Test Performed by: S. Asad Ali Gillani

Hafiz Arsalan Ali
Assistant Resident Engineer
HA Consulting Lahore.
(Construction of NASTP DELTA Phase-III, Lahore)

Client Reference No.: 24/HAC/NASTP/1457 Dated: 30-11-2024

SOM Lab Ref: CED/SOM/355 (Page 1/1) Dated: 12-12-2024

Test Type: Tensile Test

Sample Type: J-Bolts (30mm,24mm)

Test Specification: ASTM – F-1554

Tensile Test Results

S No.	Sample Type	Sample Diameter before Test (mm)	Tested Diameter of J-Bolt (mm)	Yield Load (kN)	Ultimate Load (kN)	Yield Stress (MPa)	Ultimate Tensile Stress (MPa)	% Elongation
1	J-Bolt	30	21.0	136.0	188.5	392.9	544.5	35.0
2	J-Bolt	24	16.4	75.7	110.7	358.5	524.3	40.0

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

Test Performed by: Dr.S. Asad Ali Gillani

Fazeel Mehmood
Resident Engineer
NESPAK Rawalpindi. (Development of DHA-AWT Land Adyala)
(M/S Usman Engineering Pvt. Ltd)

Client Reference No.:***4592/103/ DHA-AWT/FM/102/75*** Dated: 10-12-2024

SOM Lab Ref: CED/SOM/357(P-1/1) Dated: 12-12-2024

Test Type: Flexural Strength & Crushing Strength Test **Standard: ASTM-C-875 - 98**

Sample Type: Asbestos Pipes (6 Inches) Brand: Three Star

Flexural Load Results

Sample No.	Diameter (mm)		Thickness (mm)	Length of the Tested Sample (unsupported span) (mm)	Flexural Load (kN)
	Outer	Inner			
1	170.0	151.0	9.5	1372	5.85

Crushing Load Results

Sample No.	Diameter (mm)		Thickness (mm)	Length of the Tested Sample (cm)	Crushing Load (kN)
	Outer	Inner			
1	170.0	151.2	9.5	30.0	2.25

Test Performed by: S. Asad Ali Gillani

Bilal Raza
Snr PM IDAP Lahore.
(Estb of Nawaz Sharif Institute of Cancer Treatment & Research, Pkg-A&D)

Client Reference No.: PD(NSICTR)/PACKAGE-A&D/2024/20947 Dated: 09-12-2024
SOM Lab Ref: CED/SOM/358 (Page 1b/1) Dated: 12-12-2024
Test Type: Dimensional Property of Deformed Steel Bar (Spacing, Height, Thickness of Rib)
Sample Type: Deformed Steel Bar

Dimension/Size Test Results

S No.	Sample Type	Spacing between two Ribs	Height of Rib	Rib Thickness
1	Deformed Steel Bar (# 4)(Heat #76)	4.4 mm	0.6 mm	2.30

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

Test Performed by: S. Asad Ali Gillani

Engr. M.Aamir Saeed
Snr PM IDAP Lahore.
(Estb of Nawaz Sharif Institute of Cancer Treatment & Research, Pkg-A&D)

Client Reference No.: SPM(NSICTR)/PACKAGE-A&D/2024/20947 Dated: 11-12-2024

SOM Lab Ref: CED/SOM/362 (Page 1b/1) Dated: 12-12-2024

Test Type: Dimensional Property of Deformed Steel Bar (Spacing, Height, Thickness of Rib)

Sample Type: Deformed Steel Bar

Dimension/Size Test Results

S No.	Sample Type	Spacing between two Ribs	Height of Rib	Rib Thickness
1	Deformed Steel Bar (#6) (Heat # 6867)	6.20 mm	1.0 mm	4.0
2	Deformed Steel Bar (#6) (Heat # 6652)	6.25 mm	1.0 mm	4.0
3	Deformed Steel Bar (#4) (Heat # 6668)	4.3 mm	0.7 mm	2.30

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

Ravi Construction Company **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani
Lahore.(Repetify @ QABP,Sheikhupura)(NOVATEX Limited)

Client Reference: Nil **Dated:** 11-12-2024
SOM Lab Ref: CED/SOM/354 (Page-1/1) **Dated:** 12-12-2024
Test: Tension Test & Bend Test **Test Specification:** ASTM-A 615
Sample Type: Deformed Bar (Al-Moiz 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	3.917	25	25.21	491	499	251.50	338.50	512	505	690	679	35.0	200	17.5	
2	3.900	25	25.15	491	497	241.50	336.00	492	487	684	677	37.5	200	18.8	
3	2.200	20	18.89	314	280	142.70	187.20	454	510	596	668	35.0	200	17.5	
4	2.202	20	18.90	314	281	145.20	185.70	462	518	591	662	40.0	200	20.0	
5	0.985	12	12.64	113	125	60.20	86.20	532	480	762	688	32.5	200	16.3	
6	0.984	12	12.64	113	125	62.00	85.00	548	495	752	678	32.5	200	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack
20mm	Sample bend through 180 degrees Satisfactorily without any crack
12mm	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

Muhammad Shafiq, ARE **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

MMP (Pvt) Ltd. Pkg -III PCP Kamalia.(Const Of Waste Water Treatment Plant Kamalia City)

Client Reference: MMP/1095/Kamalia/DW/77/2024 **SOM Lab Ref:** 356(Page-1/1)

Dated: 09-12-2024 **Dated:** 12-12-2024

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

Gauge Length: 8 inch **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	2.665	8	0.998	0.79	0.783	24.43	34.10	68220	68830	95190	96040	1.50	8.0	18.8	
2	1.501	6	0.749	0.44	0.441	14.68	18.71	73580	73410	93760	93550	1.50	8.0	18.8	
3	0.669	4	0.501	0.20	0.197	6.37	8.72	70260	71330	96110	97570	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

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

Snr PM IDAP Lahore.(Estb Of Nawaz Sharif Institute of Cancer Treatment & Research,Pkg-C)

Client Reference: PD(NSICTR)/PACKAGE-C/2024/20914 **SOM Lab Ref:** 358 (Page-1a/1)

Dated: 09-12-2024 **Dated:** 12-12-2024

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	0.659	4	0.497	0.20	0.194	6.93	8.63	76440	78800	95210	98160	1.20	8.0	15.0	H # 76
2	0.666	4	0.500	0.20	0.196	6.19	8.61	68230	69630	94990	96930	1.30	8.0	16.3	H # 76
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Quality Const. Company **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani
Lahore.(PM Quality Construction Company 41-D Nawab Town Lhr) (Royal Residencia Lhr)

Client Reference: Nil **SOM Lab Ref:** 359 (Page-1/1)
Dated: 12-12-2024 **Dated:** 12-12-2024

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	2.620	8	0.990	0.79	0.770	29.89	35.95	83440	85610	100370	102980	1.40	8.0	17.5	
2	2.622	8	0.991	0.79	0.771	29.68	35.85	82870	84910	100090	102550	1.40	8.0	17.5	
3	1.089	5	0.638	0.31	0.320	11.93	14.90	84850	82200	106030	102710	1.30	8.0	16.3	
4	1.089	5	0.638	0.31	0.320	11.95	14.90	85000	82340	106030	102710	1.20	8.0	15.0	
5	0.661	4	0.497	0.20	0.194	7.21	8.36	79470	81930	92180	95030	1.10	8.0	13.8	
6	0.663	4	0.498	0.20	0.195	7.26	8.46	80040	82090	93300	95690	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 8	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 Nine Samples Received and Tested

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

Fahim Ahmad, ARE **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

MMP (Pvt) Ltd. Pkg -I PCP Daska.(Const of Strom Water Drainage in Daska City)

Client Reference: DSK/CON/1094/SW/219/2024 **SOM Lab Ref:** 360(Page-1/1)

Dated: 11-12-2024 **Dated:** 12-12-2024

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	0.667	4	0.500	0.20	0.196	7.10	8.87	78350	79950	97800	99790	1.30	8.0	16.3	
2	0.673	4	0.502	0.20	0.198	7.24	8.92	79810	80620	98360	99350	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

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

AGE (Army) Pasrur.(Const Of 1xB Veh Shed at COD Pasrur Cantt)

Client Reference: 6139/09/E-6 **SOM Lab Ref:** 361 (Page-1/1)

Dated: 12-12-2024 **Dated:** 12-12-2024

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	1.494	6	0.748	0.44	0.439	15.41	19.49	77260	77430	97690	97920	1.40	8.0	17.5	
2	0.654	4	0.494	0.20	0.192	6.32	7.75	69700	72600	85430	88990	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

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

Snr PM IDAP Lahore.(Estb Of Nawaz Sharif Institute of Cancer Treatment & Research,Pkg-A&D)

Client Reference: SPM(NSICTR)/PKG-A&D/2024/20947 **SOM Lab Ref:** 362 (Page-1a/1)

Dated: 11-12-2024 **Dated:** 12-12-2024

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	1.500	6	0.749	0.44	0.441	13.22	19.49	66270	66120	97690	97470	1.30	8.0	16.3	H # 6867
2	1.499	6	0.749	0.44	0.441	13.12	19.42	65760	65610	97340	97120	1.20	8.0	15.0	H # 6867
3	1.498	6	0.748	0.44	0.440	13.20	19.52	66170	66170	97850	97850	1.40	8.0	17.5	H # 6652
4	1.499	6	0.749	0.44	0.441	13.12	19.24	65760	65610	96420	96200	1.40	8.0	17.5	H # 6652
5	0.662	4	0.498	0.20	0.195	6.42	8.87	70820	72640	97800	100300	1.00	8.0	12.5	H # 6668
6	0.662	4	0.498	0.20	0.195	6.57	8.97	72510	74360	98920	101460	1.20	8.0	15.0	H # 6668
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

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

Note:-

Only Nine 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 No.10 Lahore.(Const of Anti-Riot Headquarters at Harbanspura,Lahore)

SOM Lab
Client Reference: 5556/10th **Ref:** 363 (Page-1/5)
Dated: 19-04-2024 **Dated:** 12-12-2024

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	2.665	8	0.998	0.79	0.783	30.02	36.09	83810	84560	100740	101640	1.30	8.0	16.3	
2	1.499	6	0.749	0.44	0.441	13.12	19.44	65760	65610	97440	97220	1.60	8.0	20.0	
3	0.667	4	0.500	0.20	0.196	6.52	8.89	71940	73410	98020	100020	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Sub Divisional officer, **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani
BSD No.10 Lahore.(Const of Anti-Riot Headquarters at Harbanspura,Lahore)

Client Reference: 4649/10th **SOM Lab Ref:** 363 (Page-2/5)
Dated: 15-08-2023 **Dated:** 12-12-2024
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	24.77	34.15	69160	69160	95340	95340	1.50	8.0	18.8	
2	1.500	6	0.749	0.44	0.441	13.05	19.44	65400	65260	97440	97220	1.40	8.0	17.5	
3	0.666	4	0.500	0.20	0.196	6.54	8.43	72170	73640	92960	94860	1.40	8.0	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Sub Divisional officer, **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani
BSD No.16 Lahore.(Const of Smart Police Station Batapur,Lahore)

Client Reference: 360 **SOM Lab Ref:** 363 (Page-3/5)
Dated: 19-02-2024 **Dated:** 12-12-2024
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	1.500	6	0.749	0.44	0.441	14.50	18.81	72660	72490	94270	94060	1.40	8.0	17.5	
2	0.667	4	0.500	0.20	0.196	6.78	8.51	74750	76280	93860	95780	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Sub Divisional officer, **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani
BSD No.16 Lahore.(Const of Smart Police Station Harbanspura,Lahore)

Client Reference: 351 **SOM Lab Ref:** 363 (Page-4/5)
Dated: 17-02-2024 **Dated:** 12-12-2024
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	1.499	6	0.749	0.44	0.441	13.20	19.42	66170	66020	97340	97120	1.60	8.0	20.0	
2	0.668	4	0.500	0.20	0.196	6.83	8.66	75320	76850	95550	97500	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Sub Divisional officer, **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani
BSD No.16 Lahore.(Const of Smart Police Station Shera Kot,Lahore)

Client Reference: 38 **SOM Lab Ref:** 363-64 (Page-5/5)
Dated: 04-10-2024 **Dated:** 12-12-2024

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	1.498	6	0.748	0.44	0.440	14.02	19.98	70260	70260	100150	100150	1.10	8.0	13.8	
2	0.672	4	0.501	0.20	0.197	6.95	9.48	76660	77830	104540	106130	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Yasir Ahmad
GM-Works FF Steel Lahore.

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

Client Reference: Nil
Dated: 05-12-2024

SOM Lab Ref: 365 (Page-1/1)
Dated: 12-12-2024

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

Test Specification: ASTM-A-615
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	1.462	6	0.740	0.44	0.430	14.68	19.47	73580	75290	97590	99860	1.30	8.0	16.3	1
2	1.477	6	0.743	0.44	0.434	15.06	19.93	75470	76510	99890	101270	1.20	8.0	15.0	2
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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