

Ali Zahid Latif

**Test Performed By:**

Dr. /Engr. Asad Ali Gillani

RE Nespak Lhr.(Remodelling Of Main Boulevard From Liberty Chowk to Kalma Chowk,CBD Square)

**Client Reference:** 4500/13/AZL/05/01

**SOM Lab**

**Ref:** 1243 (Page-1/1)

**Dated:** 10-11-2022

**Dated:** 14-11-2022

**Test:** Tension Test & Bend Test

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

**Gauge Length:** 8 inch

**Sample Type:**

Def. Bar (Batala Premium 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	2.586	8	0.984	0.79	0.760	24.41	32.90	68160	70850	91840	95460	1.40	8.0	17.5	
2	2.610	8	0.988	0.79	0.767	24.62	34.00	68730	70790	94910	97750	1.50	8.0	18.8	
3	1.458	6	0.738	0.44	0.428	16.26	19.62	81500	83780	98360	101120	1.30	8.0	16.3	
4	1.456	6	0.738	0.44	0.428	14.22	19.42	71280	73280	97340	100070	1.50	8.0	18.8	
5	0.669	4	0.501	0.20	0.197	6.49	8.58	71610	72700	94650	96090	1.30	8.0	16.3	
6	0.671	4	0.501	0.20	0.197	6.65	8.74	73290	74410	96340	97800	1.10	8.0	13.8	
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**Witnessed By:** Fahad Hussain ME (NESPAK), Engr Ishtiaq Ahmad ME (NLC)

**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)

Beacon Impex Pvt Ltd.

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Faisalabad.(Const Of Multi Storey Polyester Building at Beacon Impex II)

Client Reference: Nil

SOM Lab

Ref: 1244 (Page-1/1)

Dated: 14-11-2022

Dated: 14-11-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Kisan 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	2.629	8	0.992	0.79	0.773	24.14	35.78	67390	68870	99890	102090	1.20	8.0	15.0	
2	2.632	8	0.992	0.79	0.773	23.85	35.14	66590	68060	98100	100250	1.30	8.0	16.3	
3	1.438	6	0.734	0.44	0.423	15.49	20.29	77670	80790	101680	105770	1.00	8.0	12.5	
4	1.440	6	0.734	0.44	0.423	15.01	20.13	75210	78240	100910	104970	0.90	8.0	11.3	
5	1.042	5	0.624	0.31	0.306	11.13	15.04	79200	80230	106970	108370	1.20	8.0	15.0	
6	1.049	5	0.626	0.31	0.308	10.67	14.68	75930	76430	104430	105110	1.30	8.0	16.3	
7	0.665	4	0.498	0.20	0.195	6.42	8.63	70820	72640	95210	97650	1.00	8.0	12.5	
8	0.666	4	0.500	0.20	0.196	7.03	8.94	77560	79150	98580	100600	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 Twelve 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)

Muhammad Awais, Nespak RE

Test Performed By: Dr. /Engr. Safeer Abbas

(Const Superv Of Infrastruction Dev Works Of GEPCO Employees Housing Foundation Gujranwala)

Client Reference: P4265/22/MA/134

SOM Lab

Ref: 1245 (Page-1/1)

Dated: 12-11-2022

Dated: 14-11-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Farooq 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	1.477	6	0.743	0.44	0.434	13.48	21.33	67550	68480	106890	108370	1.20	8.0	15.0	
2	1.463	6	0.740	0.44	0.430	13.15	20.95	65910	67450	105000	107440	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 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)

Engr. Mian Mubashar Rafiq

**Test Performed By:**

**Dr. /Engr.**

Asad Ali Gillani

PM Union Developers Lhr.(const. Of Union Luxury Apartments,Etihad Town Lahore.)

**Client Reference:** UA/SO/2022/032

**SOM Lab**

**Ref:**

1246 (Page-1/1)

**Dated:** 14-11-2022

**Dated:**

14-11-2022

**Test:** Tension Test & Bend Test

**Test Specification:**

ASTM-A-615

**Gauge Length:** 8 inch

**Sample Type:**

Deformed Bar (Afco 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	2.646	8	0.995	0.79	0.778	26.35	34.63	73570	74700	96670	98160	1.20	8.0	15.0	
2	2.656	8	0.997	0.79	0.781	28.70	36.49	80110	81030	101880	103050	1.10	8.0	13.8	
3	1.481	6	0.744	0.44	0.435	15.90	20.03	79710	80630	100400	101560	1.00	8.0	12.5	
4	1.459	6	0.739	0.44	0.429	14.88	19.39	74600	76510	97180	99680	1.10	8.0	13.8	
5	0.663	4	0.498	0.20	0.195	7.46	8.92	82290	84390	98360	100880	1.20	8.0	15.0	
6	0.652	4	0.494	0.20	0.192	7.67	8.94	84530	88060	98580	102690	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 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 Ahsan Manzur  
Director Design Matrix Lahore.(E-SITE Project)

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

Client Reference: Nil

SOM Lab

Ref: 1247 (Page-1/1)

Dated: 10-11-2022

Dated: 14-11-2022

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	2.604	8	0.987	0.79	0.765	26.91	36.29	75130	77590	101310	104620	1.10	8.0	13.8	
2	2.612	8	0.989	0.79	0.768	27.78	36.39	77550	79770	101600	104510	1.20	8.0	15.0	
3	1.443	6	0.735	0.44	0.424	14.70	19.57	73680	76460	98100	101810	1.10	8.0	13.8	
4	1.447	6	0.736	0.44	0.425	14.90	19.13	74700	77340	95910	99290	1.00	8.0	12.5	
5	0.665	4	0.498	0.20	0.195	7.39	9.65	81500	83590	106450	109180	1.00	8.0	12.5	
6	0.661	4	0.497	0.20	0.194	7.39	9.65	81500	84020	106450	109740	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)

Muhammad Imran Khan

Test Performed By:

Dr. /Engr. Asad Ali Gillani

ME ECSP NNB.(Const Of Baba Guru Nanak University, Nankana Sahib)

Client Reference: ECSP/BGNUME/01

SOM Lab

Ref: 1248 (Page-1/1)

Dated: 14-11-2022

Dated: 14-11-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (SJ 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	1.604	6	0.774	0.44	0.471	14.95	20.00	74960	70030	100250	93650	1.30	8.0	16.3	
2	1.605	6	0.775	0.44	0.472	14.88	20.05	74600	69540	100500	93690	1.40	8.0	17.5	
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**BEND TEST:**

# 6	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)