Client Reference No.: MMP/1095/Jaranwala/RPC/05/2024 **Dated:** 05-03-2024

SOM Lab Ref: CED/SOM/3758 **Dated:** 06-03-2024

Test Type: Load Test of RPC Manhole Cover (Rafique Traders)

Test Standard: Non-standard test was performed as per requirement of the client [Application of load at the center of the Manhole Cover through circular thick(27.7mm) steel plate of 43.85cm diameter]

Test Performed by: Dr. Asad Ali Gillani

Shakir Aziz Dawar,
Assistant Resident Engineer
Punjab Cities Program Pkg-III Jaranwala. (MMP)
Rehb.of Drain of Disposal Works Chak No 128 & Providing and Fixing Manholes Cover (Package-03) in Jaranwala City

This is with reference to your above-mentioned letter and SOM receipt No. 3758 dated: 06-03-2024. The sample of RPC Manhole Cover submitted in the Laboratory has been tested and the result is provided below.

Load Test Result

Diameter of Manhole Cover	Average Thickness of Manhole Cover	Maximum Load	Observations/Remarks
647 mm	76.2mm	8900 kg	The sample was cracked at this load

Witnessed by: Shakir Aziz Dawar (ARE/MMP Jaranwala City)

Test Performed By: Dr. Asad Ali Gillani

M.Faraz
Laboratory In Charge
CMEC Haveli Bahadur Shah,Jhang.
(Construction of 1263MW Punjab Thermal Power Plant,Jhang)

Client Reference: CMEC/UET/24030301 Dated:02-03-2024

SOM Laboratory Reference: CED/SOM/3759(Page-1/1) Dated:06-03-2024

Test: Weld Test

Sample Type: Deformed Bar

Weld Test

Sr.No	Sample Type	Weld Length	Ultimate Load (kN)	Ultimate Stress (MPa)	Remarks
1	Deformed Bar (28mm)	200mm	272.7	443	Steel breaks at this load
2	Deformed Bar (28mm)	200mm	354.7	576	Steel breaks at this load
3	Deformed Bar (25mm)	210mm	292.5	596	Steel breaks at this load
4	Deformed Bar (25mm)	200mm	308.2	628	Steel breaks at this load
5	Deformed Bar (20mm)	200mm	203.7	648	Steel breaks at this load
6	Deformed Bar (20mm)	200mm	193.7	617	Steel breaks at this load
7	Deformed Bar (16mm)	200mm	128.5	639	Steel breaks at this load
8	Deformed Bar (16mm)	200mm	134.2	667	Steel breaks at this load

Witnessed By: Sheikh Waleed (Sr.Engr,NESPAK)

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

Test Performed by: .S. Asad Ali Gillani

Ahsan Zubair
Resident Engineer
NESPAK Lahore
(Re-Modeling of Shadara Station in Lahore Metro Bus System “MBS”

Client Reference No.: 4725/03/AZ/01/14 Dated: 20-02-2024

SOM Lab Ref: CED/SOM/3760 (Page 1/4) Dated: 06-03-2024

Test Type: Tensile Test & Bend Test **Specification:** ASTM A-36

Sample Type: Steel Box (50x50x2mm) **Gauge Length:** 2 inches

Tensile and Bend 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 (inch)	% Elongation
1	26.0 x 2.10	54.60	19.70	27.20	360.81	498.17	0.50	25.00
2	Steel Box (50x50x2mm) strip sample Bend through 180 degrees satisfactorily without any crack							

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

Test Performed by: .S. Asad Ali Gillani

Ahsan Zubair
Resident Engineer
NESPAK Lahore
(Re-Modeling of Shadara Station in Lahore Metro Bus System "MBS"

Client Reference No.: 4725/03/AZ/01/08 Dated: 20-02-2024

SOM Lab Ref: CED/SOM/3760 (Page 2/4) Dated: 06-03-2024

Test Type: Tensile Test & Bend Test **Specification:** ASTM A-36

Sample Type: Steel Circular Pipes (100x4mm), (100x6mm) **Gauge Length:** 2 inches

Tensile and Bend 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 (inch)	% Elongation
1	24.0 x 4.20	100.80	36.00	49.50	357.14	491.07	0.60	30.00
2	24.0 x 6.10	146.40	50.00	65.70	341.53	448.77	0.50	25.00
3	Steel Circular Pipes (100x4mm) strip sample Bend through 180 degrees satisfactorily without any crack							
4	Steel Circular Pipes (100x6mm) strip sample Bend through 180 degrees satisfactorily without any crack							

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

Test Performed by: .S. Asad Ali Gillani

Ahsan Zubair
Resident Engineer
NESPAK Lahore
(Re-Modeling of Shadara Station in Lahore Metro Bus System "MBS"

Client Reference No.: 4725/03/AZ/01/12 Dated: 20-02-2024

SOM Lab Ref: CED/SOM/3760 (Page 3/4) Dated: 06-03-2024

Test Type: Tensile Test & Bend Test **Specification:** ASTM A-36

Sample Type: Steel Box (100x100x4mm), (100x100x6mm) **Gauge Length:** 2 inches

Tensile and Bend 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 (inch)	% Elongation
1	24.0 x 4.10	98.40	34.70	48.50	352.64	492.89	0.60	30.00
2	24.0 x 6.10	146.40	47.00	62.70	321.04	428.28	0.50	25.00
3	Steel Box (100x100x4mm)strip sample Bend through 180 degrees satisfactorily without any crack							
4	Steel Box (100x100x6mm)strip sample Bend through 180 degrees satisfactorily without any crack							

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

Test Performed by: .S. Asad Ali Gillani

Ahsan Zubair
Resident Engineer
NESPAK Lahore
(Re-Modeling of Shadara Station in Lahore Metro Bus System "MBS"

Client Reference No.: 4725/03/AZ/01/06 Dated: 20-02-2024

SOM Lab Ref: CED/SOM/3760 (Page 4/4) Dated: 06-03-2024

Test Type: Tensile Test & Bend Test **Specification:** ASTM A-36

Sample Type: Base Plates (250x300x12mm), (400x350x25mm) **Gauge Length:** 2 inches

Tensile and Bend 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 (inch)	% Elongation
1	27.0 x 12.10	326.70	120.00	177.50	367.31	543.31	0.50	25.00
2	29.0 x 25.15	729.35	279.00	380.70	382.53	521.97	0.60	30.00
3	Base Plates (250x300x12mm) strip sample Bend through 180 degrees satisfactorily without any crack							
4	Base Plates (400x350x25mm) strip sample Bend through 180 degrees satisfactorily without any crack							

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

Test Performed by: .S. Asad Ali Gillani

Ahsan Zubair
Resident Engineer
NESPAK Lahore
(Re-Modeling of Shadara Station in Lahore Metro Bus System “MBS”

Client Reference No.: 4725/03/AZ/01/13 Dated: 20-02-2024

SOM Lab Ref: CED/SOM/3761 (Page 1/5) Dated: 06-03-2024

Test Type: Tensile Test & Bend Test **Specification:** ASTM A-36

Sample Type: Steel Box (50x50x3mm) **Gauge Length:** 2 inches

Tensile and Bend 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 (inch)	% Elongation
1	27.0 x 3.00	81.00	24.20	37.20	298.77	459.26	0.50	25.00
2	Steel Box (50x50x3mm) strip sample Bend through 180 degrees satisfactorily without any crack							

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

Test Performed by: .S. Asad Ali Gillani

Ahsan Zubair
Resident Engineer
NESPAK Lahore
(Re-Modeling of Shadara Station in Lahore Metro Bus System “MBS”

Client Reference No.: 4725/03/AZ/01/01 Dated: 20-02-2024

SOM Lab Ref: CED/SOM/3761 (Page 2/5) Dated: 06-03-2024

Test Type: Tensile Test & Bend Test **Specification:** ASTM A-36

Sample Type: Steel Box (75x75x3mm) **Gauge Length:** 2 inches

Tensile and Bend 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 (inch)	% Elongation
1	26.0 x 3.10	80.60	30.00	38.00	372.21	471.46	0.50	25.00
2	Steel Box (75x75x3mm) strip sample Bend through 180 degrees satisfactorily without any crack							

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

Test Performed by: .S. Asad Ali Gillani

Ahsan Zubair
Resident Engineer
NESPAK Lahore
(Re-Modeling of Shadara Station in Lahore Metro Bus System “MBS”

Client Reference No.: 4725/03/AZ/01/09 Dated: 20-02-2024

SOM Lab Ref: CED/SOM/3761 (Page 3/5) Dated: 06-03-2024

Test Type: Tensile Test & Bend Test **Specification:** ASTM A-36

Sample Type: Steel Box (150x200x4mm) **Gauge Length:** 2 inches

Tensile and Bend 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 (inch)	% Elongation
1	27.0 x 4.10	110.70	39.00	50.50	352.30	456.19	0.60	30.00
2	Steel Box (150x200x4mm) strip sample Bend through 180 degrees satisfactorily without any crack							

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

Test Performed by: .S. Asad Ali Gillani

Ahsan Zubair
Resident Engineer
NESPAK Lahore
(Re-Modeling of Shadara Station in Lahore Metro Bus System “MBS”

Client Reference No.: 4725/03/AZ/01/11 Dated: 20-02-2024

SOM Lab Ref: CED/SOM/3761 (Page 4/5) Dated: 06-03-2024

Test Type: Tensile Test & Bend Test **Specification:** ASTM A-36

Sample Type: Steel Box (150x200x7mm) **Gauge Length:** 2 inches

Tensile and Bend 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 (inch)	% Elongation
1	36.1 x 7.10	256.31	99.60	124.00	388.59	483.79	0.50	25.00
2	Steel Box (150x200x7mm) strip sample Bend through 180 degrees satisfactorily without any crack							

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

Test Performed by: .S. Asad Ali Gillani

Ahsan Zubair
Resident Engineer
NESPAK Lahore
(Re-Modeling of Shadara Station in Lahore Metro Bus System “MBS”

Client Reference No.: 4725/03/AZ/01/10 Dated: 20-02-2024

SOM Lab Ref: CED/SOM/3761 (Page 5/5) Dated: 06-03-2024

Test Type: Tensile Test & Bend Test **Specification:** ASTM A-36

Sample Type: Steel Box (150x200x8mm) **Gauge Length:** 2 inches

Tensile and Bend 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 (inch)	% Elongation
1	32.1 x 8.10	260.01	99.80	121.50	383.83	467.29	0.50	25.00
2	Steel Box (150x200x8mm) strip sample Bend through 180 degrees satisfactorily without any crack							

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

Test Performed by: .S. Asad Ali Gillani

Ahsan Zubair
Resident Engineer
NESPAK Lahore
(Re-Modeling of Shadara Station in Lahore Metro Bus System “MBS”

Client Reference No.: 4725/03/AZ/01/07 Dated: 20-02-2024

SOM Lab Ref: CED/SOM/3762 (Page 1/2) Dated: 06-03-2024

Test Type: Tensile Test & Bend Test **Specification:** ASTM F-1554

Sample Type: J-Bolt (Dia 25mm) **Gauge Length**: 8 Inches

Tension Test Results

Sr. No.	Diameter	Area	Yield Load	Ultimate Load	Yield stress	Ultimate stress	Elongation
	(mm)	(mm^2)	KN	KN	(Mpa)	(Mpa)	%
1	25	490.625	201.50	324.20	410.70	660.80	21.25

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

Test Performed by: .S. Asad Ali Gillani

Ahsan Zubair
Resident Engineer
NESPAK Lahore
(Re-Modeling of Shadara Station in Lahore Metro Bus System “MBS”

Client Reference No.: 4725/03/AZ/01/07 Dated: 20-02-2024

SOM Lab Ref: CED/SOM/3762 (Page 2/2) Dated: 06-03-2024

Test Type: Tensile Test & Bend Test **Specification:** ASTM F-1554

Sample Type: J-Bolt (Dia 12mm) **Gauge Length**: 2 Inches

Tension Test Results

Sr. No.	Diameter	Area	Ultimate Load	Ultimate stress	Elongation
	(mm)	(mm^2)	KN	(Mpa)	%
1	12	113.04	85.20	753.70	22.50

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

Muhammad Shargeel Nawaz
APM PMU NATH-e-Khalsa Multan Road Lahore

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

Client Reference: 60712/Proj/NLC
Dated: 01-03-2024
SOM Lab Ref: CED/SOM/3766(Page-1/2)
Dated: 06-03-2024
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	2.231	19	19.02	284	284	146.50	190.50	517	516	672	671	32.5	200	16.3	
2	1.554	16	15.88	201	198	96.70	127.70	481	489	635	646	35.0	200	17.5	
3	0.993	12	12.69	113	127	74.50	92.70	659	589	820	733	27.5	200	13.8	
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BEND TEST:

19mm	Sample bend through 180 degrees Satisfactorily without any crack
16mm	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

M Sabir Khan **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

Admin Manager Linker Developers.(Construction Of Quaid-E-Azam Public School Dream Garden Wazirabad)

Client Reference: Nil **SOM Lab Ref:** 3757(Page-1/1)

Dated: 06-03-2024 **Dated:** 06-03-2024

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

Gauge Length: 8 inch **Sample Type:** Deformed Bar (Naleem 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	1.498	6	0.748	0.44	0.440	13.20	20.41	66170	66170	102290	102290	1.30	8.0	16.3	
2	1.506	6	0.751	0.44	0.443	13.43	20.49	67290	66840	102700	102010	1.30	8.0	16.3	
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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

Assistant Project Director **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

PMU-SBP, Gujranwala.(Const Of Tehsil Sports Complex at Malikwal,M.B.Din)

Client Reference: ADP/PMU/SBP/GRW/534 **SOM Lab Ref:** 3763(Page-1/1)

Dated: 20-12-2023 **Dated:** 06-03-2024

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	1.206	6	0.671	0.44	0.354	11.62	19.03	58250	72400	95400	118570	0.90	8.0	11.3	
2	0.650	4	0.493	0.20	0.191	5.30	8.05	58460	61210	88800	92990	0.90	8.0	11.3	
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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 Four Samples Received and Tested

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

M/S Civool Steel Buildings
Lahore

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

Client Reference: Nil
Dated: 06-03-2024

SOM Lab Ref: 3764-
Dated: 06-03-24

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

Test Specification: ASTM-A-615
Sample Type: M S 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	1.475	6	0.743	0.44	0.433	14.44	19.42	72400	73570	97340	98910	1.20	8.0	15.0	
2	0.609	4	0.477	0.20	0.179	5.93	7.87	65420	73100	86780	96960	1.30	8.0	16.3	
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BEND TEST:

Sr. # 1	Sample bend through 180 degrees Satisfactorily without any crack
Sr. # 2	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

Safdar Iqbal,AE **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

AGE(A)-II Gwa.(Const Of Slders Flats (G+3),17 L/HQ6 Armd Div at Gwa Cantt)

Client Reference: 6000-8226/13/E-6 **SOM Lab Ref:** 3765 (Page-1/2)

Dated: 04-03-2024 **Dated:** 06-03-2024

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	2.664	8	0.998	0.79	0.783	23.70	32.72	66170	66760	91350	92170	1.60	8.0	20.0	
2	1.513	6	0.753	0.44	0.445	16.67	21.00	83540	82600	105260	104070	1.30	8.0	16.3	
3	1.035	5	0.622	0.31	0.304	10.16	12.64	72310	73730	89930	91700	1.30	8.0	16.3	
4	0.673	4	0.502	0.20	0.198	6.12	8.63	67450	68130	95210	96170	1.30	8.0	16.3	
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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 Eight Samples Received and Tested

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

Safdar Iqbal,AE **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

AGE(A)-II Gwa.(Const Of 1xB Type House, HQ 6 Armd Div at Gwa Cantt)

Client Reference: 6000-1125/11/E-6 **SOM Lab Ref:** 3765 (Page-2/2)

Dated: 04-03-2024 **Dated:** 06-03-2024

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	1.501	6	0.749	0.44	0.441	17.25	20.95	86450	86260	105000	104760	1.30	8.0	16.3	
2	1.041	5	0.624	0.31	0.306	9.96	12.46	70860	71780	88620	89780	1.30	8.0	16.3	
3	0.664	4	0.498	0.20	0.195	6.17	8.92	68010	69750	98360	100880	1.20	8.0	15.0	
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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
# 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 Shargeel Nawaz
APM PMU NATH-e-Khalsa Multan Road Lahore.

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

Client Reference: 60712/Proj/NLC
Dated: 01-03-2024

SOM Lab Ref: 3766(Page-2/2)
Dated: 06-03-2024

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

Test Specification: ASTM-A-615
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	2.649	8	0.995	0.79	0.778	25.20	35.12	70350	71440	98040	99550	1.50	8.0	18.8	
2	1.485	6	0.745	0.44	0.436	13.10	19.13	65660	66260	95910	96790	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 Four Samples Received and Tested

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