

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 : 17-08-2023

SOM Lab Ref: CED/SOM/2718(Page-1c/1)

Dated : 22-08-2023

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	0.883	12	12.00	113	113	55.00	75.00	486	487	663	664	32.5	200	16.3	R-734
2	0.888	12	12.00	113	113	56.20	75.00	497	497	663	663	35.0	200	17.5	R-813
3	0.887	12	11.99	113	113	55.20	74.20	488	489	656	657	37.5	200	18.8	R-815
4	0.887	12	11.99	113	113	53.20	74.00	470	471	654	655	32.5	200	16.3	R-816
5	0.889	12	12.01	113	113	56.20	77.00	497	497	681	681	35.0	200	17.5	R-817
6	0.877	12	11.93	113	112	56.00	74.70	495	502	660	669	32.5	200	16.3	R-819
7	0.892	12	12.03	113	114	55.20	74.20	488	486	656	654	35.0	200	17.5	R-820
8	0.890	12	12.02	113	113	56.20	74.50	497	496	659	657	30.0	200	15.0	R-821
9	0.884	12	11.97	113	113	56.20	75.50	497	500	668	671	35.0	200	17.5	R-829
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

BEND TEST:

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

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

Aamir Shahzad
Alvi

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

PM High-Q Constructions Lhr.(Const Of High-Q Mall at 3-A Gulberg II Lahore)

Client Reference: QC/HQ/CIVIL/125

Dated : 22-08-2023

SOM Lab Ref: CED/SOM/2721(Page-1/1)

Dated : 22-08-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar

Gauge Length: 200 m

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	m	%	
1	2.488	20	20.09	314	317	136.70	192.70	435	432	613	608	37.5	200	18.8	
2	2.435	20	19.87	314	310	147.20	195.50	469	475	622	631	40.0	200	20.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

20mm	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

MIDCITY Housing Pvt. Ltd

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

Chief Engineer MIDCITY Lahore.(Over Head Water Tank (150000 G) In Midcity Housing Lhr)

Client Reference: MCH/UET/08/2023/01

SOM Lab

Ref: 2717 (Page-1/1)

Dated: 21-Aug 2023

Dated: 22-08-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

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	2.652	8	0.996	0.79	0.779	31.19	40.52	87080	88310	113120	114720	1.20	8.00	15.00	
2	2.661	8	0.998	0.79	0.782	31.09	40.44	86800	87690	112890	114050	1.40	8.00	17.05	
3	2.663	8	0.998	0.79	0.783	30.58	40.21	85380	86140	112270	113270	1.30	8.00	16.03	
4	1.529	6	0.756	0.44	0.449	16.79	20.64	84160	82470	103470	101390	1.30	8.00	16.03	
5	1.527	6	0.756	0.44	0.449	16.16	20.10	80990	79360	100760	98740	1.10	8.00	13.08	
6	1.529	6	0.756	0.44	0.449	16.56	20.51	83030	81370	102800	100740	1.20	8.00	15.00	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

--	No Bend test performed	Note:- Only Six 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. Asad Ali Gillani

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

Client Reference: Nil

SOM Lab

Ref: 2718 (Page-1a/1)

Dated: 17-08-2023

Dated: 22-08-2023

Test: Tension Test Test
inc

Test Specification: ASTM-A-615

Gauge Length: 8 h

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.661	4	0.497	0.20	0.194	6.75	8.87	74420	76720	97800	100820	1.30	8.00	16.3	R-829
2	0.651	4	0.493	0.20	0.191	6.57	8.94	72510	75920	98580	103230	1.30	8.00	16.3	R-830
3	0.652	4	0.494	0.20	0.192	6.65	8.92	73290	76350	98360	102460	1.20	8.00	15.0	R-832
4	0.656	4	0.496	0.20	0.193	6.65	8.82	73290	75950	97230	100760	1.20	8.00	15.0	R-833
5	0.653	4	0.494	0.20	0.192	6.68	8.79	73630	76700	96900	100930	1.30	8.00	16.3	R-834
6	0.654	4	0.494	0.20	0.192	6.65	8.87	73290	76350	97800	101870	1.20	8.00	15.0	R-835
7	0.661	4	0.497	0.20	0.194	6.83	9.04	75320	77650	99710	102790	1.30	8.00	16.3	R-836
8	0.660	4	0.497	0.20	0.194	6.54	8.82	72170	74400	97230	100240	1.20	8.00	15.0	R-837
9	0.658	4	0.496	0.20	0.193	6.78	8.87	74750	77470	97800	101340	1.10	8.00	13.8	R-840
10	0.660	4	0.497	0.20	0.194	6.65	8.92	73290	75560	98360	101400	1.30	8.00	16.3	R-841

BEND TEST:

--	No Bend test performed	Note:- Only Ten 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. Asad Ali Gillani

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

SOM Lab

Client Reference: Nil

Ref: 2718 (Page-1b/1)

Dated: 17-08-2023

Dated: 22-08-2023

Test: Tension Test Test
inc

Test Specification: ASTM-A-615

Gauge Length: 8 h

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.664	4	0.498	0.20	0.195	6.60	8.97	72730	74600	98920	101460	1.30	8.00	16.3	R-842
2	0.661	4	0.497	0.20	0.194	6.83	8.92	75320	77650	98360	101400	1.20	8.00	15.0	R-843
3	0.662	4	0.498	0.20	0.195	6.49	8.92	71610	73440	98360	100880	1.40	8.00	17.5	R-844
4	0.663	4	0.498	0.20	0.195	6.52	9.02	71940	73790	99480	102030	1.30	8.00	16.3	R-845
5	0.661	4	0.497	0.20	0.194	6.63	8.87	73070	75330	97800	100820	1.20	8.00	15.0	R-846
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

--	No Bend test performed	Note:- Only Five 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. Asad Ali Gillani

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

Client Reference: Nil

SOM Lab

Ref: 2719 (Page-1a/1)

Dated: 20-08-2023

Dated: 22-08-2023

Test: Tension Test Test
inc

Test Specification: ASTM-A-615

Gauge Length: 8 h

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.654	4	0.494	0.20	0.192	6.42	8.87	70820	73770	97800	101870	1.20	8.00	15.00	R-852
2	0.655	4	0.494	0.20	0.192	6.60	8.87	72730	75760	97800	101870	1.20	8.00	15.00	R-853
3	0.658	4	0.496	0.20	0.193	6.47	8.66	71380	73970	95550	99010	1.30	8.00	16.03	R-854
4	0.655	4	0.494	0.20	0.192	6.44	8.69	71040	74000	95770	99760	1.30	8.00	16.03	R-855
5	0.660	4	0.497	0.20	0.194	6.49	8.79	71610	73820	96900	99890	1.30	8.00	16.03	R-856
6	0.658	4	0.496	0.20	0.193	6.63	8.79	73070	75720	96900	100410	1.20	8.00	15.00	R-857
7	0.658	4	0.496	0.20	0.193	6.49	8.69	71610	74200	95770	99250	1.30	8.00	16.03	R-858
8	0.655	4	0.494	0.20	0.192	6.70	8.79	73850	76930	96900	100930	1.30	8.00	16.03	R-859
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

--	No Bend test performed	Note:- Only Eight 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. Asad Ali Gillani

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

SOM Lab

Client Reference: Nil

Ref: 2719 (Page-1b/1)

Dated: 20-08-2023

Dated: 22-08-2023

Test: Tension Test Test

Test Specification: ASTM-A-615

Gauge Length: 8 h inc

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.654	4	0.494	0.20	0.192	6.75	8.79	74420	77520	96900	100930	1.30	8.00	16.3	R-860
2	0.654	4	0.494	0.20	0.192	6.57	8.69	72510	75530	95770	99760	1.30	8.00	16.3	R-861
3	0.662	4	0.498	0.20	0.195	6.66	8.72	73410	75290	96110	98580	1.30	8.00	16.3	R-863
4	0.657	4	0.496	0.20	0.193	6.57	8.84	72510	75140	97460	100990	1.10	8.00	13.8	R-864
5	0.663	4	0.498	0.20	0.195	6.68	9.02	73630	75520	99480	102030	1.10	8.00	13.8	R-865
6	0.657	4	0.496	0.20	0.193	6.78	8.79	74750	77470	96900	100410	1.10	8.00	13.8	R-866
7	0.660	4	0.497	0.20	0.194	6.57	8.77	72510	74750	96670	99660	1.10	8.00	13.8	R-867
8	0.661	4	0.497	0.20	0.194	6.49	8.89	71610	73820	98020	101050	1.30	8.00	16.3	R-868
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

--	No Bend test performed	Note:- Only Eight 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. Asad Ali Gillani

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

Client Reference: Nil

SOM Lab

Ref: 2719 (Page-1c/1)

Dated: 20-08-2023

Dated: 22-08-2023

Test: Tension Test Test
inc

Test Specification: ASTM-A-615

Gauge Length: 8 h

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.657	4	0.496	0.20	0.193	6.42	8.89	70820	73390	98020	101580	1.30	8.0	16.3	R-869
2	0.658	4	0.496	0.20	0.193	6.49	8.69	71610	74200	95770	99250	1.10	8.0	13.8	R-871
3	0.661	4	0.497	0.20	0.194	6.65	8.84	73290	75560	97460	100470	1.10	8.0	13.8	R-872
4	0.661	4	0.497	0.20	0.194	6.47	8.84	71380	73590	97460	100470	1.30	8.0	16.3	R-873
5	0.657	4	0.496	0.20	0.193	6.54	8.63	72170	74790	95210	98660	1.10	8.0	13.8	R-874
6	0.656	4	0.496	0.20	0.193	6.44	8.74	71040	73620	96340	99830	1.30	8.0	16.3	R-875
7	0.658	4	0.496	0.20	0.193	6.39	8.72	70480	73040	96110	99600	1.30	8.0	16.3	R-876
8	0.654	4	0.494	0.20	0.192	6.54	8.92	72170	75180	98360	102460	1.30	8.0	16.3	R-877
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

--	No Bend test performed	Note:- Only Eight 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. Asad Ali Gillani
 Director Projects, Sheikhoo Sugar Mills (Steel Div),Anwar Abad Kot Addu,Muzaffargarh.

Client Reference: Nil SOM Lab
 Dated: 20-08-2023 Ref: 2719 (Page-1d/1)
Dated: 22-08-2023

Test: Tension Test Test Test Specification: ASTM-A-615

Gauge Length: 8 h 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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.657	4	0.496	0.20	0.193	6.54	8.87	72170	74790	97800	101340	1.20	8.00	15.00	R-878
2	0.656	4	0.496	0.20	0.193	6.54	8.92	72170	74790	98360	101930	1.30	8.00	16.30	R-879
3	0.661	4	0.497	0.20	0.194	6.34	8.92	69920	72080	98360	101400	1.30	8.00	16.30	R-880
4	0.660	4	0.497	0.20	0.194	6.52	8.77	71940	74170	96670	99660	1.20	8.00	15.00	R-881
5	0.662	4	0.498	0.20	0.195	6.34	8.69	69920	71710	95770	98230	1.20	8.00	15.00	R-882
6	0.657	4	0.496	0.20	0.193	6.37	8.63	70260	72810	95210	98660	1.30	8.00	16.30	R-883
7	0.662	4	0.498	0.20	0.195	6.42	8.74	70820	72640	96340	98810	1.30	8.00	16.30	R-884
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

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

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

Abid Majid Iron Store
Lahore.

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

Client Reference: 117

SOM Lab

Ref: 2720 (Page-1/1)

Dated: 22-Aug 2023

Dated: 22-08-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

Sample Type:

Deformed Bar (Islamabad
Supreme)

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	0.667	4	0.500	0.20	0.196	6.52	9.23	71940	73410	101730	103810	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

--	No Bend test performed	Note:- Only One Sample Received and Tested

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

Muhammad Saleem, ME Test Performed By: Dr. /Engr. Asad Ali Gillani
 Nespak, PRSWSSP Bhowana. (PRSWSSP Engg Design and Const. Supervision, Cluster Central-I)

Client Reference: NESPAK (PRSWSSP) BHOWANA-RE-07 SOM Lab Ref: 2722 (Page-1/1)
 Dated: 17-08-2023 Dated: 22-08-2023

Test: Tension Test & Bend Test Test Specification: ASTM-A-615
 inc Deformed Bar (FF Steel)
 Gauge Length: 8 h Sample Type:

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	2.649	8	0.995	0.79	0.778	25.43	35.60	71000	72100	99380	100910	1.40	8.00	17.5	
2	2.675	8	1.000	0.79	0.786	25.28	35.83	70580	70940	100030	100540	1.50	8.00	18.8	
3	1.453	6	0.737	0.44	0.427	13.30	18.83	66680	68710	94370	97250	1.30	8.00	16.3	
4	1.464	6	0.740	0.44	0.430	13.30	18.96	66680	68230	95040	97250	1.20	8.00	15.0	
5	0.676	4	0.503	0.20	0.199	6.78	8.94	74750	75130	98580	99080	1.20	8.00	15.0	
6	0.676	4	0.503	0.20	0.199	6.76	9.12	74530	74900	100610	101110	1.20	8.00	15.0	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

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

# 4	Sample bend through 180 degrees Satisfactorily without any crack	Received and Tested
Note: Please always confirm the results of above report on web www.uet-civil.edu.pk		