



STRUCTURAL ENGINEERING DIVISION
Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,
M/S Prefab Services (Pvt) Ltd
Wah Cantt, Taxila
(ICI Soda Ash Project)

Reference # CED/TFL **2148** (Dr. Safer Abbass)

Dated: 19-10-2022

Reference of the request letter # PSL/MTL/PQR/2022/109-001/21 Dated: 18-10-2022

Tension Test Report (Page – 1/1)

Date of Test 21-10-2022

Gauge length 2 inches

Description Welded CS Pipe Steel Strip Tensile and Bend Test

Sr. No.	Designation	Size of Strip	X Section Area	Breaking Load	Ultimate Stress	Elongation	% Elongation	Remarks
	---	(mm)	(mm ²)	(kg)	(MPa)	(inch)		
1	Welded CS Pipe	24.10x3.50	84.35	5500	639.66	0.40	20.00	Failure at the location other than weld
2		24.30x3.80	92.34	5500	584.31	0.50	25.00	Failure at the location other than weld
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Only two samples for tensile and two samples for bend test								
Bend Test								
Strip taken from Welded CS Pipe Root Bend Test Through 180° is Satisfactory								
Strip taken from Welded CS Pipe Face Bend Test Through 180° is Satisfactory								

I/C Testing Laboratories
UET Lahore, Pakistan.

Note:

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- 2- The above results pertain to sample /samples supplied to this laboratory.
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To,
M/S Siddique Sons
Lahore
(Siddique Sons)

Reference # CED/TFL **2149** (Dr. Safer Abbass)
Reference of the request letter # SS/Letter # 894

Dated: 19-10-2022
Dated: 19-10-2022

Tension Test Report (Page – 1/1)
Date of Test 21-10-2022
Gauge length 2 inches
Description Angle Steel Strip Tensile Test

Sr. No.	Designation		Size of Strip	X Section Area	Yield load	Breaking Load	Yield Stress	Ultimate Stress	Elongation	% Elongation	Remarks
	(mm)	(mm)									
1	Steel Plate	12	34.80x11.90	414.12	-----	31500	-----	746	0.10	5.00	
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-	-	-	-	-	-	-	-	-	-	-	
Only One Sample for Tensile Test											
Bend Test											

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,
Muddasir Ali
Lahore

Reference # CED/TFL **2151** (Dr. Safer Abbass)
Reference of the request letter # Nil

Dated: 20-10-2022
Dated: 19-10-2022

Tension Test Report (Page -1/1)

Date of Test 21-10-2022
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal (#)	Actual (inch)	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.366	3	0.370	0.11	0.107	3800	5100	76200	77960	102200	104700	1.30	16.3	
2	4.334	10	1.274	1.27	1.274	37600	56000	65300	65060	97200	96900	0.80	10.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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Note: only two samples for tensile and two samples for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														
#10 Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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Test Floor Laboratory
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To,
 Resident Engineer
 NESPAK
 Flyover at Saroki Adda on G.T. Road (Samma) – Gujrat Dinga Road (km no. 13) District Gujrat

Reference # CED/TFL **2152** (Dr. Safer Abbass)
 Reference of the request letter # 4364/03/CRM/01/22/011

Dated: 20-10-2022
 Dated: 18-10-2022

Tension Test Report (Page -1/1)

Date of Test 21-10-2022
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal (#)	Actual (inch)	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.376	3	0.375	0.11	0.110	3300	4900	66200	65830	98200	97800	1.30	16.3	Batala Steel
2	0.377	3	0.376	0.11	0.111	3300	4900	66200	65580	98200	97400	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,
 Sub Division Officer
 Building Sub Division
 Shahkot
 (Construction of District Jail District Nankana Sahib (NRP))

Reference # CED/TFL **2154** (Dr. Safer Abbass)
 Reference of the request letter # 3022/SDO/BDS/SKT

Dated: 20-10-2022
 Dated: 19-10-2022

Tension Test Report (Page -1/1)

Date of Test 21-10-2022
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal (#)	Actual (inch)	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.370	3	0.372	0.11	0.109	3200	4400	64200	64940	88200	89300	1.50	18.8	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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Note: only one sample for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

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To,
 Deputy General Manager Projects
 Habib Rafiq Engineering (Pvt.) Limited
 Construction of Sky Gardens Tower, Lahore

Reference # CED/TFL **2157** (Dr. Safer Abbass)
 Reference of the request letter # HRLE/SKG/2022/076/2273

Dated: 21-10-2022
 Dated: 21-10-2022

Tension Test Report (Page -1/1)

Date of Test 21-10-2022
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (mm)		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	4.204	32	31.86	1.25	1.236	36000	58200	63492	64220	102646	103900	1.10	13.8	Afco Steel
2	4.241	32	32.00	1.25	1.247	35800	58200	63140	63300	102646	103000	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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Note: only two samples for tensile and one sample for bend test														
Bend Test														
32mm Dia Bar Bend Test Through 180° is Satisfactory														

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