

8854 Engr. A. Rehman

To: Amna Iftikhar 100-B-III, Gulberg III, Lahore.

| Project: Nil | | | |
|---------------------------|--------|------------|--------------------|
| Our Ref. No. CL/CED/ 7280 | Dated: | 07/02/2025 | Test Specification |
| Your Ref. No. CT/GF/01 | Dated: | 06/02/2025 | (ASTM C39) |

COMPRESSION TEST REPORT

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

| Specim | ens received on: | 07 | /02/2 | 2025 | Tested on: | 07/02 | 2/2025 | in dry/we | t condition | | | i esteri |
|---------|------------------|-----------|-------|---------------|--------------|----------------------------|-----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|--------------|
| Sr. No. | Mark* | Cas DD | - | 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 | Footing | 24 | 1 | 2025 | 6Diax12 | | 13.6 | 28.28 | 34 | 2693 | | Non Engraved |
| 2 | Footing | 24 | 1 | 2025 | 6Diax12 | | 13.2 | 28.28 | 20 | 1584 | | Non Engraved |
| 3 | Footing | 25 | 1 | 2025 | 6Diax12 | | 13.6 | 28.28 | 38 | 3010 | | Non Engraved |
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| Witness | Nitnessed 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.



| Project: Upgrad | ation & Modernization of Pakistan Mint Pha | se II-A Shalimar Town | GT Road Lahore (Sla | b Roof |
|-----------------|--|-----------------------|---------------------|--------------------|
| & Beam Grid (1 | IA/16')~A/D; Block-I Column B.B. to Roof Sla | ab) | | |
| Our Ref. No. CL | /CED/ 7281 | Dated: | 02/07/2025 | Test Specification |
| Your Ref. No. | NVEC/RE/PAKMINT/2025/01 | Dated: | 09/01/2025 | (ASTM C39) |



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

| Specim | Specimens received on: | | 27/1/2025 | | Tested on: | 07/02 | 2/2025 | in dry/wet condition | | | | jester, | |
|---------|------------------------|-----|---------------|---------------|-------------------------|--------------------------------|---------------|----------------------|------------|--------------------|-----------------------------|--------------|--|
| Sr. No. | Mark* | Cas | Casting Date* | | Size | Wet Weight | Dry Weight | Area of X-Section | load | Ultimate Stress | Water Absorpti on (%) | Remarks | |
| | | DD | MM | YYYY | (in) | (Kg/ gms) | (Kg/ gms) | (Sq. in) | (Imp.Tons) | (psi) | 011 (70) | | |
| 1 | 5000 Psi | 1 | 1 | 2025 | 6Diax12 | | 14 | 28.28 | 81 | 6416 | | Non Engraved | |
| 2 | 5000 Psi | 1 | 1 | 2025 | 6Diax12 | | 13.2 | 28.28 | 64 | 5069 | | Non Engraved | |
| 3 | 5000 Psi | 1 | 1 | 2025 | 6Diax12 | | 14 | 28.28 | 74 | 5861 | | Non Engraved | |
| 4 | 4000 Psi | 1 | 1 | 2025 | 6Diax12 | | 14 | 28.28 | 64 | 5069 | | Non Engraved | |
| 5 | 4000 Psi | 1 | 1 | 2025 | 6Diax12 | GINE | 14.4 | 28.28 | 60 | 4752 | | Non Engraved | |
| 6 | 4000 Psi | 1 | 1 | 2025 | 6Diax12 | READ IN | 14 | 28.28 | 81 | 6416 | | Non Engraved | |
| 7 | 4000 Psi | 1 | 1 | 2025 | 6Diax12 | THE NAME OF THY LORD WHO | - 13.8 | 28.28 | 72 | 5703 | | Non Engraved | |
| 8 | 4000 Psi | 1 | 1 | 2025 | 6Dia <mark>x12</mark> 🎇 | | 13.6 | 28.28 | 66 | 5228 | | Non Engraved | |
| 9 | 4000 Psi | 1 | 1 | 2025 | 6Diax12 | | 14 | 28.28 | 79 | 6257 | | Non Engraved | |
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| Witness | ed by: | | | Witnessed 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 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.



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.

8830 Engr. A. Rehman

To: **Resident Engineer**

For M/S HA Consulting JV M/S Mascon Associates

Project: Construction of Autism School, Lahore (Roof Slab & Beams)

| Our Ref. No. CL/ | CED/ 7282 | Dated: | 07/02/2025 | Test Specification |
|------------------|-------------------------|--------|------------|--------------------|
| Your Ref. No. | HAC-MAC/24/ECAS/Lab/008 | Dated: | 30/1/2025 | (ASTM C39) |

COMPRESSION TEST REPORT

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

| Specim | ens received on: | 04 | /02/2 | 2025 | Tested on: | 07/02 | 2/2025 | in dry/wet condition | | | | iester: | | |
|---------|------------------|----|---------------|------|-------------------------|--------------------------------|------------------|----------------------|---------------|----------------------|----------|--------------------|-----------------------------|---------|
| Sr. No. | Mark* | | Casting Date* | | | | | Wet Weight | Dry Weight | Area of X-Section | | Ultimate Stress | Water Absorpti on (%) | Remarks |
| | | DD | MM | YYYY | (in) | (Kg/ gms) | (Kg/ gms) | (Sq. in) | (Imp.Tons) | (psi) | 011 (78) | | | |
| 1 | | 3 | 1 | 2025 | 6Diax12 | | 13.6 | 28.28 | 29 | 2297 | | Non Engraved | | |
| 2 | | 3 | 1 | 2025 | 6Diax12 | | 13.4 | 28.28 | 18 | 1426 | | Non Engraved | | |
| 3 | | 3 | 1 | 2025 | 6Diax12 | | 13.4 | 28.28 | 18 | 1426 | | Non Engraved | | |
| 4 | | 3 | 1 | 2025 | 6Diax12 | | 13.6 | 28.28 | 30 | 2376 | | Non Engraved | | |
| 5 | | 3 | 1 | 2025 | 6Diax12 | EINE | RI 13 | 28.28 | 16 | 1267 | | Non Engraved | | |
| 6 | | 3 | 1 | 2025 | 6Diax12 | READ IN | -13 | 28.28 | 17 | 1347 | | Non Engraved | | |
| 7 | | 20 | 1 | 2025 | 6Diax12 | THE NAME OF THY LORD WHO | - 13.4 | 28.28 | 13 | 1030 | | Non Engraved | | |
| 8 | | 20 | 1 | 2025 | 6Dia <mark>x12</mark> 🍃 | | 13.4 | 28.28 | 15 | 1188 | | Non Engraved | | |
| 9 | | 20 | 1 | 2025 | 6Diax12 | | 14 | 28.28 | 15 | 1188 | | Non Engraved | | |
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| 16 | | | | | | | | | | | | | | |
| Witness | Nitnessed by: | | | | | | | | | | | | | |

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Civil Engineering Department

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8825 Engr. A. Rehman

To: Mr. Aftab Ahmad

Chief Engineer, Construction Management Division, NESPAK (Pvt) Ltd

Project: Enhancement & Construction of the Shrine Syed Ali Al-Hajveri (R.A.), (DATA GANJ BAKHSH) Lahore

| Our Ref. No. CL | /CED/ 7283 | Dated: | 07/02/2025 | Test Specification |
|-----------------|------------------|--------|------------|--------------------|
| Your Ref. No. | 4580/13/AA/01/07 | Dated: | 29/1/2025 | (ASTM C39) |

COMPRESSION TEST REPORT

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

| Specim | 04 | /02/2 | 2025 | Tested on: | 07/02 | 2/2025 | in dry/we | t condition | | | jester | |
|---------------|-------------------------------------|---------------|------|------------|---------|---------------|--------------------|----------------------|------------|--------------------|-----------------------------|--------------|
| Sr. No. | Mark* | Casting Date* | | Date* | Size | Wet Weight | Dry Weight | Area of X-Section | load | Ultimate Stress | Water Absorpti on (%) | Remarks |
| | | DD | ММ | YYYY | (in) | (Kg/ gms) | (Kg/ gms) | (Sq. in) | (Imp.Tons) | (psi) | 011 (76) | |
| 1 | Conc.Cyl.(Pile # 7) "C" 4000 Psi | 22 | 1 | 2025 | 6Diax12 | | 14 | 28.28 | 26 | 2059 | | Non Engraved |
| 2 | Conc.Cyl.(Pile # 7) "C" 4000 Psi | 22 | 1 | 2025 | 6Diax12 | | 13.8 | 28.28 | 34 | 2693 | | Non Engraved |
| 3 | Conc.Cyl.(Pile # 7) "C" 4000 Psi | 22 | 1 | 2025 | 6Diax12 | | 13.2 | 28.28 | 46 | 3644 | | Non Engraved |
| 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 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.







Civil Engineering Department

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

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8825 Engr. A. Rehman

To: Mr. Aftab Ahmad

Chief Engineer, Construction Management Division, NESPAK (Pvt) Ltd

Project: Enhancement & Construction of the Shrine Syed Ali Al-Hajveri (R.A.), (DATA GANJ BAKHSH) Lahore

| Our Ref. No. CL/CED/ 72 | 84 | Dated: | 02/07/2025 | Test Specification |
|-------------------------|-----------|--------|------------|--------------------|
| Your Ref. No. 4580/13 | /AA/01/06 | Dated: | 28/01/2025 | (ASTM C39) |

COMPRESSION TEST REPORT

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

| Specim | ens received on: | 04 | /02/2 | 2025 | Tested on: | 07/02 | 2/2025 | in dry/we | t condition | | [| jester |
|---------|--|-----------|-------|---------------|--------------|----------------------------|----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|--------------|
| Sr. No. | Mark* | Cas DD | - | 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 | Conc.Cyl.(Pile # 9 & 16) "C" 4000 Psi | 21 | 1 | 2025 | 6Diax12 | | 13.8 | 28.28 | 44 | 3485 | | Non Engraved |
| 2 | Conc.Cyl.(Pile # 9 & 16) "C" 4000 Psi | 21 | 1 | 2025 | 6Diax12 | | 14 | 28.28 | 60 | 4752 | | Non Engraved |
| 3 | Conc.Cyl.(Pile # 9 & 16) "C" 4000 Psi | 21 | 1 | 2025 | 6Diax12 | | 13.4 | 28.28 | 39 | 3089 | | Non Engraved |
| 4 | | | | | | | | | | | | |
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| 16 | | | | | | | | | | | | |
| Witness | 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.



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8825 Engr. A. Rehman

To: Mr. Aftab Ahmad

Chief Engineer, Construction Management Division, NESPAK (Pvt) Ltd

Project: Enhancement & Construction of the Shrine Syed Ali Al-Hajveri (R.A.), (DATA GANJ BAKHSH) Lahore

| Our Ref. No. CL/ | CED/ 7285 | Dated: | 07/02/2025 | Test Specification |
|------------------|------------------|--------|------------|--------------------|
| Your Ref. No. | 4580/13/AA/01/08 | Dated: | 31/01/2025 | (ASTM C39) |

COMPRESSION TEST REPORT

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

| Specim | becimens received on: | | | 2025 | Tested on: | 07/02 | 2/2025 | in dry/wet | t condition | | | jester | | | | | | | | | | | | | | | | | | | | |
|---------------|-------------------------------------|----|----|------|---------------|-----------|--------------|------------|---------------|-------|----------|--------------|---|--|---|--|---|--|---|--|---|--|---------------|--|------|---------------|--|----------------------|--|--------------------|-----------------------------|---------|
| Sr. No. | Mark* | | _ | | Casting Date* | | _ | | Casting Date* | | - | | _ | | _ | | _ | | _ | | _ | | Casting Date* | | Size | Wet Weight | | Area of X-Section | | Ultimate Stress | Water Absorpti on (%) | Remarks |
| | 0 0 1 (5) 1 (0) | DD | MM | YYYY | (in) | (Kg/ gms) | (Kg/ gms) | (Sq. in) | (Imp.Tons) | (psi) | 011 (70) | | | | | | | | | | | | | | | | | | | | | |
| 1 | Conc.Cyl.(Pile # 3) "C" 4000 Psi | 24 | 1 | 2025 | 6Diax12 | | 13.4 | 28.28 | 44 | 3485 | | Non Engraved | | | | | | | | | | | | | | | | | | | | |
| 2 | Conc.Cyl.(Pile # 3) "C" 4000 Psi | 24 | 1 | 2025 | 6Diax12 | | 14 | 28.28 | 61 | 4832 | | Non Engraved | | | | | | | | | | | | | | | | | | | | |
| 3 | Conc.Cyl.(Pile # 3) "C" 4000 Psi | 24 | 1 | 2025 | 6Diax12 | | 14.2 | 28.28 | 68 | 5386 | | Non Engraved | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | - | RINE | RIATE | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | - | REALS IN | ROT | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Witnessed by: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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8825 Engr. A. Rehman

To: Mr. Aftab Ahmad

Chief Engineer, Construction Management Division, NESPAK (Pvt) Ltd

Project: Enhancement & Construction of the Shrine Syed Ali Al-Hajveri (R.A.), (DATA GANJ BAKHSH) Lahore

| Our Ref. No. CL/ | CED/ 7286 | Dated: | 07/02/2025 | Test Specification |
|------------------|------------------|--------|------------|--------------------|
| Your Ref. No. | 4580/13/AA/01/05 | Dated: | 26/01/2025 | (ASTM C39) |

COMPRESSION TEST REPORT

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

| Specim | ens received on: | 04 | /02/2 | 2025 | Tested on: | 07/02 | 2/2025 | in dry/wet | t condition | | | |
|---------|-------------------------------------|----|-------|-------|--------------|--------------------------------|----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|--------------|
| Sr. No. | Mark* | | - | Date* | Size (in) | Wet Weight | Dry Weight (Kg/ gms) | Area of X-Section (Sq. in) | Ultimate load (Imp.Tons) | Ultimate Stress (psi) | Water Absorpti on (%) | Remarks |
| 1 | Conc.Cyl.(Pile # 1) "C" 4000 Psi | 19 | 1 | 2025 | 6Diax12 | (rtg/ gills) | (Rg/ gills) 13.6 | 28.28 | (imp. rons) 60 | (psi) 4752 | | Non Engraved |
| 2 | Conc.Cyl.(Pile # 1) "C" 4000 Psi | 19 | 1 | 2025 | 6Diax12 | | 14 | 28.28 | 73 | 5782 | | Non Engraved |
| 3 | Conc.Cyl.(Pile # 1) "C" 4000 Psi | 19 | 1 | 2025 | 6Diax12 | | 13.2 | 28.28 | 64 | 5069 | | Non Engraved |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | GINE | RIATE | | | | | |
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| 15 | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | |
| Witness | Witnessed by: | | | | | | | | | | | |

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







To: Mr. Zahir Ullah

Sub Engineer-I, Works Division, SUPARCO, Lahore.

Project: Construction of Vehicle RCC Parking Sheds at SRDCL

| Our Ref. No. CL | /CED/ 7287 | Dated: | 07/02/2025 | Test Specification |
|-----------------|------------------------------|--------|------------|--------------------|
| Your Ref. No. | 63301(4102) Works/Div/SRDC-L | Dated: | 31/1/2025 | (ASTM C39) |

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the report has been retained in

the lab for record.

8805 Engr. A. Rehman

COMPRESSION TEST REPORT

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

| Specim | ens received on: | 3 | 1/1/2 | 025 | Tested on: | 07/02 | 2/2025 | in dry/wet | condition | | г. [| |
|---------|---------------------------|-----------|-------|---------------|--------------|----------------------------|----------------------------|----------------------------------|-----------|-----------------------------|-----------------------------|--------------|
| Sr. No. | Mark* | Cas DD | - | Date* YYYY | Size (in) | Wet Weight (Kg/ gms) | Dry Weight (Kg/ gms) | Area of X-Section (Sq. in) | | Ultimate Stress (psi) | Water Absorpti on (%) | Remarks |
| 1 | RCC Footing (3500 Psi) | 2 | 1 | 2025 | 6Diax12 | | 13.4 | 28.28 | 50 | 3960 | | Non Engraved |
| 2 | RCC Footing (3500 Psi) | 2 | 1 | 2025 | 6Diax12 | | 13.6 | 28.28 | 43 | 3406 | | Non Engraved |
| 3 | RCC Footing (3500 Psi) | 2 | 1 | 2025 | 6Diax12 | | 13.4 | 28.28 | 48 | 3802 | | Non Engraved |
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| Witness | Witnessed 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 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.



To: Mr. WALEED

Resident Engineer, GIM Developers, New Garden Town, Lahore

Project: Construction of Plaza at 51 Baber Block, New Garden Town Lahore

| Our Ref. No. CL/CED/ 7288 | Dated: | 07/02/2025 | Test Specification |
|---------------------------|--------|------------|--------------------|
| Your Ref. No. Nil | Dated: | Nil | (ASTM C39) |

COMPRESSION TEST REPORT

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

| Specim | ens received on: | 3 | 8/2/20 |)25 | Tested on: | 06/02 | 2/2025 | in dry/we | t condition | | | iester: |
|---------|---------------------------------|---|--------|---------------|--------------|----------------------------|----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|--------------|
| Sr. No. | Mark* | | - | 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 | Ground Floor Slab (3000 Psi) | 6 | 1 | 2025 | 6Diax12 | | 13.4 | 28.28 | 44 | 3485 | | Non Engraved |
| 2 | Ground Floor Slab (3000 Psi) | 6 | 1 | 2025 | 6Diax12 | | 13.6 | 28.28 | 33 | 2614 | | Non Engraved |
| 3 | | | | | | | | | | | | |
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| Witness | Witnessed 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 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.



| | Project: Resident Construction Supervision for Construction of Net Zero Energy Building (ACEIP, DLI-8), Lahore (Concrete Mix Design Trial, Admixture Fospak 568) | | | | | | | | | | | | |
|------------------|---|--------|------------|--|--|--|--|--|--|--|--|--|--|
| Our Ref. No. CL/ | /CED/ 7289 | Dated: | 07/02/2025 | | | | | | | | | | |
| Your Ref. No. | NZEB/ACE/LAB/2025/10 | Dated: | 31/1/2025 | | | | | | | | | | |



Test Specification (ASTM C39)

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

| Specim | ens received on: | 3 | 1/1/2 | 025 | Tested on: | 06/02 | 2/2025 | in dry/we | t condition | | | jester j |
|---------|--------------------------|-----|-------|-------|--------------|--------------------------------|----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|--------------|
| Sr. No. | Mark* | Cas | - | Date* | Size (in) | Wet Weight (Ka/ ams) | Dry Weight (Kg/ gms) | Area of X-Section (Sq. in) | Ultimate load (Imp.Tons) | Ultimate Stress (psi) | Water Absorpti on (%) | Remarks |
| 1 | Lab Curing (4000 Psi) | 17 | 1 | 2025 | 6Diax12 | | 14 | 28.28 | 68 | 5386 | | Non Engraved |
| 2 | Lab Curing (4000 Psi) | 17 | 1 | 2025 | 6Diax12 | | 14 | 28.28 | 62 | 4911 | | Non Engraved |
| 3 | Lab Curing (4000 Psi) | 17 | 1 | 2025 | 6Diax12 | | 14.2 | 28.28 | 72 | 5703 | | Non Engraved |
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| Witness | Witnessed 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

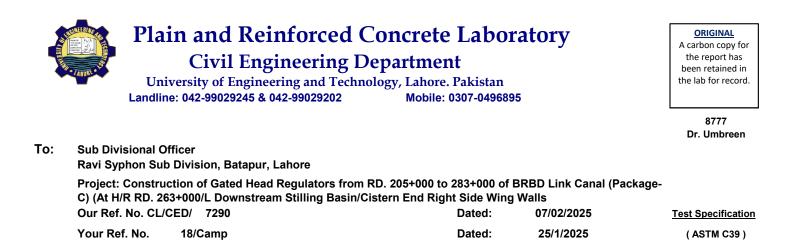
3. *** BS5328 requires mean of two cube sample strength at 28 days as characteristic strength

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



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

| Specime | ens received on: | 2 | 9/1/2 | 025 | Tested on: | 06/02 | 2/2025 | in dry/wet | condition | | E | |
|---------------|----------------------------|-----------|-------|---------------|--------------|--------------------------------|----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|--------------|
| Sr. No. | Mark* | Cas DD | - | 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 | 263+000/L (1:1.45:2.20) | 30 | 12 | 2024 | 6Diax12 | | 14 | 28.28 | 70 | 5545 | | Non Engraved |
| 2 | 263+000/L (1:1.45:2.20) | 30 | 12 | 2024 | 6Diax12 | | 13.8 | 28.28 | 77 | 6099 | | Non Engraved |
| 3 | 263+000/L (1:1.45:2.20) | 30 | 12 | 2024 | 6Diax12 | | 14 | 28.28 | 75 | 5941 | | Non Engraved |
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| 5 | | | | | | EINE | RINE | | | | | |
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| 7 | | | | | | THE NAME OF THY LORD WHO | | | | | | |
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| Witnessed 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.



Civil Engineering Department

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

To: Mr. SAAD

Manager Planning and Development, NOON Developers & Marketing, New Muslim Town, Lahore

Project: Construction of Canal Heights 3-B, Block B, Noon Avenue, New Muslim Town, Lahore

| Our Ref. No. CL/CED/ 729 | 1 D | Dated: (|)7/02/2025 <u>1</u> | Test Specification |
|--------------------------|--------|----------|---------------------|--------------------|
| Your Ref. No. CH/ST/0 | 3/25 D | Dated: | 28/1/2025 | (ASTM C39) |

COMPRESSION TEST REPORT

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

| Specim | ens received on: | 2 | 9/1/2 | 025 | Tested on: | 06/02 | 2/2025 | in dry/we | t condition | | [| jeske g |
|---------|---------------------------------|-----|-------|-------|-----------------------|---------------|---------------|----------------------|------------------|--------------------|----------|--------------|
| Sr. No. | Mark* | Cas | ting | Date* | Size | Wet Weight | Dry Weight | Area of X-Section | Ultimate Ioad | Ultimate Stress | Absorpti | Remarks |
| | | DD | MM | YYYY | (in) | (Kg/ gms) | (Kg/ gms) | (Sq. in) | (Imp.Tons) | (psi) | on (%) | |
| 1 | Column Concrete 5000 Psi (A) | 19 | 1 | 2025 | 6Diax12 | | 13.6 | 28.28 | 54 | 4277 | | Non Engraved |
| 2 | Column Concrete 5000 Psi (A) | 19 | 1 | 2025 | 6Diax12 | | 14 | 28.28 | 46 | 3644 | | Non Engraved |
| 3 | Column Concrete 5000 Psi (B) | 19 | 1 | 2025 | 6Diax12 | | 13.8 | 28.28 | 54 | 4277 | | Non Engraved |
| 4 | Column Concrete 5000 Psi (B) | 19 | 1 | 2025 | 6Diax12 | | 13.8 | 28.28 | 53 | 4198 | | Non Engraved |
| 5 | Column Concrete 5000 Psi (A) | 12 | 1 | 2025 | 6Diax12 | ETNE | R 14.2 | 28.28 | 52 | 4119 | | Non Engraved |
| 6 | Column Concrete 5000 Psi (A) | 12 | 1 | 2025 | 6Diax12 | READ IN | -14 | 28.28 | 60 | 4752 | | Non Engraved |
| 7 | Column Concrete 5000 Psi (B) | 12 | 1 | 2025 | 6Diax12 | LORD WHO | | 28.28 | 58 | 4594 | | Non Engraved |
| 8 | Column Concrete 5000 Psi (B) | 12 | 1 | 2025 | 6Dia <mark>x12</mark> | | 13.8 | 28.28 | 53 | 4198 | | Non Engraved |
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| Witness | Witnessed 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 comprensive strength

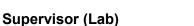
Note: Above results pertain to the unsealed samples supplied to the laboratory

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.

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

> 8783 Dr. Umbreen





| To: | Project Manager On Behalf of M/S Stridge Construction Company, Johar Town, Lahore | | | | | | | | | |
|-----|--|---|--------|------------|--|--|--|--|--|--|
| | Project: The Mark Towe | r at Finance & Trade Centre- Johar Town, La | nore | | | | | | | |
| | Our Ref. No. CL/CED/ | 7292 | Dated: | 07/02/2025 | | | | | | |

Your Ref. No. OUT-L-010-TMT-006

COMPRESSION TEST REPORT

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

| Specim | ens received on: | 3 | 8/2/20 | 25 | Tested on: | 06/02 | 2/2025 | in dry/wet | t condition | | г. [| |
|---------|---------------------------------|-----|--------|---------------|--------------|----------------------------|----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|--------------|
| Sr. No. | Mark* | Cas | • | Date* YYYY | Size (in) | Wet Weight (Ka/ ams) | Dry Weight (Kg/ gms) | Area of X-Section (Sq. in) | Ultimate load (Imp.Tons) | Ultimate Stress (psi) | Water Absorpti on (%) | Remarks |
| 1 | Raft-Curing Compound (6 Ksi) | 3 | 1 | 2025 | 6Diax12 | | 14.4 | 28.28 | 115 | 9109 | | Non Engraved |
| 2 | Raft-Curing Compound (6 Ksi) | 3 | 1 | 2025 | 6Diax12 | | 14.4 | 28.28 | 100 | 7921 | | Non Engraved |
| 3 | Raft-Curing Compound (6 Ksi) | 3 | 1 | 2025 | 6Diax12 | | 14.6 | 28.28 | 95 | 7525 | | Non Engraved |
| 4 | Raft-Water Tank (6 Ksi) | 3 | 1 | 2025 | 6Diax12 | | 14 | 28.28 | 100 | 7921 | | Non Engraved |
| 5 | Raft-Water Tank (6 Ksi) | 3 | 1 | 2025 | 6Diax12 | GINE | R 14.4 | 28.28 | 107 | 8475 | | Non Engraved |
| 6 | Raft-Water Tank (6 Ksi) | 3 | 1 | 2025 | 6Diax12 | | 14.2 | 28.28 | 115 | 9109 | | Non Engraved |
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| Witness | sed 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 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.

Director/Dy. Director Concrete Laboratory

ORIGINAL A carbon copy for

the report has been retained in

the lab for record.

8814 Dr. Umbreen

Test Specification

(ASTM C39)

03/02/2025

Dated:



To: Mr. M. Yasir Kiani

Resident Engineer, JCP WAHGA, Architectural & Planning Division, NESPAK (Pvt) Ltd

Project: Relocation and Enhancement of Wahga Border Flagpole

| Our Ref. No. CL/ | CED/ 7293 | Dated: | 07/02/2025 | Test Specification |
|------------------|--------------------|--------|------------|--------------------|
| Your Ref. No. | 4749/031/YK/01/120 | Dated: | 29/1/2025 | (ASTM C39) |

COMPRESSION TEST REPORT

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

| Specim | ens received on: | 2 | 9/1/2 | 025 | Tested on: | 06/02 | 2/2025 | in dry/we | t condition | | 1. [| |
|---------|------------------|-----------|-------|--|--------------|----------------------------|----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|----------|
| Sr. No. | Mark* | Cas DD | _ | 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 | 3000 Psi | 22 | 12 | 2024 | 6Diax12 | | 14 | 28.28 | 44 | 3485 | | Engraved |
| 2 | 3000 Psi | 22 | 12 | 2024 | 6Diax12 | | 14 | 28.28 | 40 | 3168 | | Engraved |
| 3 | 3000 Psi | 22 | 12 | 2024 | 6Diax12 | | 14.2 | 28.28 | 34 | 2693 | | Engraved |
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| Witness | ed by: | | 1 | <u>. </u> | | 1 | 1 | <u>ı</u> | 1 | 1 | | I |

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)

Director/Dy. Director Concrete Laboratory

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

> 8786 Dr. Umbreen



| Engr. Aziz-ur-Re | ehman | | |
|------------------|--|---------------------------|-------------------------|
| Assistant Resid | ent Engineer, ACE-Arts, Net Zero Energy | Building (ACEIP, DLI-8) (| Gulberg III Lhr |
| | nt Construction Supervision for Construc ture: Expanlast WP200) | tion of Net Zero Energy E | Building (ACEIP, DLI-8) |
| Our Ref. No. CL | /CED/ 7294 | Dated: | 07/02/2025 |
| Your Ref. No. | NZEB/ACE/LAB/2025/03 | Dated: | 17/1/2025 |

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

| Specim | ens received on: | 2 | 0/1/2 | 025 | Tested on: | 03/02 | 2/2025 | in dry/wet | condition | | | |
|---------|--------------------------|-----------|-------|---------------|--------------|----------------------------|----------------------------|----------------------------------|-----------|-----------------------------|-----------------------------|--------------|
| Sr. No. | Mark* | Cas DD | - | Date* YYYY | Size (in) | Wet Weight (Kg/ gms) | Dry Weight (Kg/ gms) | Area of X-Section (Sq. in) | | Ultimate Stress (psi) | Water Absorpti on (%) | Remarks |
| 1 | Lab Curing (5000 Psi) | 10 | 1 | 2025 | 6Diax12 | | 13.6 | 28.28 | 60 | 4752 | | Non Engraved |
| 2 | Lab Curing (5000 Psi) | 10 | 1 | 2025 | 6Diax12 | | 13.8 | 28.28 | 78 | 6178 | | Non Engraved |
| 3 | Lab Curing (5000 Psi) | 10 | 1 | 2025 | 6Diax12 | | 13.8 | 28.28 | 84 | 6653 | | Non Engraved |
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| Witness | ed 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.

Director/Dy. Director Concrete Laboratory

8712

Test Specification (ASTM C39)



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.

8794 Dr. M. Yousaf

To: Mr. Maqsood Ahmad

Quantity Surveyor, Professional Construction Services (Pvt) Ltd

Project: Construction of TCF Secondary School Basti Arain Tehsil Ahmedpur Bahawalpur

| Our Ref. No. CL/CED/ 7295 | Dated: | 07/02/2025 | Test Specification |
|------------------------------|--------|------------|--------------------|
| Your Ref. No. PCS/25/Eng-9-A | Dated: | 27/1/2025 | (ASTM C39) |

COMPRESSION TEST REPORT

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

| Specime | ens received on: | 3 | 0/1/2 | 025 | Tested on: | 03/02 | 2/2025 | in dry/we | t condition | | | je na s |
|---------|------------------|-----------|----------|---------------|--------------|----------------------------|----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|--------------|
| Sr. No. | Mark* | Cas DD | _ | 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 | 1st Floor Slab | 28 | 12 | 2024 | 6Diax12 | | 13.2 | 28.28 | 42 | 3327 | | Non Engraved |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
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| 5 | | | | | | GINE | RIATE | | | | | |
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| 15 | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | |
| Witness | ed by: | I | <u> </u> | 1 | I | <u>I</u> | | <u>I</u> | I | <u>I</u> | I | |

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

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.

8794 Dr. M. Yousaf

To: Mr. Magsood Ahmad

Quantity Surveyor, Professional Construction Services (Pvt) Ltd

Project: Construction of TCF Secondary School Basti Arain Tehsil Ahmedpur Bahawalpur

| Our Ref. No. CL/ | CED/ 7296 | Dated: | 07/02/2025 | Test Specification |
|------------------|----------------|--------|------------|--------------------|
| Your Ref. No. | PCS/25/Eng-9-B | Dated: | 27/1/2025 | (ASTM C39) |

COMPRESSION TEST REPORT

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

| Specime | ens received on: | 3 | 0/1/2 | 025 | Tested on: | 07/02 | 2/2025 | in dry/wet | t condition | | | iester |
|---------|------------------|-----------|-------|---------------|--------------|----------------------------|----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|--------------|
| Sr. No. | Mark* | Cas DD | _ | 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 | 1st Floor Slab | 28 | 12 | 2024 | 6Diax12 | | 13.6 | 28.28 | 70 | 5545 | | Non Engraved |
| 2 | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | |
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| 16 | | | | | | | | | | | | |
| Witness | ed 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 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.



To: Mr. Muhammad Ehtesham Uddin, Project Manager Mr. Mazhar Abbas, Site Engineer; kinetic, DHA Lahore

Project: Construction of a Building at Ferozepur Road, Lahore

| Our Ref. No. CL/CED/ 7297 | Dated: | 07/02/2025 | Test Specification |
|---------------------------|--------|------------|--------------------|
| Your Ref. No. Nil | Dated: | 28/1/2025 | (ASTM C39) |

COMPRESSION TEST REPORT

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

| Specim | ens received on: | 2 | 9/1/2 | 025 | Tested on: | 03/02 | 2/2025 | in dry/we | t condition | | | i esteri |
|---------|------------------|-----------|-------|---------------|--------------|----------------------------|----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|--------------|
| Sr. No. | Mark* | Cas DD | - | 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 | Slab | 22 | 12 | 2024 | 6Diax12 | | 13 | 28.28 | 42 | 3327 | | Non Engraved |
| 2 | Slab | 22 | 12 | 2024 | 6Diax12 | | 13 | 28.28 | 47 | 3723 | | Non Engraved |
| 3 | Slab | 22 | 12 | 2024 | 6Diax12 | | 13 | 28.28 | 37 | 2931 | | Non Engraved |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | GINE | RIATE | | | | | |
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| 16 | | | | | | | | | | | | |
| Witness | ed 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 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.

Director/Dy. Director Concrete Laboratory

ORIGINAL A carbon copy for

the report has been retained in

the lab for record.

8776 Dr. M. Yousaf



| Divisional Engin | leer (Civil), Engineering Services Maintenanc | e & Development, PA | A, AllAP, LNr | |
|-------------------|---|-----------------------|-----------------------|--|
| Project: Replace | ement of GI Sheet Roofing with RCC Slabs Ac | dition/Alteration Wor | rks in CAMB and Water | |
| Proofing of All C | Offices at Ex-RD Block at AllAP, Lahore | | | |
| Our Ref. No. CL | (CED/ 7298 | Dated: | 07/02/2025 | |
| Your Ref. No. | AIIAP/1659-01/059/LACV/IV/95 | Dated: | 04/02/2025 | |



Test Specification (BS 1881-116)

8840

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

| Specim | ens received on: | 06 | 6/02/2 | 2025 | Tested on: | 07/02 | 2/2025 | in dry/we | t condition | | | jester, |
|---------|------------------|-----------|--------|-------|--------------|----------------------------|----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|----------|
| Sr. No. | Mark* | Cas DD | - | 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 | | 4 | 1 | 2025 | 6x6x6 | | 9 | 36 | 85 | 5289 | | Engraved |
| 2 | | 4 | 1 | 2025 | 6x6x6 | | 8.8 | 36 | 74 | 4604 | | Engraved |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | GINE | RINE | | | | | |
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| 15 | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | |
| Witness | ed 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 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.



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.

8808 Engr. A. Rehman

To: Mr. Tanveer Humayun

A. Architect, Fortress Square Service (Pvt) Ltd & Dupak Developers Pakistan (Pvt) Ltd

Project: Extension of Top Roof at Fortress Square Mall, Lahore (Columns 770 Level at grid E/6, 7, 8)

| Our Ref. No. CL/ | CED/ 7299 | Dated: | 07/02/2025 | Test Specification |
|------------------|--------------|--------|------------|--------------------|
| Your Ref. No. | Fs/Rcc/01/27 | Dated: | 30/1/2025 | (BS 1881-116) |

COMPRESSION TEST REPORT

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

| Specim | ens received on: | 03 | 3/02/2 | 2025 | Tested on: | 07/02 | 2/2025 | in dry/we | t condition | | | iesteri |
|---------------|------------------|----|--------|---------------|--------------|----------------------------|-----------------------------|----------------------------------|-------------|-----------------------------|-----------------------------|----------|
| Sr. No. | Mark* | | - | Date* YYYY | Size (in) | Wet Weight (Kg/ gms) | Dry Weight (Kg/ gms) | Area of X-Section (Sq. in) | | Ultimate Stress (psi) | Water Absorpti on (%) | Remarks |
| 1 | 4000 Psi | 23 | 1 | 2025 | 6x6x6 | | 8.6 | 36 | 85 | 5289 | | Engraved |
| 2 | 4000 Psi | 23 | 1 | 2025 | 6x6x6 | | 8.8 | 36 | 103 | 6409 | | Engraved |
| 3 | 4000 Psi | 23 | 1 | 2025 | 6x6x6 | | 9 | 36 | 101 | 6284 | | Engraved |
| 4 | | | | | | | | | | | | |
| 5 | | | | | / | GINE | RIATE | | | | | |
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| 16 | | | | | | | | | | | | |
| Witnessed 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 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.



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

8809 Engr. A. Rehman

To: M. Yousaf & Company

Chungi Amar Sadhu, Lahore.

Project: Construction of TCF Primary School Qila Mian Singh Gujranwala (Ground Floor Slab)

| Our Ref. No. CL/CED/ 7300 | Dated: | 07/02/2025 | Test Specification |
|---------------------------|--------|------------|--------------------|
| Your Ref. No. MY/UET/2025 | Dated: | 03/01/2025 | (BS 1881-116) |

COMPRESSION TEST REPORT

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

| Specim | ens received on: | 03 | 8/02/2 | 2025 | Tested on: | 07/02 | 2/2025 | in dry/wet | condition | | | i esteri |
|---------------|------------------|----|--------|---------------|--------------|--------------------------------|----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|----------|
| Sr. No. | Mark* | | | 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 | | 27 | 12 | 2024 | 6x6x6 | | 8.8 | 36 | 95 | 5911 | | Engraved |
| 2 | | 27 | 12 | 2024 | 6x6x6 | | 9.4 | 36 | 91 | 5662 | | Engraved |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
| 5 | | | | | | EINE | RIATE | | | - | | |
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| 7 | | | | | | THE NAME OF THY LORD WHO | | | | | | |
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| Witnessed 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

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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.

| | Plain and Reinforced Cone Civil Engineering Depar University of Engineering and Technology, Landline: 042-99029245 & 042-99029202 | tment | 5 | ORIGINAL A carbon copy for the report has been retained in the lab for record. |
|-------|--|--------------------------------|------------------------------------|--|
| | | | | 8807 Engr. A. Rehman |
| | visional Officer ıgs Sub Division No. 12, Lahore | | | |
| Colum | :: Revamping of Old Blocks of Punjab Institute of Ment ns for Extension of OPD f. No. CL/CED/ 7301 | al Health Lahore (AD Dated: | 0P No. 347/2024-25)- 07/02/2025 | Test Specification |

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

56/SDO12th

| ens received on: | 03 | 8/02/2 | 2025 | Tested on: | 07/02 | 2/2025 | in dry/wet | condition | | | |
|------------------|---------------------------|--|--|---|---|---|---|---|---|---|--|
| Mark* | Cas DD | • | | Size (in) | Wet Weight (Kg/ gms) | Dry Weight (Kg/ gms) | | | Stress | Water Absorpti on (%) | Remarks |
| (1:1.5:3) | 15 | 12 | 2024 | 6x6x6 | | 8.8 | 36 | 71 | 4418 | | Non Engraved |
| (1:1.5:3) | 15 | 12 | 2024 | 6x6x6 | | 8.8 | 36 | 41 | 2551 | | Non Engraved |
| | | | | | | | | | | | |
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| | | | | | GINE | RIATE | | | | | |
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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)

Your Ref. No.

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

 $\underline{\textbf{Note:}}$ 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.

Director/Dy. Director Concrete Laboratory

23/1/2025

Dated:

(BS 1881-116)

| | Plain and Reinforced Conc Civil Engineering Depar University of Engineering and Technology, I Landline: 042-99029245 & 042-99029202 | tment | 5 | ORIGINAL A carbon copy for the report has been retained in the lab for record. |
|---|--|--------------------------------|------------------------------------|--|
| | | | | 8807 Engr. A. Rehman |
| | ub Divisional Officer uildings Sub Division No. 12, Lahore | | | |
| С | oject: Revamping of Old Blocks of Punjab Institute of Menta oncrete Slab for Extension of OPD ur Ref. No. CL/CED/ 7302 | Il Health Lahore (AD Dated: | 0P No. 347/2024-25)- 07/02/2025 | Test Specification |

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

89/SDO12th

| Specime | ens received on: | 03 | 8/02/2 | 2025 | Tested on: | 07/02 | 2/2025 | in dry/wet | t condition | | E | |
|---------------|------------------|-----------|--------|---------------|--------------|----------------------------|----------------------------|----------------------------------|-------------|-----------------------------|-----------------------------|----------|
| Sr. No. | Mark* | Cas DD | _ | Date* YYYY | Size (in) | Wet Weight (Kg/ gms) | Dry Weight (Kg/ gms) | Area of X-Section (Sq. in) | | Ultimate Stress (psi) | Water Absorpti on (%) | Remarks |
| 1 | (1:2:4) | 25 | 12 | 2024 | 6x6x6 | | 9.2 | 36 | 44 | 2738 | | Engraved |
| 2 | (1:2:4) | 25 | 12 | 2024 | 6x6x6 | | 9.4 | 36 | 46 | 2862 | | Engraved |
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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)

Your Ref. No.

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

 $\underline{\textbf{Note:}}$ 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.

Director/Dy. Director Concrete Laboratory

23/1/2025

Dated:

(BS 1881-116)



To: Mr. M. Mazhar Magbool G.M. (Planning & Admin), Kraftcon (Pvt) Ltd

Project: Bio Mass Boiler at AZGARD-9 Limited, Manga Mandi

| Our Ref. No. CL/CED/ 7303 | Dated: | 07/02/2025 | Test Specification |
|---------------------------|--------|------------|--------------------|
| Your Ref. No. kpl/25/060 | Dated: | 03/02/2025 | (BS 1881-116) |

ORIGINAL

the report has been retained in

8810

COMPRESSION TEST REPORT

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

| Specime | ens received on: | 03 | 3/02/2 | 2025 | Tested on: | 07/02 | 2/2025 | in dry/we | condition | | | i estado |
|---------|------------------|-----------|----------|-------|--------------|----------------------------|-----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|--------------|
| Sr. No. | Mark* | Cas DD | - | 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 | C26 | 25 | 1 | 2025 | 6x6x6 | | 8.6 | 36 | 87 | 5413 | | Non Engraved |
| 2 | C26 | 25 | 1 | 2025 | 6x6x6 | | 8.8 | 36 | 85 | 5289 | | Non Engraved |
| 3 | C26 | 25 | 1 | 2025 | 6x6x6 | | 8.8 | 36 | 64 | 3982 | | Non Engraved |
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| Witness | ed by: | | <u> </u> | 1 | I | 1 | I | <u>I</u> | I | | | |

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 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.



To:

Plaza No. 71 First Floor DHA Phase 8 (Ex-Park View) Lahore Cantt.

| Project: Tawal P | Project Site ID: TWPSK0009 (Tower Raft) | | | |
|------------------|---|--------|------------|--------------------|
| Our Ref. No. CL/ | (CED/ 7307 | Dated: | 07/02/2025 | Test Specification |
| Your Ref. No. | AJ Contractor/Cubes/Tawal/54 | Dated: | 20/1/2025 | (ASTM C39) |

COMPRESSION TEST REPORT

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

| Specim | ens received on: | 03 | 3/02/2 | 2025 | Tested on: | 07/02 | 2/2025 | in dry/we | t condition | | | i estado |
|---------------|------------------|-----------|--------|---------------|--------------|----------------------------|----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|--------------|
| Sr. No. | Mark* | Cas DD | - | 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 | (1:1.5:3) | 13 | 1 | 2025 | 6x6x6 | | 8.2 | 36 | 46 | 2862 | | Non Engraved |
| 2 | (1:1.5:3) | 13 | 1 | 2025 | 6x6x6 | | 8.6 | 36 | 54 | 3360 | | Non Engraved |
| 3 | | | | | | | | | | | | |
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| 16 Witness | | | | | | | | | | | | |

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.



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.

8816 Engr. A. Rehman

To: **AJ Contractors**

Plaza No. 71 First Floor DHA Phase 8 (Ex-Park View) Lahore Cantt.

Project: Tawal Project Site ID: TWPKWL0010 (Tower Columns + Solar Columns)

| Our Ref. No. CL | /CED/ 7308 | Dated: | 07/02/2025 | Test Specification |
|-----------------|------------------------------|--------|------------|--------------------|
| Your Ref. No. | AJ Contractor/Cubes/Tawal/57 | Dated: | 28/1/2025 | (BS 1881-116) |

COMPRESSION TEST REPORT

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

| Specim | ens received on: | 03 | 3/02/2 | 2025 | Tested on: | 07/02 | 2/2025 | in dry/we | t condition | | | iester: |
|---------------|------------------|-----------|--------|---------------|--------------|----------------------------|---|----------------------------------|--------------------------------|-----------------------------|-----------------------------|--------------|
| Sr. No. | Mark* | Cas DD | - | 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 | (1:1.5:3) | 21 | 1 | 2025 | 6x6x6 | | 8.2 | 36 | 46 | 2862 | | Non Engraved |
| 2 | (1:1.5:3) | 21 | 1 | 2025 | 6x6x6 | | 8.6 | 36 | 34 | 2116 | | 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 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.



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

8817 Engr. A. Rehman

To: CM Engineering (Pvt) Ltd. Quaid-e-Azam Town College Road, Lahore.

Project: Tawal Project Site ID: TWPBWP0017 (Tower Raft + Solar Raft)

| Our Ref. No. CL/C | ED/ 7309 | Dated: | 07/02/2025 | Test Specification |
|-------------------|----------------------|--------|------------|--------------------|
| Your Ref. No. | CME/Cubes/TAWAL/2020 | Dated: | 29/1/2025 | (BS 1881-116) |

COMPRESSION TEST REPORT

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

| Specimo | ens received on: | 03 | 3/02/2 | 2025 | Tested on: | 07/02 | 2/2025 | in dry/wet | condition | | F. [| |
|---------------|------------------|----|--------|---------------|--------------|----------------------------|-----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|--------------|
| Sr. No. | Mark* | | - | 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 | (1:1.5:3) | 22 | 1 | 2025 | 6x6x6 | | 8.6 | 36 | 46 | 2862 | | Non Engraved |
| 2 | (1:1.5:3) | 22 | 1 | 2025 | 6x6x6 | | 8.6 | 36 | 55 | 3422 | | Non Engraved |
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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 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.



To: CM Engineering (Pvt) Ltd. Quaid-e-Azam Town College Road, Lahore.

Project: Tawal Project Site ID: TWPBWP0017 (Tower Columns + Solar Column)

| Our Ref. No. CL/ | CED/ 7310 | Dated: | 07/02/2025 | Test Specification |
|------------------|----------------------|--------|------------|--------------------|
| Your Ref. No. | CME/Cubes/TAWAL/2021 | Dated: | 30/01/2025 | (BS 1881-116) |

COMPRESSION TEST REPORT

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

| Specimo | ens received on: | 03 | 8/02/2 | 2025 | Tested on: | 07/02 | 2/2025 | in dry/wet | condition | | F. [| |
|---------------|------------------|-----------|--------|---------------|--------------|--------------------------------|----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|--------------|
| Sr. No. | Mark* | Cas DD | - | 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 | (1:1.5:3) | 23 | 1 | 2025 | 6x6x6 | | 8.6 | 36 | 35 | 2178 | | Non Engraved |
| 2 | (1:1.5:3) | 23 | 1 | 2025 | 6x6x6 | | 9 | 36 | 74 | 4604 | | Non Engraved |
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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 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.

Director/Dy. Director Concrete Laboratory

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

8817 Engr. A. Rehman



<u>ORIGINAL</u> A carbon copy for the report has been retained in the lab for record.

8817 Engr. A. Rehman

To: CM Engineering (Pvt) Ltd Quaid-e-Azam Town College Road, Lahore.

Project: E.CO Project Site ID: NRO25-CB-400 (Triangle Pier Foundation + DG PAD)

| Our Ref. No. CL/ | CED/ 7311 | Dated: | 07/02/2025 | Test Specification |
|------------------|---------------------|--------|------------|--------------------|
| Your Ref. No. | CME/Cubes/E.CO/2022 | Dated: | 21/1/2025 | (BS 1881-116) |

COMPRESSION TEST REPORT

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

| Specim | ens received on: | 03 | 8/02/2 | 2025 | Tested on: | 07/02 | 2/2025 | in dry/we | t condition | | | iester: |
|---------------|------------------|----|--------|-------|--------------|--------------------------------|----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|--------------|
| Sr. No. | Mark* | | - | Date* | 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 | (1:1.5:3) | 14 | 1 | 2025 | 6x6x6 | | 8.6 | 36 | 64 | 3982 | | Non Engraved |
| 2 | (1:1.5:3) | 14 | 1 | 2025 | 6x6x6 | | 8.4 | 36 | 56 | 3484 | | Non Engraved |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
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| Witnessed 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.



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

8817 Engr. A. Rehman

To: CM Engineering (Pvt) Ltd Quaid-e-Azam Town College Road, Lahore.

Project: E.CO Project Site ID: NRO25-CA-61 (Triangle Pier Foundation + DG PAD)

| Our Ref. No. CL/ | CED/ 7312 | Dated: | 07/02/2025 | Test Specification |
|------------------|---------------------|--------|------------|--------------------|
| Your Ref. No. | CME/Cubes/E.CO/2023 | Dated: | 31/1/2025 | (BS 1881-116) |

COMPRESSION TEST REPORT

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

| Specime | ens received on: | 03 | 8/02/2 | 2025 | Tested on: | 07/02 | 2/2025 | in dry/we | t condition | | r. [| |
|---------------|------------------|-----------|--------|---------------|--------------|-------------------------------|----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|--------------|
| Sr. No. | Mark* | Cas DD | - | 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 | (1:1.5:3) | 24 | 1 | 2025 | 6x6x6 | | 8.6 | 36 | 54 | 3360 | | Non Engraved |
| 2 | (1:1.5:3) | 24 | 1 | 2025 | 6x6x6 | | 8.8 | 36 | 64 | 3982 | | Non Engraved |
| 3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | |
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| Witnessed 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 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.





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

8817 Engr. A. Rehman

To: CM Engineering (Pvt) Ltd Quaid-e-Azam Town College Road, Lahore.

Project: E.CO Project Site ID: NRO25-CA-21 (Triangle Pier Foundation + DG PAD)

| Our Ref. No. CL/ | CED/ 7313 | Dated: | 07/02/2025 | Test Specification |
|------------------|---------------------|--------|------------|--------------------|
| Your Ref. No. | CME/Cubes/E.CO/2024 | Dated: | 03/02/2025 | (BS 1881-116) |

COMPRESSION TEST REPORT

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

| Specimo | ens received on: | 03 | 8/02/2 | 2025 | Tested on: | 07/02 | 2/2025 | in dry/wet | t condition | | | |
|---------|------------------|-----------|--------|---------------|--------------|--------------------------------|----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|--------------|
| Sr. No. | Mark* | Cas DD | - | 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 | (1:1.5:3) | 27 | 1 | 2025 | 6x6x6 | | 8.8 | 36 | 44 | 2738 | | Non Engraved |
| 2 | (1:1.5:3) | 27 | 1 | 2025 | 6x6x6 | | 8.6 | 36 | 54 | 3360 | | Non Engraved |
| 3 | | | | | | | | | | | | |
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| Witness | ed 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.



8412 Dr. Umbreen

To: Sub Divisional Officer **Buildings Sub Division No. 16, Lahore**

Project: Construction of SMART POLICE STATION SHADMAN LAHORE

| Our Ref. No. CL/CED/ 7314 | Dated: | 07/02/2025 | Test Specification |
|---------------------------|--------|------------|--------------------|
| Your Ref. No. 50 16th | Dated: | 12/12/2024 | () |

COMPRESSION TEST REPORT

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

| Specim | ens received on: | 12 | 2/12/2 | 2024 | Tested on: | 06/02 | 2/2025 | in dry/wet | t condition | | | ieste g |
|---------|------------------|-----------|--------|---------------|-----------------|----------------------------|-----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|---------|
| Sr. No. | Mark* | Cas DD | - | 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 | z | | | | 8.9 x 4.3 x 2.9 | 3650 | 3215 | 38.27 | 44 | 2575 | 13.53 | |
| 2 | z | | | | 8.8 x 4.3 x 3 | 3670 | 3270 | 37.84 | 44 | 2605 | 12.23 | |
| 3 | Z | | | | 8.8 x 4.3 x 3 | 3705 | 3275 | 37.84 | 38 | 2249 | 13.13 | |
| 4 | Z | | | | 8.9 x 4.2 x 2.9 | 3645 | 3190 | 37.38 | 32 | 1918 | 14.26 | |
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| Witness | ed 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.

| | | Plain and Reinforced Conc Civil Engineering Depart University of Engineering and Technology, L Landline: 042-99029245 & 042-99029202 | ment | 5 | ORIGINAL A carbon copy for the report has been retained in the lab for record. |
|-----|--------|---|------|---|--|
| | | | | | 8627 Dr. Umbreen |
| To: | | ir Ullah, Sub Engr-I Division, SUPARCO, Lahore | | | |
| | HVÁC E | : Constructions of RCC Vehicle Parking Sheds at SRDC Equipment at SRDC-L, and addition of CGI Sheets Shed f. No. CL/CED/ 7315 | | • | Test Specification |

Your Ref. No. 63303(4102)Works/Div/SRDC-L Dated:

COMPRESSION TEST REPORT

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

| Specim | ens received on: | 10 |)/01/2 | 2025 | Tested on: | 06/02 | 2/2025 | in dry/wet | condition | | | |
|---------|------------------|-----------|--------|---------------|-----------------|----------------------------|----------------------------|----------------------------------|--------------------------------|-----------------------------|-----------------------------|---------|
| Sr. No. | Mark* | Cas DD | • | 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 | м | | | | 9 x 4.2 x 3 | 3750 | 3345 | 37.8 | 44 | 2607 | 12.11 | |
| 2 | м | | | | 8.8 x 4.3 x 2.9 | 3670 | 3325 | 37.84 | 40 | 2368 | 10.38 | |
| 3 | м | | | | 8.8 x 4.2 x 3 | 3725 | 3340 | 36.96 | 24 | 1455 | 11.53 | |
| 4 | м | | | | 8.9 x 4.3 x 3 | 3600 | 3205 | 38.27 | 40 | 2341 | 12.32 | |
| 5 | м | | | | 8.8 x 4.2 x 3 | 4030 | 3510 | 36.96 | 44 | 2667 | 14.81 | |
| 6 | м | | | | 8.8 x 4.2 x 2.9 | 3720 | 3290 | 36.96 | 40 | 2424 | 13.07 | |
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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 compressive strength

 $\underline{\textbf{Note:}}$ 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.

Director/Dy. Director Concrete Laboratory

01/01/2025

(BS 3921**)



Dated:

Dated:

07/02/2025

28/1/2025

Test Specification

(----)

Manager Contracts, Rayan Iqbal Builders Pvt Ltd.

Project: Testing of Concrete Paver Block (A-001)

| Our Ref. No. CL/CED/ 7316 | |
|---------------------------|--|
|---------------------------|--|

Your Ref. No. R.I/LHR/0012

COMPRESSION TEST REPORT

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

| Specimens received on: | | 29/1/2025 | | 025 | Tested on: | 06/02/2025 i | | in dry/wet condition | | | | |
|------------------------|-----------------------------|-----------|------|-------|-----------------|--------------------------------|---------------------|----------------------|------------|--------------------|-------------------|---------|
| Sr. No. | Mark* | Cas | ting | Date* | Size | Wet Weight | Dry Weight | Area of X-Section | | Ultimate Stress | water Absorpti | Remarks |
| | | DD | MM | ΥΥΥΥ | (in) | (Kg/ gms) | (Kg/ gms) | (Sq. in) | (Imp.Tons) | (psi) | on (%) | |
| 1 | Rectangular, Grey, 60 mm | | | | 7.8 x 3.9 x 2.4 | | 2855 | 30.42 | 79 | 5817 | | |
| 2 | Rectangular, Grey, 60 mm | | | | 7.8 x 3.9 x 2.4 | | 3045 | 30.42 | 56 | 4124 | | |
| 3 | Rectangular, Grey, 60 mm | | | | 7.8 x 3.9 x 2.4 | | 2980 | 30.42 | 70 | 5155 | | |
| 4 | Rectangular, Grey, 60 mm | | | | 7.8 x 3.9 x 2.4 | | 2935 | 30.42 | 85 | 6259 | | |
| 5 | Rectangular, Grey, 60 mm | | | | 7.8 x 3.9 x 2.4 | GINE | 3090 | 30.42 | 63 | 4639 | | |
| 6 | Rectangular, Grey, 60 mm | | | | 7.8 x 3.9 x 2.4 | READIN | 2770 | 30.42 | 73 | 5375 | | |
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| Witness | ed 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 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.



Dated:

Dated:

07/02/2025

28/1/2025

Test Specification

(----)

Mr. Muhammad Awas Manager Contracts, Rayan Iqbal Builders Pvt Ltd.

Project: Testing of Concrete Paver Block (B-002)

| Our | Ref. | No. | CL/CED |)/ | 7317 | |
|-----|------|-----|--------|----|------|--|
| | | | | | | |

Your Ref. No. R.I/LHR/0013

COMPRESSION TEST REPORT

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

| Specim | 29/1/2025 Tested on: | | | 06/02 | 2/2025 | in dry/wet condition | | | | je na s | | |
|---------|-----------------------------|---------------|----|--------------------|-----------------|----------------------|----------------------------|----------------------|------------|--------------------|----------|---------|
| Sr. No. | Mark* | Casting Mark* | | Casting Date* Size | | Wet Weight | Dry Weight | Area of X-Section | | Ultimate Stress | Absorpti | Remarks |
| | | DD | ММ | ΥΥΥΥ | (in) | (Kg/ gms) | (Kg/ gms) | (Sq. in) | (Imp.Tons) | (psi) | on (%) | |
| 1 | Rectangular, Grey, 60 mm | | | | 7.9 x 3.9 x 2.4 | | 2915 | 30.81 | 85 | 6180 | | |
| 2 | Rectangular, Grey, 60 mm | | | | 7.9 x 3.9 x 2.4 | | 2915 | 30.81 | 85 | 6180 | | |
| 3 | Rectangular, Grey, 60 mm | | | | 7.9 x 3.9 x 2.4 | | 2805 | 30.81 | 126 | 9161 | | |
| 4 | Rectangular, Grey, 60 mm | | | | 7.9 x 3.9 x 2.4 | | 2795 | 30.81 | 84 | 6107 | | |
| 5 | Rectangular, Grey, 60 mm | | | | 7.9 x 3.9 x 2.4 | GINE | 2805 | 30.81 | 108 | 7852 | | |
| 6 | Rectangular, Grey, 60 mm | | | | 7.9 x 3.9 x 2.4 | | 2720 | 30.81 | 106 | 7707 | | |
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| Witness | ed 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 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.