

Sheikhoo Steel

Test Performed By:

Dr. /Engr.

Nauman Khurram

Chief Technical Officer, Sheikhoo Sugar Mills (Steel Div) Anwar Abad Kot Addu, Muzaffargarh.

Client Reference: Nil

Dated: 17-11-2022

SOM Lab Ref: CED/SOM/1261(Page-1b/1)

Dated: 17-11-2022

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	2.435	20	19.87	314	310	190.70	231.00	607	616	735	746	30.0	200	15.0	
2	1.555	16	15.88	201	198	102.70	132.20	511	519	658	668	37.5	200	18.8	
3	0.878	12	11.94	113	112	47.50	66.70	420	425	590	597	30.0	200	15.0	
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Witnessed By: Nadeem Faisal (Manager Q/C), Saima Munir (AM Q/C)

BEND TEST:

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

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

Sheikhoo Steel

Test Performed By:

Dr. /Engr. Nauman Khurram

Chief Technical Officer, Sheikhoo Sugar Mills (Steel Div) Anwar Abad Kot Addu, Muzaffargarh.

Client Reference: Nil

SOM Lab

Ref: 1261 (Page-1a/1)

Dated: 17-11-2022

Dated: 17-11-2022

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.472	6	0.743	0.44	0.433	14.22	18.88	71280	72430	94630	96160	1.50	8.0	18.8	
2	0.652	4	0.494	0.20	0.192	5.61	8.05	61830	64400	88800	92500	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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Witnessed By: Nadeem Faisal (Manager Q/C), Saima Munir (AM Q/C)

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

Manohar Lal

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

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

Client Reference: SA-466F/103/GH/ML/Lab/46

SOM Lab

Ref: 1262 (Page-1/1)

Dated: 03-10-2022

Dated: 17-11-2022

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.669	8	0.999	0.79	0.784	26.57	34.02	74190	74760	94970	95690	1.00	8.0	12.5	
2	2.634	8	0.993	0.79	0.774	25.05	33.40	69920	71370	93260	95190	1.40	8.0	17.5	
3	1.499	6	0.749	0.44	0.441	13.12	18.09	65760	65610	90690	90490	1.10	8.0	13.8	
4	1.573	6	0.767	0.44	0.462	16.48	21.56	82620	78690	108070	102920	1.20	8.0	15.0	
5	0.663	4	0.498	0.20	0.195	6.75	8.94	74420	76320	98580	101110	1.30	8.0	16.3	
6	0.658	4	0.496	0.20	0.193	6.60	8.87	72730	75370	97800	101340	1.20	8.0	15.0	
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BEND TEST:

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

Sub Divisional officer,

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

Highway Sub Div DG Khan.(Const Of Pile Foundation Bridge With Approches at 3 Nos U-Turns)

Client Reference: 138

SOM Lab

Ref: 1263 (Page-1/1)

Dated: 10-09-2022

Dated: 17-11-2022

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.671	8	1.000	0.79	0.785	25.66	35.12	71630	72090	98040	98660	1.30	8.0	16.3	
2	2.670	8	1.000	0.79	0.785	25.35	34.83	70780	71230	97240	97860	1.30	8.0	16.3	
3	0.669	4	0.501	0.20	0.197	5.81	8.26	64080	65050	91050	92440	0.90	8.0	11.3	
4	0.672	4	0.501	0.20	0.197	5.91	8.36	65200	66190	92180	93580	1.00	8.0	12.5	
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BEND TEST:

# 8	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

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/029

SOM Lab

Ref: 1264 (Page-1/1)

Dated: 16-11-2022

Dated: 17-11-2022

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.675	4	0.502	0.20	0.198	6.68	9.09	73630	74370	100270	101280	1.00	8.0	12.5	
2	0.672	4	0.501	0.20	0.197	6.70	9.02	73850	74980	99480	101000	1.30	8.0	16.3	
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BEND TEST:

# 4	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Three Samples Received and Tested

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

Capital Contractor

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

Islamabad.(Fast (NU),Plot # 852-B,Faisal Town Lahore)(Const Of car Parking & Cafeteria)

Client Reference: Nil

SOM Lab

Ref: 1265 (Page-1a/1)

Dated: 17-11-2022

Dated: 17-11-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed 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	2.653	8	0.997	0.79	0.780	29.48	36.24	82300	83360	101170	102470	1.20	8.0	15.0	
2	2.646	8	0.995	0.79	0.778	28.63	35.65	79940	81170	99520	101050	1.10	8.0	13.8	
3	2.659	8	0.997	0.79	0.781	27.12	33.74	75700	76570	94200	95280	1.40	8.0	17.5	
4	2.661	8	0.998	0.79	0.782	28.44	35.75	79400	80210	99800	100820	1.20	8.0	15.0	
5	2.698	8	1.005	0.79	0.793	29.77	37.61	83100	82780	105010	104610	1.20	8.0	15.0	
6	2.666	8	0.998	0.79	0.783	31.77	38.91	88700	89500	108620	109600	1.00	8.0	12.5	
7	1.488	6	0.746	0.44	0.437	16.69	20.25	83640	84220	101530	102220	1.30	8.0	16.3	
8	1.465	6	0.741	0.44	0.431	16.59	20.80	83130	84870	104230	106410	1.40	8.0	17.5	
9	1.476	6	0.743	0.44	0.434	16.59	20.03	83130	84280	100400	101790	1.40	8.0	17.5	
10	1.484	6	0.745	0.44	0.436	17.28	21.15	86610	87400	106020	107000	1.30	8.0	16.3	

BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Fifteen Samples Received and Tested
# 8	Sample bend through 180 degrees Satisfactorily without any crack	
# 8	Sample bend through 180 degrees Satisfactorily without any crack	
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 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

Capital Contractor

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

Islamabad.(Fast (NU),Plot # 852-B,Faisal Town Lahore)(Const Of car Parking & Cafeteria)

Client Reference: Nil

SOM Lab

Ref: 1265 (Page-1b/1)

Dated: 17-11-2022

Dated: 17-11-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed 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	1.003	5	0.613	0.31	0.295	11.26	13.93	80140	84210	99140	104180	1.00	8.0	12.5	
2	1.033	5	0.622	0.31	0.304	11.67	14.07	83040	84680	100080	102060	1.10	8.0	13.8	
3	1.009	5	0.615	0.31	0.297	11.42	14.04	81230	84780	99860	104230	1.10	8.0	13.8	
4	1.002	5	0.612	0.31	0.294	11.31	13.97	80500	84880	99360	104760	1.10	8.0	13.8	
5	0.677	4	0.503	0.20	0.199	5.91	8.72	65200	65530	96110	96590	1.30	8.0	16.3	
6	0.681	4	0.505	0.20	0.200	5.88	8.70	64860	64860	95890	95890	1.20	8.0	15.0	
7	0.685	4	0.506	0.20	0.201	5.93	8.77	65420	65100	96670	96190	1.00	8.0	12.5	
8	0.663	4	0.498	0.20	0.195	6.01	8.72	66320	68020	96110	98580	1.10	8.0	13.8	
9	0.659	4	0.497	0.20	0.194	6.12	8.87	67450	69530	97800	100820	1.00	8.0	12.5	
10	0.672	4	0.501	0.20	0.197	6.42	9.60	70820	71900	105890	107500	1.20	8.0	15.0	

BEND TEST:

# 5	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Fifteen Samples Received and Tested
# 5	Sample bend through 180 degrees Satisfactorily without any crack	
# 4	Sample bend through 180 degrees Satisfactorily without any crack	
# 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

Capital Contractor

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

Islamabad.(Fast (NU),Plot # 852-B,Faisal Town Lahore)(Const Of car Parking & Cafeteria)

Client Reference: Nil

SOM Lab

Ref: 1265 (Page-1c/1)

Dated: 17-11-2022

Dated: 17-11-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed 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	2.650	8	0.996	0.79	0.779	23.87	31.37	66650	67590	87570	88800	1.40	8.0	17.5	
2	2.743	8	1.013	0.79	0.806	23.82	31.50	66510	65190	87940	86190	1.50	8.0	18.8	
3	2.625	8	0.991	0.79	0.771	24.26	31.93	67730	69400	89130	91330	1.40	8.0	17.5	
4	2.670	8	1.000	0.79	0.785	24.33	32.01	67930	68360	89360	89930	1.40	8.0	17.5	
5	2.598	8	0.986	0.79	0.763	31.19	38.81	87080	90160	108340	112170	1.30	8.0	16.3	
6	2.619	8	0.990	0.79	0.770	31.16	39.65	87000	89260	110700	113580	1.20	8.0	15.0	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine Samples Received and Tested
# 8	Sample bend through 180 degrees Satisfactorily without any crack	
# 8	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

Prof.DR.Engr.Abdulah Yasar,CE

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

GC Uni,Lhr.(Const Of Sheikh Abdul Al-Shadhili Re/Centre on Sufism Science & Tech GCU KSK)

Client Reference: GCU/Engr/3000/P

SOM Lab

Ref: 1267(Page-1/1)

Dated: 16-11-2022

Dated: 17-11-2022

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.639	8	0.994	0.79	0.776	24.46	36.49	68300	69530	101880	103720	1.10	8.0	13.8	
2	0.671	4	0.501	0.20	0.197	6.44	9.60	71040	72130	105890	107500	1.10	8.0	13.8	
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BEND TEST:

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

Raja Muhammad Aqeel

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Astt Dir.Building Section DHA Gujranwala.(Const Of Villas (Block-A & D)

Client Reference: 111/3/AD Bldgs/Gen/27

SOM Lab

Ref: 1268 (Page-1/1)

Dated: 15-11-2022

Dated: 17-11-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Siraj 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	0.676	4	0.503	0.20	0.199	6.47	9.55	71380	71740	105330	105860	1.00	8.0	12.5	
2	0.670	4	0.501	0.20	0.197	6.17	9.48	68010	69050	104540	106130	1.20	8.0	15.0	
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BEND TEST:

# 4	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Three Samples Received and Tested

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

Asif Shahzad

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Astt Project Engr. Building Section DHA Gujranwala. (Const Of Villas Block-A & D)

Client Reference: 111/3/APE Bldgs/GEN/28

SOM Lab

Ref:

1269 (Page-1/1)

Dated: 15-11-2022

Dated:

17-11-2022

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.663	4	0.498	0.20	0.195	6.09	7.67	67110	68830	84530	86700	0.90	8.0	11.3	
2	0.664	4	0.498	0.20	0.195	7.41	8.84	81720	83820	97460	99960	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

BEND TEST:

# 4	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Three Samples Received and Tested

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

Test Performed by: Dr Asad Ali Gillani

M.Nadeem

Ibrahim Nizami Steel Wire Ind.(Pvt.)Ltd,Lahore

Client Reference No.: Nil .

Dated: 17-11-2022

SOM Lab Ref: CED/SOM/1266

Dated: 17-11-2022

Test: Tensile Test

Sample Type: H.T Wire

Test Specification: ASTM-A – 82

Gauge Length: 50mm

Tension Test Results

Sr. No.	Mark	Weight	Dia	Area	Ultimate Load	Ultimate stress	Elongation
		Kg/m	(mm)	(mm ²)	KN	(Mpa)	%
1	82-B	0.147	4.92	19	35.20	1853	10.0
2	82-D	0.147	4.88	19	34.70	1853	10.0
3	82-N	0.146	4.87	19	34.70	1863	10.0

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