To,

Mr. Hamid Ali (Resident Engineer)
Nespak (Pvt.) Ltd.
Construction of Additional Carriageway (Dehli-Multan Road) From Darammawala More to Pull 114/10-R Length: 6.00 KM District Khanewal ADP No. 7718 for the Year 2024-25 (Aziz Steel)

Reference # CED/TFL **7267** (Dr. M Kashif) Dated: 24-07-2025
Reference of the request letter # 4834/HA/03/16 Dated: 17-07-2025

Tension Test Report

Date of Test 29-07-2025
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	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
				Nominal	Actual	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	**0.369**	**3**	**0.372**	**0.110**	**0.108**	**29.20**	**40.20**	**59653**	**60496**	**82125**	**83285**	**1.3**	**16.3**	-
2	**0.370**	**3**	**0.372**	**0.110**	**0.109**	**29.50**	**40.50**	**60266**	**60918**	**82737**	**83634**	**1.5**	**18.8**	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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,

Ms. Noor Ul Huda (Q.S)
Professional Construction Services (Pvt.) Ltd.
Construction of Admission & Marketing Office at Namal University, Mianwali.

Reference # CED/TFL **7279** (Dr. M Kashif) Dated: 28-07-2025
Reference of the request letter # PCS/25/Eng-62-A Dated: 28-07-2025

Tension Test Report (Page-1/1)

Date of Test 30-07-2025
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	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
				Nominal	Actual	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	**0.377**	**3**	**0.375**	**0.110**	**0.111**	**37.50**	**50.00**	**76609**	**76120**	**102145**	**101494**	**1.0**	**12.5**	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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:

To,

Mr. Anwar Ul Haq (Project Manager)
IKAN Engineering Services (Pvt.) Ltd.
Construction of Zong MSC Faisalabad (Ittehad Steel)
(Witness by: Mr. Naeem Yasin)

Reference # CED/TFL **7280** (Dr. M Kashif) Dated: 28-07-2025
Reference of the request letter # IKAN-FSD-SITE-UET/019 Dated: 28-07-2025

Tension Test Report

Date of Test 29-07-2025
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	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
				Nominal	Actual	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	**0.371**	**3**	**0.373**	**0.110**	**0.109**	**32.70**	**46.50**	**66803**	**67428**	**94995**	**95883**	**1.4**	**17.5**	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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:

To,

Mr. Adnan Jamil (Civil Engineer)
National Management Foundation
Construction of Yusuf Shirazi Complex at LUMS Campus

Reference # CED/TFL **7281** (Dr. M Kashif) Dated: 28-07-2025
Reference of the request letter # NMF/GM/C-39/892 Dated: 28-07-2025

Tension Test Report (Page-1/1)

Date of Test 29-07-2025
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 (mm)	Actual Diameter (inch)	Area (in^2)		Yield Load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
				Nominal	Actual	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	**0.368**	**10**	**0.371**	**0.120**	**0.108**	**32.20**	**47.70**	**60300**	**67005**	**89326**	**99258**	**1.3**	**16.3**	-
2	**0.365**	**10**	**0.369**	**0.120**	**0.107**	**32.00**	**47.20**	**59925**	**67104**	**88390**	**98978**	**1.3**	**16.3**	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

Bend Test
10mm Bar Bend Test Through 180 Degree is Satisfactory

Test Performed and Verified by:

To,

Mr. Faisal Bhatti (PM Project)
Ittefaq Building Solutions (Pvt.) Ltd.
Haider Saeed Commercial, Lahore
(Kamran Steel)

Reference # CED/TFL **7282** (Dr. M Kashif) Dated: 28-07-2025
Reference of the request letter # Nil Dated: 28-07-2025

Tension Test Report (Page-1/1)

Date of Test 29-07-2025
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	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
				Nominal	Actual	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	**0.369**	**3**	**0.372**	**0.110**	**0.108**	**34.20**	**47.50**	**69867**	**70835**	**97038**	**98381**	**1.3**	**16.3**	-
2	**0.366**	**3**	**0.370**	**0.110**	**0.107**	**34.50**	**46.50**	**70480**	**72127**	**94995**	**97215**	**1.2**	**15.0**	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 2 Samples for Tensile and 0 Samples for Bend test														

Bend Test

Test Performed and Verified by:

To,

Mr. Abdul Basset (Material Engineer BMC)
Banu Mukhtar Contracting (Pvt.) Ltd.
Burj-1 by AJWA Builders

Reference # CED/TFL **7283** (Dr. M Kashif) Dated: 28-07-2025
Reference of the request letter # DOC-BMC/AJWA/162 Dated: 28-07-2025

Tension Test Report (Page-1/1)

Date of Test 29-07-2025
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	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
				Nominal	Actual	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	**0.375**	**3**	**0.374**	**0.110**	**0.11**	**35.30**	**47.50**	**72114**	**72033**	**97038**	**96928**	**1.2**	**15.0**	-
2	**0.377**	**3**	**0.375**	**0.110**	**0.111**	**36.50**	**48.20**	**74566**	**74075**	**98468**	**97819**	**1.3**	**16.3**	-
3	**0.373**	**3**	**0.374**	**0.110**	**0.11**	**35.7**	**47.7**	**72932**	**73110**	**97446**	**97685**	**1.2**	**15.0**	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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:

To,

M/S Altec International, Lahore

Reference # CED/TFL **7284** (Dr. M. Kashif) Dated: 28-07-2025
Reference of the request letter # Nil Dated: 21-07-2025

Tension Test Report (Page – 1/1)

Date of Test 29-07-2025
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	**8.3**	**328.0**	**134.4**	**0.24**	**5000**	**-**
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-			-	-
Only one sample for test						
-	-	-			-	-

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 Detail Design of Bridge & Rural Road Immit Valley, Ghizer, Gilgit-Baltistan.

Reference # CED/TFL **7285** (Dr. M. Kashif) Dated: 28-07-2025
Reference of the request letter # SES-GB-BADSWAT/2025-001 Dated: 28-07-2025

Tension Test Report (Page – 1/1)

Date of Test 29-07-2025
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**	**5676**	**109.1**	**5.20**	**55000**	**-**
2	**36**	**5698**	**108.9**	**5.23**	**54200**	**-**
3	**16**	**1129**	**106.0**	**1.07**	**16000**	**-**
4	**16**	**1134**	**106.4**	**1.07**	**16500**	**-**
5	**13**	**655**	**106.5**	**0.62**	**9100**	**-**
6	**13**	**665**	**106.0**	**0.63**	**9900**	
Only six samples for test						
-	-	-			-	-

Test Performed and Verified by: