



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

To,

Ali Raza (Corporate QA/QC Manager)
Elite Engineering Pvt. Ltd.
EEPL Job # 10403-O.G.D.C.L (Emergency Staircase)

Reference # CED/TFL **6631** (Dr. M Rizwan Riaz)
Reference of the request letter # Nil

Dated: 27-02-2025
Dated: 26-02-2025

Tension Test Report (Page – 1/1)

Date of Test 04-03-2025
Gauge length 2 inches
Description Plate 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)	(mm ²)	(kg)	(kg)	(MPa)	(MPa)	(in)		
1	6	40.60x4.60	186.76	7500	10600	394	557	0.50	25.00	4B407678-01
2	12	40.30x11.00	443.30	20400	26800	451	593	1.00	50.00	4B404184-01
3	12	40.30x10.90	439.27	20500	26400	458	590	0.80	40.00	4B404184-02
4	16	41.90x15.40	645.26	30200	36100	459	549	1.00	50.00	4B204602-01
5	16	40.10x15.20	609.52	29600	35800	476	576	0.90	45.00	4B204602-02
6	18	39.70x16.60	659.02	25900	37500	386	558	1.00	50.00	92423878-01
7	32	40.10x31.30	1255.13	58600	75000	458	586	1.20	60.00	2431010635010 3-1
Only Seven Samples for Tensile Test										
Bend Test										

Witness by Qasim Munir (Junior. Engineer. NESPAK)

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:

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To,

Resident Engineer (Lab)
Diamer Basha Consultants Group (DBCG)
NESPAK - ACE -MMP - MWH - ROYRY - DOLSAR Jv
Diamer Basha Dam Project.

Reference # CED/TFL **6638** (Dr. M Rizwan Riaz)

Dated: 28-02-2025

Reference of the request letter # DBCG/Lab/PF Jv/2025/016

Dated: 07-01-2025

Tension Test Report (Page – 1/2)

Date of Test 04-03-2025

Gauge length 2 inches

Description Plate Steel Strip Tensile and Bend Test

Sr. No.	Designation	Size of Strip	X Section Area	Yield load	Breaking Load	Yield Stress	Ultimate Stress	Elongation	% Elongation	Remarks
	(mm)	(mm)	(mm ²)	(kg)	(kg)	(MPa)	(MPa)	(in)		
1	4	29.80x3.30	98.34	5400	6400	539	638	0.70	35.00	SS-P-S1-2025-1
2	5	28.60x4.40	125.84	6000	7800	468	608	0.70	35.00	SS-P-S1-2025-2
3	6	28.60x5.30	151.58	7400	10600	479	686	0.80	40.00	SS-P-S1-2025-3
4	8	28.10x7.40	207.94	10200	13400	481	632	0.70	35.00	SS-P-S1-2025-4
5	10	28.60x9.20	263.12	12000	18100	447	675	0.80	40.00	SS-P-S1-2025-5
6	12	29.70x11.30	335.61	16500	24300	482	710	1.00	50.00	SS-P-S1-2025-6
7	16	29.10x15.30	445.23	25000	29200	551	643	0.70	35.00	SS-P-S1-2025-7
8	20	29.60x19.70	583.12	27000	34900	454	587	1.00	50.00	SS-P-S1-2025-8

Only Eight Samples for Tensile and Eight Samples for Bend Test

Bend Test

Strip Taken from Plate 4mm Bend Test Through 180° is Satisfactory

Strip Taken from Plate 5mm Bend Test Through 180° is Satisfactory

Strip Taken from Plate 6mm Bend Test Through 180° is Satisfactory

Strip Taken from Plate 8mm Bend Test Through 180° is Satisfactory

Strip Taken from Plate 10mm Bend Test Through 180° is Satisfactory

Strip Taken from Plate 12mm Bend Test Through 180° is Satisfactory

Strip Taken from Plate 16mm Bend Test Through 180° is Satisfactory

Strip Taken from Plate 20mm Bend Test Through 180° is Satisfactory

I/C Testing Laboratoires
UET Lahore, Pakistan.

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Resident Engineer (Lab)
Diamer Basha Consultants Group (DBCG)
NESPAK - ACE -MMP - MWH - ROYRY - DOLSAR Jv
Diamer Basha Dam Project.

Reference # CED/TFL **6638** (Dr. M Rizwan Riaz)

Dated: 28-02-2025

Reference of the request letter # DBCG/Lab/PF Jv/2025/016

Dated: 07-01-2025

Tension Test Report (Page – 2/2)

Date of Test 04-03-2025

Gauge length 2 inches

Description Plate Steel Strip Tensile and Bend Test as per ASTM A36

Sr. No.	Designation	Size of Strip	X Section Area	Yield load	Breaking Load	Yield Stress	Ultimate Stress	Elongation	% Elongation	Remarks
	(mm)	(mm)	(mm ²)	(kg)	(kg)	(MPa)	(MPa)	(in)		
1	20	29.40x19.30	567.42	23500	27000	406	467	1.10	55.00	SS-P-S1-2025-9
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
Only One Sample for Tensile and One Sample for Bend Test										
Bend Test										
Strip Taken from Plate 20mm Bend Test Through 180° is Satisfactory										

I/C Testing Laboratories
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To,

Shehzad Mubarak
Manager Sales & Mktg, Jamal Pipe Industries (Pvt) Ltd.
Project: Gravity Based Water Supply Scheme Havelian
(KOICA) (Saman Corporation) (Jam Brothers & Co.)

Reference # CED/TFL **6643** (Dr. Asad Ali)
Reference of the request letter # Nil

Dated: 28-02-2025
Dated: 27-02-2025

Tension Test Report (Page – 1/1)

Date of Test 04-03-2025
Gauge length 2 inches
Description MS Pipe 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 ²)	(kN)	(kN)	(MPa)	(MPa)	(in)		
1	16" x 6.00mm	27.00x6.10	164.70	59.00	81.00	358	492	0.60	30.00	
2	16" x 6.00mm	27.00x6.10	164.70	58.70	80.50	356	489	0.60	30.00	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
Only Two Samples for Tensile Test										
Bend Test										

I/C Testing Laboratories
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