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

Jers Consultancy (Pvt) Ltd.(PRSWSSP Pilot Phase Cluster South II Pkg-4,5 Tehsil Ali Pur)

Client Reference: 490-Jo2-CO- **SOM Lab Ref:** 3441 (Page-1/1)

Dated: 26-12-2023 **Dated:** 01-01-2024

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

Gauge Length: 8 inch **Sample Type:** Deformed Bar (Moiz 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	2.694	8	1.004	0.79	0.792	25.10	34.68	70070	69890	96820	96570	1.60	8.0	20.0	
2	2.680	8	1.002	0.79	0.788	25.20	34.73	70350	70530	96960	97200	1.40	8.0	17.5	
3	1.487	6	0.746	0.44	0.437	13.51	18.25	67700	68170	91460	92090	1.50	8.0	18.8	
4	1.496	6	0.748	0.44	0.440	13.51	18.25	67700	67700	91460	91460	1.30	8.0	16.3	
5	0.672	4	0.501	0.20	0.197	5.93	8.31	65420	66420	91610	93010	1.50	8.0	18.8	
6	0.671	4	0.501	0.20	0.197	6.12	8.36	67450	68470	92180	93580	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
# 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

Muhammad Rafique **Test Performed By:** **Dr. /Engr.** Rizwan Riaz

General Manager NETRACON Tech.Lahore (Design Supply and Installation Of 220kV D/C T/B OHTL)

SOM Lab

Client Reference: NTT-HO/ADB301C-R/SI-011 **Ref:** 3442 (Page-1/1)

Dated: 01-01-2024 **Dated:** 01-01-2024

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

Gauge Length: 8 inch **Sample Type:** Deformed Bar (Fazal 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	2.614	8	0.989	0.79	0.768	25.50	34.63	71200	73240	96670	99440	1.50	8.0	18.8	
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Witnessed By: Sohaib Ali (NESPAK,Sub Engineer)

BEND TEST:

# 8	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

IBNA AL AZIZ **Test Performed By:** **Dr. /Engr.** Rizwan Riaz

New Garden Town Lahore.(Project Sapphir resident 84-Arif Jan Road Cantt Lahore)

SOM Lab

Client Reference: IAA-131223 **Ref:** 3443 (Page-1/1)

Dated: 01-Jan-2024 **Dated:** 01-01-2024

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

Gauge Length: 8 inch **Sample Type:** Deformed Bar (Model 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	1.037	5	0.623	0.31	0.305	10.40	12.95	73970	75190	92100	93610	1.40	8.0	17.5	
2	1.034	5	0.622	0.31	0.304	10.40	13.00	73970	75430	92470	94290	1.30	8.0	16.3	
3	0.668	4	0.500	0.20	0.196	7.44	9.35	82060	83730	103080	105180	1.10	8.0	13.8	
4	0.672	4	0.501	0.20	0.197	7.16	9.09	78910	80110	100270	101800	1.10	8.0	13.8	
5	0.384	3	0.379	0.11	0.113	4.61	5.40	92380	89930	108320	105450	0.90	8.0	11.3	
6	0.386	3	0.379	0.11	0.113	4.71	5.47	94420	91920	109750	106840	1.00	8.0	12.5	
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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

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

PE Prosperity Consultants Lhr.(EPC/Turnkey Basis Of 132/11.5 KV Grid Station #1 DHA Gujranwala)

SOM Lab

Client Reference: DHA Guj/GRID/838 **Ref:** 3444 (Page-2/2)

Dated: 26-12-2023 **Dated:** 01-01-2024

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

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

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in^2	in^2	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.485	6	0.745	0.44	0.436	15.16	19.67	75980	76680	98610	99520	1.20	8.0	15.0	
2	1.481	6	0.744	0.44	0.435	15.16	19.49	75980	76850	97690	98820	1.30	8.0	16.3	
3	1.094	5	0.640	0.31	0.322	9.25	13.99	65780	63330	99500	95790	1.20	8.0	15.0	
4	1.090	5	0.638	0.31	0.320	9.60	12.66	68320	66180	90070	87260	1.20	8.0	15.0	
5	0.670	4	0.501	0.20	0.197	6.63	8.89	73070	74180	98020	99510	1.20	8.0	15.0	
6	0.665	4	0.498	0.20	0.195	6.65	8.74	73290	75170	96340	98810	1.10	8.0	13.8	
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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 Nine Samples Received and Tested

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

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

PE Prosperity Consultants Lhr.(EPC/Turnkey Basis Of 132/11.5 KV Grid Station #1 DHA Gujranwala)

Client Reference: DHA Guj/GRID/839 **SOM Lab Ref:** 3444 (Page-1/2)

Dated: 26-12-2023 **Dated:** 01-01-2024

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

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

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in^2	in^2	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.656	4	0.496	0.20	0.193	6.75	8.87	74420	77120	97800	101340	1.40	8.0	17.5	
2	0.654	4	0.494	0.20	0.192	6.68	8.92	73630	76700	98360	102460	1.20	8.0	15.0	
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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

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

PM Imperium Developers,Lahore.(Const Of Sixty6 at Gulberg-III,Lahore)

SOM Lab

Client Reference: IMP/PM/66/04/121 **Ref:** 3445 (Page-1/1)

Dated: 01-01-2024 **Dated:** 01-01-2024

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	0.670	4	0.501	0.20	0.197	6.49	8.79	71610	72700	96900	98370	1.30	8.0	16.3	
2	0.663	4	0.498	0.20	0.195	6.24	8.63	68800	70560	95210	97650	1.40	8.0	17.5	
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Witnessed By: Muhammad Tahir Ayaz (Site Engineer,Imperium Developers)

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

Sub Divisional officer, **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

BSD No.15,Lhr.(New Courts Block at The Site Of Old Admin Block at Lahore)

Client Reference: 4193
Dated: 29-12-2023

SOM Lab Ref: 3446 (Page-1/1)
Dated: 01-01-2024

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	2.670	8	1.000	0.79	0.785	29.94	37.10	83580	84120	103590	104250	1.40	8.0	17.5	
2	2.672	8	1.000	0.79	0.785	29.36	36.65	81960	82480	102310	102960	1.50	8.0	18.8	
3	1.502	6	0.749	0.44	0.441	15.16	21.25	75980	75810	106530	106290	1.30	8.0	16.3	
4	1.499	6	0.749	0.44	0.441	15.14	21.20	75880	75710	106280	106040	1.40	8.0	17.5	
5	0.671	4	0.501	0.20	0.197	7.46	9.63	82290	83540	106230	107840	1.10	8.0	13.8	
6	0.675	4	0.502	0.20	0.198	7.00	9.25	77230	78010	101960	102990	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
# 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