

Fazal Ahmad, PM  
 FESCON Pvt Ltd JV Fazal Malik & Co. Lahore

**Test Performed By:** Dr. /Engr. Irfan UI Hassan

**Client Reference:** Nil  
**SOM Lab Ref:** CED/SOM/975(Page-1/1)

**Dated:** 26-09-2022

**Dated:** 26-09-2022

**Test:** Tension Test

**Test Specification:** ASTM-F-1554

**Sample Type:** J Bolt (450mmx18mm)

**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 <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	2.310	18	19.35	254	294	100.50	148.70	395	342	584	506	32.5	200	16.3	
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**BEND TEST:**

--	No Bend test performed	<b>Note:-</b>  Only One Sample 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)

AL Siraj Builders.  
Lahore Cantt.

Test Performed By: Dr. /Engr. Irfan UI Hasan

Client Reference: Nil

SOM Lab

Ref: 974 (Page-1/1)

Dated: 26-09-2022

Dated: 26-09-2022

Test: Tension Test & Bend Test

Test Specification: BS-4449

Gauge Length: 5 inch

Sample Type: Tor 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	2.651	8	0.996	0.79	0.779	23.45	29.82	65460	66380	83240	84420	0.50	5.0	10.0	
2	2.597	8	0.986	0.79	0.763	24.26	30.81	67730	70130	86000	89040	0.70	5.0	14.0	
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**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)

Asif Pervaiz Butt  
RE Ritz Developers Pvt. Ltd.

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

Client Reference: Nil  
Dated: 26-09-2022

SOM Lab  
Ref: 976 (Page-1/1)  
Dated: 26-09-2022

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

Test Specification: ASTM-A-615  
Sample Type: Deformed Bar (AF 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	0.641	4	0.489	0.20	0.188	7.49	9.02	82620	87900	99480	105830	0.90	8.0	11.3	
2	0.642	4	0.491	0.20	0.189	7.56	9.04	83410	88260	99710	105510	0.90	8.0	11.3	
3	0.675	4	0.502	0.20	0.198	6.14	8.18	67670	68360	90150	91060	1.00	8.0	12.5	
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**BEND TEST:**

# 4	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Four 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 Azmat ,RE

Test Performed By: Dr. /Engr. Irfan UI Hassan

Nespak-Turk Pak JV, MCH Bwn.(Estb Of 200 Bedded Mother And Child Hospital & Nursing College)

Client Reference: 4460/13/MA/04/43

SOM Lab

Ref: 977 (Page-1/1)

Dated: 19-09-2022

Dated: 26-09-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Faizan 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	2.656	8	0.997	0.79	0.781	26.12	33.66	72910	73750	93970	95050	1.20	8.0	15.0	
2	2.657	8	0.997	0.79	0.781	26.12	33.66	72910	73750	93970	95050	1.40	8.0	17.5	
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**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)

Naveed Ahmad

Test Performed By:

Dr. /Engr. Irfan UI Hasan

ME DHA Bahawalpur Cantonment.(Masjid Sec-B Multiline Engineering)

Client Reference: 530/QC/MTL

SOM Lab

Ref: 978 (Page-1/1)

Dated: 26-09-2022

Dated: 26-09-2022

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	2.602	8	0.987	0.79	0.765	24.41	32.11	68160	70390	89640	92570	1.40	8.0	17.5	
2	2.735	8	1.012	0.79	0.804	26.71	33.28	74560	73260	92920	91300	1.30	8.0	16.3	
3	1.446	6	0.736	0.44	0.425	13.46	19.11	67450	69830	95800	99190	1.20	8.0	15.0	
4	1.455	6	0.738	0.44	0.428	13.43	18.91	67290	69180	94780	97440	1.30	8.0	16.3	
5	0.642	4	0.491	0.20	0.189	6.32	8.48	69700	73750	93530	98970	1.40	8.0	17.5	
6	0.652	4	0.494	0.20	0.192	6.44	8.66	71040	74000	95550	99530	1.30	8.0	16.3	
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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. Hassan Mehmood

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

RE G3 Engg Consult.(Const.of DHA Newlife Residency Appartments at 273/1Q Block Ph-II DHA.Lhr)

Client Reference: G3/DHA-NLD/RE/105

SOM Lab

Ref: 979,981 (Page-1/2)

Dated: 24-09-2022

Dated: 26-09-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Al Moiz 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	1.498	6	0.748	0.44	0.440	13.61	19.42	68210	68210	97340	97340	1.30	8.0	16.3	
2	1.494	6	0.748	0.44	0.439	13.32	19.08	66780	66940	95650	95870	1.40	8.0	17.5	
3	1.497	6	0.748	0.44	0.440	13.46	19.27	67450	67450	96570	96570	1.40	8.0	17.5	
4	0.676	4	0.503	0.20	0.199	5.98	8.56	65990	66320	94420	94900	1.50	8.0	18.8	
5	0.675	4	0.502	0.20	0.198	5.83	8.53	64300	64950	94090	95040	1.30	8.0	16.3	
6	0.680	4	0.505	0.20	0.200	5.83	8.63	64300	64300	95210	95210	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 Eight 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. Hassan Mehmood

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

RE G3 Engg Consult.(Const.of DHA Newlife Residency Appartments at 273/1Q Block Ph-II DHA.Lhr)

Client Reference: G3/DHA-NLD/RE/106

SOM Lab

Ref: 979,981 (Page-2/2)

Dated: 24-09-2022

Dated: 26-09-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (AF 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	0.627	4	0.484	0.20	0.184	6.34	8.38	69920	76000	92400	100440	1.00	8.0	12.5	
2	0.625	4	0.484	0.20	0.184	5.73	7.82	63180	68670	86220	93720	0.90	8.0	11.3	
3	0.616	4	0.480	0.20	0.181	6.73	8.51	74190	81980	93860	103720	0.90	8.0	11.3	
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**BEND TEST:**

# 4	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Four 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)

Muddasir Ali  
Lahore

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

Client Reference: Nil

SOM Lab

Ref: 980 (Page-1/1)

Dated: 26-09-2022

Dated: 26-09-2022

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	2.616	8	0.990	0.79	0.769	24.26	33.84	67730	69580	94480	97060	1.30	8.0	16.3	
2	1.037	5	0.623	0.31	0.305	10.55	13.83	75060	76290	98410	100030	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 Four Samples Received and Tested
# 5	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 Adnan  
PM ICON Valley Lahore.

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

Client Reference: Nil  
Dated: 26-09-2022  
Test: Tension Test & Bend Test  
Gauge Length: 8 inch

SOM Lab  
Ref: 982 (Page-1/1)  
Dated: 26-09-2022  
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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.502	6	0.749	0.44	0.441	14.98	20.59	75110	74940	103210	102980	1.10	8.0	13.8	
2	1.454	6	0.737	0.44	0.427	14.58	20.36	73070	75290	102040	105140	1.00	8.0	12.5	
3	0.643	4	0.491	0.20	0.189	6.22	8.28	68570	72560	91280	96590	0.90	8.0	11.3	
4	0.656	4	0.496	0.20	0.193	5.78	8.12	63740	66050	89590	92840	1.10	8.0	13.8	
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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)

Engr. Javed Asad

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

CRE JIP Consultants.(Const.of Jalapur Irrigation Canal and Its System)(No.JIP/WkS/ICB/P1)

**Client Reference:** JIPIC/TECH/CRE/435

**SOM Lab**

**Ref:** 983(Page-1/1)

**Dated:** 23-09-2022

**Dated:** 26-09-2022

**Test:** Tension Test & Bend Test

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

**Gauge Length:** 8 inch

**Sample Type:** 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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.663	8	0.998	0.79	0.783	23.11	36.46	64520	65090	101800	102710	1.20	8.0	15.0	H#79
2	2.592	8	0.985	0.79	0.762	22.53	35.58	62890	65210	99320	102970	1.10	8.0	13.8	H#79
3	1.432	6	0.732	0.44	0.421	12.01	19.32	60190	62910	96830	101200	1.20	8.0	15.0	H#80
4	1.591	6	0.772	0.44	0.468	14.29	21.15	71640	67350	106020	99680	1.60	8.0	20.0	H#80
5	0.737	4	0.526	0.20	0.217	6.44	9.33	71040	65480	102860	94800	1.20	8.0	15.0	H#107
6	0.718	4	0.518	0.20	0.211	6.39	9.25	70480	66810	101960	96640	1.20	8.0	15.0	H#107
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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)

Manohar Lal

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

RE NESPAK Sarai Alamgir.(Const Of Flyover Rajjar Railway Crossing At Sarai Alamgir Distt Gujrat)

Client Reference: 103/GF/ML/Lab/02

SOM Lab

Ref: 984 (Page-1/1)

Dated: 20-09-2022

Dated: 26-09-2022

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	2.671	8	1.000	0.79	0.785	28.34	35.52	79120	79620	99180	99810	1.10	8.0	13.8	
2	2.642	8	0.994	0.79	0.776	28.24	35.32	78830	80250	98610	100390	1.20	8.0	15.0	
3	1.481	6	0.744	0.44	0.435	15.75	19.75	78940	79850	98970	100110	1.10	8.0	13.8	
4	1.487	6	0.746	0.44	0.437	16.00	19.95	80220	80770	99990	100680	1.00	8.0	12.5	
5	1.015	5	0.616	0.31	0.298	10.88	13.48	77380	80500	95880	99740	1.10	8.0	13.8	
6	1.018	5	0.617	0.31	0.299	10.30	12.95	73250	75940	92100	95490	1.00	8.0	12.5	
7	0.662	4	0.498	0.20	0.195	5.83	8.63	64300	65950	95210	97650	1.40	8.0	17.5	
8	0.660	4	0.497	0.20	0.194	5.83	8.63	64300	66290	95210	98160	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

**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)

Engr. Javed Asad

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

CRE JIP Consultants.(Const.of Jalapur Irrigation Canal and Its System)(No.JIP/WkS/ICB/P2)

**Client Reference:** JIPIC/TECH/P2/CRE/132

**SOM Lab**

**Ref:** 985(Page-1/1)

**Dated:** 23-09-2022

**Dated:** 26-09-2022

**Test:** Tension Test & Bend Test

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

**Gauge Length:** 8 inch

**Sample Type:** 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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.708	4	0.515	0.20	0.208	6.27	8.82	69130	66470	97230	93500	1.20	8.0	15.0	H#105
2	0.702	4	0.512	0.20	0.206	6.37	9.40	70260	68210	103640	100620	1.20	8.0	15.0	H#105
3	0.711	4	0.516	0.20	0.209	6.47	8.66	71380	68310	95550	91430	0.60	8.0	7.5	H#106
4	0.713	4	0.517	0.20	0.210	6.32	8.63	69700	66380	95210	90680	0.40	8.0	5.0	H#106
5	0.675	4	0.502	0.20	0.198	5.66	8.87	62390	63020	97800	98780	0.60	8.0	7.5	H#107
6	0.679	4	0.505	0.20	0.200	5.83	9.12	64300	64300	100610	100610	0.60	8.0	7.5	H#107
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

**BEND TEST:**

# 4	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Nine Samples Received and Tested
# 4	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)