

Sheikhoo Steel

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

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

Client Reference: Nil

Dated: 14-11-2022

SOM Lab Ref: CED/SOM/1252(Page-1a/1)

Dated: 15-11-2022

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	2.448	20	19.93	314	312	145.00	199.50	462	465	635	640	37.5	200	18.8	
2	2.428	20	19.84	314	309	143.00	197.00	455	463	627	637	42.5	200	21.3	
3	0.875	12	11.92	113	112	50.00	70.00	442	449	619	628	30.0	200	15.0	
4	0.887	12	11.99	113	113	49.20	68.50	435	436	606	607	35.0	200	17.5	
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BEND TEST:

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

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

Sub Divisional officer,
 BSD No.20,Lhr.(Const Of Women Dev Office Complex Sabzazar Lahore)

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: 121/20th

SOM Lab

Ref: 1249 (Page-1/1)

Dated: 03-03-2022

Dated: 15-11-2022

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	2.740	8	1.012	0.79	0.805	21.36	31.60	59620	58510	88220	86580	1.50	8.0	18.8	
2	2.741	8	1.013	0.79	0.806	19.98	31.31	55780	54670	87420	85690	1.70	8.0	21.3	
3	1.459	6	0.739	0.44	0.429	12.81	19.47	64230	65880	97590	100090	1.10	8.0	13.8	
4	1.463	6	0.740	0.44	0.430	12.54	19.32	62850	64310	96830	99080	1.20	8.0	15.0	
5	0.672	4	0.501	0.20	0.197	5.63	8.41	62050	63000	92740	94150	1.10	8.0	13.8	
6	0.672	4	0.501	0.20	0.197	5.56	8.36	61270	62200	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 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

Muhammad Shoaib Aqeel

Test Performed By:

Dr. /Engr.

Nauman Khurram

Superintendent Of Police,Focal Person,Dev Schemes Police College Sihala Rawalpindi.

Client Reference: 10107/PCS

SOM Lab

Ref:

1250 (Page-1/1)

Dated: 12-11-2022

Dated:

15-11-2022

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	2.629	8	0.992	0.79	0.773	24.82	35.24	69300	70820	98380	100540	1.30	8.0	16.3	
2	2.618	8	0.990	0.79	0.769	24.43	34.27	68220	70080	95680	98290	1.40	8.0	17.5	
3	1.460	6	0.739	0.44	0.429	12.95	18.91	64890	66560	94780	97210	1.60	8.0	20.0	
4	1.490	6	0.747	0.44	0.438	14.07	20.51	70510	70840	102800	103270	1.30	8.0	16.3	
5	0.674	4	0.502	0.20	0.198	6.47	8.74	71380	72100	96340	97310	1.30	8.0	16.3	
6	0.672	4	0.501	0.20	0.197	6.80	9.02	74980	76120	99480	101000	1.40	8.0	17.5	
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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. Nauman Khurram

PHE: Sub Div-I Mianwali.(Provision Of Sewerage Drainage,Tuff Tile & PCC In Wan Bhachran Town)

Client Reference: 390/MI-I

SOM Lab

Ref: 1251 (Page-1/2)

Dated: 27-08-2022

Dated: 15-11-2022

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	1.274	6	0.690	0.44	0.374	10.40	16.08	52120	61320	80580	94800	1.20	8.0	15.0	
2	0.674	4	0.502	0.20	0.198	4.13	5.91	45530	45990	65200	65860	1.30	8.0	16.3	
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BEND TEST:

# 6	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

Sub Divisional officer,

Test Performed By: Dr. /Engr. Nauman Khurram

PHE: Sub Div-I Mianwali.(Provision Of Sewerage Drainage,Tuff Tile & PCC In Wan Bhachran Town)

Client Reference: 265/MI-I

SOM Lab

Ref: 1251 (Page-2/2)

Dated: 30-05-2022

Dated: 15-11-2022

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	1.267	6	0.688	0.44	0.372	10.50	16.02	52630	62250	80320	95000	1.20	8.0	15.0	
2	0.669	4	0.501	0.20	0.197	3.74	5.71	41260	41890	62950	63910	1.10	8.0	13.8	
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BEND TEST:

# 6	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

Sheikhoo Steel

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

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

Client Reference: Nil

SOM Lab

Ref: 1252 (Page-1b/1)

Dated: 14-11-2022

Dated: 15-11-2022

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	1.493	6	0.748	0.44	0.439	14.48	19.39	72560	72720	97180	97410	1.20	8.0	15.0	
2	1.493	6	0.748	0.44	0.439	14.75	19.57	73940	74100	98100	98330	1.20	8.0	15.0	
3	0.670	4	0.501	0.20	0.197	5.89	8.26	64970	65960	91050	92440	1.30	8.0	16.3	
4	0.660	4	0.497	0.20	0.194	5.50	7.70	60700	62580	84870	87500	1.50	8.0	18.8	
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BEND TEST:

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

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

Umair Ahmad
Project Manager. DHA Gujranwala. (Executive Block)

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: 111/15/PM/RS/Exec B/35

SOM Lab

Ref: 1253 (Page-1/1)

Dated: 14-11-2022

Dated: 15-11-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (SJ 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	0.683	4	0.506	0.20	0.201	6.93	9.14	76440	76060	100830	100330	1.20	8.0	15.0	
2	0.692	4	0.508	0.20	0.203	6.80	9.09	74980	73870	100270	98790	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

Ehsan-Ullah-Saad

Test Performed By:

Dr. /Engr.

Nauman Khurram

PM Zaheer Associate (AR Developers).(Overhead Water Tank Al-Rehman Garden Sialkot)

Client Reference: Z.A/A.R/34-22

SOM Lab

Ref:

1254 (Page-1/1)

Dated: 15-11-2022

Dated:

15-11-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Mehboob 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	1.524	6	0.755	0.44	0.448	15.49	19.95	77670	76280	99990	98210	1.10	8.0	13.8	
2	1.528	6	0.756	0.44	0.449	13.61	18.01	68210	66850	90290	88480	1.40	8.0	17.5	
3	1.041	5	0.624	0.31	0.306	10.30	13.32	73250	74210	94790	96030	1.30	8.0	16.3	
4	1.054	5	0.628	0.31	0.310	11.79	14.09	83910	83910	100230	100230	1.20	8.0	15.0	
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BEND TEST:

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

Engr. Major Zia-UI-Islam ®

Test Performed By:

Dr. /Engr. Asad Ali Gillani

PD GCC,Overseas Const.Co, Lahore.(Project Gulberg City Cerntr, Lahore)

Client Reference: REF-OCC/Steel/12

SOM Lab

Ref: 1255 (Page-1/2)

Dated: 15-11-2022

Dated: 15-11-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Batala Premium)

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	2.654	8	0.997	0.79	0.780	25.13	31.96	70150	71050	89220	90360	1.40	8.0	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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BEND TEST:

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

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

Engr. Major Zia-UI-Islam ®

Test Performed By:

Dr. /Engr. Asad Ali Gillani

PD GCC,Overseas Const.Co, Lahore.(Project Gulberg City Cerntrre, Lahore)

Client Reference: REF-OCC/Steel/11

SOM Lab

Ref: 1255 (Page-2/2)

Dated: 15-11-2022

Dated: 15-11-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Afco 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	2.611	8	0.988	0.79	0.767	25.05	35.22	69920	72020	98320	101270	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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BEND TEST:

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

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

Sub Divisional officer,

Test Performed By:

Dr. /Engr.

Nauman Khurram

BSD Pattoki.(Additional Facilities at Govt Degree College Phool Nagar For Girls Tehsil Pattoki)

Client Reference: 29/P

SOM Lab

Ref:

1257 (Page-1/1)

Dated: 28-08-2022

Dated:

16-11-2022

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	2.765	8	1.017	0.79	0.813	28.29	38.07	78970	76740	106290	103280	1.30	8.0	16.3	
2	2.717	8	1.008	0.79	0.798	26.66	34.58	74420	73670	96530	95560	1.40	8.0	17.5	
3	1.504	6	0.750	0.44	0.442	14.09	18.88	70620	70300	94630	94200	1.50	8.0	18.8	
4	1.513	6	0.753	0.44	0.445	13.53	19.08	67810	67040	95650	94580	1.30	8.0	16.3	
5	0.672	4	0.501	0.20	0.197	5.93	8.02	65420	66420	88470	89810	1.40	8.0	17.5	
6	0.672	4	0.501	0.20	0.197	6.63	8.84	73070	74180	97460	98940	1.30	8.0	16.3	
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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