Test Performed by: .S. Asad Ali Gillani

Engineer Muhammad Irshad
Dy Dir Dev DHA Gujranwala
(Const Of InnoVista Technology Zone)

Client Reference No.: 111/3/DD/Dev/Soft Tech Park/73 Dated: 22-07-2024

SOM Lab Ref: CED/SOM/4579 (Page 1/2) Dated: 06-08-2024

Test Type: Tensile Test & Thickness Test
Sample Type: C-Parlin, Corrugated Sheet

Tensile Test Results

Sr. No.	Size of Steel strip (mm)	X Section Area (mm^2)	Yield Load (kN)	Ultimate Load (kN)	Yield Stress (MPa)	Ultimate Tensile Stress (MPa)	% Elongation
1 (C-Parlin)	17.1 x 3.1	52.70	19.20	24.5	364.33	464.90	20.0
2 (C-Parlin)	17.4 x 3.1	53.94	19.20	24.2	355.95	448.65	25.0
3 (Corrugated Sheet)	11.4 x 0.75	8.55	----	3.70	----	432.75	30.0
4 (Corrugated Sheet)	11.4 x 0.75	8.55	----	3.70	----	432.75	25.0

Thickness Test Results

Sr. No.	Sample Type	Thickness (mm)
1	C-Parlin	3.1
2	Corrugated Sheet	0.75

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

Test Performed by: .S. Asad Ali Gillani

Engineer Muhammad Irshad
Dy Dir Dev DHA Gujranwala
(Const Of InnoVista Technology Zone)

Client Reference No.: 111/3/DD/Dev/Soft Tech Park/73 Dated: 22-07-2024

SOM Lab Ref: CED/SOM/4579 (Page 2/2) Dated: 06-08-2024

Test Type: Load Test
Sample Type: Bracing Wire (Steel Wire)

Load Test Results

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Sr. No.	Weight Kg/m	Sample Type	Ultimate Load (kN)	Ultimate Load (Kg)
1	0.980	Bracing Wire (Steel Wire)	87.70	8940

Caballo Engineering
Lahore .

Test Performed By: **Dr. /Engr.** Nauman Khurram

Client Reference: Nil
SOM Lab Ref: CED/SOM/4583(Page-1/1)
Test: Tension Test
Sample Type: Plain Bar (Anchor Bolt)

Dated: 06-08-2024
Dated: 06-08-2024
Test Specification: ASTM-F 1554
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	4.066	25	25.68	491	518	350.20	436.00	713	677	888	842	12.5	200	6.3	
2	2.170	20	18.76	314	276	197.50	281.00	629	715	894	1017	22.5	200	11.3	
3	1.527	16	15.74	201	195	66.70	98.70	332	343	491	508	30.0	200	15.0	
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BEND TEST:

--	No Bend test performed

Note:-

Only Three Samples Received and Tested

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

A.Rehman **Test Performed By:** **Dr. /Engr.** Nauman Khurram

Construction Company.(Const Of TCF Secondary School Extension at Ghazi Minera,Sheikhpura)

Client Reference: 128/24 **SOM Lab Ref:** 4576 (Page-1/1)

Dated: 06-08-2024 **Dated:** 06-08-2024

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	1.046	5	0.625	0.31	0.307	11.52	14.09	81950	82750	100230	101210	1.00	8.0	12.5	
2	0.668	4	0.500	0.20	0.196	7.72	9.79	85100	86830	107910	110120	1.00	8.0	12.5	
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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

Muhammad Arfan Asif **Test Performed By:** **Dr. /Engr.** Irfan Ul Hassan

ER NESPAK Lhr.(Const Of Green Building for EMC,EPD and Allied` New Entities Estb Under PGDP)

Client Reference: 4731/MAA/03/70 **SOM Lab Ref:** 4577 (P-1/1)

Dated: 06-08-2024 **Dated:** 06-08-2024

Test: Tension Test & Bend Test **Test Specification:** ASTM-A-615

Gauge Length: 8 inch **Sample Type:** Deformed Bar (Markhor 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	2.599	8	0.986	0.79	0.764	25.18	34.66	70290	72690	96760	100050	1.40	8.0	17.5	
2	2.601	8	0.986	0.79	0.764	24.16	34.35	67450	69740	95900	99170	1.30	8.0	16.3	
3	1.501	6	0.749	0.44	0.441	16.00	21.20	80220	80040	106280	106040	1.10	8.0	13.8	
4	1.490	6	0.747	0.44	0.438	15.90	21.20	79710	80070	106280	106760	1.20	8.0	15.0	
5	0.675	4	0.502	0.20	0.198	6.14	8.48	67670	68360	93530	94470	1.00	8.0	12.5	
6	0.675	4	0.502	0.20	0.198	6.32	8.61	69700	70400	94990	95950	1.10	8.0	13.8	
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BEND TEST:

# 8	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:-

Only Nine Samples Received and Tested

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

Shahid Hussain Khan, RE **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

NESPAK PRSWSSP,Liaquatpur.(PRSWSSP Pilot Phase Cluster South III Pkg-LQR-01)

Client Reference: NESPAK(PRSWSSP) Liaquatpur-RE 59 **SOM Lab Ref:** 4578 (Page-1/1)

Dated: 30-07-2024 **Dated:** 06-08-2024

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	2.673	8	1.000	0.79	0.786	24.77	35.34	69160	69510	98660	99170	1.40	8.0	17.5	
2	2.667	8	0.999	0.79	0.784	23.60	34.63	65880	66390	96670	97410	1.30	8.0	16.3	
3	1.500	6	0.749	0.44	0.441	14.19	19.29	71130	70970	96670	96450	1.30	8.0	16.3	
4	1.502	6	0.749	0.44	0.441	14.27	18.71	71540	71370	93760	93550	1.40	8.0	17.5	
5	0.666	4	0.500	0.20	0.196	5.91	8.33	65200	66530	91840	93710	1.10	8.0	13.8	
6	0.668	4	0.500	0.20	0.196	6.39	8.89	70480	71920	98020	100020	1.20	8.0	15.0	
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BEND TEST:

# 8	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:-

Only Nine Samples Received and Tested

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

Nasir Mahmood, CM **Test Performed By:** **Dr. /Engr.** Nauman Khurram

Elite Engineering (Pvt) Ltd.(Const Of PSO Fuel Dispensing Facility at Pak Railway W/S Lahore)

Client Reference: Nil **SOM Lab Ref:** 4580 (Page-1/1)

Dated: 06-08-2024 **Dated:** 06-08-2024

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	1.506	6	0.751	0.44	0.443	14.44	20.23	72400	71910	101420	100740	1.30	8.0	16.3	
2	0.661	4	0.497	0.20	0.194	6.29	8.31	69360	71500	91610	94450	1.00	8.0	12.5	
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Witnessed By: Sagheer Ahmad (Elite Engineering Pvt Ltd)

BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Four Samples Received and Tested

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

M. Jameel
40-C-III Gulberg III Lahore.

Test Performed By: **Dr. /Engr.** Irfan Ul Hassan

Client Reference: Nil
Dated: 06-08-2024

SOM Lab Ref: 4581 (Page-1/1)
Dated: 06-08-2024

Test: Tension Test & Bend Test
Gauge Length: 8 inch

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	2.675	8	1.000	0.79	0.786	25.28	34.02	70580	70940	94970	95450	1.30	8.0	16.3	
2	2.647	8	0.995	0.79	0.778	24.77	34.00	69160	70220	94910	96370	1.30	8.0	16.3	
3	2.638	8	0.993	0.79	0.775	24.16	33.79	67450	68750	94340	96170	1.30	8.0	16.3	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Four Samples Received and Tested

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

Engr. Inzamam-Ul-Haq
Site Engineer SMA Sikander.(Monument Site Suki Kinari Naran)

Test Performed By: **Dr. /Engr.** Irfan Ul Hassan

Client Reference: Nil
Dated: 06-08-2024

SOM Lab Ref: 4582 (Page-1/1)
Dated: 06-08-2024

Test: Tension Test & Bend Test
Gauge Length: 8 inch

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	1.482	6	0.745	0.44	0.436	13.86	19.44	69490	70130	97440	98330	1.40	8.0	17.5	
2	1.486	6	0.746	0.44	0.437	13.86	19.36	69490	69970	97030	97700	1.50	8.0	18.8	
3	1.486	6	0.746	0.44	0.437	13.86	19.52	69490	69970	97850	98520	1.40	8.0	17.5	
4	0.679	4	0.505	0.20	0.200	6.39	8.77	70480	70480	96670	96670	1.20	8.0	15.0	
5	0.669	4	0.501	0.20	0.197	6.32	8.89	69700	70760	98020	99510	1.30	8.0	16.3	
6	0.661	4	0.497	0.20	0.194	6.30	8.72	69470	71620	96110	99080	1.30	8.0	16.3	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Eight Samples Received and Tested

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

Li Wentao **Test Performed By:** **Dr. /Engr.** Irfan Ul Hassan

CCECC-HCS JV.(Expension of Terminal Building and Allied Facilities at AIIAP, Lahore)

Client Reference: CCECCHCSJVIIAP2024-169 **SOM Lab Ref:** 4584 (Page-1b/1)

Dated: 06-08-2024 **Dated:** 06-08-2024

Test: Tension Test & Bend Test **Test Specification:** ASTM-A-615 Deformed Bar (Aziz Industries)

Gauge Length: 8 inch **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	1.064	5	0.631	0.31	0.313	10.09	15.26	71800	71110	108570	107530	1.00	8.0	12.5	H # 666
2	1.057	5	0.629	0.31	0.311	9.99	15.36	71070	70850	109290	108940	1.10	8.0	13.8	H # 666
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BEND TEST:

# 5	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 Wentao **Test Performed By:** **Dr. /Engr.** Irfan Ul Hassan

CCECC-HCS JV.(Expension of Terminal Building and Allied Facilities at AIIAP, Lahore)

Client Reference: CCECCHCSJVIIAP2024-169 **SOM Lab Ref:** 4584 (Page-1a/1)

Dated: 06-08-2024 **Dated:** 06-08-2024

Test: Tension Test & Bend Test **Test Specification:** ASTM-A-615

Gauge Length: 8 inch **Sample Type:** Deformed Bar (Aziz Industries)

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	3.392	9	1.127	1.00	0.997	29.43	47.78	64910	65100	105370	105690	1.30	8.0	16.3	H # 682
2	3.390	9	1.126	1.00	0.996	29.44	47.88	64930	65190	105600	106020	1.20	8.0	15.0	H # 682
3	1.498	6	0.748	0.44	0.440	14.88	21.58	74600	74600	108170	108170	1.20	8.0	15.0	H # 156
4	1.507	6	0.751	0.44	0.443	13.25	21.61	66430	65980	108320	107590	1.30	8.0	16.3	H # 156
5	1.503	6	0.750	0.44	0.442	13.20	21.61	66170	65870	108320	107830	1.10	8.0	13.8	H # 166
6	1.496	6	0.748	0.44	0.440	13.32	21.48	66780	66780	107660	107660	1.20	8.0	15.0	H # 166
7	1.507	6	0.751	0.44	0.443	13.35	21.56	66940	66480	108070	107330	1.10	8.0	13.8	H # 663
8	1.499	6	0.749	0.44	0.441	13.25	21.68	66430	66280	108680	108430	1.20	8.0	15.0	H # 663
9	1.499	6	0.749	0.44	0.441	12.74	20.92	63870	63730	104850	104610	1.30	8.0	16.3	H # 671
10	1.498	6	0.748	0.44	0.440	13.05	20.85	65400	65400	104490	104490	1.20	8.0	15.0	H # 671

BEND TEST:

# 9	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
# 6	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Fifteen Samples Received and Tested

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