

Sheikhoo Steel

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Director Projects Sheikhoo Sugar Mills (Steel Div),Anwar Abad Kot Addu,Muzaffargarh.

Client Reference: Nil

Dated: 12-08-2025

SOM Lab Ref: CED/SOM/1652(Page-1/1)

Dated: 13-08-2024

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar (Sheikhoo 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 ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.801	25	24.82	491	484	240.20	324.70	489	497	661	671	35.0	200	17.5	
2	2.435	20	19.88	314	310	156.70	210.00	499	506	668	677	32.5	200	16.3	
3	1.525	16	15.73	201	194	98.00	132.50	487	505	659	682	30.0	200	15.0	
4	0.874	12	11.91	113	111	59.20	76.00	523	532	672	683	32.5	200	16.3	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	<p>Note:-</p> <p>Only Eight Samples Received and Tested</p>
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
16mm	Sample bend through 180 degrees Satisfactorily without any crack	
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

Admin Manager
Malik Nawaz Javeed.(Const of Canal Walk 2)

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

Client Reference: Nil

SOM Lab

Ref: 1646 (Page-1/1)

Dated: 12-08-2025

Dated: 13-08-2025

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge 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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.684	8	1.002	0.79	0.789	31.80	39.81	88790	88900	111130	111270	1.00	8.0	12.5	
2	2.706	8	1.006	0.79	0.795	32.62	40.42	91070	90490	112840	112130	1.20	8.0	15.0	
3	1.508	6	0.751	0.44	0.443	13.51	19.34	67700	67240	96930	96270	1.20	8.0	15.0	
4	1.468	6	0.741	0.44	0.431	13.88	19.54	69590	71050	97950	100000	1.30	8.0	16.3	
5	0.680	4	0.505	0.20	0.200	6.52	9.07	71940	71940	100050	100050	1.20	8.0	15.0	
6	0.660	4	0.497	0.20	0.194	6.32	9.25	69700	71850	101960	105110	1.10	8.0	13.8	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six 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

Ahsan Rasheed
Syed Brothers (Pvt) Ltd. (4 Kanal Rehman Shaheed Road Gujrat)

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

Client Reference: Nil

SOM Lab

Ref: 1647(Page-1/1)

Dated: 12-08-2025

Dated: 13-08-2025

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.413	6	0.727	0.44	0.415	10.50	17.09	52630	55800	85690	90850	1.40	8.0	17.5	
2	0.560	4	0.458	0.20	0.165	4.03	6.34	44400	53820	69920	84750	1.30	8.0	16.3	
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BEND TEST:

--	No Bend test performed	Note:- Only Two Samples Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Assistant Project Director

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

PMU-SBP Faisalabad.(Estb of Sports Complex at Tehsil Pirmahal Distt Toba Tek Singh)

Client Reference: ADP/PMU/SBP/TEST/1111

SOM Lab

Ref:

1648 (Page-1/1)

Dated: 11-08-2025

Dated:

13-08-2025

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.505	6	0.750	0.44	0.442	13.51	21.10	67700	67400	105770	105290	1.30	8.0	16.3	
2	1.485	6	0.745	0.44	0.436	13.61	21.66	68210	68840	108580	109570	1.70	8.0	21.3	
3	0.667	4	0.500	0.20	0.196	5.86	9.02	64640	65960	99480	101510	1.40	8.0	17.5	
4	0.667	4	0.500	0.20	0.196	5.81	9.02	64080	65380	99480	101510	1.30	8.0	16.3	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- 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

Engr. Javed Asad

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

CRE JIP Consultants.(Jalapur Irrigation Canal and Its System)(PID Staff Colony Complex, Khewra)

Client Reference: JIPIC/TECH/CRE/PID/93

SOM Lab

Ref: 1649(Page-1/1)

Dated: 12-07-2025

Dated: 13-08-2025

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Def.Bar (Ittehad 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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.542	6	0.759	0.44	0.453	14.55	18.27	72910	70820	91560	88940	1.40	8.0	17.5	
2	1.551	6	0.762	0.44	0.456	14.29	18.17	71640	69120	91050	87860	1.30	8.0	16.3	
3	0.655	4	0.494	0.20	0.192	5.73	8.05	63180	65810	88800	92500	1.20	8.0	15.0	
4	0.656	4	0.496	0.20	0.193	5.63	8.10	62050	64300	89370	92610	1.10	8.0	13.8	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- 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

Engr. Ch. Liaqat Ali

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

RE G3 Engg Consult.(Const.Supervision for Const of New GOR,Near DHA Ph-IX Lhr)

Client Reference: G3/0304/1057

SOM Lab

Ref:

1650 (Page-1/1)

Dated: 07-08-2025

Dated:

13-08-2025

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge 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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.650	6	0.786	0.44	0.485	16.89	22.22	84670	76810	111390	101050	1.50	8.0	18.8	
2	1.641	6	0.783	0.44	0.482	16.89	22.24	84670	77290	111490	101780	1.40	8.0	17.5	
3	1.647	6	0.785	0.44	0.484	16.69	22.19	83640	76040	111230	101120	1.40	8.0	17.5	
4	0.651	4	0.493	0.20	0.191	6.85	9.02	75540	79100	99480	104170	1.10	8.0	13.8	
5	0.651	4	0.493	0.20	0.191	6.83	9.04	75320	78860	99710	104410	1.20	8.0	15.0	
6	0.657	4	0.496	0.20	0.193	6.78	9.12	74750	77470	100610	104260	1.10	8.0	13.8	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- 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