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

RE IDAP.(Infra on EPC/Turnkey Basis For PPIC3 Gujranwala)

Client Reference: PPIC3-GUJ/IDAP/2024/0002 **SOM Lab Ref:** 3543(Page-1/2)

Dated: 17-01-2024 **Dated:** 23-01-2024

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

Guage Length: 200 mm **Sample Type:** Anchor Bolt

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	2.265	20	19.15	314	288	134.70	204.20	429	468	650	710	32.5	200	16.3	
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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

Test Performed by: .Dr Asad Ali Gillani

Engr.Muhammad Irfan
Dy Dir Infra DHA Gujranwala.
(Sector-K)

Client Reference No.: 111/15/DD/RS/Lab/Sec-K/512 Dated: 22-01-2024

SOM Lab Ref: CED/SOM/3545(Page 1/1) Dated: 23-01-2024

Test Type: Tensile Test

Sample Type: Iron Rungs (Cast Iron) **Gauge Length:** 2 inches

Tensile Test Results

Sr. No.	Sample Size (mm)	X Section Area (mm^2)	Ultimate Load (kN)	Ultimate Tensile Stress (MPa)	Elongation (inch)	% Elongation
1	24.6 x 25.2	619.92	79.0	127.44	0.1	5.0

M.Abdul Sattar Jalbani,ME **Test Performed By:** **Dr. /Engr.** Nauman Khurram

Nespak PRSWSSP Taunsa.(Procurement Of Civil Works,South-III,Tehsil Taunsa Pkg TAU-04)

Client Reference: NESPAK/PRSWSSP/TAUNSA/ME/77
Dated: 09-01-2024

SOM Lab Ref: 3544 (Page-1/1)
Dated: 23-01-2024

Test: Tension Test & Bend Test **Test Specification:** ASTM-A-615 Deformed Bar (A.F Steel)

Gauge Length: 8 inch **Sample Type:**

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	2.666	8	0.998	0.79	0.783	24.23	35.55	67650	68250	99230	100120	1.40	8.0	17.5	
2	2.667	8	0.999	0.79	0.784	22.94	34.35	64030	64520	95900	96640	1.40	8.0	17.5	
3	1.499	6	0.749	0.44	0.441	14.44	19.80	72400	72240	99230	99000	1.30	8.0	16.3	
4	1.500	6	0.749	0.44	0.441	15.41	20.15	77260	77080	101020	100790	1.20	8.0	15.0	
5	0.668	4	0.500	0.20	0.196	6.80	9.43	74980	76510	103980	106100	1.00	8.0	12.5	
6	0.666	4	0.500	0.20	0.196	6.68	8.92	73630	75130	98360	100370	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
# 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.** Nauman Khurram

BSD No.6,Lhr.(Rehb/Renv Existing Ofice Building &Const.Of New Block Of Commissioner Office,Lhr)

Client Reference: 576/sd-6th **SOM Lab Ref:** 3546 (Page-1/1)

Dated: 16-01-2024 **Dated:** 23-01-2024

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	2.569	8	0.980	0.79	0.755	25.25	33.59	70490	73760	93770	98120	1.80	8.0	22.5	
2	2.563	8	0.979	0.79	0.753	25.28	33.64	70580	74050	93910	98530	1.60	8.0	20.0	
3	1.502	6	0.749	0.44	0.441	14.75	19.37	73940	73770	97080	96860	1.50	8.0	18.8	
4	1.496	6	0.748	0.44	0.440	14.80	19.44	74190	74190	97440	97440	1.50	8.0	18.8	
5	0.661	4	0.497	0.20	0.194	7.19	8.99	79250	81700	99150	102210	1.40	8.0	17.5	
6	0.664	4	0.498	0.20	0.195	7.16	9.04	78910	80940	99710	102260	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

Sub Divisional officer, **Test Performed By:** **Dr. /Engr.** Nauman Khurram

BSD No.2,Grw.(The Strategic Transformation/Revamping Of Old Block Of Ex-DHQs One at DHQ Grw)

Client Reference: 3147/G-21
Dated: 23-12-2023

SOM Lab Ref: 3547 (Page-1/1)
Dated: 23-01-2024

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	7.44	9.30	82060	83310	102520	104080	1.20	8.0	15.0	
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BEND TEST:

# 4	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

Bilal Safdar,PM

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

REDO Engg & Construction (Pvt) Ltd.(Packages Workshop Foundation Kasur)

Client Reference: QC/TST/2291-001
Dated: 22-01-2024

SOM Lab Ref: 3548(Page-1/1)
Dated: 23-01-2024

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	1.011	5	0.615	0.31	0.297	9.17	13.20	65270	68130	93920	98030	1.30	8.0	16.3	
2	1.036	5	0.622	0.31	0.304	10.50	13.63	74700	76170	96960	98880	1.20	8.0	15.0	
3	0.674	4	0.502	0.20	0.198	6.68	8.72	73630	74370	96110	97080	1.20	8.0	15.0	
4	0.671	4	0.501	0.20	0.197	6.73	8.74	74190	75320	96340	97800	1.10	8.0	13.8	
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BEND TEST:

# 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

New Metro City
Housing Scheme Manager QA/QC Mandi Bahauddin.(A Project Of BSM Developers)

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

Client Reference: NMC/MBD/LAB/63
Dated: 23-01-2024

SOM Lab Ref: 3549 (Page-1/1)
Dated: 23-01-2024

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	0.671	4	0.501	0.20	0.197	6.22	8.61	68570	69620	94990	96430	1.10	8.0	13.8	
2	0.672	4	0.501	0.20	0.197	6.37	8.69	70260	71330	95770	97230	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

Safdar Iqbal,AE **Test Performed By:** **Dr. /Engr.** Nauman Khurram
AGE(A)-II Gwa.(Const Of Engine Test Bench"VT-4 DLM Facility at 607 Regl EME Wksp at Gwa Cantt)

Client Reference: 6000-1132/05/E-6
Dated: 16-01-2024

SOM Lab Ref: 3550 (Page-1/1)
Dated: 23-01-2024

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	2.497	8	0.967	0.79	0.734	26.20	33.51	73140	78720	93540	100680	1.30	8.0	16.3	
2	2.508	8	0.969	0.79	0.737	26.15	33.46	73000	78250	93400	100120	1.20	8.0	15.0	
3	1.545	6	0.760	0.44	0.454	15.06	21.99	75470	73140	110210	106810	1.10	8.0	13.8	
4	1.512	6	0.752	0.44	0.444	14.78	19.39	74090	73420	97180	96310	1.30	8.0	16.3	
5	1.010	5	0.615	0.31	0.297	8.74	12.64	62150	64870	89930	93860	1.40	8.0	17.5	
6	0.988	5	0.608	0.31	0.290	8.99	12.84	63970	68380	91380	97680	1.30	8.0	16.3	
7	0.680	4	0.505	0.20	0.200	6.93	8.31	76440	76440	91610	91610	1.10	8.0	13.8	
8	0.664	4	0.498	0.20	0.195	6.88	8.23	75880	77820	90720	93040	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
# 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

Safdar Iqbal,AE **Test Performed By:** **Dr. /Engr.** Nauman Khurram
AGE(A)-II Gwa.(Const Of Bldg No.102&103 "VT-4 DLM Facility at 607 Regl EME Wksp at Gwa Cantt)

Client Reference: 6000-1130/7/E-6
Dated: 16-01-2024

SOM Lab Ref: 3551 (Page-1/1)
Dated: 23-01-2024

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	2.519	8	0.971	0.79	0.740	26.68	33.86	74480	79510	94540	100930	1.30	8.0	16.3	
2	2.507	8	0.969	0.79	0.737	26.61	33.59	74280	79620	93770	100510	1.20	8.0	15.0	
3	1.527	6	0.756	0.44	0.449	18.20	21.78	91210	89380	109190	107000	1.10	8.0	13.8	
4	1.508	6	0.751	0.44	0.443	16.18	19.90	81090	80540	99740	99060	1.30	8.0	16.3	
5	0.664	4	0.498	0.20	0.195	6.80	8.18	74980	76900	90150	92460	1.00	8.0	12.5	
6	0.672	4	0.501	0.20	0.197	6.93	8.28	76440	77600	91280	92670	1.10	8.0	13.8	
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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