DESCON Oxychem
Lahore.(DOL Oxychem Limited)

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

Client Reference: Nil
Dated: 17-03-2023
SOM Lab Ref: CED/SOM/1951(Page-1/2)
Dated: 20-03-2023
Test: Tension Test & Bend Test
Test Specification: ASTM-A 615
Sample Type: Deformed Bar
Gauge Length: 200 mm

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)				
	kg/m	mm	mm	mm^2	mm^2	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	2.276	20	19.22	314	290	159.00	196.50	506	549	625	678	30.0	200	15.0	
2	0.992	12	12.69	113	126	66.00	91.50	584	523	809	725	32.5	200	16.3	
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BEND TEST:

20mm	Sample bend through 180 degrees Satisfactorily without any crack
12mm	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Four Samples Received and Tested

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

DESCON Oxychem
Lahore.(DOL Oxychem Limited)

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

Client Reference: Nil
SOM Lab Ref: CED/SOM/1951(Page-2/2)
Test: Tension Test & Bend Test
Sample Type: Deformed Bar

Dated: 17-03-2023
Dated: 20-03-2023
Test Specification: ASTM-A 615
Gauge Length: 200 mm

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)				
	kg/m	mm	mm	mm^2	mm^2	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	1.000	12	12.72	113	127	72.70	87.50	643	573	774	689	27.5	200	13.8	
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BEND TEST:

12mm	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Two Samples Received and Tested

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

M Ahmad **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Kashmir Art & Steel Muzaffarabad.(Neelam-Jhelum Hydro Power Project)

Client Reference: Nil **Dated:** 20-03-2023

SOM Lab Ref: CED/SOM/1953(Page-1/1) **Dated:** 20-03-2023

Test: Tension Test & Bend Test **Test Specification:** ASTM-A 615

Sample Type: Deformed Bar **Gauge Length:** 200 mm

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)				
	kg/m	mm	mm	mm^2	mm^2	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.815	25	24.88	491	486	245.70	319.70	501	506	651	658	37.5	200	18.8	H#B-233
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BEND TEST:

--	No Bend test performed

Note:-

Only One Sample Received and Tested

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

Acrow Consultant Engineers **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Resident Engr Lahore.(Const Of Appartments Building at B-45 Gulberg III Lhr)

Client Reference: AC/B-45/05 **SOM Lab Ref:** 1952 (Page-1/1)

Dated: 20-03-2023 **Dated:** 20-03-2023

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	2.625	8	0.991	0.79	0.771	21.33	33.66	59540	61000	93970	96290	1.40	8.0	17.5	
2	2.612	8	0.989	0.79	0.768	21.15	33.46	59050	60740	93400	96080	1.30	8.0	16.3	
3	1.457	6	0.738	0.44	0.428	11.69	18.67	58610	60250	93610	96230	1.40	8.0	17.5	
4	1.568	6	0.766	0.44	0.461	11.72	18.50	58760	56090	92740	88510	1.50	8.0	18.8	
5	0.672	4	0.501	0.20	0.197	6.27	9.94	69130	70190	109600	111270	0.90	8.0	11.3	
6	0.671	4	0.501	0.20	0.197	6.12	9.84	67450	68470	108480	110130	1.00	8.0	12.5	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack
# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Nine Samples Received and Tested

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

Sheikhoo Steel **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Chief Technical Officer,Sheikhoo Sugar Mills (Steel Div) Anwar Abad Kot Addu,Muzaffargarh.

Client Reference: Nil **SOM Lab Ref:** 1955 (Page-1/1)

Dated: 17-03-2023 **Dated:** 20-03-2023

Test: Tension Test & Bend Test **Test Specification:** ASTM-A-615

Gauge Length: 8 inch **Sample Type:** Deformed Bar (Sheikhoo 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	2.640	8	0.994	0.79	0.776	25.25	33.35	70490	71760	93120	94800	1.40	8.0	17.5	
2	2.667	8	0.999	0.79	0.784	25.50	33.71	71200	71750	94110	94830	1.50	8.0	18.8	
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BEND TEST:

# 8	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

Saif-Ul-Haq Nazir
Manager Tech. Image-Tech Lahore.

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

Client Reference: Nil
Dated: 20-03-2023

SOM Lab Ref: 1956 (Page-1/1)
Dated: 20-03-2023

Test: Tension Test & Bend Test
Gauge Length: 8 inch

Test Specification: ASTM-A-615
Sample Type: Plain 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	2.592	8	0.985	0.79	0.762	21.27	30.55	59390	61580	85290	88420	0.50	8.0	6.3	
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BEND TEST:

--	No Bend test performed

Note:-

Only One Sample Received and Tested

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

Engr. Haseeb Afzal **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Project Manager HMB Devlopers Pvt Ltd.(Commercial Tower, FTC Lahore)

Client Reference: HMBDPL/S.O/03/23/18th(LHR) **SOM Lab Ref:** 1957 (Page-1/2)

Dated: 17-03-2023 **Dated:** 20-03-2023

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	2.655	8	0.997	0.79	0.780	25.18	32.98	70290	71190	92060	93240	1.60	8.0	20.0	(S-3)
2	2.647	8	0.995	0.79	0.778	26.45	34.30	73850	74990	95760	97240	1.40	8.0	17.5	(S-3)
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BEND TEST:

# 8	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

Engr. Haseeb Afzal **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Project Manager HMB Devlopers Pvt Ltd.(Commercial Tower, FTC Lahore)

Client Reference: HMBDPL/S.O/03/23/19th(LHR) **SOM Lab Ref:** 1957 (Page-2/2)

Dated: 17-03-2023 **Dated:** 20-03-2023

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	2.596	8	0.986	0.79	0.763	27.83	33.94	77690	80440	94770	98120	1.20	8.0	15.0	(S-2)
2	2.577	8	0.982	0.79	0.757	26.20	33.54	73140	76330	93630	97710	1.40	8.0	17.5	(S-2)
3	1.492	6	0.747	0.44	0.438	14.78	19.37	74090	74430	97080	97520	1.50	8.0	18.8	(S-1)
4	1.500	6	0.749	0.44	0.441	14.98	19.67	75110	74940	98610	98390	1.40	8.0	17.5	(S-1)
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack
# 6	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples Received and Tested

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

Abu Bakar Jamil,Site Engr
Enaara Developers Lahore.

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

Client Reference: Nil
Dated: 20-03-2023

SOM Lab Ref: 1958 (Page-1/1)
Dated: 20-03-2023

Test: Tension Test & Bend Test
Gauge Length: 8 inch

Test Specification: ASTM-A-615
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	2.632	8	0.992	0.79	0.773	25.89	35.88	72290	73870	100170	102380	1.20	8.0	15.0	
2	2.621	8	0.990	0.79	0.770	25.91	37.00	72340	74220	103300	105990	1.40	8.0	17.5	
3	1.518	6	0.754	0.44	0.446	14.85	20.31	74450	73450	101780	100410	1.10	8.0	13.8	
4	1.518	6	0.754	0.44	0.446	14.09	19.80	70620	69670	99230	97890	1.20	8.0	15.0	
5	0.669	4	0.501	0.20	0.197	6.34	8.31	69920	70990	91610	93010	1.10	8.0	13.8	
6	0.668	4	0.500	0.20	0.196	6.32	8.31	69700	71120	91610	93480	1.20	8.0	15.0	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack
# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Nine Samples Received and Tested

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

Sehreen Tabish **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Building Standards Lahore.(Project For Attock Petrol Pump)

Client Reference: GT/LTR/230320-024 **SOM Lab Ref:** 1959 (Page-1/1)

Dated: 20-03-2023 **Dated:** 20-03-2023

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	1.506	6	0.751	0.44	0.443	14.22	19.49	71280	70800	97690	97030	1.40	8.0	17.5	
2	0.672	4	0.501	0.20	0.197	5.27	8.26	58120	59000	91050	92440	1.30	8.0	16.3	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Four Samples Received and Tested

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

Engr Shahzad Khurram Khan **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

CRE Osmani & Compny (Pvt) Ltd.(Const Of B/Wall along Periphery of AIIC M-4 Moterway Fsd)

Client Reference: CRE/AIIC-05/Lab/284 **SOM Lab Ref:** 1960 (Page-1/3)

Dated: 16-03-2023 **Dated:** 20-03-2023

Test: Tension Test & Bend Test **Test Specification:** ASTM-A-615

Gauge Length: 8 inch **Sample Type:** Deformed Bar (Islamabad Premium)

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	1.063	5	0.630	0.31	0.312	10.11	13.66	71940	71480	97180	96560	1.20	8.0	15.0	
2	1.039	5	0.623	0.31	0.305	10.81	14.17	76880	78140	100810	102460	1.10	8.0	13.8	
3	0.672	4	0.501	0.20	0.197	6.78	9.43	74750	75890	103980	105560	1.00	8.0	12.5	
4	0.668	4	0.500	0.20	0.196	6.80	9.48	74980	76510	104540	106670	1.20	8.0	15.0	
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BEND TEST:

# 5	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples Received and Tested

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

Engr.Zia Shafqat Ali,PM **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

AHTC-AHTE(JV).(220/132KV 160MVA Auto-Transformer Bay At 220KV NTDC G/Station Khuzdar)

Client Reference: AHTC-AHTE(JV)/NOR-125-2022/296-99 **SOM Lab Ref:** 1961(Page-1/1)

Dated: 18-03-2023 **Dated:** 20-03-2023

Test: Tension Test & Bend Test **Test Specification:** ASTM-A-615 Deformed Bar (City Steel)

Gauge Length: 8 inch **Sample Type:**

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	1.643	6	0.784	0.44	0.483	15.55	20.41	77920	70990	102290	93190	1.50	8.0	18.8	
2	1.644	6	0.784	0.44	0.483	15.60	20.51	78180	71220	102800	93650	1.50	8.0	18.8	
3	1.083	5	0.636	0.31	0.318	10.45	13.05	74340	72470	92830	90490	1.40	8.0	17.5	
4	1.043	5	0.625	0.31	0.307	9.99	12.97	71070	71770	92250	93150	1.50	8.0	18.8	
5	0.672	4	0.501	0.20	0.197	6.01	8.18	66320	67330	90150	91530	1.10	8.0	13.8	
6	0.673	4	0.502	0.20	0.198	6.01	8.18	66320	66990	90150	91060	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 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:-

Only Nine Samples Received and Tested

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

Test Performed by: S. Asad Ali Gillani

Muhammad Sohaib Awais
Resident Engineer
NESPAK Lahore.
(Upgradation/Rehabilitation of Infrastructure in Industrial Zone, Phase -01, Part-A)

Client Reference No.: SA468/13/MSA/09/16 Dated: 17-03-2023

SOM Lab Ref: CED/SOM/1954 (Page 1/1) Dated: 20-03-2023

Test Type: Tensile Test

Sample Type: J.Bolt 25mm Diameter

Test Specification: ASTM – F-1554 **Gauge Length:** 50mm

Tensile Test Results

Sample No.	Weight (Kg/m)	Calculated Diameter (mm)	Yield Load (kN)	Ultimate Load (kN)	Yield Stress (MPa)	Ultimate Tensile Stress (MPa)	% Elongation
1	4.211	26.12	238.70	364.50	446	681	25.0
2	4.190	26.07	240.00	366.00	450	686	22.5

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

Test Performed by: S. Asad Ali Gillani

Engr Shahzad Khurram Khan
CRE Osmani & Compny (Pvt) Ltd.
(Const of B/Wall along Periphery of AIIC M-4 Moterway Fsd)

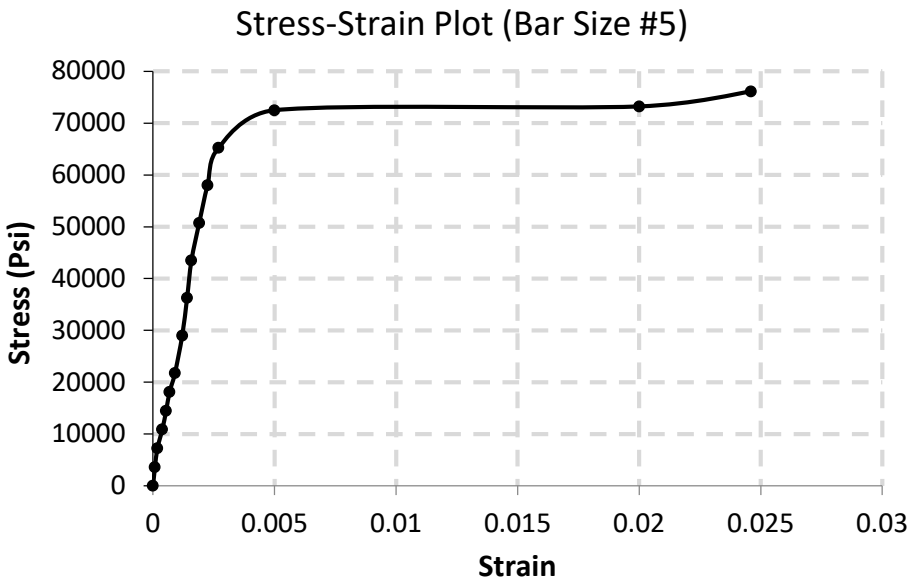
Client Reference No.: 'CRE/AIIC-05/Lab/284 Dated: 16-03-2023

SOM Lab Ref: CED/SOM/1960 (Page 2/3) Dated: 20-03-2023

Test Type: Stress Strain~Curve

Sample Type: Deformed Bar (Islamabad Premium)

Test Specification: ASTM-A-615



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

Test Performed by: S. Asad Ali Gillani

Engr Shahzad Khurram Khan
CRE Osmani & Compny (Pvt) Ltd.
(Const of B/Wall along Periphery of AIIC M-4 Moterway Fsd)

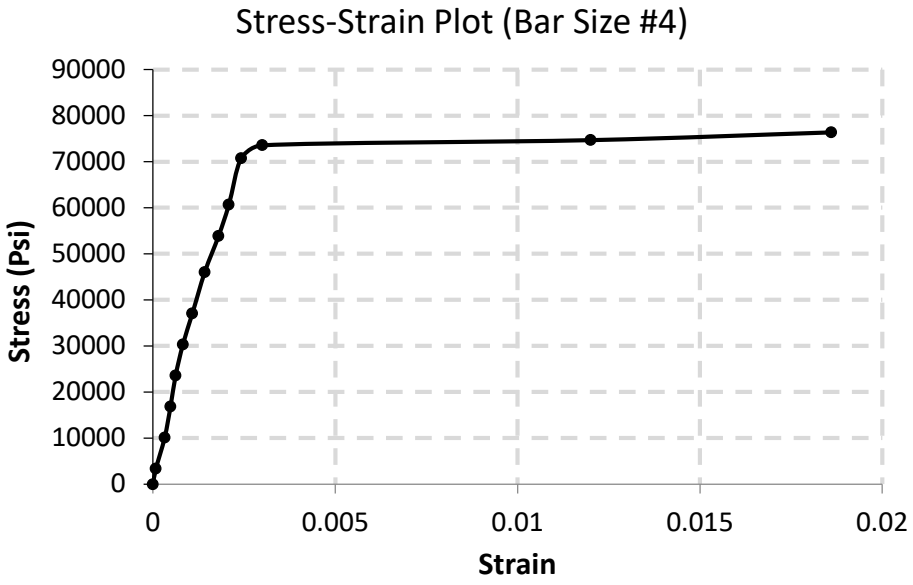
Client Reference No.: 'CRE/AIIC-05/Lab/284 Dated: 16-03-2023

SOM Lab Ref: CED/SOM/1960 (Page 3/3) Dated: 20-03-2023

Test Type: Stress Strain~Curve

Sample Type: Deformed Bar (Islamabad Premium)

Test Specification: ASTM-A-615



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