

Plain and Reinforced Concrete Laboratory

Civil Engineering Department

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.

7924 Engr. A. Rehman

| Engr. M. Usama for STRUC-ARCH | Pakistan | | | - |
|----------------------------------------|------------------------------------------------|--------------------------------|---------------------|--------------------|
| Project: Construct (Pad Concrete of | ction of New 500KV Circuit Brea Foundation) | ker Foundations at Roush Power | Plant, Khanewal, Pa | kistan |
| Our Ref. No. CL/C | ED/ 6053 | Dated: | 04-10-24 | Test Specification |
| Your Ref. No. | Rousch/24/MU/14 | Dated: | 27/9/2024 | (ASTM C39) |

COMPRESSION TEST REPORT



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

| Specim | ens received on: | 0 | 2-10 | -24 | Tested on: | 04-1 | 0-24 | in dry/wet | t condition | | [| o cratterio |
|---------|------------------|-----------|------------|-------|--------------|----------------------------|-----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|--------------|
| Sr. No. | Mark* | Cas DD | ting MM | Date* | Size (in) | Wet Weight (Ka/ ams) | Dry Weight (Ka/ ams) | Area of X-Section (Sg. in) | Ultimate load (Imp.Tons) | Ultimate Stress (psi) | Water Absorpti on (%) | Remarks |
| 1 | B2Q2L3 | 15 | 8 | 2024 | 6Diax12 | | 13 | 28.28 | 36 | 2851 | | Non Engraved |
| 2 | B2Q2L3 | 15 | 8 | 2024 | 6Diax12 | | 14 | 28.28 | 37 | 2931 | | Non Engraved |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
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| Witness | ad by | | | | | | | | | | | |

witnessea 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.

Supervisor (Lab)



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

7924 Engr. A. Rehman

| Engr. M. Usama for STRUC-ARCH Pakistan | | | |
|--------------------------------------------------------------------------------------|--------------------------------|----------------------|--------------------|
| Project: Construction of New 500KV Circuit Brea (Pedestal Concrete of Foundation) | ker Foundations at Roush Power | Plant, Khanewal, Pal | kistan |
| Our Ref. No. CL/CED/ 6054 | Dated: | 04-10-24 | Test Specification |
| Your Ref. No. Rousch/24/MU/19 | Dated: | 27/9/2024 | (ASTM C39) |

COMPRESSION TEST REPORT



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

| Specime | ens received on: | 0 | 2-10 | -24 | Tested on: | 04-1 | 10-24 | in dry/wet | condition | | 0 |] <i>620846</i> |
|---------|------------------|-----|------------|-------|--------------|-------------------------------|----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|-----------------|
| Sr. No. | Mark* | Cas | ting MM | Date* | Size (in) | Wet Weight (Ka/ ams) | Dry Weight (Ka/ ams) | Area of X-Section (Sg. in) | Ultimate load (Imp.Tons) | Ultimate Stress (psi) | Water Absorpti on (%) | Remarks |
| 1 | B2Q2L1 | 31 | 8 | 2024 | 6Diax12 | | 13.8 | 28.28 | 50 | 3960 | | Non Engraved |
| 2 | B2Q2L1 | 31 | 8 | 2024 | 6Diax12 | | 13 | 28.28 | 42 | 3327 | | Non Engraved |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | WHINE | RING A | | | | | |
| 6 | | | | | -) | READ N | 207 | | | | | |
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| Witness | od by: | | | | | | | | | | | |

witnessea 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.



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7924 Engr. A. Rehman

| Engr. M. Usama for STRUC-ARCH Pakistan | | | |
|----------------------------------------------------------------------------------------------|-------------------------|---------------------|--------------------|
| Project: Construction of New 500KV Circuit Breaker Four (Pedestal Concrete of Foundation) | ndations at Roush Power | Plant, Khanewal, Pa | kistan |
| Our Ref. No. CL/CED/ 6055 | Dated: | 04-10-24 | Test Specification |
| Your Ref. No. Rousch/24/MU/20 | Dated: | 27/9/2024 | (ASTM C39) |

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COMPRESSION TEST REPORT



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

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| Specim | ens received on: | 0 | 2-10 | -24 | Tested on: | 04-1 | 0-24 | in dry/wet | t condition | | | i Centrad |
|-------------|------------------|-----|------------|-------|--------------|-------------------------------|----------------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|--------------|
| Sr. No. | Mark* | Cas | ting MM | Date* | Size (in) | Wet Weight (Ka/ ams) | Dry Weight (Ka/ ams) | Area of X-Section (Sɑ. in) | Ultimate load (Imp.Tons) | Ultimate Stress (psi) | Water Absorpti on (%) | Remarks |
| 1 | B2Q2L2 | 2 | 9 | 2024 | 6Diax12 | | 13.4 | 28.28 | 43 | 3406 | | Non Engraved |
| 2 | B2Q2L2 | 2 | 9 | 2024 | 6Diax12 | | 13.6 | 28.28 | 46 | 3644 | | Non Engraved |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | < | NETNE | RING | | | | | |
| 6 | | | | | > | READ IN | 2071 | _ | | | | |
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| 16 | | | | | | | | | | | | |
| 14/24-1-1-1 | | | | | | | | | | | | |

Witnessed 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

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.

Supervisor (Lab)



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7924 Engr. A. Rehman

| Engr. M. Usama for STRUC-ARCH Pakistan | | | |
|---------------------------------------------------------------------------------------|--------------------------------|----------------------|--------------------|
| Project: Construction of New 500KV Circuit Breal (Pedestal Concrete of Foundation) | ker Foundations at Roush Power | Plant, Khanewal, Pal | kistan |
| Our Ref. No. CL/CED/ 6056 | Dated: | 04-10-24 | Test Specification |
| Your Ref. No. Rousch/24/MU/17 | Dated: | 27/9/2024 | (ASTM C39) |

COMPRESSION TEST REPORT



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

| Specim | ens received on: | 0 | 2-10 | -24 | Tested on: | 04-1 | 10-24 | in dry/wet | condition | | [| 16208240 |
|---------|------------------|-----------|------------|---------------|--------------|-------------------------------|----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|--------------|
| 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 | B3Q2L1 | 26 | 8 | 2024 | 6Diax12 | | 13 | 28.28 | 58 | 4594 | | Non Engraved |
| 2 | B3Q2L1 | 26 | 8 | 2024 | 6Diax12 | | 13.6 | 28.28 | 43 | 3406 | | Non Engraved |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
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| 15 | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | |
| Witness | od by: | | | | | | | | | | | |

witnessed 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.



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7924 Engr. A. Rehman

| Engr. M. Usama for STRUC-ARC | H Pakistan | | | |
|-------------------------------------|------------------------------------------------------------------------------------------------------|---------------------------|---------------------|--------------------|
| Project: Constru (Pedestal Conci | uction of New 500KV Circuit Breaker Fore termination of New 500KV Circuit Breaker Fore termination (| oundations at Roush Power | Plant, Khanewal, Pa | kistan |
| Our Ref. No. CL | /CED/ 6057 | Dated: | 04-10-24 | Test Specification |
| Your Ref. No. | Rousch/24/MU/18 | Dated: | 27/9/2024 | (ASTM C39) |

COMPRESSION TEST REPORT



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

| Specim | ens received on: | 0 | 2-10 | -24 | Tested on: | 04-1 | 0-24 | in dry/wet | condition | | 0 |] <i>620846</i> |
|---------|------------------|-----|------|-------|------------|---------------|-----------------------------|----------------------|------------------|--------------------|-----------------------------|-----------------|
| Sr. No. | Mark* | Cas | ting | Date* | Size | Wet Weight | Dry Weight | Area of X-Section | Ultimate load | Ultimate Stress | Water Absorpti on (%) | Remarks |
| | | DD | MM | YYYY | (in) | (Kg/ gms) | (Kg/ gms) | (Sq. in) | (Imp.Tons) | (psi) | | |
| 1 | B3Q2L2 | 28 | 8 | 2024 | 6Diax12 | | 13 | 28.28 | 57 | 4515 | | Non Engraved |
| 2 | B3Q2L2 | 28 | 8 | 2024 | 6Diax12 | | 14 | 28.28 | 56 | 4436 | | Non Engraved |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
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| 16 | | | | | | | | | | | | |
| Witness | ad by | | | | | | | | | | | |

witnessed 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.

Supervisor (Lab)



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7924 Engr. A. Rehman

| Engr. M. Usama for STRUC-ARCH Pakistan | | | |
|-------------------------------------------------------------------------------|--------------------------------------|------------------------|--------------------|
| Project: Construction of New 500KV Circu (Pedestal Concrete of Foundation) | it Breaker Foundations at Roush Powe | r Plant, Khanewal, Pał | kistan |
| Our Ref. No. CL/CED/ 6058 | Dated: | 04-10-24 | Test Specification |
| Your Ref. No. Rousch/24/MU/12 | Dated: | 27/9/2024 | (ASTM C39) |

COMPRESSION TEST REPORT



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

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| Specimo | ens received on: | 0 | 2-10 | -24 | Tested on: | 04-1 | 0-24 | in dry/we | t condition | | Ŀ | i <i>center</i> |
|---------|------------------|-----------|------------|---------------|--------------|------------------------------|---------------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|-----------------|
| 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 | B3Q2(L1, L2, L3) | 13 | 8 | 2024 | 6Diax12 | | 13.5 | 28.28 | 46 | 3644 | | Non Engraved |
| 2 | B3Q2(L1, L2, L3) | 13 | 8 | 2024 | 6Diax12 | | 13 | 28.28 | 49 | 3881 | | Non Engraved |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
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Witnessed 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.

Supervisor (Lab)



Civil Engineering Department

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7920 Engr. A. Rehman

To: Sub Divisional Officer Buildings Sub Division Narowal

Project: Construction of District Office CTD NAROWAL ADP # 4916 For the Year 2023-24.

| Our Ref. No. CL/CED | o/ 6059 | Dated: | 04-10-24 | Test Specification |
|---------------------|---------|--------|-----------|--------------------|
| Your Ref. No. 3 | 88/NL | Dated: | 30/8/2024 | (ASTM C39) |

COMPRESSION TEST REPORT



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

| Specim | ens received on: | 0 | 1-10 | -24 | Tested on: | 04-1 | 10-24 | in dry/wet | t condition | | 0 | o contrado |
|---------|------------------|-----|------------|-------|--------------|-------------------------------|----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|--------------|
| Sr. No. | Mark* | Cas | ting MM | Date* | Size (in) | Wet Weight (Ka/ ams) | Dry Weight (Ka/ ams) | Area of X-Section (Sg. in) | Ultimate load (Imp Tons) | Ultimate Stress (psi) | Water Absorpti on (%) | Remarks |
| 1 | RCC (1:2:4) | 15 | 7 | 2024 | 6Diax12 | | 14 | 28.28 | 68 | 5386 | | Non Engraved |
| 2 | RCC (1:2:4) | 15 | 7 | 2024 | 6Diax12 | | 14 | 28.28 | 72 | 5703 | | Non Engraved |
| 3 | RCC (1:2:4) | 15 | 7 | 2024 | 6Diax12 | | 13.6 | 28.28 | 72 | 5703 | | Non Engraved |
| 4 | | | | | | / | | | | | | |
| 5 | | | | | / | NHNE | RING | | | | | |
| 6 | | | | | -) | READ IN | ROTT | _ | | | | |
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| 14/:4 | a al la su | | | | | | | | | | | |

Witnessed 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.



Civil Engineering Department

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7860 Engr. A. Rehman

To: Mr. M. OMER

DIRECTOR, DESIGN SPOT, Millat Chowk, Faisalabad

| Project: KFC MUGHAL PURA LAHORE | | | |
|---------------------------------|--------|----------|--------------------|
| Our Ref. No. CL/CED/ 6060 | Dated: | 04-10-24 | Test Specification |
| Your Ref. No. Nil | Dated: | 23-09-24 | (ASTM C39) |

COMPRESSION TEST REPORT





Witnessed 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

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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.



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7860 Engr. A. Rehman

To: Mr. M. OMER

DIRECTOR, DESIGN SPOT, Millat Chowk, Faisalabad

| Project: KFC MUGHAL PURA LAHORE | | | |
|---------------------------------|--------|----------|--------------------|
| Our Ref. No. CL/CED/ 6061 | Dated: | 04-10-24 | Test Specification |
| Your Ref. No. Nil | Dated: | 23-09-24 | (ASTM C39) |

COMPRESSION TEST REPORT



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

| Specim | ens received on: | 2 | 3/9/2 | 024 | Tested on: | 04-1 | 0-24 | in dry/wet | condition | | 0 | 1680899 |
|---------|------------------|-----|-------|-------|------------|---------------|-----------------------------|----------------------|------------------|--------------------|-----------------------------|--------------|
| Sr. No. | Mark* | Cas | ting | Date* | Size | Wet Weight | Dry Weight | Area of X-Section | Ultimate Ioad | Ultimate Stress | Water Absorpti on (%) | Remarks |
| | | סס | | | (in) | (rsg/ gms) | (rkg/ gms) | (Sq. III) | (imp.rons) | (psi) | . , | |
| 1 | 3000 Psi | 12 | 9 | 2024 | 6Diax12 | | 11.2 | 28.28 | 26 | 2059 | | Non Engraved |
| 2 | 3000 Psi | 12 | 9 | 2024 | 6Diax12 | | 11 | 28.28 | 44 | 3485 | | Non Engraved |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
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Witnessed 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.



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Mark*

Basement Bed

Conc. (4000 Psi) **Basement Bed**

Conc. (4000 Psi) Basement Bed

Conc. (4000 Psi) **Basement Bed**

Conc. (4000 Psi)

Plain and Reinforced Concrete Laboratory

Civil Engineering Department

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

7904 Engr. A. Rehman

To: Mr. Muazzam Shoukat Muhammad Younis Construction Company

Project: House Ex-Park View Phase 8 House # 59-A, Lahore.

| Our Ref. No. CL/CED/ 6062 | Dated: | 04-10-24 | Test Specification |
|---------------------------|--------|-----------|--------------------|
| Your Ref. No. Nil | Dated: | 30/9/2024 | (BS 1881-116) |

COMPRESSION TEST REPORT

(in)

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



| | | _ | |
|------------------------|-----------|------------|----------|
| Specimens received on: | 30/9/2024 | Tested on: | 04-10-24 |

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Witnessed by:

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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.

Supervisor (Lab)



Civil Engineering Department

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.

7894 Engr. A. Rehman

To: Mr. Shakeel Ahmad Project Engineer, Halla, Pattoki

Project: Mezan Beverages Dairy Unit Pvt. Ltd (Drain for Shed 11 & 12 at Pattoki)

| Our Ref. No. CL/CED/ 6063 | Dated: | 04-10-24 | Test Specification |
|---------------------------|--------------|-----------|--------------------|
| Your Ref. No. MD/Con/CIV | 00152 Dated: | 27/9/2024 | (BS 1881-116) |

COMPRESSION TEST REPORT



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

| Specim | ens received on: | 2 | 7/9/2 | 024 | Tested on: | 04-1 | 10-24 | in dry/wet | t condition | | Ū | o crattered a |
|-----------|------------------|-----------|------------|-------|--------------|-------------------------------|----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|---------------|
| 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 | RCC Wall | 16 | 9 | 2024 | 6x6x6 | | 9 | 36 | 64 | 3982 | | Non Engraved |
| 2 | RCC Wall | 16 | 9 | 2024 | 6x6x6 | | 8.6 | 36 | 77 | 4791 | | Non Engraved |
| 3 | | | | | | | | | | | | |
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Witnessed 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.

Supervisor (Lab)



 Buildings Sub Divisional Oncer

 Buildings Sub Division No. 12, Lahore

 Project: Institutional Strengthening of Primary & Secondary Health Care Department Punjab "Construction of Development Wing"

 Our Ref. No. CL/CED/ 6064
 Dated: 04-10-24
 Test Specification

 Your Ref. No.
 No. 460
 Dated: 04-09-24
 (BS 1881-116)

COMPRESSION TEST REPORT





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

| Specim | ens received on: | 0 | 2-10 | -24 | Tested on: | 04-1 | 0-24 | in dry/wet condition | | | | | |
|---------|-------------------|-----------|------------|-------|--------------|----------------------------|-----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|--------------|--|
| 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 | Conc Cube (1:2:4) | 7 | 8 | 2024 | 6x6x6 | | 9 | 36 | 77 | 4791 | | Non Engraved | |
| 2 | Conc Cube (1:2:4) | 7 | 8 | 2024 | 6x6x6 | | 8.8 | 36 | 64 | 3982 | | Non Engraved | |
| 3 | Conc Cube (1:2:4) | 7 | 8 | 2024 | 6x6x6 | | 8.6 | 36 | 75 | 4667 | | Non Engraved | |
| 4 | | | | | | | | | | | | | |
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| 6 | | | | | > | READIN | | | | | | | |
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Witnessed by:

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

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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.



Civil Engineering Department

University of Engineering and Technology, Lahore. Pakistan Landline: 042-99029245 & 042-99029202 Mobile: 0307-0496895 <u>ORIGINAL</u> A carbon copy for the report has been retained in the lab for record.

7915 Engr. A. Rehman

To: Mr. Muhammad Arif

Contract Manager, For Thaheem Construction Company

Project: CUTTING UNIT EXT WITH FIRST, MEZZANINE and SECOND FLOOR) at SAPPHIRE STITCHING (UNIT-

| 8), Lahore. | | | |
|---------------------------|--------|-----------|--------------------|
| Our Ref. No. CL/CED/ 6065 | Dated: | 04-10-24 | Test Specification |
| Your Ref. No. TCC/UET/714 | Dated: | 30/9/2024 | (BS 1881-116) |

COMPRESSION TEST REPORT



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

| Specim | ens received on: | 0 | 1-10 | -24 | Tested on: | 04-1 | 0-24 | in dry/wet | condition | | 0 | i Cradina j |
|---------|---------------------|-----|------|-------|------------|------------------------------|---------------------|----------------------|------------------|--------------------|-----------------------------|-------------|
| Sr. No. | Mark* | Cas | ting | Date* | Size | Wet Weight | Dry Weight | Area of X-Section | Ultimate load | Ultimate Stress | Water Absorpti on (%) | Remarks |
| | | DD | MM | YYYY | (in) | (Kg/ gms) | (Kg/ gms) | (Sq. in) | (Imp.Tons) | (psi) | •(/// | |
| 1 | First Floor Columns | 31 | 8 | 2024 | 6x6x6 | | 9 | 36 | 74 | 4604 | | Engraved |
| 2 | First Floor Columns | 31 | 8 | 2024 | 6x6x6 | | 9 | 36 | 75 | 4667 | | Engraved |
| 3 | First Floor Columns | 31 | 8 | 2024 | 6x6x6 | | 8.8 | 36 | 75 | 4667 | | Engraved |
| 4 | | | | | | | | | | | | |
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Witnessed by:

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

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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.



Civil Engineering Department

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



7902 Engr. A. Rehman

To: Sub Divisional Officer Highway Sub Division, Shahkot

Project: S/R of NANKANA SAHIB SHAHKOT ROAD to NODHA VILLAGE LENGTH 2.50 KM.

| Our Ref. No. CL/0 | CED/ 6066 | Dated: | 04-10-24 | Test Specification |
|-------------------|-----------|--------|----------|--------------------|
| Your Ref. No. | 3025/SKT | Dated: | 12-08-24 | (BS 1881-116) |

COMPRESSION TEST REPORT



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

| Specimo | ens received on: | 3 | 0/9/2 | 024 | Tested on: | 04-1 | 0-24 | in dry/wet | t condition | | | i Centrad |
|-------------------|------------------|-----|-------|-------|------------|-------------------------------|----------------------------------|----------------------|------------------|--------------------|-----------------------------|--------------|
| Sr. No. | Mark* | Cas | ting | Date* | Size | Wet Weight | Dry Weight | Area of X-Section | Ultimate load | Ultimate Stress | Water Absorpti on (%) | Remarks |
| | | DD | MM | YYYY | (in) | (Kg/ gms) | (Kg/ gms) | (Sq. in) | (Imp.Tons) | (psi) | 011 (70) | |
| 1 | (1:2:4) | 26 | 8 | 2024 | 6x6x6 | | 9 | 36 | 85 | 5289 | | Non Engraved |
| 2 | (1:2:4) | 26 | 8 | 2024 | 6x6x6 | | 7.6 | 36 | 63 | 3920 | | Non Engraved |
| 3 | (1:2:4) | 26 | 8 | 2024 | 6x6x6 | | 8 | 36 | 91 | 5662 | | Non Engraved |
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Witnessed by:

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2. The test results are recommended to be interpreted in the light of above factors by the engineer.



Civil Engineering Department

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

7874 Engr. A. Rehman

To: Mr. ATTIQ UR RAHMAN

Manager Estimation & QC, Etihad Town Lahore

Project: Development of Etihad Phase II

| Our Ref. No. CL/CED | / 6067 | Dated: | 04-10-24 | Test Specification |
|---------------------|--------|--------|----------|--------------------|
| Your Ref. No. N | il | Dated: | Nil | () |

COMPRESSION TEST REPORT



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

| Specimens received on: | | 25/9/2024 T | | 024 | Tested on: | ted on: 04-1 | | 10-24 in dry/we | | t condition | | je sledo |
|------------------------|----------------------------|---------------|----|-------|-----------------|--------------------------------|-----------------------------|----------------------|------------------|--------------------|-------------------|----------|
| Sr. No. Mark* | | Casting Date* | | Date* | Size | Wet Weight | Dry Weight | Area of X-Section | Ultimate Ioad | Ultimate Stress | Water Absorpti | Remarks |
| | | | ММ | YYYY | (in) | (Kg/ gms) | (Kg/ gms) | (Sq. in) | (Imp.Tons) | (psi) | 011 (78) | |
| 1 | Rectangular, Grey, 60mm | | | | 7.7 x 3.8 x 2.3 | | 2605 | 29.26 | 72 | 5512 | | |
| 2 | Rectangular, Grey, 60mm | | | | 7.7 x 3.8 x 2.3 | | 2845 | 29.26 | 109 | 8344 | | |
| 3 | Rectangular, Grey, 60mm | | | | 7.7 x 3.8 x 2.3 | | 2815 | 29.26 | 95 | 7273 | | |
| 4 | Rectangular, Grey, 60mm | | | | 7.7 x 3.8 x 2.3 | | 2850 | 29.26 | 125 | 9569 | | |
| 5 | Rectangular, Grey, 60mm | | | | 7.7 x 3.8 x 2.3 | THNE | 2820 | 29.26 | 83 | 6354 | | |
| 6 | | | | | - | READIN | 2071 | | | | | |
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Witnessed by:

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

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