Plain and Reinforced Concrete Laboratory
Civil Engineering Department
University of Engineering and Technology, Lahore. Pakistan Landline: 042-99029245 \& 042-99029202

Mobile: 0307-0496895

To: Mr. Muhammad Awais Khan
FM (Works Div), SUPARCO Office Works Division
Project: Construction of Staff Hostel PAKSAT MM-1 at SCF-L Kala Shah Kaku Lahore.

Our Ref. No. CL/CED/ 2122
Your Ref. No. 3959(002) Works/Div/SRDC-L

Dated:
09-06-23
Dated: 30-03-23

Test Specification
(---- )

## COMPRESSION TEST REPORT

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

Specimens received on: 06-06-23 Tested on: $\quad 09-06-23$ in dry/wet condition

| Sr. No. | Mark* | Casting Date* <br> DD MM YYYY |  |  | Size <br> (in) | Wet Weight ( $\mathrm{Kg} / \mathrm{gms}$ ) | Dry Weight (Kg/gms) | $\begin{array}{\|c\|} \hline \text { Area of } \\ \text { X-Section } \\ \text { (Sq. in) } \end{array}$ | Ultimate load (Imp.Tons) | Ultimate Stress (psi) | Water Absorpti on (\%) | Remarks |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 7UP | --- | --- | --- | $8.9 \times 4.4 \times 2.9$ | --- | 3250 | 39.16 | 43 | 2460 | --- | -- |
| 2 | 7UP | --- | --- | --- | $8.8 \times 4.4 \times 2.9$ | --- | 3270 | 38.72 | 42 | 2430 | --- | --- |
| 3 | 7UP | --- | --- | --- | $9 \times 4.2 \times 2.9$ | --- | 3245 | 37.8 | 40 | 2370 | --- | --- |
| 4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 5 | --- | --- | --- | --- | --- | --7 | W7\% | --- | --- | --- | --- | --- |
| 6 | --- | --- | --- | --- | --- |  | --- | --- | --- | --- | --- | --- |
| 7 | --- | --- | --- | --- | $-$ | --- | - --- | - --- | --- | --- | --- | --- |
| 8 | --- | --- | --- | --- | --- | --- | --- | - --- | --- | --- | --- | --- |
| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | -- | --- |
| 10 | --- | --- | --- | --- | --- | --- | $\cdots$ | --- | --- | --- | --- | --- |
| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

## 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. **** $\mathrm{ACl} 318-08$ requires mean of two sample ( 6 "diax12" cylinder) strength at 28 days as comprerssive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory
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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Mobile: 0307-0496895

To: ABEL Construction Pvt. Ltd.
(An Engineering Construction Entity)
Project: Warehouse Project at Fiedmc Faisalabad.
Our Ref. No. CL/CED/ 2123
Your Ref. No. Nil

## COMPRESSION TEST REPORT

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

Specimens received on: 08-06-23 Tested on: $\quad 09-06-23$ in dry/wet condition

| Sr. No. | Mark* | Casting Date* <br> DD MM YYYY |  |  | Size <br> (in) | Wet Weight (Kg/ gms) | Dry Weight (Kg/gms) | Area of X-Section (Sq. in) | Ultimate load (Imp.Tons) | Ultimate <br> Stress <br> (psi) | Water Absorpti on (\%) | Remarks |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | (3000 Psi) | 23 | 5 | 2023 | 6Diax12 | --- | 13.6 | 28.28 | 31 | 2455 | --- | Non Engraved |
| 2 | (3000 Psi) | 23 | 5 | 2023 | 6Diax12 | --- | 13.6 | 28.28 | 37 | 2931 | --- | Non Engraved |
| 3 | (3000 Psi) | 23 | 5 | 2023 | 6Diax12 | --- | 13.8 | 28.28 | 34 | 2693 | --- | Non Engraved |
| 4 | (3000 Psi) | 23 | 5 | 2023 | 6Diax12 | --- | 13.6 | 28.28 | 27 | 2139 | --- | Non Engraved |
| 5 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 6 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 7 |  | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | --- | -- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13 | --- | --- | --- | --- | --- | --- | --- | -- | --- | --- | --- | --- |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

## 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. **** $\mathrm{ACl} 318-08$ requires mean of two sample ( 6 "diax12" cylinder) strength at 28 days as comprerssive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory
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Mobile: 0307-0496895

To: (Brig. Saeed Ahmed Malik) SI (M), (R)
Resident Engineer, Highways and Transportation Engineering Division, NESPAK (Pvt) Ltd
Project: Repair / Maintenance of PCC Street Siddique Colony Khokhar Road Badami Bagh Ravi Zone.
Repair / Maintenance of PCC Street Ch. Amjad Building Material Store Near Hussain Drain Road etc.
Our Ref. No. CL/CED/ 2124
Dated: 09-06-23
Your Ref. No. 4084/103/BSAM/104/958 Dated: 19/5/2023

## COMPRESSION TEST REPORT

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

Specimens received on: 26/5/2023 Tested on: 09-06-23 in dry/wet condition


| Sr. No. | Mark* | Casting Date* DD MM YYYY |  |  | Size <br> (in) | Wet Weight ( $\mathrm{Kg} / \mathrm{gms}$ ) | Dry Weight (Kg/gms) | Area of X-Section (Sq. in) | Ultimate <br> load (Imp.Tons) | Ultimate <br> Stress <br> (psi) | Water Absorpti on (\%) | Remarks |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | MS | --- | --- | --- | $8.7 \times 4.2 \times 3$ | 3775 | 3415 | 36.54 | 57 | 3494 | 10.54 | --- |
| 2 | MS | --- | --- | --- | $8.7 \times 4.3 \times 3$ | 3695 | 3275 | 37.41 | 40 | 2395 | 12.82 | --- |
| 3 | MS | --- | --- | --- | $8.9 \times 4.3 \times 3.1$ | 3775 | 3335 | 38.27 | 45 | 2634 | 13.19 | --- |
| 4 | MS | --- | --- | --- | $8.9 \times 4.3 \times 3$ | 3795 | 3320 | 38.27 | 44 | 2575 | 14.31 | --- |
| 5 | MS | --- | --- | --- | $8.8 \times 4.4 \times 3$ | 3730 | 3275 | 38.72 | 44 | 2545 | 13.89 | --- |
| 6 | MS | --- | --- | --- | $8.8 \times 4.2 \times 3$ | 3600 | 3310 | 36.96 | 38 | 2303 | 8.76 | --- |
| 7 | --- | --- | --- | --- | - | --- | --- | c--- | --- | --- | --- | --- |
| 8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10 | --- | --- | --- | --- | --- | -- | -- | --- | --- | --- | --- | --- |
| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13 | --- | --- | --- | --- | --- | --- | --- | -- | $\cdots$ | -- | --- | --- |
| 14 | --- | --- | --- | -- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16 | --- | --- | --- | --- | --- | -- | --- | --- | --- | --- | --- | --- |

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Civil Engineering Department
University of Engineering and Technology, Lahore. Pakistan Landline: 042-99029245 \& 042-99029202

Mobile: 0307-0496895

To: Mr. Muhammad Shafiq
General Manager, Vertical Concrete
Project: Construction of LC-67 Dream Garden Lahore
Our Ref. No. CL/CED/ 2125
Your Ref. No. VC/04/2023

Dated:
09-06-23
Dated: 02-06-23

Test Specification
(----)

## COMPRESSION TEST REPORT

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

Specimens received on: $\quad 02-06-23$ Tested on: $\quad 09-06-23$ in dry/wet condition

| Sr. No. | Mark* | Casting Date* <br> DD MM YYYY |  |  | Size <br> (in) | Wet Weight (Kg/ gms) | Dry Weight (Kg/ gms) | Area of <br> X-Section <br> (Sq. in) | Ultimate <br> load <br> (Imp.Tons) | Ultimate <br> Stress <br> (psi) | Water Absorpti on (\%) | Remarks |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | Hollow Block | --- | --- | --- | $15.7 \times 5.9 \times 7.9$ | --- | 15.8 | 52.73 | 43 | 1827 | --- | --- |
| 2 | Hollow Block | --- | --- | --- | $15.7 \times 5.9 \times 7.9$ | --- | 15.4 | 52.73 | 36 | 1529 | --- | --- |
| 3 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | -- |
| 5 | --- | --- | --- | --- | --- | - ${ }^{-12}$ | -- | --- | --- | --- | --- | --- |
| 6 | --- | -- | --- | --- | --- | -- | --- | --- | --- | --- | --- | --- |
| 7 | --- | --- | --- | --- | --- | --- | -- | - --- | --- | --- | --- | --- |
| 8 | --- | --- | --- | --- | -- | --- | --- | ---- | --- | --- | --- | --- |
| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10 | --- | --- | --- | --- | --- | --- | -- | --- | --- | --- | --- | --- |
| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

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

Mobile: 0307-0496895

To: Senior Engineer/Team Leader
Engineering Consultancy Services Punjab (Pvt) Limited
Project: Third Party Validation of 35 Sites of Arazi Record Centers (ARCs) at Qanoongoi Level across Punjab Province.
Our Ref. No. CL/CED/ 2126
Your Ref. No. ECSP/SE(B)/362/02

## COMPRESSION TEST REPORT

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

Specimens received on: $26 / 5 / 2023$ Tested on: $\quad 09-06-23$ in dry/wet condition

| Sr. No. | Mark* | Casting Date* <br> DD MM YYYY |  |  | Size <br> (in) | Wet Weight (Kg/gms) | Dry Weight (Kg/gms) | Area of X-Section (Sq. in) | Ultimate load (Imp.Tons) | Ultimate <br> Stress <br> (psi) | Water Absorpti on (\%) | Remarks |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | S-1 (Used Brick) | --- | --- | --- | $8.7 \times 4.2 \times 2.9$ | 3630 | 3300 | 36.54 | 42 | 2575 | 10 | ARC at Nurpur, Pakpattan |
| 2 | S-1 (Used Brick) | --- | --- | --- | $8.7 \times 4.1 \times 3$ | 3670 | 3250 | 35.67 | 38 | 2386 | 12.92 | ARC at Nurpur, Pakpattan |
| 3 | S-1 (Used Brick) | --- | --- | --- | $8.7 \times 4.2 \times 3$ | 3630 | 3300 | 36.54 | 43 | 2636 | 10 | ARC at Nurpur, Pakpattan |
| 4 | S-1 (Used Brick) | --- | --- | --- | $8.9 \times 4.2 \times 3$ | 3580 | 3150 | 37.38 | 27 | 1618 | 13.65 | ARC at Nurpur, Pakpattan |
| 5 | D-11 (Used Brick) | --- | --- | --- | $8.6 \times 4.2 \times 3$ | 3305 | 2905 | 36.12 | 38 | 2357 | 13.77 | ARC at Nokhar, Nowsh. Virkan |
| 6 | D-11 (Used Brick) | --- | --- | --- | $8.4 \times 4.2 \times 2.9$ | 3240 | 2960 | 35.28 | 43 | 2730 | 9.46 | ARC at Nokhar, Nowsh. Virkan |
| 7 | D-11 (Used Brick) | --- | --- | --- | $8.6 \times 4.2 \times 2.9$ | 3195 | 2880 | 36.12 | 46 | 2853 | 10.94 | ARC at Nokhar, Nowsh. Virkan |
| 8 | D-11 (Used Brick) | --- | --- | --- | $8.7 \times 4.1 \times 2.9$ | 3165 | 2820 | 35.67 | 33 | 2072 | 12.23 | ARC at Nokhar, Nowsh. Virkan |
| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10 | --- | --- | --- | -- | --- | $1 /$ | D-- | --- | --- | --- | --- | --- |
| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | --- | --- | --- | -- | --- | --- | --- | --- | --- |
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Mobile: 0307-0496895

To: Sub Divisional Officer
Buildings Sub Division No. 9, Lahore
Project: Master Planning of Qurban Lines, Lahore (Phase-I). Construction of BS (18-19) Apartments Qurban Lines, Lahore
Our Ref. No. CL/CED/ 2127
Your Ref. No. 346/9th
Dated:
09-06-23
Dated: 01-06-23
Test Specification
(BS 3921**)

## COMPRESSION TEST REPORT

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

Specimens received on: 02-06-23 Tested on: $\quad 09-06-23$ in dry/wet condition

| Sr. No. | Mark* | Casting Date* <br> DD MM YYYY |  |  | Size <br> (in) | Wet Weight (Kg/ gms) | Dry Weight (Kg/gms) | Area of <br> X-Section <br> (Sq. in) | Ultimate <br> load <br> (Imp.Tons) | Ultimate <br> Stress <br> (psi) | Water Absorpti on (\%) | Remarks |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | MA | --- | --- | --- | $9 \times 4.4 \times 2.9$ | --- | 3345 | 39.6 | 48 | 2715 | --- | --- |
| 2 | MA | --- | --- | --- | $8.9 \times 4.4 \times 3.1$ | --- | 3245 | 39.16 | 47 | 2688 | --- | --- |
| 3 | MA | --- | --- | --- | $8.9 \times 4.4 \times 3$ | --- | 3310 | 39.16 | 45 | 2574 | --- | -- |
| 4 | MA | --- | --- | --- | $9 \times 4.4 \times 2.9$ | --- | 3405 | 39.6 | 46 | 2602 | --- | --- |
| 5 | MA | -- | --- | --- | $9 \times 4.4 \times 2.9$ | -- | 3280 | 39.6 | 48 | 2715 | --- | --- |
| 6 | MA | --- | --- | --- | $8.9 \times 4.3 \times 3$ | --- | 3400 | 38.27 | 46 | 2692 | --- | --- |
| 7 | --- | -- | --- | --- | --- - - - - | --- | -- | - - -- | --- | --- | --- | --- |
| 8 | --- | --- | --- | --- | -- | --- | --- | ---- | --- | --- | --- | --- |
| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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Civil Engineering Department
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Mobile: 0307-0496895

To: Sub Divisional Officer
Buildings Sub Division No. 15, Lahore
Project: Construction of Bachelor Accommodation and Judicial Rest House at Dharampura District, Lahore
Our Ref. No. CL/CED/ 2128
Your Ref. No. 3238
Dated: 09-06-23
Dated: 29/5/2023
Test Specification
(BS 3921**)

## COMPRESSION TEST REPORT

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

Specimens received on: $02-06-23$ Tested on: $\quad 09-06-23$ in dry/wet condition

| Sr. No. | Mark* | Casting Date* <br> DD MM YYYY |  |  | Size <br> (in) | Wet Weight (Kg/ gms) | Dry Weight (Kg/gms) | Area of <br> X-Section <br> (Sq. in) | Ultimate <br> load <br> (Imp.Tons) | Ultimate <br> Stress <br> (psi) | Water Absorpti on (\%) | Remarks |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | MA | --- | --- | --- | $8.9 \times 4.3 \times 2.9$ | --- | 3210 | 38.27 | 48 | 2810 | --- | --- |
| 2 | MA | --- | --- | --- | $8.8 \times 4.3 \times 3$ | --- | 3320 | 37.84 | 46 | 2723 | --- | --- |
| 3 | MA | --- | --- | --- | $8.9 \times 4.4 \times 3$ | --- | 3330 | 39.16 | 50 | 2860 | --- | -- |
| 4 | MA | --- | --- | --- | $8.8 \times 4.3 \times 3.1$ | --- | 3480 | 37.84 | 47 | 2782 | --- | --- |
| 5 | MA | -- | --- | --- | $8.9 \times 4.4 \times 3$ | -- | 3270 | 39.16 | 47 | 2688 | --- | --- |
| 6 | MA | --- | --- | --- | $8.8 \times 4.4 \times 2.9$ | --- | 3295 | 38.72 | 43 | 2488 | --- | --- |
| 7 | --- | -- | --- | --- | --- - - - | --- | - | - --- | --- | --- | --- | --- |
| 8 | --- | -- | --- | --- | --- | --- | --- | ---- | --- | --- | --- | --- |
| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 11 | -- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | --- | -- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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4. **** $\mathrm{ACl} 318-08$ 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.

Plain and Reinforced Concrete Laboratory
Civil Engineering Department
University of Engineering and Technology, Lahore. Pakistan Landline: 042-99029245 \& 042-99029202

Mobile: 0307-0496895

To: Mr. Tahir Khalil Ahsan
General Manager (Projects), Development Consultancy Services (Pvt) Ltd
Project: Development of University of Sahiwal District Sahiwal.
Our Ref. No. CL/CED/ 2129
Dated:
09-06-23
Your Ref. No. DCS/GM/UOS/2023/0526-1/782
Dated:
26/5/2023

Test Specification
( ---- )

## COMPRESSION TEST REPORT

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

Specimens received on: 31/5/2023 Tested on: $\quad 09-06-23$ in dry/wet condition

| Sr. No. | Mark* | Casting Date* <br> DD MM YYYY |  |  | Size <br> (in) | Wet Weight (Kg/ gms) | Dry Weight (Kg/gms) | Area of X-Section (Sq. in) | Ultimate load (Imp.Tons) | Ultimate <br> Stress <br> (psi) | Water Absorpti on (\%) | Remarks |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 999 | --- | --- | --- | $8.7 \times 4.3 \times 2.7$ | 3095 | 2695 | 37.41 | 47 | 2814 | 14.84 | --- |
| 2 | 999 | --- | --- | --- | $8.7 \times 4.3 \times 2.6$ | 3050 | 2600 | 37.41 | 43 | 2575 | 17.31 | --- |
| 3 | 999 | --- | --- | --- | $8.7 \times 4.3 \times 2.7$ | 3130 | 2630 | 37.41 | 39 | 2335 | 19.01 | --- |
| 4 | 555 | --- | --- | --- | $8.6 \times 4.2 \times 2.8$ | 2985 | 2330 | 36.12 | 38 | 2357 | 28.11 | --- |
| 5 | 555 | --- | --- | --- | $8.8 \times 4.3 \times 2.6$ | 3035 | 2400 | 37.84 | 40 | 2368 | 26.46 | --- |
| 6 | 555 | --- | --- | --- | $8.8 \times 4.2 \times 2.8$ | 3075 | 2585 | 36.96 | 38 | 2303 | 18.96 | --- |
| 7 | --- | --- | --- | --- | --- | --- | ---- | -3 --- | --- | --- | --- | --- |
| 8 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10 | --- | -- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16 | --- | --- | --- | --- | --- | --- | --- | --- | -- | --- | --- | --- |

## 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. **** $\mathrm{ACl} 318-08$ requires mean of two sample ( 6 "diax12" cylinder) strength at 28 days as comprerssive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory
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 Concrete Laboratory
Civil Engineering Department
University of Engineering and Technology, Lahore. Pakistan Landline: 042-99029245 \& 042-99029202

Mobile: 0307-0496895

To: M. Yousaf \& Company
Civil Contractor, Building, Repairing, Painting, Sanitary, Wood \& Steel Works
Project: Construction of TCF Secondary School Ext. Awan Dhai Wala Lahore.
Our Ref. No. CL/CED/ 2130
Your Ref. No. Nil
Dated:
09-06-23
Dated: 30/5/2023
Test Specification
(BS 3921**)

## COMPRESSION TEST REPORT

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

Specimens received on: 30/5/2023 Tested on: $\quad 09-06-23$ in dry/wet condition

| Sr. No. | Mark* | Casting Date* <br> DD MM YYYY |  |  | Size <br> (in) | Wet <br> Weight <br> (Kg/ gms) | Dry Weight (Kg/gms) | $\begin{array}{\|c\|} \hline \text { Area of } \\ \text { X-Section } \\ \text { (Sq. in) } \end{array}$ | Ultimate <br> load <br> (Imp.Tons) | Ultimate <br> Stress <br> (psi) | Water Absorpti on (\%) | Remarks |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 5 | --- | --- | --- | $8.8 \times 4.2 \times 3$ | --- | 3320 | 36.96 | 42 | 2545 | --- | --- |
| 2 | 5 | --- | --- | --- | $8.9 \times 4.4 \times 3$ | --- | 3360 | 39.16 | 42 | 2402 | --- | --- |
| 3 | 5 | --- | --- | --- | $8.9 \times 4.4 \times 3$ | --- | 3270 | 39.16 | 43 | 2460 | --- | --- |
| 4 | 5 | --- | --- | --- | $8.9 \times 4.3 \times 2.9$ | --- | 3350 | 38.27 | 45 | 2634 | --- | --- |
| 5 | 5 | -- | --- | --- | $9 \times 4.3 \times 2.9$ | -- | 3375 | 38.7 | 48 | 2778 | --- | --- |
| 6 | --- | -- | --- | --- | --- | -- | --- | --- | --- | --- | --- | --- |
| 7 | --- | --- | --- | --- | - | --- | - --- | -3 --- | --- | --- | --- | --- |
| 8 | -- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10 | --- | --- | --- | --- | --- | --- | $\cdots$ | --- | --- | --- | --- | --- |
| 11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | -- |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | -- |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

## Witnessed by:

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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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Note: Above results pertain to the unsealed samples supplied to the laboratory
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Plain and Reinforced Concrete Laboratory
Civil Engineering Department
University of Engineering and Technology, Lahore. Pakistan Landline: 042-99029245 \& 042-99029202

Mobile: 0307-0496895

To: Mr. Junaid Ahmed
Prominent Engineering \& General Services
Project: Compressive strength test of Tile Bond Cubes.

Our Ref. No. CL/CED/ 2131
Your Ref. No. Nil

Dated:
09-06-23
Dated:

Test Specification
( ---- )

## COMPRESSION TEST REPORT

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

Specimens received on: 02-06-23 Tested on: $\quad 09-06-23$ in dry/wet condition

| Sr. No. | Mark* | Casting Date* <br> DD MM YYYY |  |  | Size <br> (in) | Wet Weight ( $\mathrm{Kg} / \mathrm{gms}$ ) | Dry Weight (Kg/gms) | Area of <br> X-Section <br> (Sq. in) | Ultimate <br> load <br> (Imp.Tons) | Ultimate <br> Stress <br> (psi) | Water Absorpti on (\%) | Remarks |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | Rhino Plus Tile Bond Cube | 6 | 5 | 2023 | $2.1 \times 2 \times 2$ | --- | 260 | 4.2 | 5 | 2667 | --- | Non Engraved |
| 2 | Rhino Plus Tile Bond Cube | 6 | 5 | 2023 | $2.1 \times 2.1 \times 2.2$ | --- | 270 | 4.41 | 4.25 | 2159 | --- | Non Engraved |
| 3 | Rhino Plus Tile Bond Cube | 6 | 5 | 2023 | $2.1 \times 2.1 \times 2.1$ | --- | 295 | 4.41 | 3.75 | 1905 | --- | Non Engraved |
| 4 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | -- | --- |
| 5 | --- | --- | --- | --- | --- | --- | 7- | --- | --- | --- | --- | --- |
| 6 | --- | --- | --- | --- | --- | -- | - .-. | --- | --- | --- | --- | --- |
| 7 | --- | -- | --- | --- | --- | --- | - --- | - --- | --- | --- | --- | --- |
| 8 | --- | --- | --- | --- | --- | --- | --- | ---- | --- | --- | --- | --- |
| 9 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 10 | --- | -- | --- | --- | --- | --- | -- | --- | --- | --- | --- | --- |
| 11 | --- | --- | -- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

## 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. **** $\mathrm{ACl} 318-08$ requires mean of two sample ( 6 "diax12" cylinder) strength at 28 days as comprerssive strength

Note: Above results pertain to the unsealed samples supplied to the laboratory
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Plain and Reinforced Concrete Laboratory
Civil Engineering Department
University of Engineering and Technology, Lahore. Pakistan Landline: 042-99029245 \& 042-99029202

Mobile: 0307-0496895

To: Engr. Sohail Bukhari
Project Co-ordinator, SINACO Engineers (Pvt) Ltd
Project: Testing of Bricks for Poly Pack SKP.
Our Ref. No. CL/CED/ 2132
Your Ref. No. 237/2023
Dated:
09-06-23
Dated: 31/5/2023
Test Specification
(BS 3921**)

## COMPRESSION TEST REPORT

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

Specimens received on:
01-06-23 Tested on:

| $09-06-23$ |
| :---: | in dry/wet condition



| Sr. No. | Mark* | Casting Date* <br> DD MM YYYY |  |  | Size <br> (in) | Wet Weight ( $\mathrm{Kg} / \mathrm{gms}$ ) | Dry Weight (Kg/gms) | Area of X-Section (Sq. in) | Ultimate <br> load <br> (Imp.Tons) | Ultimate <br> Stress <br> (psi) | Water Absorpti on (\%) | Remarks |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | SS | -- | --- | --- | $8.4 \times 4 \times 2.9$ | 3195 | 2885 | 33.6 | 38 | 2533 | 10.75 | --- |
| 2 | SS | --- | --- | --- | $8.3 \times 4 \times 2.9$ | 3190 | 2935 | 33.2 | 40 | 2699 | 8.69 | --- |
| 3 | SS | --- | --- | --- | $8.4 \times 4.1 \times 3$ | 3280 | 2940 | 34.44 | 34 | 2211 | 11.56 | --- |
| 4 | SS | --- | --- | --- | $8.5 \times 4 \times 3$ | 3345 | 3060 | 34 | 41 | 2701 | 9.31 | --- |
| 5 | SS | --- | --- | --- | $8.5 \times 4.1 \times 3$ | 3340 | 2985 | 34.85 | 36 | 2314 | 11.89 | --- |
| 6 | SS | --- | --- | --- | $8.7 \times 4.1 \times 2.8$ | 3190 | 2930 | 35.67 | 38 | 2386 | 8.87 | --- |
| 7 | 7 | --- | --- | - | $8.7 \times 4.2 \times 2.9$ | 3390 | 3025 | - 36.54 | 32 | 1962 | 12.07 | --- |
| 8 | 7 | --- | --- | --- | $8.5 \times 4.2 \times 2.8$ | 3285 | 2945 | 35.7 | 33 | 2071 | 11.54 | --- |
| 9 | 7 | --- | --- | --- | $8.7 \times 4.3 \times 2.9$ | 3510 | 3120 | 37.41 | 38 | 2275 | 12.5 | --- |
| 10 | 7 | --- | --- | --- | $8.6 \times 4.2 \times 2.8$ | 3390 | 3030 | 36.12 | 42 | 2605 | 11.88 | --- |
| 11 | 7 | --- | --- | --- | $8.6 \times 4.3 \times 2.8$ | 3270 | 2925 | 36.98 | 45 | 2726 | 11.79 | --- |
| 12 | 7 | --- | --- | --- | $8.7 \times 4.2 \times 2.8$ | 3490 | 3130 | 36.54 | 50 | 3065 | 11.5 | --- |
| 13 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 14 | --- | --- | --- | --- | --- | -- | --- | --- | --- | --- | --- | --- |
| 15 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 16 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

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