

To,

Engr. M. Asif Javed (Project Manager)
Engineering Services & Architectural Consultants
Grand Central Mall Project Faisalabad

Reference # CED/TFL 7242 (Dr. Rizwan Azam)
Reference of the request letter # Nil

Dated: 21-07-2025
Dated: 07-07-2025

Tension Test Report (Page-1/1)

Date of Test 22-07-2025
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	0.372	3	0.373	0.110	0.109	34.50	51.00	70480	71001	104188	104958	1.3	16.3	Aziz Steel
2	0.372	3	0.373	0.110	0.109	36.00	54.70	73544	73943	111747	112352	0.9	11.3	Aziz Steel
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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,
 Project Manager
 Sunshine Health Care (Pvt.) Ltd.
 Sunshine Medical Tower Shashtra

Reference # CED/TFL 7244 (Dr. Rizwan Azam)
 Reference of the request letter # Nil

Dated: 21-07-2025
 Dated: 21-07-2025

Tension Test Report (Page-1/1)

Date of Test 22-07-2025
 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	0.382	3	0.378	0.110	0.112	35.00	52.00	71502	70013	106231	104019	1.3	16.3	-
2	0.377	3	0.376	0.110	0.111	35.20	51.00	71910	71386	104188	103428	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,
 Project Manager
 Sunshine Health Care (Pvt.) Ltd.
 Sunshine Medical Tower Shashtra

Reference # CED/TFL 7244 (Dr. Rizwan Azam)
 Reference of the request letter # Nil

Dated: 21-07-2025
 Dated: 21-07-2025

Tension Test Report (Page-1/1)

Date of Test 22-07-2025
 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	0.382	3	0.378	0.110	0.112	35.00	52.00	71502	70013	106231	104019	1.3	16.3	-
2	0.377	3	0.376	0.110	0.111	35.20	51.00	71910	71386	104188	103428	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,

Mr. Manohar Lal (Resident Engineer)

Nespak (Pvt.) Ltd.

Roads Restoration Program (2024-2025), Restoration / Improvement of Alipur Hafizabad Road,

Length = 14.10 KM District Hafizabad

Reference # CED/TFL 7246 (Dr. Rizwan Azam)

Dated: 21-07-2025

Reference of the request letter # 4834/103/RRP/HFZ/ML/LAB/14

Dated: 09-07-2025

Tension Test Report (Page-1/1)

Date of Test 22-07-2025

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 (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
				Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.367	3	0.371	0.110	0.108	3770	5220	75537	77028	104590	106654	0.8	10.0	-
2	0.369	3	0.371	0.110	0.108	3870	5320	77541	78730	106593	108229	0.7	8.8	-
3	4.114	10	1.241	1.270	1.209	28400	44400	49286	51781	77053	80953	2.1	26.3	Plain
4	4.132	10	1.243	1.270	1.214	28400	44200	49286	51550	76706	80229	2.2	27.5	Plain
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note: Only 4 Samples for Tensile and 2 Samples for Bend test

Bend Test

3 Bar Bend Test Through 180 Degree is Satisfactory

10 Bar Bend Test Through 180 Degree is Satisfactory

Test Performed and Verified by:

To,

Project Director

GC University, Faislabad

Construction of Gate No.02 & Gate No. 04 and Improvement of Road, Installation of Integrated Solar Street Lights, Construction of Box Culvert, R.C.C Water Course Along Road at Main Campus

Reference # CED/TFL 7248 (Dr. Rizwan Azam)

Dated: 21-07-2025

Reference of the request letter # GCUF/EC/9570

Dated: 03-07-2025

Tension Test Report (Page-1/1)

Date of Test 22-07-2025

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	0.387	3	0.380	0.110	0.114	36.50	52.70	74566	72185	107661	104224	1.2	15.0	Aziz Steel
2	0.366	3	0.370	0.110	0.107	34.20	50.20	69867	71498	102554	104947	1.0	12.5	Aziz Steel
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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,
 Nine Arches
 103-B-I MM Alam Road Gulberg Lahore
 (Markhor Steel)

Reference # CED/TFL 7249 (Dr. Rizwan Azam)
 Reference of the request letter # Nil

Dated: 21-07-2025
 Dated: 21-07-2025

Tension Test Report (Page-1/1)

Date of Test 22-07-2025
 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	0.360	3	0.367	0.110	0.106	48.00	54.50	98059	101847	111338	115639	0.9	11.3	3/8"
2	0.361	3	0.367	0.110	0.106	47.00	54.00	96016	99599	110317	114433	0.9	11.3	3/8"
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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,

Engr. Tausif (Project Manager Civil)
Zubair Grain Products Pvt. Ltd.
Zubair Grain Project, Sahiwal

Reference # CED/TFL 7251 (Dr. Rizwan Azam)
Reference of the request letter # Nil

Dated: 22-07-2025
Dated: 22-07-2025

Tension Test Report (Page-1/1)

Date of Test 22-07-2025
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	0.379	3	0.377	0.110	0.111	39.50	47.00	80695	79622	96016	94741	1.2	15.0	3/8"
2	0.378	3	0.376	0.110	0.111	39.20	46.70	80082	79339	95403	94518	1.0	12.5	3/8"
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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: