

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

| Specimens received on: 18-04-2 | | | | -23 | Tested on: | 19-0 |)4-23 | in dry/we | t condition | | Ö | jestegi |
|--------------------------------|-----------------------|-----|------|-------|-------------|---------------|---------------|----------------------|------------------|--------------------|-------------------|--------------|
| Sr. No. | Mark* | Cas | ting | Date* | Size | Wet Weight | Dry Weight | Area of X-Section | Ultimate load | Ultimate Stress | Water Absorpti | Remarks |
| | | DD | MM | YYYY | (in) | (Kg/ gms) | (Kg/ gms) | (Sq. in) | (Imp.Tons) | (psi) | | |
| 1 | Ozone Grout NS (B) | 21 | 3 | 2023 | 2.8x2.8x2.8 | | 640 | 7.84 | 47 | 13429 | | Non Engraved |
| 2 | Ozone Grout NS (B) | 21 | 3 | 2023 | 2.8x2.8x2.8 | | 630 | 7.84 | 45 | 12857 | | Non Engraved |
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| Witness | ad by: | | | | | | | | | | | |

vitnessea by:

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)

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

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

4. **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprerssive strength

 $\underline{\textbf{Note:}}$ Above results pertain to the unsealed samples supplied to the laboratory



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

| Specimens received on: 18-0 | | | 8-04 | -23 | Tested on: | 19-0 |)4-23 | in dry/we | t condition | | Ë | jesilesi |
|-----------------------------|-----------------------|-----------|------------|---------------|--------------|----------------------------|----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|--------------|
| Sr. No. | Mark* | Cas DD | ting MM | Date* YYYY | Size (in) | Wet Weight (Kg/ gms) | Dry Weight (Kg/ gms) | Area of X-Section (Sq. in) | Ultimate Ioad (Imp.Tons) | Ultimate Stress (psi) | Water Absorpti on (%) | Remarks |
| 1 | Ozone Grout NS (A) | 21 | 3 | 2023 | 2.8x2.8x2.8 | | 640 | 7.84 | 45 | 12857 | | Non Engraved |
| 2 | Ozone Grout NS (A) | 21 | 3 | 2023 | 2.8x2.8x2.8 | | 635 | 7.84 | 47 | 13429 | | Non Engraved |
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| Witnoss | ad by: | | | | | | | | | | | |

Vitnessed by:

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)

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

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

4. **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprerssive strength

 $\underline{\textbf{Note:}}$ Above results pertain to the unsealed samples supplied to the laboratory



the report has been retained in the lab for record.

ORIGINAL A carbon copy for

5094 Dr. Umbreen

To: Mr. Muhammad Irfan Rana, Manager Procurement For & on Behalf of Marina Properties.

| Project: Nil | | | | |
|--------------------|----------|--------|----------|--------------------|
| Our Ref. No. CL/CI | ED/ 1789 | Dated: | 19-04-23 | Test Specification |
| Your Ref. No. | Nil | Dated: | 10-04-23 | (BS 3921**) |

COMPRESSION TEST REPORT

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

| Specimens received on: | | 1 | 0-04 | -23 | Tested on: | 19-0 | 04-23 | in dry/we | t condition | | Ë | je a a a b a b a b a b a b a b a b a b a |
|------------------------|-------------|-----|------|-------|-----------------|--------------------------------|---------------|----------------------|------------------|--------------------|-------------------|--|
| Sr. No. | Mark* | Cas | ting | Date* | Size | Wet Weight | Dry Weight | Area of X-Section | Ultimate Ioad | Ultimate Stress | Water Absorpti | Remarks |
| | | DD | ММ | ΥΥΥΥ | (in) | (Kg/ gms) | (Kg/ gms) | (Sq. in) | (Imp.Tons) | (psi) | on (%) | |
| 1 | AB | | | | 8.8 x 4.3 x 2.8 | 3380 | 3005 | 37.84 | 49 | 2901 | 12.48 | |
| 2 | AB | | | | 8.7 x 4.3 x 2.8 | 3415 | 3070 | 37.41 | 47 | 2814 | 11.24 | |
| 3 | AB | | | | 8.9 x 4.3 x 2.7 | 3240 | 2870 | 38.27 | 45 | 2634 | 12.89 | |
| 4 | AB | | | | 8.9 x 4.3 x 2.8 | 3370 | 2935 | 38.27 | 37 | 2166 | 14.82 | |
| 5 | AB | | | | 8.6 x 4.3 x 2.8 | 3465 | 3090 | 36.98 | 45 | 2726 | 12.14 | |
| 6 | | | | |) | READ IN | CALL D | | | | | |
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| Witness | sed by: Nil | | | | | | | | | | | |

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)

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

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

4. **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprensive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory





Project: Construction of FMH Tower Lahore Our Ref. No. CL/CED/ 1790 Your Ref. No. ICS/786/497

19/4/2023 16/4/2023

Dated:

Dated:

Test Specification

(ASTM C39)



COMPRESSION TEST REPORT

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

| Specim | ens received on: | 17 | /04/2 | 2023 | Tested on: | 19/4 | /2023 | in dry/we | t condition | | E | |
|---------|------------------|-----|-------|-------|------------|--------------------------------|---------------|----------------------|------------------|--------------------|-------------------|--------------|
| Sr. No. | Mark* | Cas | ting | Date* | Size | Wet Weight | Dry Weight | Area of X-Section | Ultimate load | Ultimate Stress | Water Absorpti | Remarks |
| | | DD | MM | YYYY | (in) | (Kg/ gms) | (Kg/ gms) | (Sq. in) | (Imp.Tons) | (psi) | 011 (70) | |
| 1 | | 18 | 3 | 2023 | 6Diax12 | | 14 | 28.28 | 92 | 7287 | | Non Engraved |
| 2 | | 18 | 3 | 2023 | 6Diax12 | | 13.6 | 28.28 | 88 | 6970 | | Non Engraved |
| 3 | | 18 | 3 | 2023 | 6Diax12 | | 13.6 | 28.28 | 88 | 6970 | | Non Engraved |
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| Witness | ed by: | | | | | | | | | | | |

vitnessea by:

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)

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

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

4. **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprerssive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory



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

| Specimens received on: 13/04/202 | | | | 2023 | Tested on: | 19/4/2023 | | in dry/wet condition | | | | jesnegi |
|----------------------------------|-------|-----------|------------|---------------|--------------|---------------------------------|----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|--------------|
| Sr. No. | Mark* | Cas DD | ting MM | Date* YYYY | Size (in) | Wet Weight (Kg/ gms) | Dry Weight (Kg/ gms) | Area of X-Section (Sq. in) | Ultimate Ioad (Imp.Tons) | Ultimate Stress (psi) | Water Absorpti on (%) | Remarks |
| 1 | | 11 | 3 | 2023 | 6Diax12 | | 13.2 | 28.28 | 59 | 4673 | | Non Engraved |
| 2 | | 11 | 3 | 2023 | 6Diax12 | | 13.4 | 28.28 | 53 | 4198 | | Non Engraved |
| 3 | | | | | | | | | | | | |
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Witnessed by: M. Husnain

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)

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

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

4. **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprerssive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory



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

| Specimens received on: | | | /04/2 | 2023 | Tested on: | : 19/4/2023 | | in dry/wet condition | | | | jester |
|------------------------|-----------------|-----------|------------|-------|--------------|---|----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|--------------|
| Sr. No. | Mark* | Cas DD | ting MM | Date* | Size (in) | Wet Weight (Kg/ gms) | Dry Weight (Kg/ gms) | Area of X-Section (Sq. in) | Ultimate load (Imp.Tons) | Ultimate Stress (psi) | Water Absorpti on (%) | Remarks |
| 1 | | 15 | 3 | 2023 | 6Diax12 | | 13 | 28.28 | 77 | 6099 | | Non Engraved |
| 2 | | 15 | 3 | 2023 | 6Diax12 | | 13 | 28.28 | 69 | 5465 | | Non Engraved |
| 3 | | | | | | | | | | | | |
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| Witness | ad by: M Huspai | n | | | | | | | | | | |

lithessed by: M. Hushain

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)

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

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

4. **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprerssive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory



| Project: Construction of Bachelor Accommodation | and Judicial Rest House at D | harampura District, | |
|---|------------------------------|---------------------|---------------------------|
| Our Ref. No. CL/CED/ 1793 | Dated: | 19/4/2023 | Test Specification |
| Your Ref. No. No. 2991 | Dated: | 03-04-23 | (ASTM C39) |



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

| Specim | ens received on: | 11 | /04/2 | 2023 | Tested on: | 19/4 | /2023 | in dry/we | t condition | | D | 1624640 |
|---------|------------------|-----|-------|-------|------------|---|---------------|----------------------|------------------|--------------------|-----------------------------|--------------|
| Sr. No. | Mark* | Cas | ting | Date* | Size | Wet Weight | Dry Weight | Area of X-Section | Ultimate load | Ultimate Stress | Water Absorpti on (%) | Remarks |
| | | עט | | YYYY | (in) | (Kg/ gms) | (Kg/ gms) | (Sq. in) | (Imp. I ons) | (psi) | - () | |
| 1 | 5000 Psi | 4 | 3 | 2023 | 6Diax12 | | 14 | 28.28 | 94 | 7446 | | Non Engraved |
| 2 | 5000 Psi | 4 | 3 | 2023 | 6Diax12 | | 13 | 28.28 | 75 | 5941 | | Non Engraved |
| 3 | 5000 Psi | 4 | 3 | 2023 | 6Diax12 | | 13 | 28.28 | 79 | 6257 | | Non Engraved |
| 4 | | | | | | | | | | | | |
| 5 | | | | | / | RINE | RINE | | | | | |
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| Witness | sed by: | | | | | | | | | | | |

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)

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

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

4. **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprensive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory



Project: Construction of Bachelor Accommodation and Judicial Rest House at Dharampura District, Lahore. Our Ref. No. CL/CED/ 1794 Dated: 19/4/2023 Test Specification Your Ref. No. No. 3036 Dated: 10-04-23

COMPRESSION TEST REPORT



(ASTM C39)

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

| Specim | ens received on: | 11 | /04/2 | 2023 | Tested on: | 19/4 | /2023 | in dry/we | t condition | | E | |
|---------|------------------|-----|---------------|------|------------|--------------------------------|---------------|----------------------|------------------|--------------------|-----------------------------|--------------|
| Sr. No. | Mark* | Cas | Casting Date* | | Size | Wet Weight | Dry Weight | Area of X-Section | Ultimate load | Ultimate Stress | Water Absorpti on (%) | Remarks |
| | | סס | | | (11) | (r.g/ gms) | (Kg/ gms) | (34. 11) | (imp.rons) | (psi) | . , | |
| 1 | 3000 Psi | 14 | 3 | 2023 | 6Diax12 | | 13 | 28.28 | 69 | 5465 | | Non Engraved |
| 2 | 3000 Psi | 14 | 3 | 2023 | 6Diax12 | | 13 | 28.28 | 65 | 5149 | | Non Engraved |
| 3 | 3000 Psi | 14 | 3 | 2023 | 6Diax12 | | 12.8 | 28.28 | 67 | 5307 | | Non Engraved |
| 4 | | | | | | | | | | | | |
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| Witness | sed by: | | | | | | | | | | | |

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)

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

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

4. **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprensive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory



| Project: Construction of Bachelor Accommodation and | l Judicial Rest House at D | harampura District, | |
|---|----------------------------|---------------------|--------------------|
| Lahore. Our Ref. No. CL/CED/ 1795 | Dated: | 19/4/2023 | Test Specification |
| Your Ref. No. No. 3006 | Dated: | 05-04-23 | (ASTM C39) |



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

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| Specim | ens received on: | 11 | /04/2 | 2023 | Tested on: | 19/4 | /2023 | in dry/we | t condition | | | 日本会議部署の |
|---------------|------------------|-----|-------|-------|------------|--|---------------|----------------------|------------------|--------------------|-------------------|--------------|
| Sr. No. Mark* | | Cas | ting | Date* | Size | Wet Weight | Dry Weight | Area of X-Section | Ultimate load | Ultimate Stress | Water Absorpti | Remarks |
| | | DD | MM | YYYY | (in) | (Kg/ gms) | (Kg/ gms) | (Sq. in) | (Imp.Tons) | (psi) | 011 (%) | |
| 1 | 3000 Psi | 7 | 3 | 2023 | 6Diax12 | | 13.6 | 28.28 | 61 | 4832 | | Non Engraved |
| 2 | 3000 Psi | 7 | 3 | 2023 | 6Diax12 | | 13 | 28.28 | 71 | 5624 | | Non Engraved |
| 3 | 3000 Psi | 7 | 3 | 2023 | 6Diax12 | | 13.4 | 28.28 | 67 | 5307 | | Non Engraved |
| 4 | | | | | | | | | | | | |
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| Witness | ed by: | | | | | | | | | | | |

Vitnessea by:

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)

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

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

4. **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as compressive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory



| Project: Construction of Bachelor Accommodation a | nd Judicial Rest House at D | harampura District, | |
|---|-----------------------------|---------------------|--------------------|
| Lahore. Our Ref. No. CL/CED/ 1796 | Dated: | 19/4/2023 | Test Specification |
| Your Ref. No. No. 3004 | Dated: | 05-04-23 | (ASTM C39) |



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

| Specim | ens received on: | 11 | /04/2 | 2023 | Tested on: | 19/4 | /2023 | in dry/we | t condition | | | |
|---------|------------------|-----------|------------|---------------|--------------|----------------------------|----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|--------------|
| Sr. No. | Mark* | Cas DD | ting MM | Date* YYYY | Size (in) | Wet Weight (Kg/ gms) | Dry Weight (Kg/ gms) | Area of X-Section (Sq. in) | Ultimate load (Imp.Tons) | Ultimate Stress (psi) | Water Absorpti on (%) | Remarks |
| 1 | 5000 Psi | 7 | 3 | 2023 | 6Diax12 | | 13 | 28.28 | 75 | 5941 | | Non Engraved |
| 2 | 5000 Psi | 7 | 3 | 2023 | 6Diax12 | | 13 | 28.28 | 63 | 4990 | | Non Engraved |
| 3 | 5000 Psi | 7 | 3 | 2023 | 6Diax12 | | 13 | 28.28 | 75 | 5941 | | Non Engraved |
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| Witness | ed hv: | | | | | | | | | | | |

Vitnessea by:

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)

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

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

4. **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as compressive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory



University of Engineering and Technology, Lahore. Pakistan Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL A carbon copy for the report has been retained in the lab for record.

5125 Dr. Asad Gillani

To: **Sub Divisional Officer**

Farooqabad Link Canal Sub Division, Farooqabad

Project: Construction of New QB Link Office Complex, Residences and Boundary Wall at Farooqabad

| Our Ref. No. CL/ | CED/ 1797-1 of 2 | Dated: | 19/4/2023 | Test Specification |
|------------------|------------------|--------|------------|--------------------|
| Your Ref. No. | 942/7-G-1 | Dated: | 21/10/2022 | (ASTM C39) |

COMPRESSION TEST REPORT



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

| Specim | ens received on: | 14 | /04/2 | 2023 | Tested on: | 19/4 | /2023 | in dry/we | t condition | | Ċ | jestegi |
|---------|------------------|-----------|------------|---------------|--------------|---------------------------------|----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|--------------|
| Sr. No. | Mark* | Cas DD | ting MM | Date* YYYY | Size (in) | Wet Weight (Kg/ gms) | Dry Weight (Kg/ gms) | Area of X-Section (Sq. in) | Ultimate load (Imp.Tons) | Ultimate Stress (psi) | Water Absorpti on (%) | Remarks |
| 1 | | 15 | 9 | 2022 | 6Diax12 | | 13.3 | 28.28 | 55 | 4356 | | Non Engraved |
| 2 | | 15 | 9 | 2022 | 6Diax12 | | 13.8 | 28.28 | 47 | 3723 | | Non Engraved |
| 3 | | 15 | 9 | 2022 | 6Diax12 | | 14 | 28.28 | 53 | 4198 | | Non Engraved |
| 4 | | 15 | 9 | 2022 | 6Diax12 | | 13.6 | 28.28 | 55 | 4356 | | Non Engraved |
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| Witness | sed by: | | | | | | | | | | | |

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Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)

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

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

4. **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprensive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory



University of Engineering and Technology, Lahore. Pakistan Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895

ORIGINAL A carbon copy for the report has been retained in the lab for record.

5125 Dr. Asad Gillani

To: **Sub Divisional Officer**

Farooqabad Link Canal Sub Division, Farooqabad

Project: Construction of New QB Link Office Complex, Residences and Boundary Wall at Farooqabad.

| Our Ref. No. CL | CED/ 1797-2 of 2 | Dated: | 19/4/2023 | Test Specification |
|-----------------|------------------|--------|------------|--------------------|
| Your Ref. No. | 942/7-G-1 | Dated: | 21/10/2022 | (BS 1881-116) |

COMPRESSION TEST REPORT



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

| Specim | ens received on: | 14 | /04/2 | 2023 | Tested on: | 19/4 | /2023 | in dry/we | t condition | | Ċ | jester j |
|---------|------------------|-----------|------------|---------------|--------------|---------------------------------|----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|--------------|
| Sr. No. | Mark* | Cas DD | ting MM | Date* YYYY | Size (in) | Wet Weight (Kg/ gms) | Dry Weight (Kg/ gms) | Area of X-Section (Sq. in) | Ultimate load (Imp.Tons) | Ultimate Stress (psi) | Water Absorpti on (%) | Remarks |
| 1 | | 15 | 9 | 2022 | 6x6x6 | | 8.2 | 36 | 59 | 3671 | | Non Engraved |
| 2 | | 15 | 9 | 2022 | 6x6x6 | | 8.4 | 36 | 65 | 4044 | | Non Engraved |
| 3 | | 15 | 9 | 2022 | 6x6x6 | | 8.5 | 36 | 61 | 3796 | | Non Engraved |
| 4 | | | | | | | | | | | | |
| 5 | | | | | / | HEINE | RINE | | | | | |
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Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)

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

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

4. **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprensive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory



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5125 Dr. Asad Gillani

To: Sub Divisional Officer

Farooqabad Link Canal Sub Division, Farooqabad

Project: Construction of New QB Link Office Complex, Residences and Boundary Wall at Farooqabad.

| Our Ref. No. CL/ | CED/ 1798-1 of 2 | Dated: | 19/4/2023 | Test Specification |
|------------------|------------------|--------|------------|--------------------|
| Your Ref. No. | 942/7-G-1 | Dated: | 21/10/2022 | (ASTM C39) |

COMPRESSION TEST REPORT



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

| Specim | ens received on: | 14 | /04/2 | 2023 | Tested on: | 19/4 | /2023 | in dry/wet condition | | | | |
|---------|------------------|-----------|------------|---------------|--------------|--------------------------------|----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|--------------|
| Sr. No. | Mark* | Cas DD | ting MM | Date* YYYY | Size (in) | Wet Weight (Kg/ gms) | Dry Weight (Kg/ gms) | Area of X-Section (Sq. in) | Ultimate load (Imp.Tons) | Ultimate Stress (psi) | Water Absorpti on (%) | Remarks |
| 1 | | 19 | 9 | 2022 | 6Diax12 | | 13.3 | 28.28 | 51 | 4040 | | Non Engraved |
| 2 | | 19 | 9 | 2022 | 6Diax12 | | 13.4 | 28.28 | 45 | 3564 | | Non Engraved |
| 3 | | | | | | | | | | | | |
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Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)

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

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

4. **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprensive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory



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ORIGINAL A carbon copy for the report has been retained in the lab for record.

5125 Dr. Asad Gillani

To: **Sub Divisional Officer**

Farooqabad Link Canal Sub Division, Farooqabad

Project: Construction of New QB Link Office Complex, Residences and Boundary Wall at Farooqabad.

| Our Ref. No. CL/ | CED/ 1798-2 of 2 | Dated: | 19/4/2023 | Test Specification |
|------------------|------------------|--------|------------|--------------------|
| Your Ref. No. | 942/7-G-1 | Dated: | 21/10/2022 | (BS 1881-116) |

COMPRESSION TEST REPORT



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

| Specim | ens received on: | 14 | /04/2 | 2023 | Tested on: | 19/4 | /2023 | in dry/we | t condition | | Ċ | jester j |
|---------|------------------|-----------|------------|---------------|--------------|--------------------------------|----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|--------------|
| Sr. No. | Mark* | Cas DD | ting MM | Date* YYYY | Size (in) | Wet Weight (Kg/ gms) | Dry Weight (Kg/ gms) | Area of X-Section (Sq. in) | Ultimate load (Imp.Tons) | Ultimate Stress (psi) | Water Absorpti on (%) | Remarks |
| 1 | | 19 | 9 | 2022 | 6x6x6 | | 8.2 | 36 | 57 | 3547 | | Non Engraved |
| 2 | | 19 | 9 | 2022 | 6x6x6 | | 8.4 | 36 | 61 | 3796 | | Non Engraved |
| 3 | | | | | | | | | | | | |
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Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)

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

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

4. **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprensive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory



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ORIGINAL A carbon copy for the report has been retained in the lab for record.

5125 Dr. Asad Gillani

To: **Sub Divisional Officer**

Farooqabad Link Canal Sub Division, Farooqabad

Project: Construction of New Q.B Link Office Complex, Residences and Boundary Wall at Farooqabad.

| Our Ref. No. CL/C | ED/ 1799 | Dated: | 19/4/2023 | Test Specification |
|-------------------|----------|--------|------------|--------------------|
| Your Ref. No. | 52/OR | Dated: | 24/02/2023 | (ASTM C39) |

COMPRESSION TEST REPORT



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

| Specim | ens received on: | 14 | /04/2 | 2023 | Tested on: | 19/4 | /2023 | in dry/we | t condition | | Ċ | jestegi |
|---------|------------------|-----------|------------|---------------|--------------|---|----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|--------------|
| Sr. No. | Mark* | Cas DD | ting MM | Date* YYYY | Size (in) | Wet Weight (Kg/ gms) | Dry Weight (Kg/ gms) | Area of X-Section (Sq. in) | Ultimate load (Imp.Tons) | Ultimate Stress (psi) | Water Absorpti on (%) | Remarks |
| 1 | | 24 | 1 | 2023 | 6Diax12 | | 13.2 | 28.28 | 51 | 4040 | | Non Engraved |
| 2 | | 24 | 1 | 2023 | 6Diax12 | | 13.5 | 28.28 | 49 | 3881 | | Non Engraved |
| 3 | | 24 | 1 | 2023 | 6Diax12 | | 13.6 | 28.28 | 45 | 3564 | | Non Engraved |
| 4 | | 24 | 1 | 2023 | 6Diax12 | | 13.6 | 28.28 | 45 | 3564 | | Non Engraved |
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Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)

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

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

4. **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprensive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory



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ORIGINAL A carbon copy for the report has been retained in the lab for record.

5125 Dr. Asad Gillani

To: **Sub Divisional Officer**

Farooqabad Link Canal Sub Division, Farooqabad

Project: Construction of New QB Link Office Complex, Residences and Boundary Wall at Farooqabad

| Our Ref. No. CL/0 | ED/ 1800 | Dated: | 19/4/2023 | Test Specification | | |
|-------------------|----------|--------|-----------|--------------------|--|--|
| Your Ref. No. | 68/OR | Dated: | 14/3/2023 | (ASTM C39) | | |

COMPRESSION TEST REPORT



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

| Specimens received on: | | 14/04/2023 Te | | 2023 | Tested on: | 19/4/2023 | | in dry/wet condition | | | | |
|------------------------|-------|---------------|------------|---------------|--------------|---------------------------------|----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|--------------|
| Sr. No. | Mark* | Cas DD | ting MM | Date* YYYY | Size (in) | Wet Weight (Kg/ gms) | Dry Weight (Kg/ gms) | Area of X-Section (Sq. in) | Ultimate load (Imp.Tons) | Ultimate Stress (psi) | Water Absorpti on (%) | Remarks |
| 1 | | 14 | 2 | 2023 | 6Diax12 | | 13 | 28.28 | 45 | 3564 | | Non Engraved |
| 2 | | 14 | 2 | 2023 | 6Diax12 | | 13.2 | 28.28 | 49 | 3881 | | Non Engraved |
| 3 | | 14 | 2 | 2023 | 6Diax12 | | 13.5 | 28.28 | 47 | 3723 | | Non Engraved |
| 4 | | 14 | 2 | 2023 | 6Diax12 | | 13.1 | 28.28 | 51 | 4040 | | Non Engraved |
| 5 | | | | | - | HEINE | RINE | | | | | |
| 6 | | | | |) | READ IN | CALLS D | | | | | |
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Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)

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

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

4. **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as comprensive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory



| Resident Engineer | | | | | | | | | | |
|---------------------------|---|--------|-----------|--|--|--|--|--|--|--|
| Workers Welfar | Workers Welfare Complex (Phase-1) Adjacent to Sundar Industrial Estate District Kasur. | | | | | | | | | |
| Project: Establis | Project: Establishment of Workers Welfare Complex (Phase-1), Adjacent to Sundar Industrial Estate | | | | | | | | | |
| District Kasur, Package T | | | | | | | | | | |
| Our Ref. No. CL | /CED/ 1801 | Dated: | 19/4/2023 | | | | | | | |
| Your Ref. No. | RE/WWC/2023/T-06 | Dated: | 11-04-23 | | | | | | | |

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Test Specification

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

| Specimens received on: | | 13/04/2023 | | 2023 | Tested on: | 19/4/2023 | | in dry/wet condition | | 回る設備の | | |
|------------------------|---------------------------|------------|------|-------|------------|--------------------------------|---------------|----------------------|------------------|--------------------|-------------------|---------|
| Sr. No. | Mark* | Cas | ting | Date* | Size | Wet Weight | Dry Weight | Area of X-Section | Ultimate Ioad | Ultimate Stress | Water Absorpti | Remarks |
| | | DD | MM | YYYY | (in) | (Kg/ gms) | (Kg/ gms) | (Sq. in) | (Imp.Tons) | (psi) | on (%) | |
| 1 | Uni-Block, Grey, 60 mm | | | | 2.3" Thick | | 3500 | 37.44 | 140 | 8376 | | |
| 2 | Uni-Block, Grey, 60 mm | | | | 2.3" Thick | | 3295 | 37.44 | 108 | 6462 | | |
| 3 | Uni-Block, Grey, 60 mm | | | | 2.3" Thick | | 3470 | 37.44 | 138 | 8256 | | |
| 4 | Uni-Block, Grey, 60 mm | | | | 2.3" Thick | | 3205 | 37.44 | 98 | 5863 | | |
| 5 | Uni-Block, Grey, 60 mm | | | | 2.3" Thick | RINE | 3310 | 37.44 | 102 | 6103 | | |
| 6 | Uni-Block, Grey, 60 mm | | | | 2.3" Thick | I READ W | 3285 | 37.44 | 90 | 5385 | | |
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| 16 | | | | | | | | | | | | |
| Witness | sed by: | | | | | | | | | | | |

Results can also be seen on website https://civil.uet.edu.pk/concrete-laboratory-reports1/

1. * as engraved on the specimens (if any)

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

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

4. **** ACI318-08 requires mean of two sample (6"diax12" cylinder) strength at 28 days as compressive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory

1. The laboratory is not responsible for sampling, originality and construction conditions (such as mix proportion, w/c ratio, compaction, curing and quality of ingredients) 2. The test results are recommended to be interpreted in the light of above factors by the engineer.



5114 Dr. Umbreen