



Plain and Reinforced Concrete Laboratory

Department of Civil Engineering

University of Engineering and Technology, Lahore

Phone Nos. 042-99029202, 042-99029217

9422

Dr. Aqsa

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

Office of the Chief Engineer, University of Okara.

Project: Construction of H.T, L.T & Transformer Rooms as per WAPDA Specifications/Standards at University of Okara.

Our Ref. No. CL/CED/ 9280 Dated: 21-11-19

Your Ref. No. Nil Dated: 30-10-19

COMPRESSION TEST REPORT

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

Specimens received on: 30-10-19 Tested on: 12-11-19 in dry/wet condition

| Sr. No. | Mark* | Casting Date* /Wet Weight (gms) | Size (in) | Weight (lbs./gms) | Area of X-Section (Sq. in) | Ultimate load (Tons/lbs) | Ultimate Stress (Psi) | Remarks |
|---------|-------|---------------------------------------|--------------|----------------------|-------------------------------|-----------------------------|--------------------------|---------|
| 1 | S | | 8.9x4.3x2.9 | 3290 | 38.27 | 27 | 1580 | |
| 2 | S | | 8.8x4.3x2.8 | 3303 | 37.84 | 27 | 1600 | |
| 3 | S | | 8.8x4.4x2.8 | 3281 | 38.72 | 23 | 1340 | |
| 4 | S | | 8.8x4.3x2.9 | 3295 | 37.84 | 27 | 1600 | |
| 5 | S | | 8.9x4.3x2.8 | 3311 | 38.27 | 42 | 2460 | |
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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

To: (Engr. Faizan Hussain), Assistant Engineer
B&W Department UET, Lahore.

9426
Dr. Aqsa

Project: Construction Site of Girls Hostel for 300 Students in UET, Lahore.

Our Ref. No. CL/CED/ 9281 Dated: 21-11-19

Your Ref. No. B&W/AEN/1174 Dated: 29-10-19

COMPRESSION TEST REPORT

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

Specimens received on: 30-10-19 Tested on: 12-11-19 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 | M | | 8.9x4.4x2.9 | 3110 | 39.16 | 46 | 2640 | |
| 2 | M | | 8.9x4.4x2.8 | 3122 | 39.16 | 57 | 3260 | |
| 3 | M | | 8.9x4.3x2.8 | 3147 | 38.27 | 44 | 2580 | |
| 4 | M | | 8.8x4.3x2.8 | 3109 | 37.84 | 56 | 3320 | |
| 5 | M | | 8.8x4.4x2.8 | 3139 | 38.72 | 46 | 2670 | |
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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

9426
Dr. Aqsa

To: (Engr. Faizan Hussain), Assistant Engineer
B&W Department UET, Lahore.

Project: Construction Site of Girls Hostel for 300 Students in UET, Lahore.

Our Ref. No. CL/CED/ 9282 Dated: 21-11-19

Your Ref. No. B&W/AEN/1175 Dated: 29-10-19

COMPRESSION TEST REPORT

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

Specimens received on: 30-10-19 Tested on: 12-11-19 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 | M | | 8.9x4.4x2.8 | 3270 | 39.16 | | | |
| 2 | M | | 8.9x4.4x2.8 | 3225 | 39.16 | | | |
| 3 | M | | 8.9x4.4x2.9 | 3261 | 39.16 | | | |
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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

9486

Dr. Asad Gillani

To: **Rashid Kamran, Resident Engineer**

NESPAK (Pvt) Ltd. (M/S Al-Ghafoor Construction Co.)

Project: Rehabilitation and Improvement of Road from Secretariat to Chouburji, Lahore.

Our Ref. No. CL/CED/ 9283 Dated: 21-11-19

Your Ref. No. 4047-R2/13/RK/03/YGC/29 Dated: 05-11-19

COMPRESSION TEST REPORT

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

Specimens received on: 12-11-19 Tested on: 20-11-19 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 | I-Section | | 2.3 thick | 3928 | 40.98 | 200 | 10940 | |
| 2 | I-Section | | 2.3 thick | 3850 | 40.98 | 192 | 10500 | |
| 3 | I-Section | | 2.3 thick | 3908 | 40.98 | 150 | 8200 | |
| 4 | I-Section | | 2.3 thick | 3889 | 40.98 | 162 | 8860 | |
| 5 | I-Section | | 2.3 thick | 3845 | 40.98 | 138 | 7550 | |
| 6 | I-Section | | 2.3 thick | 3914 | 40.98 | 138 | 7550 | |
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Phone Nos. 042-99029202, 042-99029217

9482
Dr. Aqsa

To: M. Qasim Farooq (Project Manager)
SIA Engineers & Contractors, Gujranwala
Project: B2S Site FFDR51, Tower Foundation & ODU & DG Pad

Our Ref. No. CL/CED/ 9284 Dated: 21-11-19
Your Ref. No. SIA/Cubes/e.co/B2S/033 Dated: 11-11-19

COMPRESSION TEST REPORT

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

Specimens received on: 12-11-19 Tested on: 19-11-19 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 | (1 : 1.5 : 3) | 14 | 10 | 2019 | 6x6x6 | 8.4 | 36 | 113 | 7040 | Non Engraved |
| 2 | (1 : 1.5 : 3) | 14 | 10 | 2019 | 6x6x6 | 8.4 | 36 | 100 | 6230 | Non Engraved |
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Phone Nos. 042-99029202, 042-99029217

9482

Dr. Aqsa

To: M. Qasim Farooq (Project Manager)
SIA Engineers & Contractors, Gujranwala
Project: B2S Site ID LWZR05, Tower Columns Foundation

Our Ref. No. CL/CED/ 9285 Dated: 21-11-19

Your Ref. No. SIA/Cubes/e.co/B2S/032 Dated: 08-11-19

COMPRESSION TEST REPORT

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

Specimens received on: 12-11-19 Tested on: 19-11-19 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 | (1 : 1.5 : 3) | 11 | 10 | 2019 | 6x6x6 | 8.6 | 36 | 98 | 6100 | Non Engraved |
| 2 | (1 : 1.5 : 3) | 11 | 10 | 2019 | 6x6x6 | 8.2 | 36 | 109 | 6790 | 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

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Phone Nos. 042-99029202, 042-99029217

9482
Dr. Aqsa

To: M. Qasim Farooq (Project Manager)
SIA Engineers & Contractors, Gujranwala
Project: B2S Site ID LKL003, Tower Columns

Our Ref. No. CL/CED/ 9286 Dated: 21-11-19

Your Ref. No. SIA/Cubes/e.co/B2S/030 Dated: 02-11-19

COMPRESSION TEST REPORT

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

Specimens received on: 12-11-19 Tested on: 19-11-19 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 | (1 : 1.5 : 3) | 26 | 10 | 2019 | 6x6x6 | 8.6 | 36 | 109 | 6790 | Non Engraved |
| 2 | (1 : 1.5 : 3) | 26 | 10 | 2019 | 6x6x6 | 8.6 | 36 | 104 | 6480 | Non Engraved |
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University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

9482
Dr. Aqsa

To: M. Qasim Farooq (Project Manager)
SIA Engineers & Contractors, Gujranwala
Project: B2S Site ID LWZR05, Tower Columns

Our Ref. No. CL/CED/ 9287 Dated: 21-11-19

Your Ref. No. SIA/Cubes/e.co/B2S/035 Dated: 09-11-19

COMPRESSION TEST REPORT

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

Specimens received on: 12-11-19 Tested on: 19-11-19 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 | (1 : 1.5 : 3) | 12 | 10 | 2019 | 6x6x6 | 8.4 | 36 | 118 | 7350 | Non Engraved |
| 2 | (1 : 1.5 : 3) | 12 | 10 | 2019 | 6x6x6 | 8.2 | 36 | 103 | 6410 | Non Engraved |
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Phone Nos. 042-99029202, 042-99029217

9482
Dr. Aqsa

To: M. Qasim Farooq (Project Manager)
SIA Engineers & Contractors, Gujranwala
Project: B2S Site ID LKL003, Tower Columns Foundation

Our Ref. No. CL/CED/ 9288 Dated: 21-11-19
Your Ref. No. SIA/Cubes/e.co/B2S/028 Dated: 31-10-19

COMPRESSION TEST REPORT

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

Specimens received on: 12-11-19 Tested on: 19-11-19 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 | (1 : 1.5 : 3) | 24 | 10 | 2019 | 6x6x6 | 8.6 | 36 | 126 | 7840 | Non Engraved |
| 2 | (1 : 1.5 : 3) | 24 | 10 | 2019 | 6x6x6 | 8.4 | 36 | 119 | 7410 | Non Engraved |
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Department of Civil Engineering
University of Engineering and Technology, Lahore
Phone Nos. 042-99029202, 042-99029217

9482
Dr. Aqsa

To: M. Qasim Farooq (Project Manager)
SIA Engineers & Contractors, Gujranwala
Project: B2S Site ID LMBR60, Tower Foundation & ODU & DG Pad

Our Ref. No. CL/CED/ 9289 Dated: 21-11-19

Your Ref. No. SIA/Cubes/e.co/B2S/029 Dated: 04-11-19

COMPRESSION TEST REPORT

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

Specimens received on: 12-11-19 Tested on: 19-11-19 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 | (1 : 1.5 : 3) | 28 | 10 | 2019 | 6x6x6 | 8.4 | 36 | 120 | 7470 | Non Engraved |
| 2 | (1 : 1.5 : 3) | 28 | 10 | 2019 | 6x6x6 | 8 | 36 | 116 | 7220 | Non Engraved |
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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

9482
Dr. Aqsa

To: M. Qasim Farooq (Project Manager)
SIA Engineers & Contractors, Gujranwala
Project: B2S Site ID LWZR04, Tower Columns

Our Ref. No. CL/CED/ 9290 Dated: 21-11-19

Your Ref. No. SIA/Cubes/e.co/B2S/036 Dated: 08-11-19

COMPRESSION TEST REPORT

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

Specimens received on: 12-11-19 Tested on: 19-11-19 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 | (1 : 1.5 : 3) | 11 | 10 | 2019 | 6x6x6 | 8.2 | 36 | 108 | 6720 | Non Engraved |
| 2 | (1 : 1.5 : 3) | 11 | 10 | 2019 | 6x6x6 | 8.6 | 36 | 125 | 7780 | 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

9482
Dr. Aqsa

To: M. Qasim Farooq (Project Manager)
SIA Engineers & Contractors, Gujranwala
Project: B2S Site ID LWZR04, Tower Columns Foundation

Our Ref. No. CL/CED/ 9291 Dated: 21-11-19

Your Ref. No. SIA/Cubes/e.co/B2S/037 Dated: 06-11-19

COMPRESSION TEST REPORT

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

Specimens received on: 12-11-19 Tested on: 19-11-19 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 | (1 : 1.5 : 3) | 9 | 10 | 2019 | 6x6x6 | 8 | 36 | 115 | 7160 | Non Engraved |
| 2 | (1 : 1.5 : 3) | 9 | 10 | 2019 | 6x6x6 | 8.2 | 36 | 102 | 6350 | 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

9482
Dr. Aqsa

To: **M. Qasim Farooq (Project Manager)**
SIA Engineers & Contractors, Gujranwala
Project: B2S Site ID FFDR52, Tower Foundation & ODU & DG Pad

Our Ref. No. CL/CED/ 9292 Dated: 21-11-19

Your Ref. No. SIA/Cubes/e.co/B2S/027 Dated: 30-10-19

COMPRESSION TEST REPORT

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

Specimens received on: 12-11-19 Tested on: 19-11-19 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 | (1 : 1.5 : 3) | 2 | 10 | 2019 | 6x6x6 | 8.6 | 36 | 104 | 6480 | Non Engraved |
| 2 | (1 : 1.5 : 3) | 2 | 10 | 2019 | 6x6x6 | 8 | 36 | 132 | 8220 | 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)

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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" 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

9491
Dr. Aqsa

To: Sub Divisional Officer (Buildings)
Sub Division Sheikhpura
Project: Construction of District Education Complexes in District Sheikhpura

Our Ref. No. CL/CED/ 9293 Dated: 21-11-19

Your Ref. No. 5961/S Dated: 09-11-19

COMPRESSION TEST REPORT

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

Specimens received on: 13-11-19 Tested on: 19-11-19 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 | RCC Footings (F1) | 23 | 10 | 2019 | 6x6x6 | 9 | 36 | 86 | 5360 | Engraved |
| 2 | RCC Footings (F2) | 23 | 10 | 2019 | 6x6x6 | 9 | 36 | 78 | 4860 | Engraved |
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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

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**** 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

9501
Dr. Aqsa

To: Sub Divisional Officer
Buildings Sub Division No.10, Lahore
Project: Construction of Lines / Training School for Close Protection Unit (Dolphin) at Township, Lahore
(Group No.1) (Admin Block)

Our Ref. No. CL/CED/ 9294 Dated: 21-11-19

Your Ref. No. 521/10th Dated: 12-11-19

COMPRESSION TEST REPORT

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

Specimens received on: 15-11-19 Tested on: 19-11-19 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 | Columns | 16 | 10 | 2018 | 6x6x6 | 9 | 36 | 135 | 8400 | Engraved |
| 2 | Columns | 16 | 10 | 2018 | 6x6x6 | 8.8 | 36 | 130 | 8090 | 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)

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**** 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

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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

9483

Dr. Aqsa

To: Ch. Furqan Noshad (Project Manager)
CM Engineering (Pvt.) Ltd. Lahore
Project: Ufone Huawei Site ID-3068

Our Ref. No. CL/CED/ 9295 Dated: 21-11-19

Your Ref. No. CME/Cubes/Ufone(Huawei)/537 Dated: 09-11-19

COMPRESSION TEST REPORT

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

Specimens received on: 12-11-19 Tested on: 19-11-19 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 | ODU PAD | 2 | 11 | 2019 | 6x6x6 | 8.6 | 36 | 115 | 7160 | Non Engraved |
| 2 | ODU PAD | 2 | 11 | 2019 | 6x6x6 | 8.8 | 36 | 94 | 5850 | 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

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supervisor(lab)

Director/Dy. Director Concrete Laboratory