

To,
 Muhammad Awais
 Resident Engineer
 NESPAK (Pvt.) Ltd., Lhr.
 Construction of External Emergency Stairs at OGDCL House, Islamabad.
 Witness by: Muhammad Qasim Munir (Junior Engineer Nespak)

Reference # CED/TFL **6799** (Dr. Rizwan Azam)
 Reference of the request letter # P4512/03/MA/LAB-29

Dated: 09-04-2025
 Dated: 08-04-2025

Tension Test Report (Page – 1/1)

Date of Test 15-04-2025
 Gauge length 2 inches
 Description 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)	(kg)	(kg)	(MPa)	(MPa)	(in)		
1	Strip (Y246-00896)	41.20x6.60	271.92	10500	15500	379	559	0.80	40.00	W6x20
2	Strip (H232-07331)	41.00x9.00	369.00	15800	20700	420	550	0.80	40.00	W14x53
3	Strip (Y236-02617)	41.00x7.90	323.90	13800	19000	418	575	0.70	35.00	W12x35
4	Strip (2411F0073)	40.20x12.20	490.44	31200	32300	624	646	0.60	30.00	300x300
5	Strip (ISL-MTC-075-25))	40.70x7.40	301.18	10300	16100	335	524	0.80	40.00	Ch 6x3
6	(ISL-MTC-075-25))	41.00x6.50	266.50	10900	15300	401	563	0.60	30.00	Ch 10x3
7	B23201344	39.90x13.20	526.68	22400	29900	417	557	0.70	35.00	W14x82
Only Seven Samples for Tensile Test										
Bend Test										

Test Performed and Verified by:

To,

Sub Divisional Officer
Buildings Sub Division Sambrial
Revamping of BHUS of North and Central Punjab (Phase-2)
Basic Health Units of District Sialkot (ADP No. 579 for the Year 2024-2025) [Sheikho Steel]

Reference # CED/TFL 6805 (Dr. Rizwan Riaz)
Reference of the request letter # 147/SMBL

Dated: 10-04-2025
Dated: 07-04-2025

Tension Test Report (Page-1/1)

Date of Test 11-04-2025
Gauge Length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Actual Weight Per Unit Length (lb/ft)	Nominal Size (#)	Actual Diameter (inch)	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			
1	0.372	3	0.373	0.110	0.109	3200	4500	64116	64603	90164	90848	1.5	18.8	-
2	0.372	3	0.373	0.110	0.109	3300	4500	66120	66552	90164	90752	1.2	15.0	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note: Only 2 Samples for Tensile and 1 Samples for Bend test

Bend Test
3 Bar Bend Test Through 180 Degree is Satisfactory

Test Performed and Verified by:

To,
Sabbain Majeed
ASM Steel Buildings, Lahore

Reference # CED/TFL **6811** (Dr. Rizwan Azam)
Reference of the request letter # Nil

Dated: 15-04-2025

Dated: 15-04-2025

Tension Test Report (Page – 1/1)

Date of Test 15-04-2025

Gauge length 2 inches

Description 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)	(kg)	(kg)	(MPa)	(MPa)	(in)		
1	HR Plate (4mm)	27.0x4.0	108.00	3600	5400	327	491	0.70	35.00	
2	HR Plate (5mm)	26.9x5.0	134.50	5000	7000	365	511	0.70	35.00	
3	HR Plate (6mm)	27.2x5.9	160.48	-	9100	-	556	0.60	30.00	
4	HR Plate (8mm)	26.8x8.0	214.40	-	12900	-	590	0.60	30.00	
5	HR Plate (10mm)	26.8x9.8	262.64	-	15000	-	560	0.60	30.00	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
Only Five Samples for Tensile Test										
Bend Test										

Test Performed and Verified by: