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

Head Quailty Assurance FF Steel Lahore.(FWO-Diamer Basha Dam Project)

Client Reference: Nil **Dated:** 29-08-2025

SOM Lab Ref: CED/SOM/1706 (Page-1/1) **Dated:** 29-08-2025

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

Sample Type: Deformed Bar (FF 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	4.753	28	27.75	616	605	352.50	449.20	572	583	730	743	27.5	200	13.8	
2	4.762	28	27.79	616	607	353.00	450.00	573	582	731	742	27.5	200	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

28mm	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

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

Lahore.(CA DH-95/25 Provision/Installation of Street Lights at Askari-12 Lahore)

Client Reference: Nil **Dated:** Nil

SOM Lab Ref: CED/SOM/1711 (Page-1/1) **Dated:** 29-08-2025

Test: Tension Test **Test Specification:** ASTM-F 1554

Sample Type: J-Bolt (25mm) **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	3.976	25	25.38	491	506	218.00	355.70	444	431	725	703	30.0	200	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

--	No Bend test performed

Note:-

Only One Sample Received and Tested

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

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

Site Engr PASCONS Lahore.(Commercial Building at Plot Ni.6c and 7Q Blocl Q Gulberg II Lhr)

Client Reference: 0683944-4 **SOM Lab Ref:** 1707 (Page-1/1)

Dated: 26-08-2025 **Dated:** 29-08-2025

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

Gauge Length: 8 inch **Sample Type:** Def. 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	1.483	6	0.745	0.44	0.436	15.70	20.18	78690	79410	101170	102100	1.10	8.0	13.8	
2	0.661	4	0.497	0.20	0.194	6.83	9.23	75320	77650	101730	104880	0.90	8.0	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Assistant Engr Civil National Skills University Islamabad.(Const of admin Block at NSU Isb Muridke Campus)

Client Reference: NSU/adminBlock/2023/MC/22 **SOM Lab Ref:** 1708 (Page-1/3)

Dated: 17-07-2025 **Dated:** 29-08-2025

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	1.509	6	0.751	0.44	0.443	13.46	20.97	67450	66990	105100	104390	1.30	8.0	16.3	
2	1.501	6	0.749	0.44	0.441	13.40	20.82	67190	67040	104340	104100	1.20	8.0	15.0	
3	1.496	6	0.748	0.44	0.440	13.30	20.87	66680	66680	104590	104590	1.50	8.0	18.8	
4	1.511	6	0.752	0.44	0.444	13.37	20.85	67040	66440	104490	103550	1.30	8.0	16.3	
5	1.506	6	0.751	0.44	0.443	13.48	20.97	67550	67090	105100	104390	1.30	8.0	16.3	
6	1.502	6	0.749	0.44	0.441	13.22	20.85	66270	66120	104490	104250	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

--	No Bend test performed

Note:-

Only Six Samples Received and Tested

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

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

Assistant Engr Civil National Skills University Islamabad.(Const of admin Block at NSU Isb Muridke Campus)

Client Reference: NSU/adminBlock/2023/MC/22 **SOM Lab Ref:** 1708 (Page-2/3)

Dated: 17-07-2025 **Dated:** 29-08-2025

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	1.037	5	0.623	0.31	0.305	8.92	14.02	63460	64500	99720	101350	1.10	8.0	13.8	
2	1.022	5	0.618	0.31	0.300	8.82	13.78	62730	64820	98050	101320	1.20	8.0	15.0	
3	1.023	5	0.619	0.31	0.301	8.74	13.81	62150	64010	98270	101210	1.20	8.0	15.0	
4	1.035	5	0.622	0.31	0.304	8.84	13.99	62880	64120	99500	101460	1.20	8.0	15.0	
5	1.033	5	0.622	0.31	0.304	8.97	13.99	63820	65080	99500	101460	1.10	8.0	13.8	
6	1.029	5	0.620	0.31	0.302	9.07	14.02	64550	66260	99720	102360	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

--	No Bend test performed

Note:-

Only Six Samples Received and Tested

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

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

Assistant Engr Civil National Skills University Islamabad.(Const of admin Block at NSU Isb Muridke Campus)

Client Reference: NSU/adminBlock/2023/MC/24 **SOM Lab Ref:** 1708 (Page-3/3)

Dated: 04-08-2025 **Dated:** 29-08-2025

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	0.661	4	0.497	0.20	0.194	5.71	8.87	62950	64900	97800	100820	1.30	8.0	16.3	
2	0.663	4	0.498	0.20	0.195	5.93	9.07	65420	67100	100050	102610	1.10	8.0	13.8	
3	0.682	4	0.505	0.20	0.200	6.03	9.43	66550	66550	103980	103980	1.30	8.0	16.3	
4	0.655	4	0.494	0.20	0.192	5.66	8.72	62390	64990	96110	100120	1.40	8.0	17.5	
5	0.652	4	0.494	0.20	0.192	5.86	8.82	64640	67330	97230	101290	1.40	8.0	17.5	
6	0.660	4	0.497	0.20	0.194	5.76	8.97	63510	65480	98920	101980	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

--	No Bend test performed

Note:-

Only Six Samples Received and Tested

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

Ghulam Rasool Domki **Test Performed By:** **Dr. /Engr.** Ubaid Mughal

RE Nespak.(Const of Service More Flyover to Connect With Industrial area-II Gujrat Link road in Distt Gujrat)

Client Reference: 4376/GF/GRD/10 **SOM Lab Ref:** 1709 (Page-1/1)

Dated: 20-08-2025 **Dated:** 29-08-2025

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	1.492	6	0.747	0.44	0.438	15.04	19.24	75370	75710	96420	96860	1.30	8.0	16.3	
2	1.493	6	0.748	0.44	0.439	14.95	19.22	74960	75130	96320	96530	1.20	8.0	15.0	
3	0.660	4	0.497	0.20	0.194	6.98	8.89	77000	79380	98020	101050	1.30	8.0	16.3	
4	0.656	4	0.496	0.20	0.193	6.98	8.89	77000	79790	98020	101580	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Ghulam Rasool Domki **Test Performed By:** **Dr. /Engr.** Nauman Khurram

RE Nespak.(Const of Flyover Rajjar Railway Crossing,Sari Alamgir Distt Gujrat)

Client Reference: 4376/103/GRD/16 **SOM Lab Ref:** 1710 (Page-1/1)

Dated: 25-08-2025 **Dated:** 29-08-2025

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	2.739	8	1.012	0.79	0.805	26.76	34.93	74700	73310	97530	95710	1.10	8.0	13.8	
2	2.731	8	1.011	0.79	0.803	26.15	34.78	73000	71820	97100	95530	1.30	8.0	16.3	
3	1.523	6	0.755	0.44	0.448	15.87	20.13	79560	78140	100910	99110	1.10	8.0	13.8	
4	1.526	6	0.755	0.44	0.448	15.82	20.20	79300	77890	101270	99460	1.10	8.0	13.8	
5	1.038	5	0.623	0.31	0.305	10.98	14.19	78110	79390	100950	102610	1.20	8.0	15.0	
6	1.037	5	0.623	0.31	0.305	11.03	14.27	78470	79760	101530	103200	1.20	8.0	15.0	
7	0.665	4	0.498	0.20	0.195	6.63	8.74	73070	74940	96340	98810	1.10	8.0	13.8	
8	0.668	4	0.500	0.20	0.196	6.49	8.56	71610	73070	94420	96350	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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