

To,
Mr. Farman Ali

Reference # CED/TFL **7394** (Dr. Asif Hameed)
Reference of the request letter # Nil

Dated: 20-08-2025
Dated: 20-08-2025

Tension Test Report (Page – 1/1)
Date of Test 26-08-2025
Description Steel Wire Rope Tensile Test

Sr. No.	Nominal Diameter	Measured weight			Breaking Load	Remarks / Coil No.
	(mm)	Weight (g)	Length (cm)	(kg/m)	(kg)	
1	27 (7x35)	3471	106.8	3.25	20100	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
Only one sample for test						
-	-	-	-	-	-	-

Test Performed and Verified by:

To,

Muhammad Saad Shafique (Civil Engineer)
Alka (Pvt.) Ltd.
Alka (Pvt.) Ltd. Fiedmc Faisalabad

Reference # CED/TFL 7410 (Dr. Rizwan Azam)
Reference of the request letter # Nil

Dated: 25-08-2025
Dated: 19-08-2025

Tension Test Report (Page-1/1)

Date of Test 26-08-2025
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	0.371	3	0.373	0.110	0.1091	3400	5000	68124	68697	100182	101025	1.2	15.0	-
2	0.374	3	0.374	0.110	0.1098	3500	5100	70127	70230	102185	102335	1.1	13.8	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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,

Mr. M. Usman Rauf (Resident Engineer)

Nespak (Pvt.) Ltd.

Improvement of Road from Imam Bargah Chowk Pattoki to Chunian Ellahbad Road Mirkot Minor

Length =18.80 Km in Distt. Kasur

Reference # CED/TFL 7411 (Dr. Rizwan Azam)

Dated: 25-08-2025

Reference of the request letter # 4084/103/MUR/104/75

Dated: 20-06-2025

Tension Test Report (Page-1/2)

Date of Test 26-08-2025

Gauge Length 8 inches

Description Plain 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	4.133	10	1.244	1.270	1.215	--	46400	--	--	80524	84199	0.6	7.5	Dowel
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

Bend Test

10 Bar Bend Test Through 180 Degree is Satisfactory

Test Performed and Verified by:

To,

Mr. M. Usman Rauf (Resident Engineer)

Nespak (Pvt.) Ltd.

Improvement of Road from Imam Bargah Chowk Pattoki to Chunian Ellahbad Road Mirkot Minor

Length =18.80 Km in Distt. Kasur

Reference # CED/TFL 7411 (Dr. Rizwan Azam)

Dated: 25-08-2025

Reference of the request letter # 4084/103/MUR/104/74

Dated: 20-06-2025

Tension Test Report (Page-2/2)

Date of Test 26-08-2025

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	0.378	3	0.376	0.110	0.111	3700	5500	74135	73411	110200	109125	1.2	15.0	-
2	0.383	3	0.378	0.110	0.112	3800	5600	76138	74467	112204	109741	1.1	13.8	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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. Sajjad Karim (Project Engineer)
7 Canal Developers
7 Canal Residential Apartments Buildings

Reference # CED/TFL 7414 (Dr. Rizwan Azam)
Reference of the request letter # Nil

Dated: 25-08-2025
Dated: 25-08-2025

Tension Test Report (Page-1/1)

Date of Test 26-08-2025
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	0.401	3	0.387	0.110	0.118	3800	5000	76138	71143	100182	93610	0.8	10.0	-
2	0.396	3	0.385	0.110	0.116	3800	4800	76138	72014	96175	90965	1	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,

Engr. Tufail Asghar (Resident Engineer)
Spectra Engineering Solutions (Pvt.) Ltd.
Feasibility Study, Detailed Engineering Survey, Soil Investigations, Hydrology Study and
Detailed Design of Bridge & Rural Road Immit Valley, Ghizer, Gilgit.

Reference # CED/TFL **7415** (Dr. Asif Hameed)

Dated: 25-08-2025

Reference of the request letter # Nil

Dated: 25-08-2025

Tension Test Report (Page – 1/1)

Date of Test 26-08-2025

Description Steel Wire Rope Tensile Test

Sr. No.	Nominal Diameter	Measured weight			Breaking Load	Remarks / Coil No.
	(mm)	Weight (g)	Length (cm)	(kg/m)	(kg)	
1	36	5773	106.0	5.45	56000	-
2	36	5802	106.4	5.45	57000	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
Only two samples for test						
-	-	-	-	-	-	-

Test Performed and Verified by:

To,
 Mr. Babar Shehzad (Manager Civil)
 United Industries Ltd.

Reference # CED/TFL 7423 (Dr. Usman Akmal)
 Reference of the request letter # Nil

Dated: 27-08-2025
 Dated: 25-08-2025

Tension Test Report (Page-1/1)

Date of Test 27-08-2025
 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	0.375	3	0.374	0.110	0.1101	3200	5000	64116	64065	100182	100102	1.3	16.3	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note: Only 1 Samples for Tensile and 0 Samples for Bend test

Bend Test														

Test Performed and Verified by:

To,

Mr. Muhammad Farooq Awan (Project Manager)
AAA Partnership (Pvt.) Ltd.
JDW Tower Lahore

Reference # CED/TFL 7419 (Dr. Rizwan Azam)
Reference of the request letter # AAA/SO/MFA/118/2025

Dated: 25-08-2025
Dated: 25-08-2025

Tension Test Report (Page-1/1)

Date of Test 26-08-2025
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	0.369	3	0.372	0.110	0.109	3500	5000	70127	71066	100182	101523	1.3	16.3	-
2	0.366	3	0.370	0.110	0.108	3500	4900	70127	71745	98178	100443	1.4	17.5	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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. Anwar ul Haq (Project Manager)
IKAN Engineering Services (Pvt.) Ltd.
Construction of Zong MSC Faisalabad (Ittehad Steel)
Witness by: Mr. Naem Yaseen

Reference # CED/TFL 7420 (Dr. Syed Asad Ali Gillani)
Reference of the request letter # IKAN-FSD-SITE-UET/028

Dated: 26-08-2025
Dated: 26-08-2025

Tension Test Report (Page-1/1)

Date of Test 26-08-2025
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	0.381	3	0.377	0.110	0.112	32.70	45.70	66803	65658	93361	91761	1.3	16.3	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note: Only 1 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: