEPAC/WWC/KSR2019/78 Dated: 15-06-19

COMPRESSION TEST REPORT

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

Specimens received on: 18-06-19 Tested on: 20-06-19 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 | G. F. Slab | 20 | 5 | 2019 | 6x6x6 | 9 | 36 | 82 | 5110 | Engraved |
| 2 | G. F. Slab | 20 | 5 | 2019 | 6x6x6 | 9 | 36 | 79 | 4920 | Engraved |
| 3 | G. F. Slab | 20 | 5 | 2019 | 6x6x6 | 9 | 36 | 82 | 5110 | Engraved |
| End | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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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

8778

To: **Ch. Abdul Ghafoor (Resident Engineer)**

Dr. Aqsa

Pakistan Environmental Planning & Architectural consultants (PEPAC) Ltd. (M/s Progressive Intl.)
Project: Estab. of WWC(Ph-I) Adjac. to Sundar Indus. Estate Distt. Kasur. Pack-Q, Block Q-76/02

Our Ref. No. CL/CED/ 8413 Dated: 27-06-19

Your Ref. No. RE/PEPAC/WWC/KSR2019/74 Dated: 15-06-19

COMPRESSION TEST REPORT

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

Specimens received on: 18-06-19 Tested on: 20-06-19 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 | 2nd. F. Slab | 13 | 5 | 2019 | 6x6x6 | 9 | 36 | 74 | 4610 | Engraved |
| 2 | 2nd. F. Slab | 13 | 5 | 2019 | 6x6x6 | 9 | 36 | 86 | 5360 | Engraved |
| 3 | 2nd. F. Slab | 13 | 5 | 2019 | 6x6x6 | 8.9 | 36 | 75 | 4670 | Engraved |
| End | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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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

8778

To: **Ch. Abdul Ghafoor (Resident Engineer)**

Dr. Aqsa

Pakistan Environmental Planning & Architectural consultants (PEPAC) Ltd. (M/s Progressive Intl.)
Project: Estab. of WWC(Ph-I) Adjac. to Sundar Indus. Estate Distt. Kasur. Pack-Q, Block Q-74/04

Our Ref. No. CL/CED/ 8414 Dated: 27-06-19

Your Ref. No. RE/PEPAC/WWC/KSR2019/72 Dated: 15-06-19

COMPRESSION TEST REPORT

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

Specimens received on: 18-06-19 Tested on: 20-06-19 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 | 2nd. F. Column | 11 | 5 | 2019 | 6x6x6 | 9 | 36 | 73 | 4550 | Engraved |
| 2 | 2nd. F. Column | 11 | 5 | 2019 | 6x6x6 | 9 | 36 | 88 | 5480 | Engraved |
| 3 | 2nd. F. Column | 11 | 5 | 2019 | 6x6x6 | 9 | 36 | 89 | 5540 | Engraved |
| End | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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* as engraved on the specimens (if any)

** BS3921 requires average of ten clay brick samples for crushing strength and water absorption

*** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

**** 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

8778

To: **Ch. Abdul Ghafoor (Resident Engineer)**

Dr. Aqsa

Pakistan Environmental Planning & Architectural consultants (PEPAC) Ltd. (M/s Progressive Intl.)
Project: Estab. of WWC(Ph-I) Adjac. to Sundar Indus. Estate Distt. Kasur. Pack-Q, Block Q-73/05

Our Ref. No. CL/CED/ 8415 Dated: 27-06-19

Your Ref. No. RE/PEPAC/WWC/KSR2019/75 Dated: 15-06-19

COMPRESSION TEST REPORT

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

Specimens received on: 18-06-19 Tested on: 20-06-19 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. F. Column | 14 | 5 | 2019 | 6x6x6 | 9 | 36 | 78 | 4860 | Engraved |
| 2 | F. F. Column | 14 | 5 | 2019 | 6x6x6 | 9 | 36 | 76 | 4730 | Engraved |
| 3 | F. F. Column | 14 | 5 | 2019 | 6x6x6 | 8.8 | 36 | 79 | 4920 | Engraved |
| End | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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* as engraved on the specimens (if any)

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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

8769

To: **Sub Divisional Officer**

Dr. M. Yousaf

Development Sub Division No.III, Mianwali Canal Rest House, Sialkot

Project:Chenelaization of DEG Nullah Package-II (V.R. Bridge RD. 0+100 Thatta Bajwa Drain)

Our Ref. No. CL/CED/ 8416-1 of 2 Dated: 27-06-19

Your Ref. No. 148/DEV Dated: 17-06-19

COMPRESSION TEST REPORT

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

Specimens received on: 18-06-19 Tested on: 18-06-19 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 | Pile No. A1 | 27 | 4 | 2019 | 6Diax12 | 13.8 | 28.28 | 63 | 5000 | Non Engraved |
| 2 | Pile No. A1 | 27 | 4 | 2019 | 6Diax12 | 14 | 28.28 | 69 | 5470 | Non Engraved |
| 3 | Pile No. B1 | 28 | 4 | 2019 | 6Diax12 | 14 | 28.28 | 88 | 6980 | Non Engraved |
| 4 | Pile No. B1 | 28 | 4 | 2019 | 6Diax12 | 14 | 28.28 | 84 | 6660 | Non Engraved |
| 5 | Pile No. A2 | 29 | 4 | 2019 | 6Diax12 | 13.8 | 28.28 | 71 | 5630 | Non Engraved |
| 6 | Pile No. A2 | 29 | 4 | 2019 | 6Diax12 | 14 | 28.28 | 76 | 6020 | Non Engraved |
| 7 | Pile No. B2 | 2 | 5 | 2019 | 6Diax12 | 14 | 28.28 | 78 | 6180 | Non Engraved |
| 8 | Pile No. B2 | 2 | 5 | 2019 | 6Diax12 | 14 | 28.28 | 47 | 3730 | Non Engraved |
| 9 | Pile No. A3 | 4 | 5 | 2019 | 6Diax12 | 13.4 | 28.28 | 43 | 3410 | Non Engraved |
| 10 | Pile No. A3 | 4 | 5 | 2019 | 6Diax12 | 13.8 | 28.28 | 40 | 3170 | Non Engraved |
| 11 | Pile No. B3 | 5 | 5 | 2019 | 6Diax12 | 13.6 | 28.28 | 41 | 3250 | Non Engraved |
| 12 | Pile No. B3 | 5 | 5 | 2019 | 6Diax12 | 14 | 28.28 | 77 | 6100 | Non Engraved |
| 13 | Cap A + Cap B | 18 | 5 | 2019 | 6Diax12 | 13.6 | 28.28 | 50 | 3970 | Non Engraved |
| 14 | Cap A + Cap B | 18 | 5 | 2019 | 6Diax12 | 13.8 | 28.28 | 78 | 6180 | Non Engraved |
| 15 | Girders | 23 | 5 | 2019 | 6Diax12 | 14 | 28.28 | 53 | 4200 | Non Engraved |
| 16 | Girders | 23 | 5 | 2019 | 6Diax12 | 14 | 28.28 | 83 | 6580 | Non Engraved |

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* as engraved on the specimens (if any)

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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

8769

To: **Sub Divisional Officer**

Dr. M. Yousaf

Development Sub Division No.III, Mianwali Canal Rest House, Sialkot

Project:Chenelaization of DEG Nullah Package-II (V.R. Bridge RD. 0+100 Thatta Bajwa Drain)

Our Ref. No. CL/CED/ 8416-2 of 2 Dated: 27-06-19

Your Ref. No. 148/DEV Dated: 17-06-19

COMPRESSION TEST REPORT

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

Specimens received on: 18-06-19 Tested on: 18-06-19 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) | | | | | | | | |
| 17 | Aproach Slab B | 24 | 5 | 2019 | 6Diax12 | 14.2 | 28.28 | 94 | 7450 | Non Engraved |
| 18 | Aproach Slab B | 24 | 5 | 2019 | 6Diax12 | 14.2 | 28.28 | 100 | 7930 | Non Engraved |
| 19 | Slab | 27 | 5 | 2019 | 6Diax12 | 13.2 | 28.28 | 43 | 3410 | Non Engraved |
| 20 | Slab | 27 | 5 | 2019 | 6Diax12 | 13.8 | 28.28 | 90 | 7130 | Non Engraved |
| 21 | Parapet | 28 | 5 | 2019 | 6Diax12 | 14 | 28.28 | 104 | 8240 | Non Engraved |
| 22 | Parapet | 28 | 5 | 2019 | 6Diax12 | 14 | 28.28 | 89 | 7050 | Non Engraved |
| 23 | Aproach Slab A | 29 | 5 | 2019 | 6Diax12 | 14 | 28.28 | 75 | 5950 | Non Engraved |
| 24 | Aproach Slab A | 29 | 5 | 2019 | 6Diax12 | 14 | 28.28 | 60 | 4760 | Non Engraved |
| End | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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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)

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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

8772

To: **Abid Sultan (The Admin Manager)**

Engr. Ubaid Ahmed

Variant, 25-t Gulberg 2, Lahore

Project: 1. Columns A1, A3, B4, C5, C6, C2, SH D1, E2, SH E2, and 2. 5th Floor Slab Pour 1

Our Ref. No. CL/CED/

8417

Dated:

27-06-19

Your Ref. No.

VA/23/136

Dated:

17-06-19

COMPRESSION TEST REPORT

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

Specimens received on: 18-06-19 Tested on: 25-06-19 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 | A to E, Line 1 to 6 | 13 | 5 | 2019 | 6Diax12 | 14 | 28.28 | 110 | 8720 | Non Engraved |
| 2 | A to E, Line 1 to 6 | 13 | 5 | 2019 | 6Diax12 | 13.4 | 28.28 | 114 | 9030 | Non Engraved |
| 3 | A to H, Line 1 to 3 | 22 | 5 | 2019 | 6Diax12 | 14.2 | 28.28 | 63 | 5000 | Non Engraved |
| 4 | A to H, Line 1 to 3 | 22 | 5 | 2019 | 6Diax12 | 13.8 | 28.28 | 77 | 6100 | Non Engraved |
| End | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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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)

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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

8773
Dr. Aqsa

To: Riasat Ali Cheema
Palkhu Builders & Engineers, Sheikhpura
Project:(Palkhu Builders) H S A Leather Project Khana Lahore

Our Ref. No. CL/CED/ 8418 Dated: 27-06-19

Your Ref. No. Nil Dated: 18-06-19

COMPRESSION TEST REPORT

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

Specimens received on: 18-06-19 Tested on: 20-06-19 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 | 4000 Psi | 11 | 6 | 2019 | 6Diax12 | 13.2 | 28.28 | 39 | 3090 | Non Engraved |
| 2 | 4000 Psi | 11 | 6 | 2019 | 6Diax12 | 13.4 | 28.28 | 38 | 3010 | Non Engraved |
| 3 | 4000 Psi | 11 | 6 | 2019 | 6Diax12 | 13.6 | 28.28 | 41 | 3250 | Non Engraved |
| End | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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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)

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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

8784
Dr. Aqsa

To: Muhammad Hadi (Sr. District Engineer Sialkot)
Humqadam Program (M/S Guardian)
Project: School Construction and Rehabilitation Program (Humqadam)

Our Ref. No. CL/CED/ 8419 Dated: 27-06-19

Your Ref. No. Nil Dated: 19-06-19

COMPRESSION TEST REPORT

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

Specimens received on: 19-06-19 Tested on: 20-06-19 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 | Roof Slab Pouring | 18 | 5 | 2019 | 6Diax12 | 13.2 | 28.28 | 41 | 3250 | Non Engraved |
| 2 | Roof Slab Pouring | 20 | 5 | 2019 | 6Diax12 | 12.8 | 28.28 | 40 | 3170 | Non Engraved |
| 3 | Roof Slab Pouring | 24 | 5 | 2019 | 6Diax12 | 13.2 | 28.28 | 59 | 4680 | Non Engraved |
| 4 | Roof Slab Pouring | 30 | 5 | 2019 | 6Diax12 | 13.4 | 28.28 | 63 | 5000 | Non Engraved |
| 5 | Roof Slab Pouring | 7 | 5 | 2019 | 6Diax12 | 13.2 | 28.28 | 70 | 5550 | Non Engraved |
| 6 | Roof Slab Pouring | 21 | 4 | 2019 | 6Diax12 | 13.2 | 28.28 | 39 | 3090 | Non Engraved |
| 7 | Roof Slab Pouring | 24 | 4 | 2019 | 6Diax12 | 13.2 | 28.28 | 46 | 3650 | Non Engraved |
| 8 | Roof Slab Pouring | 28 | 3 | 2019 | 6Diax12 | 12.8 | 28.28 | 27 | 2140 | Non Engraved |
| End | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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Results can also be seen on website http://www.uet.edu.pk/faculties/facultiesinfo/department?RID=testing_reports&id=6

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*** 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

8780
Dr. Aqsa

To: **Ch. Abdul Ghafoor (Resident Engineer)**
PEPAC (Pvt) Ltd. Lahore

Project: (Pkg-A) Estab. of Worker Welfare Complex (Ph-1), Adjacent to Sundar Industrial Estate Distt. Kasur

Our Ref. No. CL/CED/ 8420 Dated: 27-06-19

Your Ref. No. RE/PEPC/Sundar/A-170 Dated: 17-06-19

COMPRESSION TEST REPORT

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

Specimens received on: 19-06-19 Tested on: 20-06-19 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 | Slab 2nd/F A-3 | 17 | 5 | 2019 | 6x6x6 | 8.6 | 36 | 93 | 5790 | Engraved |
| 2 | Slab 2nd/F A-3 | 17 | 5 | 2019 | 6x6x6 | 8.4 | 36 | 110 | 6850 | Engraved |
| 3 | Slab 2nd/F A-3 | 17 | 5 | 2019 | 6x6x6 | 8.4 | 36 | 83 | 5170 | Engraved |
| End | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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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

8780

Dr. Aqsa

To: **Ch. Abdul Ghafoor (Resident Engineer)**

PEPAC (Pvt) Ltd. Lahore

Project:(Pkg-B)Estab. of Worker Welfare Complex(Ph-1), Adjacent to Sundar Industrial Estate Distt. Kasur

Our Ref. No. CL/CED/ 8421 Dated: 27-06-19

Your Ref. No. RE/PEPC/Sundar/B-171 Dated: 17-06-19

COMPRESSION TEST REPORT

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

Specimens received on: 19-06-19 Tested on: 20-06-19 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 | Slab G/F B-3 | 18 | 5 | 2019 | 6x6x6 | 8.4 | 36 | 93 | 5790 | Engraved |
| 2 | Slab G/F B-3 | 18 | 5 | 2019 | 6x6x6 | 8.4 | 36 | 90 | 5600 | Engraved |
| 3 | Slab G/F B-3 | 18 | 5 | 2019 | 6x6x6 | 8.4 | 36 | 90 | 5600 | Engraved |
| End | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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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

8780

Dr. Aqsa

To: Ch. Abdul Ghafoor (Resident Engineer)

PEPAC (Pvt) Ltd. Lahore

Project:(Pkg-B)Estab. of Worker Welfare Complex(Ph-1), Adjacent to Sundar Industrial Estate Distt. Kasur

Our Ref. No. CL/CED/

8422

Dated:

27-06-19

Your Ref. No.

RE/PEPC/Sundar/B-172

Dated:

17-06-19

COMPRESSION TEST REPORT

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

Specimens received on:

19-06-19

Tested on:

20-06-19

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 | Col. 3rd/F B-10 | 19 | 5 | 2019 | 6x6x6 | 8.6 | 36 | 83 | 5170 | Engraved |
| 2 | Col. 3rd/F B-10 | 19 | 5 | 2019 | 6x6x6 | 8.6 | 36 | 96 | 5980 | Engraved |
| 3 | Col. 3rd/F B-10 | 19 | 5 | 2019 | 6x6x6 | 8.4 | 36 | 102 | 6350 | Engraved |
| End | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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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

8780

Dr. Aqsa

To: **Ch. Abdul Ghafoor (Resident Engineer)**

PEPAC (Pvt) Ltd. Lahore

Project: (Pkg-B) Estab. of Worker Welfare Complex (Ph-1), Adjacent to Sundar Industrial Estate Distt. Kasur

Our Ref. No. CL/CED/ 8423 Dated: 27-06-19

Your Ref. No. RE/PEPC/Sundar/B-173 Dated: 17-06-19

COMPRESSION TEST REPORT

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

Specimens received on: 19-06-19 Tested on: 20-06-19 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 | Slab 2nd/F B-5 | 20 | 5 | 2019 | 6x6x6 | 8.4 | 36 | 110 | 6850 | Engraved |
| 2 | Slab 2nd/F B-5 | 20 | 5 | 2019 | 6x6x6 | 8.2 | 36 | 61 | 3800 | Engraved |
| 3 | Slab 2nd/F B-5 | 20 | 5 | 2019 | 6x6x6 | 8.2 | 36 | 72 | 4480 | Engraved |
| End | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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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

8780

Dr. Aqsa

To: **Ch. Abdul Ghafoor (Resident Engineer)**

PEPAC (Pvt) Ltd. Lahore

Project:(Pkg-A)Estab. of Worker Welfare Complex(Ph-1), Adjacent to Sundar Industrial Estate Distt. Kasur

Our Ref. No. CL/CED/ 8424 Dated: 27-06-19

Your Ref. No. RE/PEPC/Sundar/A-174 Dated: 17-06-19

COMPRESSION TEST REPORT

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

Specimens received on: 19-06-19 Tested on: 20-06-19 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 | Slab 3rd/F A-7 | 21 | 5 | 2019 | 6x6x6 | 8.4 | 36 | 73 | 4550 | Engraved |
| 2 | Slab 3rd/F A-7 | 21 | 5 | 2019 | 6x6x6 | 8.4 | 36 | 71 | 4420 | Engraved |
| 3 | Slab 3rd/F A-7 | 21 | 5 | 2019 | 6x6x6 | 8.6 | 36 | 75 | 4670 | Engraved |
| End | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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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" 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

8788

To: Engr. Adnan Akmal (Project Co-ordinator)
Sinaco Engineers (Pvt) Ltd. Lahore
Project: Construction of Tariq Float Glass Plant at Sheikhpura

Engr. Ubaid Ahmed

Our Ref. No. CL/CED/ 8425 Dated: 27-06-19

Your Ref. No. SEL/LHR/C-461/10113 Dated: 19-06-19

COMPRESSION TEST REPORT

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

Specimens received on: 20-06-19 Tested on: 26-06-19 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 | T-B-B-B | 14 | 5 | 2019 | 6x6x6 | 9 | 36 | 127 | 7910 | Non Engraved |
| 2 | T-B-B-B | 14 | 5 | 2019 | 6x6x6 | 8.4 | 36 | 124 | 7720 | Non Engraved |
| End | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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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

8788

To: **Engr. Adnan Akmal (Project Co-ordinator)**
Sinaco Engineers (Pvt) Ltd. Lahore
Project: Construction of Tariq Float Glass Plant at Sheikhpura

Engr. Ubaid Ahmed

Our Ref. No. CL/CED/ 8426 Dated: 27-06-19

Your Ref. No. SEL/LHR/C-461/10116 Dated: 19-06-19

COMPRESSION TEST REPORT

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

Specimens received on: 20-06-19 Tested on: 26-06-19 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 | B-P-C | 14 | 5 | 2019 | 6x6x6 | 8.6 | 36 | 117 | 7280 | Non Engraved |
| 2 | B-P-C | 14 | 5 | 2019 | 6x6x6 | 8.6 | 36 | 116 | 7220 | Non Engraved |
| End | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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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

8788

To: **Engr. Adnan Akmal (Project Co-ordinator)**
Sinaco Engineers (Pvt) Ltd. Lahore
Project: Construction of Tariq Float Glass Plant at Sheikhpura

Engr. Ubaid Ahmed

Our Ref. No. CL/CED/ 8427 Dated: 27-06-19

Your Ref. No. SEL/LHR/C-461/10114 Dated: 19-06-19

COMPRESSION TEST REPORT

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

Specimens received on: 20-06-19 Tested on: 26-06-19 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 | M-R-S | 18 | 5 | 2019 | 6x6x6 | 8.4 | 36 | 94 | 5850 | Non Engraved |
| 2 | M-R-S | 18 | 5 | 2019 | 6x6x6 | 8.4 | 36 | 99 | 6160 | Non Engraved |
| End | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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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

8788

To: **Engr. Adnan Akmal (Project Co-ordinator)**

Engr. Ubaid Ahmed

Sinaco Engineers (Pvt) Ltd. Lahore

Project: Construction of Tariq Float Glass Plant at Sheikhpura

Our Ref. No. CL/CED/ 8428 Dated: 27-06-19

Your Ref. No. SEL/LHR/C-461/10115 Dated: 19-06-19

COMPRESSION TEST REPORT

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

Specimens received on: 20-06-19 Tested on: 26-06-19 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 | B-P-B-B | 28 | 5 | 2019 | 6x6x6 | 8.4 | 36 | 107 | 6660 | Non Engraved |
| 2 | B-P-B-B | 28 | 5 | 2019 | 6x6x6 | 8.4 | 36 | 110 | 6850 | Non Engraved |
| End | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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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