

Col.Muhammad Asghar Khan®

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

ARMY WELFARE TRUST.(Const Of Room Tubewell in AWT Housing Scheme Phase-2 Lahore)

Client Reference: AWRES/Dev-N/Ph-2SOM Lab 3272 (Page-
Ref: 1/1)

Dated: 28-11-2023

Dated: 01-12-2023

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	0.677	4	0.503	0.20	0.199	5.42	8.12	59800	60100	89590	90040	1.10	8.0	13.8	
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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

Engr. Anees Ahmad,ARE

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

Indus Associates-Camoses-Karakoram (Jv).(Rehb And Improvement Of Balkassar-Mianwali Road)

Client Reference: ARE/IAC/N-130/2023/23

SOM Lab 3273 (Page-

Ref: 1/1)

Dated: 23-11-2023

Dated: 01-12-2023

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	0.598	4	0.473	0.20	0.176	5.76	7.61	63510	72170	83970	95420	1.30	8.0	16.3	
2	0.598	4	0.473	0.20	0.176	5.76	7.61	63510	72170	83970	95420	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

SJ Steel

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

S.J Re-Rolling Steel Mills (Pvt) Ltd.Lahore.(HQ DW&CE (Navy) Sec E-8 Naval Complex Islamabad)

Client Reference: Nil

SOM Lab 3275 (Page-

Ref: 1/1)

Dated: 30-11-2023

Dated: 01-12-2023

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	1.498	6	0.748	0.44	0.440	11.47	17.23	57480	57480	86350	86350	1.70	8.0	21.3	
2	0.666	4	0.500	0.20	0.196	5.37	7.85	59240	60450	86560	88320	1.60	8.0	20.0	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Four Samples Received and Tested
# 4	Sample bend through 180 degrees Satisfactorily without any crack	

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

SJ Steel

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

S.J Re-Rolling Steel Mills (Pvt) Ltd.Lahore.(HQ DW&CE (Navy) Sec E-8 Naval Complex Islamabad)

Client Reference: Nil

SOM Lab 3276 (Page-

Ref: 1/1)

Dated: 30-11-2023

Dated: 01-12-2023

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	2.660	8	0.998	0.79	0.782	25.79	35.37	72000	72740	98750	99760	1.50	8.0	18.8	
2	1.499	6	0.749	0.44	0.441	14.48	19.80	72560	72390	99230	99000	1.40	8.0	17.5	
3	0.668	4	0.500	0.20	0.196	6.57	8.82	72510	73990	97230	99220	1.50	8.0	18.8	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 4	Sample bend through 180 degrees Satisfactorily without any crack	

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

Test Performed by: S. Asad Ali Gillani

Hamza Ali
Incharge QA/QC HI-TEK Manufacturing (Pvt) Ltd.
Lahore.
(HASCOL PETROLEUM LIMITED)

Client Reference No.: HT/Req/MT/1025

Dated: 01-12-2023

SOM Lab Ref: CED/SOM/3274 (Page 1/1)

Dated: 01-12-2023

Test Type: Tensile Test

Sample Type: Sheet (SG 295)

Gauge Length: 2 inches

Tensile Test Results

Sr. No.	Size of strip (mm)	X Section Area (mm ²)	Yield Load (kN)	Ultimate Load (kN)	Yield Stress (MPa)	Ultimate Tensile Stress (MPa)	Elongation (inch)	% Elongation
1	24.4 x 2.75	67.1	26.7	32.0	397.91	476.90	0.4	20.0
2	25.2 x 2.75	69.3	27.2	32.7	392.49	471.86	0.4	20.0
3	25.2 x 2.75	69.3	27.4	33.2	395.38	479.07	0.5	25.0

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

Test Performed by: Dr. Asad Ghalani

Jamshaid Shaukat
Abdullah Wire
Lahore.

Client Reference No.: Nil .
SOM Lab Ref: CED/SOM/3277
Test: Tensile Test
Sample Type: Wire (12 SWG)

Dated: 01-12-2023

Dated: 01-12-2023

Tension Test Results

Sr. No.	Nominal Diameter	Area	Ultimate Load	Ultimate stress	Ultimate stress
	(mm)	(mm ²)	KN	(MPa)	(KSI)
1	2.52	5.00	2.50	500	72.5

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