

Gai Xiqiang

Test Performed By:

Dr. /Engr. S. Asad Ali Gillani

Project Manager, China Energy Engineering Group, Northeast No.2, Electric Power Construction Co. Ltd.

Client Reference: DD-401A-FA-639

SOM Lab Ref: 5145(Page-1/1)

Dated: 13-10-2021

Dated: 14-10-2021

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	2.623	8	0.991	0.79	0.771	25.10	33.49	70070	71790	93490	95790	1.40	8.0	17.5	
2	2.650	8	0.996	0.79	0.779	25.20	33.38	70350	71340	93200	94520	1.30	8.0	16.3	
3	2.640	8	0.994	0.79	0.776	25.03	33.25	69870	71130	92830	94510	1.40	8.0	17.5	
4	2.636	8	0.993	0.79	0.775	24.82	33.03	69300	70640	92210	93990	1.30	8.0	16.3	
5	1.509	6	0.751	0.44	0.443	15.24	19.75	76390	75870	98970	98300	1.40	8.0	17.5	
6	1.489	6	0.747	0.44	0.438	14.63	19.27	73320	73660	96570	97010	1.50	8.0	18.8	
7	1.498	6	0.748	0.44	0.440	15.01	19.57	75210	75210	98100	98100	1.50	8.0	18.8	
8	1.499	6	0.749	0.44	0.441	14.98	19.47	75110	74940	97590	97370	1.20	8.0	15.0	
9	1.484	6	0.745	0.44	0.436	15.14	19.64	75880	76570	98460	99360	1.40	8.0	17.5	
10	1.492	6	0.747	0.44	0.438	15.14	19.69	75880	76220	98720	99170	1.50	8.0	18.8	

Witnessed By: Sohaib Ali, Sub Engineer (NESPAK)

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	
# 6	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

Muhammad Imran Hafeez
Sr. Engineer (Civil), WASO, PAEC, BINO Bahawalpur

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

Client Reference: WASO-BINO-21-002

SOM Lab

Ref: 5147(Page-1/1)

Dated: 03-10-2021

Dated: 14-10-2021

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	24.54	34.15	68500	69740	95340	97060	1.20	8.0	15.0	
2	2.646	8	0.995	0.79	0.778	24.54	34.45	68500	69560	96190	97670	1.30	8.0	16.3	
3	1.505	6	0.750	0.44	0.442	13.63	20.25	68320	68010	101530	101070	1.40	8.0	17.5	
4	1.512	6	0.752	0.44	0.444	13.63	20.31	68320	67700	101780	100870	1.50	8.0	18.8	
5	1.053	5	0.627	0.31	0.309	9.60	14.24	68320	68540	101310	101640	1.50	8.0	18.8	
6	1.034	5	0.622	0.31	0.304	9.48	13.91	67450	68780	98990	100950	1.30	8.0	16.3	
7	0.662	4	0.498	0.20	0.195	6.03	8.82	66550	68250	97230	99730	1.40	8.0	17.5	
8	0.670	4	0.501	0.20	0.197	6.37	8.89	70260	71330	98020	99510	1.20	8.0	15.0	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 5	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

Cantonment Executive Officer
Gujranwala Cantt., Cantonment Board Gujranwala

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

Client Reference: SCE/Engg/01

SOM Lab

Ref: 5148(Page-1/1)

Dated: 04-10-2021

Dated: 14-10-2021

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	0.659	4	0.497	0.20	0.194	7.08	8.82	78130	80540	97230	100240	1.10	8.0	13.8	
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BEND TEST:

# 4	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. Naveed Sadiq
Resident Engineer, Orbit Housing

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: Nil

Dated: 14-10-2021

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 5149(Page-1/1)

Dated: 14-10-2021

ASTM-A-615

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	2.659	8	0.997	0.79	0.781	25.64	34.58	71570	72400	96530	97640	1.60	8.0	20.0	
2	2.652	8	0.996	0.79	0.779	24.62	34.07	68730	69700	95110	96450	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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BEND TEST:

# 8	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

Naeem Yousaf
Resident Engineer, Nespak Pvt. Ltd. Lahore

Test Performed By: Dr. /Engr. M. Rehan Ashraf

Client Reference: 4401/NY/T/05/55

SOM Lab 5150(Page-

Ref: 1/1)

Dated: 12-10-2021

Dated: 14-10-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Guage Length: 8 inch

Sample Type:

Deformed Bar (Gujjar 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	2.667	8	0.999	0.79	0.784	25.08	35.44	70010	70540	98950	99710	1.50	8.0	18.8	
2	2.689	8	1.003	0.79	0.790	25.79	35.75	72000	72000	99800	99800	1.50	8.0	18.8	
3	1.457	6	0.738	0.44	0.428	15.26	19.24	76490	78640	96420	99120	1.20	8.0	15.0	
4	1.454	6	0.737	0.44	0.427	14.88	18.65	74600	76870	93510	96350	1.10	8.0	13.8	
5	0.695	4	0.510	0.20	0.204	7.34	8.89	80940	79350	98020	96100	1.00	8.0	12.5	
6	0.679	4	0.505	0.20	0.200	7.17	8.84	79030	79030	97460	97460	1.20	8.0	15.0	
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Witnessed By: Naeem Yousaf (RE, Nespak)

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

Engr. Shahid Hussain
Project Director, Government College University, Faisalabad

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: GCUF/EC/3636
Dated: 13-10-2021
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 5153(Page-1/1)
Dated: 14-10-2021
Test Specification: ASTM-A-615
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	0.671	4	0.501	0.20	0.197	6.03	8.48	66550	67560	93530	94950	1.40	8.0	17.5	
2	0.675	4	0.502	0.20	0.198	6.01	8.43	66320	66990	92960	93900	1.40	8.0	17.5	
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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

Engr. Hawris Ahmad
Project Manager Civil/ Structures, Engineerio Tech Group, Lahore

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: 0193-Q-CE-PK-21/UET-LHR

Dated: 13-10-2021

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 5154(Page-1/1)

Dated: 14-10-2021

ASTM-A-615

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	2.628	8	0.991	0.79	0.772	16.31	25.08	45540	46600	70010	71640	2.10	8.0	26.3	
2	2.615	8	0.989	0.79	0.768	17.30	26.32	48300	49680	73480	75590	2.00	8.0	25.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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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

