

Muhammad Shahzad Anwar  
Resident Engineer, NESPAK, (Pvt) Ltd. Bahawalpur)

Test Performed By: Dr. /Engr.

S. Asad Ali  
Gillani

Client Reference: RE/MSA/BHW/MY/72

Dated: 23-04-2021

SOM Lab

Ref: 4354(Page-1/1)

Dated: 28-05-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Prime 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	2.781	8	1.020	0.79	0.817	27.88	36.49	77830	75260	101880	98510	1.40	8.0	17.5	
2	2.672	8	1.000	0.79	0.785	27.93	35.95	77980	78470	100370	101010	1.50	8.0	18.8	
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Witnessed By: M. Kashif

**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Muhammad Shahbaz  
Imperium Hospitality (Pvt) Ltd. Lahore

Test Performed By: Dr. /Engr.

S. Asad Ali  
Gillani

Client Reference: IHPL/Steel/075

Dated: 26-05-2021

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 4311(Page-1/2)

Dated: 28-05-2021

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	1.467	6	0.741	0.44	0.431	15.90	20.90	79710	81370	104750	106930	1.10	8.0	13.8	
2	1.455	6	0.738	0.44	0.428	16.21	21.17	81240	83520	106130	109100	1.20	8.0	15.0	
3	1.471	6	0.742	0.44	0.432	15.29	20.87	76640	78060	104590	106530	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 Five Samples Received and Tested
# 6	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)

Muhammad Shahbaz  
Imperium Hospitality (Pvt) Ltd. Lahore

Test Performed By: Dr. /Engr.

S. Asad Ali  
Gillani

Client Reference: IHPL/Steel/076

Dated: 17-05-2021

SOM Lab

Ref: 4355(Page-2/2)

Dated: 28-05-2021

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

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	2.630	8	0.992	0.79	0.773	24.67	35.58	68870	70390	99320	101500	1.30	8.0	16.3	
2	2.621	8	0.990	0.79	0.770	24.62	35.76	68730	70510	99830	102420	1.30	8.0	16.3	
3	2.619	8	0.990	0.79	0.770	24.52	35.65	68440	70220	99520	102100	1.50	8.0	18.8	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Five Samples Received and Tested
# 8	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)

Project Manager

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

12-C Plote Construction of Residential Building, Gulberg-III, Lahore

Client Reference: C-12-01

SOM Lab

4356(Page-

Ref:

1/1)

Dated: 28-05-2021

Dated:

28-05-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Guage 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	1.495	6	0.748	0.44	0.439	12.94	17.86	64840	64990	89520	89720	1.30	8.0	16.3	
2	1.494	6	0.748	0.44	0.439	12.81	17.89	64230	64380	89670	89880	1.50	8.0	18.8	
3	0.662	4	0.498	0.20	0.195	5.63	7.92	62050	63640	87340	89580	1.10	8.0	13.8	
4	0.660	4	0.497	0.20	0.194	5.56	7.87	61270	63160	86780	89470	1.30	8.0	16.3	
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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)

Abdullah Hussain (Resident Engineer)

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

NESPAK Office, Street Ayesha Masjid Rawailpura(opposite Fateh Garh Agency) Sialkot

Client Reference: Nespak/SAH/UET/019A

SOM Lab 4357 (Page-1/1)

Dated: 28-05-2021

Dated: 28-05-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Guage Length: 8 inch

Sample Type: Deformed Bar(Kamran 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	1.021	5	0.618	0.31	0.300	9.63	13.10	68540	70820	93190	96300	1.20	8.0	15.0	
2	1.027	5	0.620	0.31	0.302	9.58	13.17	68170	69980	93700	96180	1.30	8.0	16.3	
3	0.647	4	0.492	0.20	0.190	5.73	8.23	63180	66500	90720	95490	1.40	8.0	17.5	
4	0.646	4	0.492	0.20	0.190	5.63	8.18	62050	65320	90150	94900	1.40	8.0	17.5	
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**BEND TEST:**

# 5	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)

Li Shi  
Manager, Sinohydro Corporation Limited, Pakistan

**Test Performed By:** Dr. /Engr. M. Irfan Ul Hassan

**Client Reference:** ADB-301B/2018/246

**SOM Lab**

**Ref:** 4359(Page-1/1)

**Dated:** 28-05-2021

**Dated:** 28-05-2021

**Test:** Tension Test & Bend Test

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

ASTM-A-615

**Gauge Length:** 8 inch

**Sample Type:** Deformed Bar

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	1.503	6	0.750	0.44	0.442	10.60	15.44	53140	52900	77410	77060	2.00	8.0	25.0	
2	1.468	6	0.741	0.44	0.431	9.12	13.66	45730	46690	68470	69900	1.60	8.0	20.0	
3	1.495	6	0.748	0.44	0.439	8.84	13.30	44300	44400	66680	66830	2.10	8.0	26.3	
4	1.493	6	0.748	0.44	0.439	9.07	13.53	45480	45580	67810	67960	2.10	8.0	26.3	
5	1.509	6	0.751	0.44	0.443	10.09	15.51	50590	50240	77770	77240	2.00	8.0	25.0	
6	1.506	6	0.751	0.44	0.443	10.11	15.44	50690	50350	77410	76890	1.70	8.0	21.3	
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**Witnessed By:** M. Zahid Sharif, NESPAK + BARQAAB

**BEND TEST:**

# 6	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	
# 6	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)

Li Shi  
 Manager, Sinohydro Corporation Limited, Pakistan

Test Performed By: Dr. /Engr.

S. Asad Ali  
 Gillani

Client Reference: ADB-301B/2018/246

Dated: 28-05-2021

SOM Lab

Ref: 4359(Page-1/1)

Dated: 28-05-2021

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.693	8	1.004	0.79	0.791	24.33	36.46	67930	67850	101800	101670	1.30	8.0	16.3	
2	2.675	8	1.000	0.79	0.786	24.03	32.95	67080	67420	91980	92450	1.50	8.0	18.8	
3	0.660	4	0.497	0.20	0.194	6.14	8.87	67670	69770	97800	100820	1.00	8.0	12.5	
4	0.661	4	0.497	0.20	0.194	6.24	8.87	68800	70920	97800	100820	1.20	8.0	15.0	
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**BEND TEST:**

# 8	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)