

Khalid Pervaiz

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Moaz Steel.(DESCON Engineering Ltd,K-IV Pumping Thatta Sindh Pakistan)

Client Reference: MZ/JV-DES/K4-PS/UET/003

Dated: 14-12-2023

SOM Lab Ref: CED/SOM/3355(Page-1/1)

Dated: 14-12-2023

Test: Tension Test

Test Specification: ASTM-F-1554

Sample Type: Anchor- Bolt (Round 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	4.138	25	25.90	491	527	315.50	394.20	643	599	803	749	18.8	200	9.4	
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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-Fazal Construction Company  
Estb Of RHC at Chak No.36-A/4-L Distt Okara

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

Client Reference: Nil

SOM Lab

Ref: 3356 (Page-1/1)

Dated: 14-12-2023

Dated: 14-12-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Sheikhoo 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	2.628	8	0.991	0.79	0.772	25.15	35.32	70210	71840	98610	100910	1.20	8.0	15.0	
2	2.628	8	0.991	0.79	0.772	25.56	35.29	71350	73010	98520	100820	1.30	8.0	16.3	
3	1.463	6	0.740	0.44	0.430	14.24	19.62	71380	73040	98360	100650	1.30	8.0	16.3	
4	1.482	6	0.745	0.44	0.436	14.19	19.59	71130	71780	98210	99110	1.30	8.0	16.3	
5	0.672	4	0.501	0.20	0.197	6.52	8.97	71940	73040	98920	100430	1.40	8.0	17.5	
6	0.667	4	0.500	0.20	0.196	6.44	8.94	71040	72490	98580	100600	1.40	8.0	17.5	
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**BEND TEST:**

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

Musabbeh Ahmad Randhawa

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

M/S Wajid Iqbal & Co Abbottabad.(Installation Of Biogas Plant at Gujjar Colony)

Client Reference: WIC/BOG/39

SOM Lab

Ref: 3357 (Page-1/1)

Dated: 14-12-2023

Dated: 14-12-2023

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	1.018	5	0.617	0.31	0.299	10.01	13.61	71220	73840	96820	100380	1.50	8.0	18.8	
2	0.664	4	0.498	0.20	0.195	6.60	8.51	72730	74600	93860	96270	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)

Professional Const.Services  
Lahore.(TCF Secondary School Chak# 263 E.B,Burewala)

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

Client Reference: PCS/23/Eng-241

SOM Lab

Ref: 3358 (Page-1/3)

Dated: 14-12-2023

Dated: 14-12-2023

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	2.653	8	0.997	0.79	0.780	28.05	35.19	78320	79320	98240	99500	1.00	8.0	12.5	
2	2.652	8	0.996	0.79	0.779	29.77	36.51	83100	84270	101940	103380	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)

Professional Const.Services  
Lahore.(TCF Secondary School Chak# 263 E.B,Burewala)

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

Client Reference: PCS/23/Eng-240

SOM Lab

Ref: 3358 (Page-2/3)

Dated: 14-12-2023

Dated: 14-12-2023

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	1.542	6	0.759	0.44	0.453	12.66	24.16	63460	61640	121100	117620	1.00	8.0	12.5	
2	1.523	6	0.755	0.44	0.448	16.43	20.34	82370	80900	101940	100120	1.00	8.0	12.5	
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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)

Professional Const.Services  
Lahore.(TCF Secondary School Chak# 263 E.B,Burewala)

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

Client Reference: PCS/23/Eng-239

SOM Lab

Ref: 3358 (Page-3/3)

Dated: 14-12-2023

Dated: 14-12-2023

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	0.662	4	0.498	0.20	0.195	6.22	7.70	68570	70330	84870	87050	1.20	8.0	15.0	
2	0.662	4	0.498	0.20	0.195	6.68	8.23	73630	75520	90720	93040	1.10	8.0	13.8	
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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)

Sub Divisional officer,  
 BSD Rsangla Hill.(Const Of Tehsil Complex Sangla Hill Distt Nankana Sahib)

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

**Client Reference:** 4265/SDO/BSD/SKT/S-H

**SOM Lab**

**Ref:** 3359 (Page-1/1)

**Dated:** 20-11-2023

**Dated:** 14-12-2023

**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	1.511	6	0.752	0.44	0.444	15.65	20.25	78430	77730	101530	100610	1.20	8.0	15.0	
2	0.662	4	0.498	0.20	0.195	5.76	7.56	63510	65140	83410	85550	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 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](http://www.uet-civil.edu.pk)

Yasir Ahmad  
GM-Works FF Steel Lahore.

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

Client Reference: Nil

SOM Lab

Ref: 3360 (Page-1/1)

Dated: 08-12-2023

Dated: 14-12-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (FF 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	1.475	6	0.743	0.44	0.433	14.12	18.57	70770	71910	93100	94600	1.30	8.0	16.3	1
2	1.478	6	0.743	0.44	0.434	14.22	18.60	71280	72270	93250	94540	1.50	8.0	18.8	2
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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)