

Assistant Resident Engineer

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

JERS Consultancy (Pvt) Ltd.(Const Of General Bus Stand in MC Kamalia City)

Client Reference: 488-JO1-ARE/KML/GBS/01

SOM Lab

Ref:

3753 (Page-1/1)

Dated: 31-12-2023

Dated:

05-03-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Ravi 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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.489	6	0.747	0.44	0.438	17.07	20.31	85590	85980	101780	102250	1.30	8.0	16.3	
2	1.499	6	0.749	0.44	0.441	16.87	20.03	84560	84370	100400	100170	1.10	8.0	13.8	
3	0.659	4	0.497	0.20	0.194	6.39	8.53	70480	72660	94090	97000	1.10	8.0	13.8	
4	0.661	4	0.497	0.20	0.194	6.42	8.61	70820	73010	94990	97920	1.20	8.0	15.0	
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**BEND TEST:**

# 6	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Six Samples Received and Tested
# 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](http://www.uet-civil.edu.pk)

AK Smelters  
& Re-Rolling Mills (Pvt) Ltd. Gujranwala

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

Client Reference: Nil

SOM Lab

Ref: 3754 (Page-1/1)

Dated: 05-03-2024

Dated: 05-03-2024

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.511	6	0.752	0.44	0.444	14.22	22.45	71280	70640	112510	111500	1.00	8.0	12.5	
2	0.647	4	0.492	0.20	0.190	6.13	9.70	67560	71120	107010	112650	1.20	8.0	15.0	
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**BEND TEST:**

# 6	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Four Samples Received and Tested
# 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](http://www.uet-civil.edu.pk)

Engr. Naveed Sadiq  
 RE Orbit Developers.Lahore.(The Springs Atrium,Gulberg Lahore)

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

**Client Reference:** Nil

**SOM Lab**

**Ref:** 3755 (Page-1/1)

**Dated:** 04-03-2024

**Dated:** 05-03-2024

**Test:** Tension Test & Bend Test

**Test Specification:** ASTM-A-615

**Gauge Length:** 8 inch

**Sample Type:** Deformed Bar

ASTM-A-615

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.645	8	0.995	0.79	0.777	25.48	39.09	71150	72340	109140	110960	1.40	8.0	17.5	
2	2.686	8	1.002	0.79	0.789	25.45	38.91	71060	71150	108620	108760	1.30	8.0	16.3	
3	1.530	6	0.757	0.44	0.450	16.18	21.05	81090	79290	105510	103170	1.20	8.0	15.0	
4	1.523	6	0.755	0.44	0.448	16.11	21.07	80730	79290	105610	103730	1.50	8.0	18.8	
5	0.654	4	0.494	0.20	0.192	6.95	8.82	76660	79860	97230	101290	1.00	8.0	12.5	
6	0.654	4	0.494	0.20	0.192	7.46	9.35	82290	85710	103080	107370	1.10	8.0	13.8	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  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](http://www.uet-civil.edu.pk)

Engr.Atif Bashir,MCQ

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

EastGate Industries (Pvt) Ltd.Lahore.(Const. Of New Office Building at EGA-2 Gajumatta,Lahore)

**Client Reference:** Nil

**SOM Lab**

**Ref:** 3756(Page-1/1)

**Dated:** 05-03-2024

**Dated:** 05-03-2024

**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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.625	8	0.991	0.79	0.771	23.82	35.22	66510	68150	98320	100750	1.30	8.0	16.3	
2	1.523	6	0.755	0.44	0.448	14.90	19.67	74700	73370	98610	96850	1.20	8.0	15.0	
3	1.015	5	0.616	0.31	0.298	11.90	15.04	84630	88040	106970	111280	1.00	8.0	12.5	
4	0.673	4	0.502	0.20	0.198	7.54	9.81	83180	84020	108140	109230	1.00	8.0	12.5	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  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](http://www.uet-civil.edu.pk)