

Abdul Ghafar
Project Manager Liberty Builders, Lahore

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

Client Reference: ST/UET/ 20200615

SOM Lab

Ref: 2578(Page-1/1)

Dated: 15-06-2020

Dated: 15-06-2020

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar(Model 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	2.699	8	1.005	0.79	0.793	28.44	38.02	79400	79100	106150	105750	1.40	8.0	17.5	
2	2.633	8	0.993	0.79	0.774	25.35	34.96	70780	72240	97610	99630	1.10	8.0	13.8	
3	2.633	8	0.993	0.79	0.774	27.44	35.58	76610	78190	99320	101370	1.20	8.0	15.0	
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BEND TEST:

# 8	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

Project Manager, Aujla & AssociatesGujranwala

Dr. /Engr.

S. Asas Ali
Gillani

Client Reference: nil

Dated: 15-06-2020

Test: Tension Test & Bend Test

Test Specification:

SOM Lab

Ref:

2579(Page-1/1)

Dated:

15-06-2020

Gauge Length: 8 inch

Sample Type:

ASTM-A-615 Deformed Bar

[illegible]

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

Project Manager, Aujla & AssociatesGujranwala

Dr. /Engr.

S. Asas Ali
Gillani

Client Reference: nil

Dated: 15-06-2020

Test: Tension Test & Bend Test

Test Specification:

SOM Lab

Ref:

2580(Page-1/1)

Dated:

15-06-2020

Gauge Length: 8 inch

Sample Type:

ASTM-A-615 Deformed Bar

[illegible]

BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- 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

Wasim Abbas

Test Performed By:

Dr. /Engr.

Nauman
Khurram

Asst. Resident Engineer, NESPAK (Pvt) Ltd. R Y Khan (Const. of Flyover at Feroza Railway Station)

Client Reference: 3892/1ADP1920/Rahim Yar Khan/wa91A

SOM Lab Ref: 2581(Page-1/1)

Dated: 16-03-2020

Dated: 15-06-2020

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (SGI, SJ & T. 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	1.519	6	0.754	0.44	0.446	14.02	21.94	70260	69310	109960	108480	1.20	8.0	15.0	SGI
2	1.458	6	0.738	0.44	0.428	13.91	21.63	69750	71700	108420	111460	1.00	8.0	12.5	SGI
3	1.518	6	0.754	0.44	0.446	13.86	21.25	69490	68560	106530	105100	1.20	8.0	15.0	SJ
4	1.504	6	0.750	0.44	0.442	13.61	21.02	68210	67910	105360	104880	1.20	8.0	15.0	SJ
5	0.656	4	0.496	0.20	0.193	6.03	9.23	66550	68960	101730	105420	1.30	8.0	16.3	T Steel
6	0.649	4	0.493	0.20	0.191	6.78	10.06	74750	78280	110950	116180	1.50	8.0	18.8	T Steel
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BEND TEST:

# 6	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

Muhammad Waqas Anwar
Resident Engineer-I, NESPAK, Lahore

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

Client Reference: 3772/FMU/103/MWA/04/22

Dated: 11-06-2019

SOM Lab

Ref: 2582(Page-1/1)

Dated: 15-06-2020

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar(PAK 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	1.565	6	0.765	0.44	0.460	13.93	19.03	69850	66810	95400	91250	1.10	8.0	13.8	
2	1.576	6	0.768	0.44	0.463	14.04	19.37	70360	66870	97080	92260	1.20	8.0	15.0	
3	0.656	4	0.496	0.20	0.193	6.68	8.43	73630	76300	92960	96340	1.10	8.0	13.8	
4	0.648	4	0.492	0.20	0.190	6.75	8.56	74420	78330	94420	99390	1.10	8.0	13.8	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- 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

Syed Salman Liaqat
Resident Engineer, NESPAK (Pvt) Ltd., Jhall Road Flyover, Sahiwal

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

Client Reference: 4116/03/SSL/2020/53

Dated: 09-06-2020

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 2584(Page-1/1)

Dated: 15-06-2020

ASTM-A-615

Deformed Bar (SGI, 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	1.524	6	0.755	0.44	0.448	14.07	21.58	70510	69250	108170	106240	0.80	8.0	10.0	
2	0.735	4	0.524	0.20	0.216	6.39	9.84	70480	65260	108480	100440	0.90	8.0	11.3	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- 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