

To,
 AF Steel Re Rolling Mills
 70-Foot & 45-Foot Tower Structures & Tower Project of World Wide Vision at Islamabad Airport

Reference # CED/TFL

7226 (Dr. M Kashif)

Dated: 16-07-2025

Reference of the request letter #

AFS/WWW#1607025/26

Dated: 16-07-2025

Tension Test Report (Page-1/3)

Date of Test 18-07-2025

Gauge Length 2 inches

Description H.T Angle Steel Strips Tensile Test Report

Sr. No.	Designation	Size of Strip	X Section Area	Yield Load	Breaking Load	Yield Stress	Ultimate Stress	Elongation	% Elongation	Remarks
	(Inch)	(mm)	(mm ²)	(kg)	(kg)	(MPa)	(MPa)	(inch)		
1	4" x 4" x 3/8"	10.00 x 25.00	250.00	10190	14700	399.9	576.8	0.7	35.0	Ishtiaq Steel
2	1/2" x 3-1/2" x 1/4"	6.60 x 24.10	159.06	6420	9630	396.0	593.9	0.7	35.0	Ishtiaq Steel
3	3" x 3" x 3/16"	4.90 x 24.20	118.58	5300	7510	438.5	621.3	0.6	30.0	Ishtiaq Steel
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Note: Only 3 Samples for Tensile and 3 Samples for Bend test

Bend Test	
4" x 4" x 3/8" Strip Bend Test Through 180 Degree is Satisfactory	
3-1/2" x 3-1/2" x 1/4" Strip Bend Test Through 180 Degree is Satisfactory	
3" x 3" x 3/16" Strip Bend Test Through 180 Degree is Satisfactory	

Test Performed and Verified by:

To,
 AF Steel Re Rolling Mills
 70-Foot & 45-Foot Tower Structures & Tower Project of World Wide Vision at Islamabad Airport

Reference # CED/TFL 7226 (Dr. M Kashif)
 Reference of the request letter # AFS/WWW#1607025/26

Dated: 16-07-2025
 Dated: 16-07-2025

Tension Test Report (Page-2/3)

Date of Test 18-07-2025
 Gauge Length 2 inches
 Description M.S Angle Steel Strips Tensile Test Report

Sr. No.	Designation	Size of Strip	X Section Area	Yield Load	Breaking Load	Yield Stress	Ultimate Stress	Elongation	% Elongation	Remarks
	(Inch)	(mm)	(mm ²)	(kg)	(kg)	(MPa)	(MPa)	(inch)		
4	-1/2"x1-1/2"x3/16	4.80 x 24.00	115.20	4280	5830	364.5	496.5	1.1	55.0	Ishtiaq Steel
5	-3/4"x1-3/4"x3/16	4.80 x 24.50	117.60	4450	5830	371.2	486.3	0.8	40.0	Ishtiaq Steel
6	-1/2"x2-1/2"x3/16	4.80 x 24.20	116.16	4400	5910	371.6	499.1	0.8	40.0	Ishtiaq Steel
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Note: Only 3 Samples for Tensile and 3 Samples for Bend test

Bend Test

1-1/2"x1-1/2"x3/16" Strip Bend Test Through 180 Degree is Satisfactory

1-3/4"x1-3/4"x3/16" Strip Bend Test Through 180 Degree is Satisfactory

2-1/2"x2-1/2"x3/16" Strip Bend Test Through 180 Degree is Satisfactory

Test Performed and Verified by:

To,
 AF Steel Re Rolling Mills
 70-Foot & 45-Foot Tower Structures & Tower Project of World Wide Vision at Islamabad Airport
 -

Reference # CED/TFL 7226 (Dr. M Kashif)
 Reference of the request letter # AFS/WWW#1607025/26

Dated: 16-07-2025
 Dated: 16-07-2025

Tension Test Report (Page-3/3)

Date of Test 18-07-2025
 Gauge Length 2 inches
 Description MS Plate Steel Strips Tensile Test Report

Sr. No.	Designation	Size of Strip	X Section Area	Yield Load	Breaking Load	Yield Stress	Ultimate Stress	Elongation	% Elongation	Remarks
	(Inch)	(mm)	(mm ²)	(kg)	(kg)	(MPa)	(MPa)	(inch)		
7	MS Plate 1/4"	6.50 x 20.00	130.00	3640	4810	274.7	363.0	0.9	45.0	-
8	MS Plate 3/8"	9.70 x 21.40	207.58	7030	10160	332.2	480.2	0.9	45.0	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

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

Bend Test

MS Plate 1/4" Strip Bend Test Through 180 Degree is Satisfactory

MS Plate 3/8" Strip Bend Test Through 180 Degree is Satisfactory

Test Performed and Verified by:

To,

Executive Engineer

Buildings Division, Kasur

Construction of Yaseen khan Academic Block at DPS Ellahbad Tehsil Chunian District Kasur
(Under C.M District SDG's Programme of ADP 2024-25)

Reference # CED/TFL 7228 (Dr. M Kashif)

Dated: 16-07-2025

Reference of the request letter # 5690/D

Dated: 24-05-2025

Tension Test Report (Page-1/1)

Date of Test 18-07-2025

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 (kN)	Breaking Load (kN)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
				Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.373	3	0.374	0.110	0.11	37.00	55.70	75587	75822	113790	114143	1.0	12.5	-
2	0.367	3	0.371	0.110	0.108	36.00	54.70	73544	74978	111747	113925	1.0	12.5	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note: Only 2 Samples for Tensile and 0 Samples for Bend test

Bend Test

Test Performed and Verified by:

To,

Mr. Muhammad Sulaman Basharat (Site Civil Engineer)
AAA Partnership
JDW Tower Lahore

Reference # CED/TFL 7229 (Dr. M Kashif)
Reference of the request letter # AAA/SO/MSB/116/2025

Dated: 16-07-2025
Dated: 16-07-2025

Tension Test Report (Page-1/1)

Date of Test 18-07-2025
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 (kN)	Breaking Load (kN)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
				Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.362	3	0.368	0.110	0.106	39.50	49.50	80695	83349	101124	104450	0.9	11.3	-
2	0.363	3	0.368	0.110	0.107	39.20	50.00	80082	82697	102145	105481	1.0	12.5	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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,

Mr. Nadeem Ahmad (Resident Engineer)

Nespak (Pvt.) Ltd.

Tender No. P&S/25.01/5655-Strom Water Drainage System From Sham Nagar to River

Ravi (Package-II)

Reference # CED/TFL 7231 (Dr. M Kashif)

Dated: 17-07-2025

Reference of the request letter # 3882/11/NA/01/480

Dated: 28-06-2025

Tension Test Report (Page-1/1)

Date of Test 18-07-2025

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 (kN)	Breaking Load (kN)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
				Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.384	3	0.379	0.110	0.113	35.70	51.70	72932	71155	105618	103046	1.3	16.3	Aziz Steel
2	0.384	3	0.379	0.110	0.113	34.70	51.00	70889	69191	104188	101692	1.2	15.0	Aziz Steel
3	0.377	3	0.376	0.110	0.111	34.5	50.5	70480	70006	103166	102472	1.1	13.8	Aziz Steel
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note: Only 3 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:

Ref: CED/TFL/07/7233

Dated: 17-07-2025

Dated of Test: 18-07-2025 (Dr. Safeer Abbas)

To

**Mr. Absar Ali
Shah Jahan & Sons.**

Subject: MANHOLE GRATING (Page # 1/1)

Reference to your Letter No. Nil, dated: 17/07/2025, on the subject cited above. One sample of Manhole Grating received by us has been tested. The results are tabulated as shown below:

- **Length: 67.80 cm**
- **Width: 60.00 cm**
- **Size of test block: 250 mm**
- **Load applied: Center of Grating**
- **Failure load = 6800 kg**

Test Performed and Verified by: