

Usman Ali Khan
Project Manager, Apical Developers (Pvt) Ltd. Lahore

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

Client Reference: RMZ-TEST-APR-01

SOM Lab 4213 (Page-1/1)
Ref:

Dated: 19-04-2021

Dated: 20-04-2021

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	2.621	8	0.990	0.79	0.770	29.12	37.07	81310	83420	103500	106190	1.00	8.0	12.5	
2	2.632	8	0.992	0.79	0.773	29.53	38.33	82440	84260	107000	109360	1.00	8.0	12.5	
3	1.486	6	0.746	0.44	0.437	16.67	21.07	83540	84120	105610	106340	1.10	8.0	13.8	
4	1.500	6	0.749	0.44	0.441	16.89	21.10	84670	84470	105770	105530	1.20	8.0	15.0	
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BEND TEST:

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

Osama Hassan
Resident Engineer, NESPAK (Pvt) Ltd. Lahore

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

Client Reference: 4047/13/OH/04-KRC/166

SOM Lab 4214 (Page-

Ref: 1/1)

Dated: 16-04-2021

Dated: 20-04-2021

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	0.674	4	0.502	0.20	0.198	7.24	8.94	79810	80620	98580	99580	1.00	8.0	12.5	
2	0.672	4	0.501	0.20	0.197	7.14	8.82	78690	79890	97230	98720	1.10	8.0	13.8	
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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

Li Shi
 Manager, Sinohydro Corporation Limited, Pakistan

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

Client Reference: ADB-301B/2018/227

SOM Lab 4215(Page-

Ref: 1/2)

Dated: 19-04-2021

Dated: 20-04-2021

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	3.301	9	1.111	1.00	0.970	27.54	41.92	60750	62630	92450	95310	1.40	8.0	17.5	
2	3.297	9	1.111	1.00	0.969	27.47	42.35	60590	62530	93410	96400	1.30	8.0	16.3	
3	3.292	9	1.110	1.00	0.967	27.39	41.08	60410	62470	90600	93690	1.30	8.0	16.3	
4	2.648	9	0.995	1.00	0.778	29.46	41.76	64970	83510	92110	118390	1.10	8.0	13.8	
5	2.693	8	1.004	0.79	0.791	23.50	33.94	65600	65520	94770	94650	1.50	8.0	18.8	
6	2.679	8	1.001	0.79	0.787	23.96	35.98	66880	67130	100460	100840	1.50	8.0	18.8	
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Witnessed By: Asad Nawab, Sr. Engineer (Barqaab)

BEND TEST:

# 9	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine Samples Received and Tested
# 9	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

Li Shi
 Manager, Sinohydro Corporation Limited, Pakistan

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

Client Reference: ADB-301B/2018/227

SOM Lab 4215(Page-

Ref: 2/2)

Dated: 19-04-2021

Dated: 20-04-2021

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	1.463	6	0.740	0.44	0.430	13.12	19.49	65760	67290	97690	99970	1.00	8.0	12.5	
2	1.489	6	0.747	0.44	0.438	13.48	19.67	67550	67860	98610	99060	1.20	8.0	15.0	
3	1.465	6	0.741	0.44	0.431	14.12	19.98	70770	72250	100150	102240	1.20	8.0	15.0	
4	1.455	6	0.738	0.44	0.428	12.92	19.37	64740	66550	97080	99800	1.20	8.0	15.0	
5	1.516	6	0.754	0.44	0.446	10.67	15.95	53500	52780	79970	78890	1.90	8.0	23.8	
6	1.467	6	0.741	0.44	0.431	10.16	15.24	50940	52010	76390	77980	1.70	8.0	21.3	
7	0.682	4	0.505	0.20	0.200	5.81	8.21	64080	64080	90490	90490	1.30	8.0	16.3	
8	0.678	4	0.503	0.20	0.199	5.91	8.28	65200	65530	91280	91740	1.20	8.0	15.0	
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Witnessed By: Asad Nawab, Sr. Engineer (Barqaab)

BEND TEST:

# 6	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	
# 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

Ijaz Ahmed Cheema
Site Incharge, Safiya Homes, Lahore

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

Client Reference: Nil

SOM Lab 4216 (Page-

Ref: 1/1)

Dated: 18-04-2021

Dated: 20-04-2021

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	1.468	6	0.741	0.44	0.431	14.65	19.47	73430	74960	97590	99630	1.30	8.0	16.3	
2	1.480	6	0.744	0.44	0.435	15.09	19.88	75620	76490	99640	100780	1.20	8.0	15.0	
3	0.561	4	0.458	0.20	0.165	6.47	8.53	71380	86520	94090	114040	1.40	8.0	17.5	
4	0.561	4	0.458	0.20	0.165	6.75	8.72	74420	90200	96110	116500	1.50	8.0	18.8	
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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

Nafiz OZCAN

Test Performed By:

Dr. /Engr. Nauman Khurram

Contractor's Representative, SA - RA Energy, Construction Trade and Industry Co. Inc. Lahore

Client Reference: MIG/2021/337

SOM Lab 4217(Page-

Ref: 1/1)

Dated: 19-04-2021

Dated: 20-04-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar(AI-Moiz 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	2.617	8	0.990	0.79	0.769	25.33	34.88	70720	72650	97380	100040	1.40	8.0	17.5	
2	2.636	8	0.993	0.79	0.775	25.05	34.48	69920	71280	96250	98110	1.30	8.0	16.3	
3	2.628	8	0.991	0.79	0.772	24.82	34.61	69300	70910	96620	98870	1.40	8.0	17.5	
4	1.591	6	0.772	0.44	0.468	14.34	19.90	71890	67590	99740	93770	1.50	8.0	18.8	
5	1.624	6	0.779	0.44	0.477	13.27	18.78	66530	61370	94120	86820	1.40	8.0	17.5	
6	1.569	6	0.766	0.44	0.461	13.35	18.98	66940	63890	95140	90810	1.40	8.0	17.5	
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Witnessed By:

Sohaib Ali, Sub-Engineer, Nespak And M. Abid SA-RA Repiesantanive Assistant Manager (AHTE)

BEND TEST:

# 8(Sr.1&2)	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
# 8 (Sr. 3)	Sample bend through 180 degrees Satisfactorily without any crack	
# 6(Sr.4&5)	Sample bend through 180 degrees Satisfactorily without any crack	
# 6(Sr. 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 Aslam
Deputy Director (P&D) National Textile University, Faisalabad

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

Client Reference: NTU/ C.W/G.H/21-14

SOM Lab Ref: 4218 (Page-1/1)

Dated: 12-04-2021

Dated: 20-04-2021

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	2.576	8	0.982	0.79	0.757	24.52	34.00	68440	71430	94910	99050	1.10	8.0	13.8	
2	1.453	6	0.737	0.44	0.427	14.04	18.40	70360	72500	92230	95040	1.20	8.0	15.0	
3	0.677	4	0.503	0.20	0.199	5.93	8.51	65420	65750	93860	94330	1.30	8.0	16.3	
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BEND TEST:

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