

Major Nadeen-Ur-Rehman ®

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

RE ACE GOR .Multan.(Const Of (GOR) In South Punjab Multan Secretariat)

Client Reference: ACE/RE/GOR/2023/444

SOM Lab

Ref: 2667 (Page-1/1)

Dated: 07-08-2023

Dated: 09-08-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Deformed Bar (SJ

Gauge Length: 8 inch

Sample Type: 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	1.504	6	0.750	0.44	0.442	13.71	18.76	68730	68410	94020	93590	1.30	8.00	16.3	
2	1.509	6	0.751	0.44	0.443	13.93	18.83	69850	69380	94370	93730	1.50	8.00	18.8	
3	0.670	4	0.501	0.20	0.197	6.07	8.53	66890	67900	94090	95520	1.20	8.00	15.0	
4	0.668	4	0.500	0.20	0.196	5.93	8.51	65420	66760	93860	95780	1.30	8.00	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

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/092

SOM Lab

Ref: 2668 (Page-1/1)

Dated: 09-08-2023

Dated: 09-08-2023

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.493	6	0.748	0.44	0.439	13.76	18.96	68980	69140	95040	95250	1.30	8.00	16.3	
2	1.484	6	0.745	0.44	0.436	16.26	21.48	81500	82250	107660	108650	1.30	8.00	16.3	
3	0.661	4	0.497	0.20	0.194	6.47	8.28	71380	73590	91280	94100	1.10	8.00	13.8	
4	0.649	4	0.493	0.20	0.191	6.47	8.33	71380	74750	91840	96170	1.20	8.00	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
# 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

Engineer Muhammad Irfan
Asst Dir Infra. DHA Gujranwala.(Sector G)

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

Client Reference: 111/15/AD/RS/Lab/Pkg-2B/1920

SOM Lab

Ref: 2669 (Page-1/1)

Dated: 07-08-2023

Dated: 09-08-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Plain Bar (Steel Rungs)

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	2.14 3	8	0.89 6	0.7 9	0.63 0	21.53	33.15	60110	75370	92550	11605 0	1.3 0	8. 0	16. 3	
2	2.11 4	8	0.88 9	0.7 9	0.62 1	21.46	33.13	59910	76210	92490	11766 0	1.5 0	8. 0	18. 8	
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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

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: 2670 (Page-1a/1)

Dated: 08-08-2023

Dated: 09-08-2023

Test: Tension Test 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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.50 2	6	0.74 9	0.4 4	0.44 1	14.80	19.90	74190	74020	99740	99510	1.3 0	8. 0	16. 3	577-R
2	1.48 2	6	0.74 5	0.4 4	0.43 6	14.19	19.75	71130	71780	98970	99880	1.3 0	8. 0	16. 3	579-R
3	1.49 4	6	0.74 8	0.4 4	0.43 9	14.29	19.95	71640	71800	99990	10022 0	1.4 0	8. 0	17. 5	580-R
4	1.49 5	6	0.74 8	0.4 4	0.43 9	13.71	19.18	68730	68880	96160	96380	1.5 0	8. 0	18. 8	581-R
5	1.49 7	6	0.74 8	0.4 4	0.44 0	13.68	19.05	68570	68570	95500	95500	1.4 0	8. 0	17. 5	582-R
6	1.50 3	6	0.75 0	0.4 4	0.44 2	14.17	18.91	71020	70700	94780	94350	1.4 0	8. 0	17. 5	585-R
7	1.46 9	6	0.74 2	0.4 4	0.43 2	14.02	18.93	70260	71560	94880	96640	1.2 0	8. 0	15. 0	590-R
8	1.48 5	6	0.74 5	0.4 4	0.43 6	14.09	19.18	70620	71260	96160	97040	1.5 0	8. 0	18. 8	592-R
9	1.49 2	6	0.74 7	0.4 4	0.43 8	13.71	18.93	68730	69040	94880	95320	1.4 0	8. 0	17. 5	595-R
10	1.49 5	6	0.74 8	0.4 4	0.43 9	13.71	19.06	68730	68880	95550	95770	1.4 0	8. 0	17. 5	596-R

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.

Client Reference: Nil

SOM Lab

Ref: 2670 (Page-1b/1)

Dated: 08-08-2023

Dated: 09-08-2023

Test: Tension Test 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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.491	6	0.747	0.44	0.438	13.73	18.86	68830	69140	94530	94960	1.40	8.0	17.5	597-R
2	1.486	6	0.746	0.44	0.437	14.42	19.34	72300	72800	96930	97590	1.30	8.0	16.3	598-R
3	1.494	6	0.748	0.44	0.439	13.83	19.22	69340	69500	96320	96530	1.40	8.0	17.5	599-R
4	1.493	6	0.748	0.44	0.439	13.83	19.80	69340	69500	99230	99450	1.50	8.0	18.8	601-R
5	1.480	6	0.744	0.44	0.435	14.09	18.88	70620	71430	94630	95720	1.30	8.0	16.3	602-R
6	1.475	6	0.743	0.44	0.433	14.22	19.22	71280	72430	96320	97870	1.50	8.0	18.8	607-R
7	1.488	6	0.746	0.44	0.437	14.32	19.32	71790	72280	96830	97490	1.20	8.0	15.0	609-R
8	1.486	6	0.746	0.44	0.437	14.60	19.52	73170	73670	97850	98520	1.40	8.0	17.5	613-R
9	1.490	6	0.747	0.44	0.438	14.37	20.25	72050	72380	101530	101990	1.30	8.0	16.3	617-R
10	1.488	6	0.746	0.44	0.437	14.42	19.67	72300	72800	98610	99290	1.40	8.0	17.5	618-R

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.

Client Reference: Nil

SOM Lab

Ref: 2670 (Page-1c/1)

Dated: 08-08-2023

Dated: 09-08-2023

Test: Tension Test 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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.482	6	0.745	0.44	0.436	14.37	19.13	72050	72710	95910	96790	1.40	8.0	17.5	621-R
2	1.490	6	0.747	0.44	0.438	13.97	19.18	70000	70320	96160	96600	1.50	8.0	18.8	626-R
3	1.488	6	0.746	0.44	0.437	14.27	19.49	71540	72030	97690	98370	1.30	8.0	16.3	629-R
4	1.494	6	0.748	0.44	0.439	14.14	19.44	70870	71030	97440	97660	1.20	8.0	15.0	630-R
5	1.494	6	0.748	0.44	0.439	13.97	18.50	70000	70160	92740	92950	1.40	8.0	17.5	631-R
6	1.489	6	0.747	0.44	0.438	13.99	19.49	70100	70420	97690	98140	1.50	8.0	18.8	633-R
7	1.493	6	0.748	0.44	0.439	13.99	19.54	70100	70260	97950	98170	1.40	8.0	17.5	634-R
8	1.492	6	0.747	0.44	0.438	14.09	19.57	70620	70940	98100	98550	1.50	8.0	18.8	635-R
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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

Test Performed by: Dr. Asad Ali Gillani

Madina Hardware & Co.
Lahore.

Client Reference No.: Nil

Dated: 09-08-2023

SOM Lab Ref: CED/SOM/2671 (Page 1/1)

Dated: 09-08-2023

Test: Tensile Test

Sample Type: M.S Plain bar with Coupler

Tension Test Results

Sr. No.	Bar Size	Area	Yield Load	Ultimate Load	Yield stress	Ultimate stress	Remarks
	(mm)	(mm ²)	kN	kN	(Mpa)	(Mpa)	
1	24	452.16	164.2	194.2	363.1	429.5	Sample Breaks at this Load (Thread Slippage failure not occurred)

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

