

Syed Ahsan Raza

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

RE Pakistan Square DHA Multan.(Const. Of Monuments at Pakistan Square In DHA Multan.)

Client Reference: RE/ESAC/PS/02/31

SOM Lab

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Ref:

1/1)

Dated: 06-01-2022

Dated:

07-01-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar

| S.No. | Weight | Dia. | | Area | | Yield Load | Ultimate Load | Yield Stress | | Ult. Stress | | Elongation | Gauge Length | %age Elongation | Remarks |
|-------|--------|---------|------------|-----------------|-----------------|------------|---------------|-----------------------------|------------------------------|-----------------------------|------------------------------|------------|--------------|-----------------|---------|
| | | Nominal | Calculated | Nominal | Calculated | | | (according to nominal area) | (according to measured area) | (according to nominal area) | (according to measured area) | | | | |
| | lb/ft | # | in | in ² | in ² | Tons | Tons | psi | psi | psi | psi | in | in | % | |
| 1 | 2.644 | 8 | 0.995 | 0.79 | 0.777 | 28.40 | 35.80 | 79290 | 80610 | 99950 | 101620 | 1.20 | 8.0 | 15.0 | Mughal |
| 2 | 1.485 | 6 | 0.745 | 0.44 | 0.436 | 15.39 | 19.09 | 77160 | 77860 | 95700 | 96580 | 1.50 | 8.0 | 18.8 | Amreli |
| 3 | 1.019 | 5 | 0.617 | 0.31 | 0.299 | 11.50 | 13.50 | 81810 | 84820 | 96020 | 99550 | 1.00 | 8.0 | 12.5 | Ittefaq |
| 4 | 0.662 | 4 | 0.498 | 0.20 | 0.195 | 6.80 | 8.49 | 74980 | 76900 | 93640 | 96040 | 1.10 | 8.0 | 13.8 | Mughal |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

BEND TEST:

| | | |
|-----|--|---|
| # 8 | Sample bend through 180 degrees Satisfactorily without any crack | Note:- Only Eight Samples Received and Tested |
| # 6 | Sample bend through 180 degrees Satisfactorily without any crack | |
| # 5 | Sample bend through 180 degrees Satisfactorily without any crack | |
| # 4 | Sample bend through 180 degrees Satisfactorily without any crack | |
| | | |

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Khalid Bashir

Test Performed By:

Dr. /Engr. S Asad Ali Gillani

Ittefaq Building Solution(Sapphire Diamond Ferozwatwan, Building: New Washing And Finishing Area)

Client Reference: IBS/SD/ST30

SOM Lab 5638 (Page-

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Dated: 06-01-2022

Dated: 07-01-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar

| S.No. | Weight | Dia. | | Area | | Yield Load | Ultimate Load | Yield Stress | | Ult. Stress | | Elongation | Gauge Length | %age Elongation | Remarks |
|-------|--------|---------|------------|-----------------|-----------------|------------|---------------|-----------------------------|------------------------------|-----------------------------|------------------------------|------------|--------------|-----------------|---------|
| | | Nominal | Calculated | Nominal | Calculated | | | (according to nominal area) | (according to measured area) | (according to nominal area) | (according to measured area) | | | | |
| | lb/ft | # | in | in ² | in ² | Tons | Tons | psi | psi | psi | psi | in | in | % | |
| 1 | 1.516 | 6 | 0.754 | 0.44 | 0.446 | 16.79 | 20.59 | 84160 | 83020 | 103210 | 101820 | 1.10 | 8.0 | 13.8 | |
| 2 | 1.522 | 6 | 0.754 | 0.44 | 0.447 | 17.33 | 20.90 | 86860 | 85500 | 104750 | 103110 | 1.00 | 8.0 | 12.5 | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

BEND TEST:

| | | |
|-----|--|---|
| # 6 | Sample bend through 180 degrees Satisfactorily without any crack | Note:- Only Three Samples Received and Tested |
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Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Muhammad Tahir Saleem
 PD Mall Of Sheikhpura .(M/S Nerien Engg)

Test Performed By: Dr. /Engr. S Asad Ali Gillani

Client Reference: UET/NE/Site-01

SOM Lab Ref: 5639 (Page-1/1)

Dated: 06-01-2022

Dated: 07-01-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar

| S.No. | Weight | Dia. | | Area | | Yield Load | Ultimate Load | Yield Stress | | Ult. Stress | | Elongation | Gauge Length | %age Elongation | Remarks |
|-------|--------|---------|------------|-----------------|-----------------|------------|---------------|-----------------------------|------------------------------|-----------------------------|------------------------------|------------|--------------|-----------------|---------|
| | | Nominal | Calculated | Nominal | Calculated | | | (according to nominal area) | (according to measured area) | (according to nominal area) | (according to measured area) | | | | |
| | lb/ft | # | in | in ² | in ² | Tons | Tons | psi | psi | psi | psi | in | in | % | |
| 1 | 2.728 | 8 | 1.011 | 0.79 | 0.802 | 24.64 | 38.76 | 68790 | 67760 | 108200 | 106580 | 1.20 | 8.0 | 15.0 | |
| 2 | 2.721 | 8 | 1.009 | 0.79 | 0.800 | 24.49 | 38.65 | 68360 | 67500 | 107910 | 106560 | 1.30 | 8.0 | 16.3 | |
| 3 | 1.572 | 6 | 0.767 | 0.44 | 0.462 | 12.33 | 19.80 | 61830 | 58880 | 99230 | 94500 | 1.10 | 8.0 | 13.8 | |
| 4 | 1.582 | 6 | 0.769 | 0.44 | 0.465 | 12.44 | 19.95 | 62340 | 58990 | 99990 | 94620 | 1.30 | 8.0 | 16.3 | |
| 5 | 0.665 | 4 | 0.498 | 0.20 | 0.195 | 5.25 | 7.72 | 57890 | 59380 | 85100 | 87280 | 1.20 | 8.0 | 15.0 | |
| 6 | 0.671 | 4 | 0.501 | 0.20 | 0.197 | 5.25 | 7.85 | 57890 | 58770 | 86560 | 87870 | 1.40 | 8.0 | 17.5 | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

BEND TEST:

| | | |
|-----|--|--|
| # 8 | Sample bend through 180 degrees Satisfactorily without any crack | Note:- Only Nine Samples Received and Tested |
| # 6 | Sample bend through 180 degrees Satisfactorily without any crack | |
| # 4 | Sample bend through 180 degrees Satisfactorily without any crack | |
| | | |

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Kifayat Hussain Naqvi

Test Performed By: Dr. /Engr. S Asad Ali Gillani

CRE Kachhi Canal Rem.Works Consults-DAY(Earth W,Structure and Lining of Main Canal &Distbtrs)

Client Reference: KCP/CRE/KC-6B(3R)/UET/59

SOM Lab 5640 (Page-

Ref: 1/1)

Dated: 06-01-2022

Dated: 07-01-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (HSJ Steel)

| S.No. | Weight | Dia. | | Area | | Yield Load | Ultimate Load | Yield Stress | | Ult. Stress | | Elongation | Gauge Length | %age Elongation | Remarks |
|-------|--------|---------|------------|-----------------|-----------------|------------|---------------|-----------------------------|------------------------------|-----------------------------|------------------------------|------------|--------------|-----------------|---------|
| | | Nominal | Calculated | Nominal | Calculated | | | (according to nominal area) | (according to measured area) | (according to nominal area) | (according to measured area) | | | | |
| | lb/ft | # | in | in ² | in ² | Tons | Tons | psi | psi | psi | psi | in | in | % | |
| 1 | 2.510 | 8 | 0.969 | 0.79 | 0.738 | 21.53 | 30.91 | 60110 | 64340 | 86290 | 92370 | 1.50 | 8.0 | 18.8 | |
| 2 | 2.516 | 8 | 0.970 | 0.79 | 0.739 | 21.36 | 30.75 | 59620 | 63740 | 85860 | 91780 | 1.50 | 8.0 | 18.8 | |
| 3 | 1.636 | 6 | 0.783 | 0.44 | 0.481 | 12.97 | 18.09 | 65000 | 59460 | 90690 | 82960 | 1.70 | 8.0 | 21.3 | |
| 4 | 1.625 | 6 | 0.780 | 0.44 | 0.478 | 13.07 | 18.06 | 65510 | 60300 | 90540 | 83340 | 1.60 | 8.0 | 20.0 | |
| 5 | 0.603 | 4 | 0.475 | 0.20 | 0.177 | 5.32 | 7.82 | 58680 | 66300 | 86220 | 97420 | 1.10 | 8.0 | 13.8 | |
| 6 | 0.601 | 4 | 0.475 | 0.20 | 0.177 | 5.15 | 7.82 | 56770 | 64150 | 86220 | 97420 | 1.30 | 8.0 | 16.3 | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |

BEND TEST:

| | | |
|-----|--|--|
| # 8 | Sample bend through 180 degrees Satisfactorily without any crack | Note:- Only Nine Samples Received and Tested |
| # 6 | Sample bend through 180 degrees Satisfactorily without any crack | |
| # 4 | Sample bend through 180 degrees Satisfactorily without any crack | |
| | | |

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

ESS-I-AAR Consultant

Test Performed By: Dr. /Engr. Asad Ali Gillani

Resident Engr.Chah Totan Wala,Jhang.(Rehabilitation/Impro. Of Sewerage System Jhang Ph-I)

Client Reference: 1207

SOM Lab 5641 (Page-

Ref: 1/1)

Dated: 24-12-2021

Dated: 07-01-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar

| S.No. | Weight | Dia. | | Area | | Yield Load | Ultimate Load | Yield Stress | | Ult. Stress | | Elongation | Gauge Length | %age Elongation | Remarks |
|-------|--------|---------|------------|-----------------|-----------------|------------|---------------|-----------------------------|------------------------------|-----------------------------|------------------------------|------------|--------------|-----------------|---------|
| | | Nominal | Calculated | Nominal | Calculated | | | (according to nominal area) | (according to measured area) | (according to nominal area) | (according to measured area) | | | | |
| | lb/ft | # | in | in ² | in ² | Tons | Tons | psi | psi | psi | psi | in | in | % | |
| 1 | 1.411 | 6 | 0.727 | 0.44 | 0.415 | 10.88 | 17.07 | 54520 | 57810 | 85590 | 90740 | 1.30 | 8.0 | 16.3 | |
| 2 | 1.411 | 6 | 0.727 | 0.44 | 0.415 | 10.83 | 16.94 | 54270 | 57530 | 84920 | 90040 | 1.00 | 8.0 | 12.5 | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

BEND TEST:

| | | |
|-----|--|---|
| # 6 | Sample bend through 180 degrees Satisfactorily without any crack | Note:- Only Three Samples Received and Tested |
| | | |
| | | |
| | | |

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Premier Developer & Builders

Test Performed By:

Dr. /Engr. Wasim Abbas

PM Lyallpur Galleria Head Office.(Lyallpur Galleria-II Near Four Season Colony Samundri Rd,FSD)

Client Reference: LG-II/004

SOM Lab 5642 (Page-

Ref: 1/1)

Dated: 06-01-2022

Dated: 07-01-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar

| S.No. | Weight | Dia. | | Area | | Yield Load | Ultimate Load | Yield Stress | | Ult. Stress | | Elongation | Gauge Length | %age Elongation | Remarks |
|-------|--------|---------|------------|-----------------|-----------------|------------|---------------|-----------------------------|------------------------------|-----------------------------|------------------------------|------------|--------------|-----------------|---------|
| | | Nominal | Calculated | Nominal | Calculated | | | (according to nominal area) | (according to measured area) | (according to nominal area) | (according to measured area) | | | | |
| | lb/ft | # | in | in ² | in ² | Tons | Tons | psi | psi | psi | psi | in | in | % | |
| 1 | 2.629 | 8 | 0.992 | 0.79 | 0.773 | 24.29 | 32.50 | 67820 | 69310 | 90730 | 92720 | 1.50 | 8.0 | 18.8 | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

BEND TEST:

| | | |
|-----|--|---|
| # 8 | Sample bend through 180 degrees Satisfactorily without any crack | Note:- Only Two Samples Received and Tested |
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| | | |

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk