

To,

Mr. Salman Shahid (General Manager/Project Manager)

Nespak (Pvt.) Ltd.

Construction of Platform along with Allied Services for TPS -77, MRR Radar at Kirana Top at
PAF Base Mushaf

Reference # CED/TFL **7061** (Dr. Usman Akmal)

Dated: 03-06-2025

Reference of the request letter # 4800/321/SS/01/3591

Dated: 02-06-2025

Tension Test Report (Page-1/1)

Date of Test 04-06-2025

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	44.70	75587	75773	91318	91542	0.8	10.0	-
2	0.372	3	0.373	0.110	0.109	43.20	50.00	88253	88840	102145	102824	0.9	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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. Ishtiaq Ahmed (Chief Resident Engineer)
Nespak (Pvt.) Ltd. (Water & Sanitation Agency F.D.A Fsd.)
Design & resident Supervision of the Project Development Schemes (ADP 2024-2025) to
Cater Sewerage Issues of Faisalabad City (Job # P-43219)

Reference # CED/TFL **7063** (Dr. Usman Akmal) Dated: 03-06-2025
Reference of the request letter # 43219/SEW(2024-2025)/CRE/FSD/17 Dated: 02-06-2025

Tension Test Report (Page -1/1)
Date of Test 04-06-2025
Gauge length 8 inches
Description Tensile and Bend Test (Plain Bar)

Sr. No.	Weight	Diameter/ Size (inch)		Area (in ²)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal (Inch)	Actual	Nominal	Actual	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.176	2/8	0.257	-	0.052	16.20	18.70	-	70260	-	81100	1.30	16.3	-
2	0.178	2/8	0.258	-	0.052	15.00	18.50	-	64380	-	79400	1.60	20.0	-
3	0.106	3/16	0.199	-	0.031	-	15.70	-	-	-	113600	0.60	7.5	-
4	0.101	3/16	0.194	-	0.030	-	15.50	-	-	-	117300	0.80	10.0	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: only four samples for tensile and two for bend test														
Bend Test														
#2/8 Bar Bend Test Through 180° is Satisfactory														
#3/16 Bar Bend Test Through 180° is Satisfactory														

To,
Mr. Ishtiaq Ahmed (Chief Resident Engineer)
Nespak (Pvt.) Ltd. (Water & Sanitation Agency F.D.A Fsd.)
Design & resident Supervision of the Project Development Schemes (ADP 2024-2025) to
Cater Sewerage Issues of Faisalabad City (Job # P-43219)

Reference # CED/TFL **7064** (Dr. Usman Akmal) Dated: 03-06-2025
Reference of the request letter # 43219/SEW(2024-2025)/CRE/FSD/18 Dated: 02-06-2025

Tension Test Report (Page -1/1)
Date of Test 04-06-2025
Gauge length 8 inches
Description Tensile and Bend Test (Plain Bar)

Sr. No.	Weight	Diameter/ Size (inch)		Area (in ²)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal (Inch)	Actual	Nominal	Actual	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.095	3/16	0.188	-	0.028	-	10.50	-	-	-	84700	1.00	12.5	-
2	0.099	3/16	0.192	-	0.029	-	14.50	-	-	-	112500	0.20	2.5	-
3	0.177	2/8	0.258	-	0.052	15.50	19.00	-	66800	-	81900	1.70	21.3	-
4	0.173	2/8	0.254	-	0.051	14.20	17.70	-	62770	-	78300	1.60	20.0	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: only four samples for tensile and two for bend test														
Bend Test														
#3/16 Bar Bend Test Through 180° is Satisfactory														
#2/8 Bar Bend Test Through 180° is Satisfactory														

To,

Sub Divisional Officer
Paharang Drainage Sub Division, Faisalabad
Construction of Lahorian-I Try Drain From RD 0+000 to 10+400 and Lahorian-II Try Drain From RD 0+000 to 8+000

Reference # CED/TFL 7065 (Dr. Usman Akmal)
Reference of the request letter # 139/L-I&L-II

Dated: 03-06-2025
Dated: 16-05-2025

Tension Test Report (Page-1/1)

Date of Test 04-06-2025
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	0.382	3	0.378	0.110	0.112	38.00	50.00	77630	76009	102145	100011	0.9	11.3	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test

Test Performed and Verified by:

To,
 Mr. M. Nadeem Zafarullah (Incharge CIVIL)
 Sui Northern Gas
 Construction of Workshop into Lecture Hall, SNGTI, Lahore

Reference # CED/TFL 7066 (Dr. Usman Akmal) Dated: 03-06-2025
 Reference of the request letter # CC/UPGD/Hall/SNGTI Dated: 03-06-2025

Tension Test Report (Page-1/1)
 Date of Test 04-06-2025
 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	0.372	3	0.373	0.110	0.109	34.70	44.20	70889	71421	90296	90975	1.2	15.0	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test

Test Performed and Verified by:

To,
 Engr. Rashid (Site Incharge)
 Husnain Builders
 Lahore American School Upper Mall Lahore

Reference # CED/TFL 7067 (Dr. Usman Akmal)
 Reference of the request letter # Nil

Dated: 04-06-2025
 Dated: 04-06-2025

Tension Test Report (Page-1/1)

Date of Test 04-06-2025
 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	35.50	44.20	72523	74914	90296	93273	1.3	16.3	-
2	0.362	3	0.368	0.110	0.106	35.70	44.50	72932	75336	90909	93906	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. Salman Shahid (General Manager/Project Manager)

Nespak (Pvt.) Ltd.

Construction of Platform along with Allied Services for TPS -77, MRR Radar at Kirana Top at
PAF Base Mushaf

Reference # CED/TFL **7061** (Dr. Usman Akmal)

Dated: 03-06-2025

Reference of the request letter # 4800/321/SS/01/3591

Dated: 02-06-2025

Tension Test Report (Page-1/1)

Date of Test 04-06-2025

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	44.70	75587	75773	91318	91542	0.8	10.0	-
2	0.372	3	0.373	0.110	0.109	43.20	50.00	88253	88840	102145	102824	0.9	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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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. Ishtiaq Ahmed (Chief Resident Engineer)
Nespak (Pvt.) Ltd. (Water & Sanitation Agency F.D.A Fsd.)
Design & resident Supervision of the Project Development Schemes (ADP 2024-2025) to
Cater Sewerage Issues of Faisalabad City (Job # P-43219)

Reference # CED/TFL **7063** (Dr. Usman Akmal) Dated: 03-06-2025
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Tension Test Report (Page -1/1)
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Gauge length 8 inches
Description Tensile and Bend Test (Plain Bar)

Sr. No.	Weight	Diameter/ Size (inch)		Area (in ²)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal (Inch)	Actual	Nominal	Actual	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.176	2/8	0.257	-	0.052	16.20	18.70	-	70260	-	81100	1.30	16.3	-
2	0.178	2/8	0.258	-	0.052	15.00	18.50	-	64380	-	79400	1.60	20.0	-
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Note: only four samples for tensile and two for bend test														
Bend Test														
#2/8 Bar Bend Test Through 180° is Satisfactory														
#3/16 Bar Bend Test Through 180° is Satisfactory														

To,
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	(lbs/ft)	Nominal (Inch)	Actual	Nominal	Actual	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
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4	0.173	2/8	0.254	-	0.051	14.20	17.70	-	62770	-	78300	1.60	20.0	-
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Note: only four samples for tensile and two for bend test														
Bend Test														
#3/16 Bar Bend Test Through 180° is Satisfactory														
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To,

Sub Divisional Officer
Paharang Drainage Sub Division, Faisalabad
Construction of Lahorian-I Try Drain From RD 0+000 to 10+400 and Lahorian-II Try Drain From RD 0+000 to 8+000

Reference # CED/TFL 7065 (Dr. Usman Akmal)
Reference of the request letter # 139/L-I&L-II

Dated: 03-06-2025
Dated: 16-05-2025

Tension Test Report (Page-1/1)

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				Nominal	Actual	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test

Test Performed and Verified by:

To,
 Mr. M. Nadeem Zafarullah (Incharge CIVIL)
 Sui Northern Gas
 Construction of Workshop into Lecture Hall, SNGTI, Lahore

Reference # CED/TFL 7066 (Dr. Usman Akmal)
 Reference of the request letter # CC/UPGD/Hall/SNGTI

Dated: 03-06-2025
 Dated: 03-06-2025

Tension Test Report (Page-1/1)

Date of Test 04-06-2025
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test														

Test Performed and Verified by:

To,
 Engr. Rashid (Site Incharge)
 Husnain Builders
 Lahore American School Upper Mall Lahore

Reference # CED/TFL 7067 (Dr. Usman Akmal)
 Reference of the request letter # Nil

Dated: 04-06-2025
 Dated: 04-06-2025

Tension Test Report (Page-1/1)

Date of Test 04-06-2025
 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
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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: