Client Reference No.: KPCIP/PMCSC/CW-01/Lot-2/467 **Dated:** 17-10-2024

SOM Lab Ref: CED/SOM/034 **Dated:** 21-10-2024

Test Type: Bending Test of False Ceiling (Arish)

Test Performed by: Dr. Asad Ali Gillani

Mir Yaqoob Khan Barakzai

The Engineer / Resident Engineer

PMCSC-KPCIP

(Khyber Pakhtukhwa Cities Improvement Project OCB/KPCIP/CW-01: Development of Urban/Green Spaces and Parks: Lot-2 Sports Complex, Kohat)

This is with reference to your above-mentioned letter and SOM receipt No. 034 dated: 21-10-2024. The sample of False Ceiling (Arish) submitted in the Laboratory has been tested and the result is provided below.

Bend Test Result

Sr #	Sample Size	Ultimate Load	Remarks
1	600 x 600 x 7 mm	66 kg	The sample was cracked at this load

Test Performed By: Dr Asad Ali Gillani

Sanawar Usman
Resident Engineer ACES,
HRL Main Office, Sector-I DHA Multan
(Road Works at Sector-I, G & N –DHA Multan)

Client Reference: RE/Sec-I,N & G/Gen/224 Dated: 18-10-2024
SOM Laboratory Reference: CED/SOM/056(Page-1/1) Dated: 21-10-2024
Test: Compressive Strength Tests
Sample Type: Cat Eyes (Yellow, White) (Brand 3M)

Test Results

Sr. No.	Sample Type	Top Dimensions (mm)	Bottom Dimensions (mm)	Thickness (mm)	Inclination (Degree)	Compression Load (Kg)
1	Cat Eyes (Yellow)	70.2 x 44.7	101.4 x 89.2	15.3	29.52^{o}	15882
2	Cat Eyes (Yellow)	70.1 x 44.6	101.0 x 89.0	15.2	30.73^{o}	13119

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

Test Performed by: Dr.Asad Ali Gillani

M/S Progress Dynamics (Pvt) Ltd
Lahore.

Client Ref.No.: Nil Dated: 21-10-2024

SOM Lab Ref: CED/SOM/067 (Page 1/1) Dated: 22-10-2024

Test Type: Tensile Test **Specification:** ASTM A-516

Sample Type: MS Plates (Mark: Uni) **Gauge Length:** 2 inches

Tensile Test Results

Sr. No.	Sample Type	Size of strip (mm)	X Section Area (mm^2)	Yield Load (kN)	Ultimate Load (kN)	Yield Stress (MPa)	Ultimate Tensile Stress (MPa)	Elongation (inch)	% Elongation
1	MS Plate (16mm)	40.2 x 16.10	647.22	236.20	347.50	364.95	536.91	0.70	35.00
2	MS Plate (10mm)	41.6 x 10.00	416.00	174.00	221.20	418.27	531.73	0.70	35.00

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

Sheikh Maqbool, RE **Test Performed By:** **Dr. /Engr.** Wasim Abbas

NESPAK Lahore.(Renovation of Gaddafi Stadium Lahore Project)

Client Reference: RE/4521/04/MH/32 **Dated:** 17-10-2024

SOM Lab Ref: CED/SOM/052 (Page-1/1) **Dated:** 21-10-2024

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

Sample Type: Deformed Bar (Mughal Steel) **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	3.829	25	24.93	491	488	248.20	343.70	506	509	700	705	37.5	200	18.8	
2	3.838	25	24.95	491	489	249.20	344.00	508	510	701	704	35.0	200	17.5	
3	0.888	12	12.00	113	113	58.50	71.20	517	518	630	630	25.0	200	12.5	
4	0.874	12	11.91	113	111	59.70	72.70	528	537	643	654	27.5	200	13.8	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack
12mm	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples Received and Tested

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

Executive Engineer **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Highway Div Nankana Sahib.(Rehb/Impro From Syedwala to Jaranwala Distt Nankana)

Client Reference: 1902/M/CB **SOM Lab Ref:** 035 (Page-1/1)

Dated: 09-10-2024 **Dated:** 21-10-2024

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	1.503	6	0.750	0.44	0.442	12.66	19.13	63460	63180	95910	95470	1.40	8.0	17.5	
2	1.504	6	0.750	0.44	0.442	15.57	20.82	78020	77670	104340	103860	1.30	8.0	16.3	
3	0.669	4	0.501	0.20	0.197	6.37	8.58	70260	71330	94650	96090	1.00	8.0	12.5	
4	0.670	4	0.501	0.20	0.197	6.37	8.99	70260	71330	99150	100660	1.00	8.0	12.5	
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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 Six Samples Received and Tested

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

Muhammad Farhad, XEN **Test Performed By:** **Dr. /Engr.** Irfan Ul Hassan

GE (A) Svcs LRC.(Const of U/G Water Tank at Bashir Line and MML at Lhr Cantt)

Client Reference: 6001-A/94/07/E-6 **SOM Lab Ref:** 036 (Page-1/1)

Dated: 18-10-2024 **Dated:** 21-10-2024

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	1.505	6	0.750	0.44	0.442	13.66	19.57	68470	68160	98100	97660	1.20	8.0	15.0	
2	1.433	6	0.732	0.44	0.421	13.25	18.25	66430	69420	91460	95590	1.10	8.0	13.8	
3	0.641	4	0.489	0.20	0.188	6.32	9.40	69700	74140	103640	110260	0.90	8.0	11.3	
4	0.650	4	0.493	0.20	0.191	6.14	9.30	67670	70860	102520	107350	1.00	8.0	12.5	
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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 Six Samples Received and Tested

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

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

Director PMO UMT Lahore.(For Exhibition Building)

Client Reference: EXB-1/20 **SOM Lab Ref:** 037 (Page-1/1)

Dated: 17-10-2024 **Dated:** 21-10-2024

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

Gauge Length: 8 inch **Sample Type:** Deformed Bar (Hunza 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	1.509	6	0.751	0.44	0.443	14.50	19.08	72660	72170	95650	95000	1.30	8.0	16.3	
2	1.501	6	0.749	0.44	0.441	13.88	18.83	69590	69440	94370	94160	1.50	8.0	18.8	
3	0.671	4	0.501	0.20	0.197	6.49	8.63	71610	72700	95210	96660	1.20	8.0	15.0	
4	0.671	4	0.501	0.20	0.197	6.42	8.56	70820	71900	94420	95860	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 Six Samples Received and Tested

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

Prime Steel Re-Rolling Mills
Sheikhupura.

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

Client Reference: Nil
Dated: 21-10-2024

SOM Lab Ref: 039 (Page-1/12)
Dated: 21-10-2024

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

Test Specification: ASTM-A-615
Sample Type: Deformed Bar (Prime 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	1.526	6	0.755	0.44	0.448	13.46	20.80	67450	66240	104230	102370	1.00	8.0	12.5	H # 1
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BEND TEST:

# 6	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

Prime Steel Re-Rolling Mills
Sheikhupura.

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

Client Reference: Nil
Dated: 21-10-2024

SOM Lab Ref: 039 (Page-2/12)
Dated: 21-10-2024

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

Test Specification: ASTM-A-615
Sample Type: Deformed Bar (Prime 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	1.519	6	0.754	0.44	0.446	13.66	21.81	68470	67550	109340	107870	1.00	8.0	12.5	H # 2
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BEND TEST:

# 6	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

Prime Steel Re-Rolling Mills
Sheikhupura.

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

Client Reference: Nil
Dated: 21-10-2024

SOM Lab Ref: 039 (Page-3/12)
Dated: 21-10-2024

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

Test Specification: ASTM-A-615
Sample Type: Deformed Bar (Prime 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	1.520	6	0.754	0.44	0.447	13.86	21.89	69490	68400	109700	107980	1.10	8.0	13.8	H # 3
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BEND TEST:

# 6	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

Prime Steel Re-Rolling Mills
Sheikhupura.

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

Client Reference: Nil
Dated: 21-10-2024

SOM Lab Ref: 039 (Page-4/12)
Dated: 21-10-2024

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

Test Specification: ASTM-A-615
Sample Type: Deformed Bar (Prime 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	1.526	6	0.755	0.44	0.448	13.58	21.05	68060	66850	105510	103630	1.10	8.0	13.8	H # 4
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BEND TEST:

# 6	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

Prime Steel Re-Rolling Mills
Sheikhupura.

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

Client Reference: Nil
Dated: 21-10-2024

SOM Lab Ref: 039 (Page-5/12)
Dated: 21-10-2024

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

Test Specification: ASTM-A-615
Sample Type: Deformed Bar (Prime 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	1.488	6	0.746	0.44	0.437	12.23	19.11	61320	61740	95800	96460	1.30	8.0	16.3	H # 5
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BEND TEST:

# 6	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

Prime Steel Re-Rolling Mills
Sheikhupura.

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

Client Reference: Nil
Dated: 21-10-2024

SOM Lab Ref: 039 (Page-6/12)
Dated: 21-10-2024

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

Test Specification: ASTM-A-615
Sample Type: Deformed Bar (Prime 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	1.527	6	0.756	0.44	0.449	13.46	20.23	67450	66100	101420	99390	1.10	8.0	13.8	H # 6
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BEND TEST:

# 6	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

Prime Steel Re-Rolling Mills
Sheikhupura.

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

Client Reference: Nil
Dated: 21-10-2024

SOM Lab Ref: 039 (Page-7/12)
Dated: 21-10-2024

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

Test Specification: ASTM-A-615
Sample Type: Deformed Bar (Prime 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	1.506	6	0.751	0.44	0.443	13.58	20.82	68060	67600	104340	103630	1.10	8.0	13.8	H # 7
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BEND TEST:

# 6	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

Prime Steel Re-Rolling Mills
Sheikhupura.

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

Client Reference: Nil
Dated: 21-10-2024

SOM Lab Ref: 039 (Page-8/12)
Dated: 21-10-2024

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

Test Specification: ASTM-A-615
Sample Type: Deformed Bar (Prime 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	1.519	6	0.754	0.44	0.446	14.48	22.53	72560	71580	112920	111400	0.80	8.0	10.0	H # 8
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BEND TEST:

# 6	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

Prime Steel Re-Rolling Mills
Sheikhupura.

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

Client Reference: Nil
Dated: 21-10-2024

SOM Lab Ref: 039 (Page-9/12)
Dated: 21-10-2024

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

Test Specification: ASTM-A-615
Sample Type: Deformed Bar (Prime 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	1.520	6	0.754	0.44	0.447	14.27	21.33	71540	70410	106890	105220	1.10	8.0	13.8	H # 9
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BEND TEST:

# 6	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

Prime Steel Re-Rolling Mills
Sheikhupura.

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

Client Reference: Nil
Dated: 21-10-2024

SOM Lab Ref: 039 (Page-10/12)
Dated: 21-10-2024

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

Test Specification: ASTM-A-615
Sample Type: Deformed Bar (Prime 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	1.538	6	0.759	0.44	0.452	13.97	21.43	70000	68140	107400	104550	1.10	8.0	13.8	H # 10
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BEND TEST:

# 6	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

Prime Steel Re-Rolling Mills
Sheikhupura.

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

Client Reference: Nil
Dated: 21-10-2024

SOM Lab Ref: 039 (Page-11/12)
Dated: 21-10-2024

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

Test Specification: ASTM-A-615
Sample Type: Deformed Bar (Prime 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	1.530	6	0.757	0.44	0.450	14.07	22.27	70510	68950	111640	109160	1.00	8.0	12.5	H # 11
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BEND TEST:

# 6	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

Prime Steel Re-Rolling Mills
Sheikhupura.

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

Client Reference: Nil
Dated: 21-10-2024

SOM Lab Ref: 039 (Page-12/12)
Dated: 21-10-2024

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

Test Specification: ASTM-A-615
Sample Type: Deformed Bar (Prime 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	1.545	6	0.760	0.44	0.454	14.48	21.81	72560	70320	109340	105970	0.90	8.0	11.3	H # 12
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BEND TEST:

# 6	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

Nasir Mahmood, CM **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Elite Engineering (Pvt) Ltd.(Project: Sitara 3 JAYS Tower)

SOM Lab

Client Reference: EEPL/08/EL-13 **Ref:** 040 (Page-1/1)

Dated: 21-10-2024 **Dated:** 21-10-2024

Test: Tension Test & Bend 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	2.689	8	1.003	0.79	0.790	27.54	35.17	76900	76900	98180	98180	1.50	8.0	18.8	
2	2.696	8	1.004	0.79	0.792	27.93	35.47	77980	77780	99030	98780	1.40	8.0	17.5	
3	0.665	4	0.498	0.20	0.195	6.44	8.53	71040	72870	94090	96500	1.30	8.0	16.3	
4	0.664	4	0.498	0.20	0.195	6.49	8.56	71610	73440	94420	96850	1.20	8.0	15.0	
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BEND TEST:

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

Note:-

Only Six Samples Received and Tested

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

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

Head Const Site. ABL-UML-P#199-200.(Const Of ABL Upper Mall Lahore Plot No 199,200)

Client Reference: ABL-UML-AMC-QAQC-92 **SOM Lab Ref:** 041 (Page-1/1)

Dated: 21-10-2024 **Dated:** 21-10-2024

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

Gauge Length: 8 inch **Sample Type:** Deformed Bar (FF 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	2.632	8	0.992	0.79	0.773	25.23	34.48	70440	71980	96250	98360	1.40	8.0	17.5	
2	2.591	8	0.984	0.79	0.761	24.06	33.46	67160	69720	93400	96960	1.30	8.0	16.3	
3	1.461	6	0.739	0.44	0.429	14.37	19.37	72050	73890	97080	99570	1.10	8.0	13.8	
4	1.465	6	0.741	0.44	0.431	14.32	18.98	71790	73290	95140	97130	1.00	8.0	12.5	
5	1.053	5	0.627	0.31	0.309	10.88	14.34	77380	77630	102040	102370	1.40	8.0	17.5	
6	1.043	5	0.625	0.31	0.307	10.42	13.86	74120	74840	98630	99590	1.20	8.0	15.0	
7	0.664	4	0.498	0.20	0.195	6.37	8.28	70260	72060	91280	93620	1.30	8.0	16.3	
8	0.662	4	0.498	0.20	0.195	6.39	8.26	70480	72290	91050	93390	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
# 5	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Twelve Samples Received and Tested

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

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

Construction Company Sheikhupura.(Mezzanine Floor Tapal Tea)

Client Reference: Steel Test **SOM Lab Ref:** 042(Page-1/1)

Dated: 21-10-2024 **Dated:** 21-10-2024

Test: Tension Test & Bend 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	2.636	8	0.993	0.79	0.775	27.01	35.32	75420	76880	98610	100520	1.30	8.0	16.3	
2	1.494	6	0.748	0.44	0.439	14.83	19.57	74350	74510	98100	98330	1.30	8.0	16.3	
3	0.663	4	0.498	0.20	0.195	6.85	8.94	75540	77480	98580	101110	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 Six Samples Received and Tested

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

M. Saleem **Test Performed By:** **Dr. /Engr.** Wasim Abbas

Construction Company Sheikhupura.(Extension Special Sewing Machine Hall at Garment Unit)

Client Reference: Steel Test **SOM Lab Ref:** 043(Page-1/1)

Dated: 21-10-2024 **Dated:** 21-10-2024

Test: Tension Test & Bend 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	2.642	8	0.994	0.79	0.776	24.89	34.35	69500	70750	95900	97630	1.50	8.0	18.8	
2	1.479	6	0.744	0.44	0.435	14.44	19.34	72400	73240	96930	98040	1.50	8.0	18.8	
3	0.670	4	0.501	0.20	0.197	6.52	8.66	71940	73040	95550	97000	1.00	8.0	12.5	
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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 Six Samples Received and Tested

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

Khurram Shahzad
Lahore.(Project: Ali Trade Center Lahore)

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

Client Reference: Nil
Dated: 21-10-2024

SOM Lab Ref: 044 (Page-1/1)
Dated: 21-10-2024

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	2.632	8	0.992	0.79	0.773	32.62	38.35	91070	93070	107060	109410	1.30	8.0	16.3	
2	2.662	8	0.998	0.79	0.782	24.26	39.11	67730	68430	109190	110310	1.20	8.0	15.0	
3	1.453	6	0.737	0.44	0.427	17.74	21.27	88910	91610	106640	109880	1.00	8.0	12.5	
4	1.469	6	0.742	0.44	0.432	17.94	22.12	89930	91590	110880	112930	1.00	8.0	12.5	
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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

Note:-

Only Six Samples Received and Tested

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

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

PM Nine Arches Lahore.(132 E1 Liberty Chowk Gulberg 2 Lahore)

Client Reference: Nil **SOM Lab Ref:** 045(Page-1/1)

Dated: 20-10-2024 **Dated:** 21-10-2024

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	2.646	8	0.995	0.79	0.778	24.77	34.40	69160	70220	96050	97530	1.40	8.0	17.5	
2	2.651	8	0.996	0.79	0.779	22.94	33.79	64030	64940	94340	95670	1.40	8.0	17.5	
3	1.486	6	0.746	0.44	0.437	14.85	20.56	74450	74960	103060	103770	1.30	8.0	16.3	
4	1.488	6	0.746	0.44	0.437	14.65	20.34	73430	73930	101940	102640	1.40	8.0	17.5	
5	0.662	4	0.498	0.20	0.195	7.22	9.35	79590	81630	103080	105720	1.00	8.0	12.5	
6	0.664	4	0.498	0.20	0.195	6.85	9.28	75540	77480	102290	104920	1.00	8.0	12.5	
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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

Li Wentao **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

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

Client Reference: CCECCHCSJVIIAP2024-299 **SOM Lab Ref:** 046 (Page-1/2)

Dated: 15-10-2024 **Dated:** 21-10-2024

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	1.485	6	0.745	0.44	0.436	13.78	20.71	69080	69720	103830	104780	1.20	8.0	15.0	
2	1.479	6	0.744	0.44	0.435	13.68	20.85	68570	69360	104490	105690	1.10	8.0	13.8	
3	1.033	5	0.622	0.31	0.304	10.72	14.95	76300	77800	106390	108490	1.10	8.0	13.8	
4	1.038	5	0.623	0.31	0.305	10.72	15.01	76300	77550	106750	108500	1.00	8.0	12.5	
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BEND TEST:

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

Note:-

Only Six 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.** Asad Ali Gillani

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

Client Reference: CCECCHCSJVIIAP2024-292 **SOM Lab Ref:** 046 (Page-2/2)

Dated: 12-10-2024 **Dated:** 21-10-2024

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	1.489	6	0.747	0.44	0.438	14.09	19.32	70620	70940	96830	97270	1.30	8.0	16.3	
2	1.474	6	0.743	0.44	0.433	14.29	19.42	71640	72800	97340	98910	1.40	8.0	17.5	
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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

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

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

Client Reference: CCECCHCSJVIIAP2024-315 **SOM Lab Ref:** 047 (Page-1/1)

Dated: 21-10-2024 **Dated:** 21-10-2024

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

Gauge Length: 8 inch **Sample Type:** Deformed Bar (Kamran 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	2.629	8	0.992	0.79	0.773	24.18	34.71	67500	68990	96900	99030	1.20	8.0	15.0	
2	2.642	8	0.994	0.79	0.776	24.06	34.71	67160	68370	96900	98650	1.10	8.0	13.8	
3	1.482	6	0.745	0.44	0.436	14.02	20.23	70260	70900	101420	102350	1.40	8.0	17.5	
4	1.489	6	0.747	0.44	0.438	13.93	20.13	69850	70170	100910	101370	1.40	8.0	17.5	
5	1.060	5	0.630	0.31	0.312	9.53	13.30	67810	67380	94640	94040	1.40	8.0	17.5	
6	1.059	5	0.629	0.31	0.311	9.50	13.20	67590	67380	93920	93620	1.40	8.0	17.5	
7	0.652	4	0.494	0.20	0.192	6.80	9.02	74980	78100	99480	103630	0.90	8.0	11.3	
8	0.653	4	0.494	0.20	0.192	6.57	8.79	72510	75530	96900	100930	1.00	8.0	12.5	
9	0.650	4	0.493	0.20	0.191	6.44	8.87	71040	74390	97800	102400	1.00	8.0	12.5	
10	0.650	4	0.493	0.20	0.191	6.75	9.14	74420	77920	100830	105580	1.00	8.0	12.5	

Witnessed By: Nespak, Ijaz (SLT,CCECC)

BEND TEST:

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

Sub Divisional officer, **Test Performed By:** **Dr. /Engr.** Nauman Khurram
BSD No.12 Lhr.(Institutional Strengthing of Primary & Secondary Health Care Deptt Punjab)

Client Reference: 545
Dated: 19-10-2024

SOM Lab Ref: 048 (Page-1/1)
Dated: 21-10-2024

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	2.640	8	0.994	0.79	0.776	27.22	36.41	75980	77360	101650	103490	1.10	8.0	13.8	
2	2.662	8	0.998	0.79	0.782	27.17	35.88	75840	76620	100170	101200	1.00	8.0	12.5	
3	1.513	6	0.753	0.44	0.445	16.99	20.76	85180	84220	104080	102910	1.10	8.0	13.8	
4	1.514	6	0.753	0.44	0.445	16.94	20.74	84920	83970	103980	102810	1.00	8.0	12.5	
5	0.661	4	0.497	0.20	0.194	6.12	8.89	67450	69530	98020	101050	1.40	8.0	17.5	
6	0.658	4	0.496	0.20	0.193	6.19	8.92	68230	70710	98360	101930	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

Sheikh Maqbool, RE **Test Performed By:** **Dr. /Engr.** Wasim Abbas
NESPAK Lahore.(Renovation of Gaddafi Stadium Lahore Project)

Client Reference: RE/GSRP/4521/04/MH/26 **SOM Lab Ref:** 049(Page-1/1)
Dated: 12-10-2024 **Dated:** 21-10-2024

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	2.659	8	0.997	0.79	0.781	24.41	34.35	68160	68940	95900	97010	1.50	8.0	18.8	
2	2.658	8	0.997	0.79	0.781	25.03	35.29	69870	70670	98520	99660	1.30	8.0	16.3	
3	1.511	6	0.752	0.44	0.444	13.81	19.22	69240	68610	96320	95450	1.30	8.0	16.3	
4	1.506	6	0.751	0.44	0.443	14.02	19.39	70260	69780	97180	96530	1.30	8.0	16.3	
5	0.667	4	0.500	0.20	0.196	6.07	9.30	66890	68250	102520	104610	1.00	8.0	12.5	
6	0.665	4	0.498	0.20	0.195	6.14	9.48	67670	69410	104540	107220	1.00	8.0	12.5	
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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

Sheikh Maqbool, RE **Test Performed By:** **Dr. /Engr.** Wasim Abbas
NESPAK Lahore.(Renovation of Gaddafi Stadium Lahore Project)

Client Reference: RE/GSRP/4521/04/MH/36 **SOM Lab Ref:** 050(Page-1/1)
Dated: 17-10-2024 **Dated:** 21-10-2024

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	2.665	8	0.998	0.79	0.783	24.49	34.42	68360	68970	96100	96960	1.40	8.0	17.5	
2	2.664	8	0.998	0.79	0.783	24.41	34.35	68160	68770	95900	96760	1.20	8.0	15.0	
3	1.511	6	0.752	0.44	0.444	12.25	19.80	61420	60870	99230	98330	1.40	8.0	17.5	
4	1.506	6	0.751	0.44	0.443	13.27	21.56	66530	66080	108070	107330	1.20	8.0	15.0	
5	1.035	5	0.622	0.31	0.304	11.08	14.24	78830	80390	101310	103310	1.10	8.0	13.8	
6	1.041	5	0.624	0.31	0.306	11.06	14.14	78690	79720	100590	101900	1.00	8.0	12.5	
7	0.671	4	0.501	0.20	0.197	6.14	8.74	67670	68700	96340	97800	1.00	8.0	12.5	
8	0.665	4	0.498	0.20	0.195	6.34	8.94	69920	71710	98580	101110	0.90	8.0	11.3	
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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
# 5	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Twelve Samples Received and Tested

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

Tariq Fetah **Test Performed By:** **Dr. /Engr.** Wasim Abbas

PM Jilani Poly Construction.(Const Of Jilani Poly-2 Gravaure Extension Sheikhpura)

Client Reference: JP-2/UET/2024/S-006 **SOM Lab Ref:** 053-055 (Page-1/2)

Dated: 21-10-2024 **Dated:** 21-10-2024

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

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

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	2.607	8	0.988	0.79	0.766	27.42	33.66	76550	78950	93970	96910	1.50	8.0	18.8	
2	2.611	8	0.988	0.79	0.767	26.27	33.03	73340	75540	92210	94970	1.40	8.0	17.5	
3	1.479	6	0.744	0.44	0.435	13.58	18.96	68060	68840	95040	96130	1.50	8.0	18.8	
4	1.494	6	0.748	0.44	0.439	14.27	19.11	71540	71700	95800	96020	1.50	8.0	18.8	
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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

Note:-

Only Six Samples Received and Tested

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

Tariq Fetah **Test Performed By:** **Dr. /Engr.** Wasim Abbas

PM Jilani Poly Construction.(Const Of Jilani Poly-2 Gravaure Extension Sheikhpura)

Client Reference: JP-2/UET/2024/S-007 **SOM Lab Ref:** 053-055 (Page-2/2)

Dated: 21-10-2024 **Dated:** 21-10-2024

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

Gauge Length: 8 inch **Sample Type:** Deformed Bar (Mehboob Super)

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	0.664	4	0.498	0.20	0.195	6.80	8.48	74980	76900	93530	95920	1.00	8.0	12.5	
2	0.662	4	0.498	0.20	0.195	6.39	8.02	70480	72290	88470	90740	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

Assistant Resident Engineer **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

MMP (Pvt) Ltd. Pkg # I PCP Jhelum.(Installation of Street Lights in Jhelum City)

Client Reference: ARE/JHE-ISL/MC-08 **SOM Lab Ref:** 054(Page-1/1)

Dated: 21-10-2024 **Dated:** 21-10-2024

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	0.666	4	0.500	0.20	0.196	6.35	8.97	70030	71460	98920	100940	1.30	8.0	16.3	
2	0.666	4	0.500	0.20	0.196	6.37	8.97	70260	71690	98920	100940	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