

Engr. Javed Asad

**Test Performed By:**

Dr. /Engr.

Asad Ali Gillani

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

**Client Reference:** JIPIC/TECH/CRE/455

**Dated:** 05-12-2022

**SOM Lab Ref:** CED/SOM/1362(Page-1/1)

**Dated:** 06-12-2022

**Test:** Tension Test & Bend Test

**Test Specification:** ASTM-A 615

**Sample Type:** Deformed Bar (SGI Steel)

**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	1.403	16	15.10	201	179	87.20	133.50	434	488	664	746	32.5	200	16.3	
2	1.541	16	15.81	201	196	89.00	131.00	443	454	652	668	30.0	200	15.0	
3	1.006	12	12.78	113	128	58.00	91.20	513	453	806	712	32.5	200	16.3	
4	0.977	12	12.59	113	124	53.20	84.70	470	428	749	681	25.0	200	12.5	
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**BEND TEST:**

16mm	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Six Samples Received and Tested
12mm	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)

StarchPack (Pvt.) Ltd.

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Lead Civil Lahore.(StarchPack Green Project At Kasur)

Client Reference: Nil

Dated: 06-12-2022

SOM Lab Ref: CED/SOM/1366(Page-1/2)

Dated: 06-12-2022

Test: Tension Test &amp; Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar

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	3.979	25	25.41	491	507	266.50	350.00	543	526	713	691	40.0	200	20.0	
2	3.979	25	25.40	491	507	270.70	352.50	551	535	718	696	35.0	200	17.5	
3	2.432	20	19.86	314	310	163.00	210.80	519	527	671	681	37.5	200	18.8	
4	2.424	20	19.83	314	309	164.70	213.20	524	534	679	691	37.5	200	18.8	
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**BEND TEST:**

25mm Sample bend through 180 degrees Satisfactorily without any crack

20mm Sample bend through 180 degrees Satisfactorily without any crack

**Note:-**Only Six Samples  
Received and TestedNote: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

StarchPack (Pvt.) Ltd.  
Lead Civil Lahore.(StarchPack Green Project At Kasur)

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

**Client Reference:** Nil  
**SOM Lab Ref:** CED/SOM/1366(Page-2/2)

**Dated:** 06-12-2022

**Dated:** 06-12-2022

**Test:** Tension Test & Bend Test

**Test Specification:** ASTM-A 615

**Sample Type:** Deformed Bar

**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	0.890	12	12.00	113	113	57.70	73.70	510	511	652	653	30.0	200	15.0	
2	0.892	12	12.03	113	114	58.70	74.70	519	517	660	658	32.5	200	16.3	
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**BEND TEST:**

12mm	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)

Yasir Ahmad  
GM-Works FF Steel Lahore.

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

Client Reference: Nil  
Dated: 02-12-2022  
Test: Tension Test & Bend Test  
Gauge Length: 8 inch

SOM Lab  
Ref: 1359 (Page-1/1)  
Dated: 06-12-2022  
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	1.487	6	0.746	0.44	0.437	14.78	19.78	74090	74600	99130	99810	1.40	8.0	17.5	
2	1.496	6	0.748	0.44	0.440	14.90	19.69	74700	74700	98720	98720	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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**BEND TEST:**

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

Zahid Mughal  
C/O M/S Amanah Noor Residence Wapda Town, Lahore.

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

Client Reference: Nil

SOM Lab

Ref: 1360 (Page-1/1)

Dated: 05-12-2022

Dated: 06-12-2022

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	2.661	8	0.998	0.79	0.782	25.05	35.78	69920	70640	99890	100910	1.20	8.0	15.0	
2	1.495	6	0.748	0.44	0.439	13.71	19.59	68730	68880	98210	98430	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 Four 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)

Sub Divisional Officer,

**Test Performed By:**

**Dr. /Engr. Asad Ali Gillani**

HSD Mwi.(Const /Widening/Impro Of Rd From Pull DAS Hazar To Dera Lalay Khelan Wala)

**Client Reference:** 30/SDO/Mwi

**SOM Lab**

**Ref:** 1361 (Page-1/1)

**Dated:** 06-1-2022

**Dated:** 06-12-2022

**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	2.676	8	1.000	0.79	0.786	24.82	32.39	69300	69650	90410	90870	1.40	8.0	17.5	
2	2.674	8	1.000	0.79	0.786	21.07	31.52	58830	59120	87990	88440	1.50	8.0	18.8	
3	1.505	6	0.750	0.44	0.442	12.56	17.83	62950	62670	89370	88960	1.60	8.0	20.0	
4	1.502	6	0.749	0.44	0.441	15.16	19.11	75980	75810	95800	95590	1.10	8.0	13.8	
5	0.676	4	0.503	0.20	0.199	4.96	7.67	54750	55020	84530	84960	1.20	8.0	15.0	
6	0.673	4	0.502	0.20	0.198	4.59	7.08	50590	51100	78130	78920	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)

Ravi Construction Company

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

Manager Procurement Ravi Const.Lhr.(Orient Commercial Plaza at Plot # 34,Quaid-e-Azam Town)

Client Reference: UET/RCC/393/22

SOM Lab

Ref: 1363 (Page-1/1)

Dated: 06-12-2022

Dated: 06-12-2022

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	2.548	8	0.977	0.79	0.749	24.01	32.21	67020	70690	89930	94850	1.60	8.0	20.0	
2	2.545	8	0.976	0.79	0.748	23.90	31.96	66740	70480	89220	94230	1.40	8.0	17.5	
3	1.506	6	0.751	0.44	0.443	14.34	20.05	71890	71410	100500	99820	1.50	8.0	18.8	
4	1.499	6	0.749	0.44	0.441	14.29	19.98	71640	71470	100150	99920	1.40	8.0	17.5	
5	0.669	4	0.501	0.20	0.197	6.34	8.56	69920	70990	94420	95860	1.20	8.0	15.0	
6	0.672	4	0.501	0.20	0.197	6.17	8.58	68010	69050	94650	96090	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)

Manohar Lal

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

RE Nespak,Lahore(Dualization of Rd From Guj to M-2 Interchange at Kot Sarwar Via Hafizabad)

Client Reference: SA-466F/103/GH/ML/Lab/58

SOM Lab

Ref: 1364 (Page-1/1)

Dated: 05-12-2022

Dated: 06-12-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Plain 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	2.803	8	1.024	0.79	0.824	17.49	26.61	48840	46820	74280	71210	2.20	8.0	27.5	
2	2.794	8	1.022	0.79	0.821	17.43	26.30	48670	46830	73420	70650	2.10	8.0	26.3	
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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)



Hasan Associates

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Lahore.(EOBI Mix use Development Ptoject-66,trade Centre Johar town,Lahore)

Client Reference: HA/PRIMACO/0917/2kxxii

SOM Lab

Ref:

1365 (Page-1/1)

Dated: 28-11-2022

Dated:

06-12-2022

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	0.666	4	0.500	0.20	0.196	7.44	8.84	82060	83730	97460	99450	1.20	8.0	15.0	
2	0.666	4	0.500	0.20	0.196	7.26	8.69	80040	81670	95770	97730	1.20	8.0	15.0	
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**BEND TEST:**

# 4	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. Asad Ali Gillani

Client Reference: IHPL/Steel/226  
Dated: 02-12-2022  
Test: Tension Test & Bend Test  
Gauge Length: 8 inch

SOM Lab  
Ref: 1367 (Page-1/2)  
Dated: 06-12-2022  
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	0.676	4	0.503	0.20	0.199	6.85	8.92	75540	75920	98360	98850	1.20	8.0	15.0	
2	0.674	4	0.502	0.20	0.198	7.05	9.09	77790	78570	100270	101280	1.20	8.0	15.0	
3	0.672	4	0.501	0.20	0.197	7.00	9.60	77230	78400	105890	107500	1.10	8.0	13.8	
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Witnessed By: Engr. Ali Hussnain Khan (K.B) ,Engr.Rafi Ullah Bajwa

**BEND TEST:**

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

Muhammad Shahbaz  
Imperium Hospitality (Pvt) Ltd. Lahore.

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

Client Reference: IHPL/Steel/227  
Dated: 02-12-2022  
Test: Tension Test & Bend Test  
Gauge Length: 8 inch

SOM Lab  
Ref: 1367 (Page-2/2)  
Dated: 06-12-2022  
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	1.485	6	0.745	0.44	0.436	13.93	18.52	69850	70490	92840	93690	1.40	8.0	17.5	
2	1.469	6	0.742	0.44	0.432	14.04	18.50	70360	71660	92740	94460	1.40	8.0	17.5	
3	1.465	6	0.741	0.44	0.431	14.02	18.55	70260	71720	92990	94940	1.30	8.0	16.3	
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Witnessed By: Engr. Ali Hussnain Khan (K.B) ,Engr.Rafi Ullah Bajwa

**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)

Habib Ahmad  
Head Of Sales AL Moiz Industries Limited,Lahore.

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

Client Reference: Nil

SOM Lab

Ref: 1368 (Page-1/1)

Dated: 06-12-2022

Dated: 06-12-2022

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	0.676	4	0.503	0.20	0.199	6.44	8.94	71040	71400	98580	99080	1.30	8.0	16.3	
2	0.678	4	0.503	0.20	0.199	6.49	8.94	71610	71970	98580	99080	1.50	8.0	18.8	
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**BEND TEST:**

--	No Bend test performed	<b>Note:-</b>  Only Two 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 Irfan  
ME Banu Mukhtar Contracting(Pvt.) Ltd.(Burj-1 By AJWA Builders)

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

**Client Reference:** DOC-BMC/AJWA/030

**SOM Lab**

**Ref:** 1269 (Page-1/1)

**Dated:** 06-12-2022

**Dated:** 06-12-2022

**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	2.771	8	1.018	0.79	0.814	25.76	34.91	71920	69800	97470	94600	1.40	8.0	17.5	
2	2.752	8	1.015	0.79	0.809	26.61	35.39	74280	72530	98810	96490	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 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)