

Asif Javed, RE

Test Performed By: Dr. /Engr. Wasim Abbas

New Vision Engg Consult.Lhr.(Const Of Faculty Natural Science Block First Floor) (Group-01)

Client Reference: NVEC/GCWUS/C-05

Dated: 03-03-2023

SOM Lab Ref: CED/SOM/2032(Page-1/1)

Dated: 03-04-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S Deformed Bar

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	4.017	25	25.53	491	512	264.50	353.70	539	517	721	691	35.0	200	17.5	
2	3.975	25	25.39	491	506	267.00	355.50	544	528	724	702	37.5	200	18.8	
3	2.437	20	19.88	314	310	159.70	216.70	508	515	690	699	32.5	200	16.3	
4	2.433	20	19.87	314	310	160.20	216.70	510	517	690	700	25.0	200	12.5	
5	1.002	12	12.75	113	128	74.70	89.50	660	586	791	702	25.0	200	12.5	
6	1.005	12	12.77	113	128	75.20	90.50	665	588	800	707	27.5	200	13.8	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine Samples Received and Tested
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
12mm	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

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

Sinohydro Corporation Ltd.(220 Kv Transmission Lines associated With Lahore North substation)

Client Reference: ABD-301B/2018/595

SOM Lab

Ref: 2022 (Page-1a/1)

Dated: 01-04-2023

Dated: 03-04-2023

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	3.196	9	1.093	1.00	0.939	29.46	43.78	64970	69200	96560	102830	1.40	8.0	17.5	
2	3.185	9	1.092	1.00	0.936	29.36	43.53	64750	69180	96000	102560	1.10	8.0	13.8	
3	2.654	8	0.997	0.79	0.780	25.38	36.09	70860	71770	100740	102030	1.20	8.0	15.0	
4	2.666	8	0.998	0.79	0.783	26.96	36.77	75270	75950	102650	103570	1.40	8.0	17.5	
5	1.480	6	0.744	0.44	0.435	14.42	20.00	72300	73130	100250	101400	1.20	8.0	15.0	
6	1.493	6	0.748	0.44	0.439	13.51	18.45	67700	67860	92480	92690	1.60	8.0	20.0	
7	1.457	6	0.738	0.44	0.428	13.71	19.44	68730	70650	97440	100170	1.30	8.0	16.3	
8	1.507	6	0.751	0.44	0.443	14.32	20.00	71790	71300	100250	99570	1.30	8.0	16.3	
9	1.486	6	0.746	0.44	0.437	14.34	19.93	71890	72390	99890	100580	1.40	8.0	17.5	
10	1.482	6	0.745	0.44	0.436	14.60	20.29	73170	73840	101680	102610	1.30	8.0	16.3	

Witnessed By: Engr Zahid (Jn Engr.Barqaab Nespak JV)

BEND TEST:

# 9	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

Li Shi, Manager

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

Sinohydro Corporation Ltd.(220 Kv Transmission Lines associated With Lahore North substation)

Client Reference: ABD-301B/2018/595

SOM Lab

Ref: 2022 (Page-1b/1)

Dated: 01-04-2023

Dated: 03-04-2023

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	0.671	4	0.501	0.20	0.197	6.37	8.89	70260	71330	98020	99510	1.00	8.0	12.5	
2	0.674	4	0.502	0.20	0.198	6.52	8.97	71940	72670	98920	99920	0.90	8.0	11.3	
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Witnessed By: Engr Zahid (Jn Engr.Barqaab Nespak JV)

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. Naveed Sadiq
RE Orbit Housing.Lahore.(The Springs Apartment Homes)

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

Client Reference: Nil

SOM Lab

Ref: 2023 (Page-1/1)

Dated: 03-04-2023

Dated: 03-04-2023

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	2.658	8	0.997	0.79	0.781	24.99	35.29	69780	70590	98520	99660	1.60	8.0	20.0	
2	2.638	8	0.993	0.79	0.775	24.59	34.91	68640	69970	97470	99360	1.40	8.0	17.5	
3	1.512	6	0.752	0.44	0.444	14.55	20.87	72910	72260	104590	103650	1.40	8.0	17.5	
4	1.510	6	0.752	0.44	0.444	14.55	20.76	72910	72260	104080	103140	1.30	8.0	16.3	
5	0.672	4	0.501	0.20	0.197	7.03	9.60	77560	78750	105890	107500	1.20	8.0	15.0	
6	0.673	4	0.502	0.20	0.198	7.00	9.55	77230	78010	105330	106390	1.10	8.0	13.8	
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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

Engr. Naveed Sadiq
RE Orbit Housing.Lahore.(The Springs Apartment Homes)

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

Client Reference: Nil

SOM Lab

Ref: 2024 (Page-1/1)

Dated: 03-04-2023

Dated: 03-04-2023

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	2.592	8	0.985	0.79	0.762	25.20	33.74	70350	72940	94200	97660	1.40	8.0	17.5	
2	2.606	8	0.988	0.79	0.766	24.99	33.33	69780	71970	93060	95970	1.60	8.0	20.0	
3	1.503	6	0.750	0.44	0.442	14.37	20.05	72050	71720	100500	100050	1.50	8.0	18.8	
4	1.485	6	0.745	0.44	0.436	13.93	19.47	69850	70490	97590	98490	1.60	8.0	20.0	
5	0.675	4	0.502	0.20	0.198	7.00	8.99	77230	78010	99150	100150	1.00	8.0	12.5	
6	0.675	4	0.502	0.20	0.198	6.70	8.97	73850	74600	98920	99920	1.10	8.0	13.8	
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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

Ameen Firdous, Civil Engr

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

Prime Builders Lahore. (Const Of Apartment Building at 45-B-1 Gulberg III Lahore)

Client Reference: PB/45-B/09

SOM Lab

Ref: 2025 (Page-1/1)

Dated: 03-04-2023

Dated: 03-04-2023

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	0.669	8	0.501	0.79	0.197	5.42	8.66	15140	60710	24190	97000	1.00	8.0	12.5	
2	0.666	8	0.500	0.79	0.196	5.47	8.72	15290	61600	24340	98070	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

Professional Const.Services
Lahore.(Faculty Apartments-8 at LUMS Lahore)

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

Client Reference: PCS/22/Eng-23-B

SOM Lab

Ref: 2026 (Page-1/1)

Dated: 03-04-2023

Dated: 03-04-2023

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	0.673	4	0.502	0.20	0.198	7.72	9.43	85100	85950	103980	105030	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

Sub Divisional officer,

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

BSD Narowal.(Prov of Missing Facilities in Newly Constructed Circuit House Narowal)

Client Reference: 33/NL

SOM Lab

Ref: 2029 (Page-1/1)

Dated: 14-01-2023

Dated: 03-04-2023

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	0.673	4	0.502	0.20	0.198	6.52	8.46	71940	72670	93300	94240	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

Ilyas Majeed Sheikh
Chairman Eagle Group.(City Galleria.CITI Housing,Gujranwala)

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

Client Reference: Nil

SOM Lab

Ref: 2030 (Page-1/2)

Dated: 01-04-2023

Dated: 03-04-2023

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	1.515	6	0.753	0.44	0.445	15.19	19.22	76130	75280	96320	95230	1.00	8.0	12.5	
2	0.673	4	0.502	0.20	0.198	7.59	9.25	83750	84590	101960	102990	1.00	8.0	12.5	
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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

Ilyas Majeed Sheikh
Chairman Eagle Group.(City Galleria.CITI Housing,Gujranwala)

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

Client Reference: Nil

SOM Lab

Ref: 2030 (Page-2/2)

Dated: 01-04-2023

Dated: 03-04-2023

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	2.636	8	0.993	0.79	0.775	26.17	35.04	73050	74470	97810	99700	1.40	8.0	17.5	
2	1.471	6	0.742	0.44	0.432	14.85	19.22	74450	75830	96320	98100	1.30	8.0	16.3	
3	0.668	4	0.500	0.20	0.196	7.03	8.61	77560	79150	94990	96930	0.90	8.0	11.3	
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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

Osmani & Compny (Pvt) Ltd.

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

Engr Representative ,Const Of Greenfield Aerodrome For General aviation Activities At Muridke)

Client Reference: OCL/CAA/MAD-ER/03-2K23/44

SOM Lab

Ref: 2031 (Page-1/2)

Dated: 23-03-2023

Dated: 03-04-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Prime 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	1.529	6	0.756	0.44	0.449	15.16	18.73	75980	74460	93860	91980	1.20	8.0	15.0	
2	1.480	6	0.744	0.44	0.435	15.26	18.57	76490	77370	93100	94170	1.20	8.0	15.0	
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BEND TEST:

# 6	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

Osmani & Compny (Pvt) Ltd.

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

Engr Representative ,Const Of Greenfield Aerodrome For General aviation Activities At Muridke)

Client Reference: OCL/CAA/MAD-ER/03-2K23/49

SOM Lab

Ref: 2031 (Page-2/2)

Dated: 30-03-2023

Dated: 03-04-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Prime 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	0.674	4	0.502	0.20	0.198	6.14	8.26	67670	68360	91050	91970	1.20	8.0	15.0	
2	0.670	4	0.501	0.20	0.197	6.95	8.99	76660	77830	99150	100660	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

Test Performed by: Dr. S. Asad Ali Gillani

Zeeruk International (Pvt) Ltd.
Resident Engineer DHA Phase-IV, Islamabad.
(Construction Of Bridge Linking DHA Phase-IV To Bahria Phase-VIII over Soan River)

Reference No.: ZI/RE/DHA-PH-IV/23/52
SOM Lab Ref: CED/SOM/2027(Page-1/1)

Dated: 30-03-2023
Dated: 03-04-2023

Test: Tensile Test, Elongation at Break, Tear Test, Hardness Test & Comp. Set Test

Sample Type: Elastomeric Bearing Pad (Alfen)Turkey (Size 525mmx345mmx59mm)

TENSILE STRENGTH AND ELONGATION TEST. (AS PER ASTM-D-412)

S. No	Sample Size (mm)	Ultimate Load (kN)	Tensile Strength (Mpa)	Tensile Strength (kg/cm ²)	Elongation at Break(%)
1	6.4 x 3.4	0.65	29.87	204.59	500.0
2	6.4 x 3.4	0.60	27.57	281.16	510.0

TEAR STRENGTH (AS PER ASTM-D-624)

S. No	Sample Size (mm)	Ultimate Load (kN)	Tear Strength (N/mm)
1	8.9 x 3.4	0.45	132.35
2	8.0 x 3.4	0.48	141.17

- COMPRESSION SET TEST (AS PER ASTM-D-395)

S. No.	Thickness of Sample (mm)	Final Thickness (mm)	Compression set (%)
1	3.40	3.26	2.44

- HARDNESS TEST (AS PER ASTM-D-2240)

S. No	Sample Type	Hardness (Shore A)
1	Elastomeric Bearing Pad	63.0

Test Performed by: Dr. S. Asad Ali Gillani

Zeeruk International (Pvt) Ltd.

Resident Engineer

DHA Phase-IV, Islamabad.

(Construction of Bridge Linking DHA Phase-IV to Bahria Phase-VIII over Soan River)

Reference No.: ZI/RE/DHA-PH-IV/23/53

Dated: 30-03-2023

SOM Lab Ref: CED/SOM/2028(Page-1/1)

Dated: 03-04-2023

Test: Tensile Test, Elongation at Break, Hardness Test & Comp. Set Test

Sample Type: Expansion Joint (Rubber)(Alfen Gendex, Turkey)

TENSILE STRENGTH AND ELONGATION TEST. (AS PER ASTM-D-412)

S. No	Sample Size (mm)	Ultimate Load (kN)	Tensile Strength (Mpa)	Tensile Strength (kg/cm ²)	Elongation at Break(%)
1	4.2 x 3.3	0.45	32.46	331.07	420.0
2	3.8 x 3.7	0.50	35.56	362.62	440.0

- COMPRESSION SET TEST (AS PER ASTM-D-395)

S. No.	Thickness of Sample (mm)	Final Thickness (mm)	Compression set (%)
1	3.50	3.36	2.53

- HARDNESS TEST (AS PER ASTM-D-2240)

S. No	Sample Type	Hardness (Shore A)
1	Expansion Joint (Rubber)	49.0

