

To,

Senior Engineer,
PATRIP Project SRSP,
Construction of Patai and Ursoon Bridges in UC Ashrait Citral (PAK-SRSP-CHI-019)
Creative Engineering Consultants (PMCSC)

Reference # CED/TFL **7071** (Dr. M. Rizwan Riaz)
Reference of the request letter # Nil

Dated: 04-06-2025
Dated: 02-06-2025

Tension Test Report (Page – 1/1)

Date of Test 13-06-2025
Description Steel Wire Rope Tensile Test

Sr. No.	Nominal Diameter	Measured weight	Breaking Load	Remarks / Coil No.
	(mm)	(kg/m)	(kg)	
1	12	0.64	10300	-
2	25	2.57	35400	-
3	32	4.42	65200	-
-	-	-	-	-
-	-	-	-	-
Only three samples for Test				

Test Performed and Verified by:

To,
Field Officer Site
AI Abdullah Constructors (Pvt.) Ltd.

Reference # CED/TFL **7073** (Dr. Rizwan Riaz)
Reference of the request letter # AAC/MT-003/2025

Dated: 11-06-2025
Dated: 11-06-2025

Tension Test Report (Page -1/2)

Date of Test 13-06-2025
Gauge length 600 mm
Description Steel Strand Tensile Test as per ASTM A-416-94a

Sr. No.	Nominal Diameter	Nominal Weight	Measured weight	Yield strength clause (6.3)		Breaking strength clause (6.2)		% Elongation	Remarks / Coil No.
	(mm)	(kg/1000m)	(kg/1000m)	(kg)	(kN)	(kg)	(kN)		
1	9.53 (3/8")	432.0	446.0	10100	99.08	11000	107.91	>3.50	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
Only one sample for test									

Note:

1. Modulus of Elasticity is based on nominal steel area of the steel strand vide clause 13.3 of ASTM – A416a
2. Load versus percentage strain graphs are attached

Test Performed and Verified by:

To,
Field Officer Site
AI Abdullah Constructors (Pvt.) Ltd.

Reference # CED/TFL **7073** (Dr. Rizwan Riaz)
Reference of the request letter # AAC/MT-003/2025

Dated: 11-06-2025
Dated: 11-06-2025

Tension Test Report (Page -2/2)
Date of Test 13-06-2025
Gauge length 8 inches
Description MS Wire Tensile Test

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 (mm)	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.103	5	0.196	-	0.030	800	1080	-	58270	-	78700	0.40	5.0	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: only one sample for tensile test														
Bend Test														

Test Performed and Verified by:

To,
Mr. Muhammad Saleem (Material Engineer Nespak)
Nespak (Pvt.) Ltd.
Annual Development Program-Wasa (ADP-2024-25) Rainwater Management -Drainage Arrangement
for Sore Point "at Tajpura (Amina & Babri), Lahore (Islamabad Premium Steel)

Reference # CED/TFL 7074 (Dr. Rizwan Riaz) Dated: 12-06-2025
Reference of the request letter # Nespak/WASA/ADP/UGWT/TP/ME/09 Dated: 24-05-2025

Tension Test Report (Page-1/1)
Date of Test 13-06-2025
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	0.363	3	0.368	0.110	0.107	31.50	47.70	64351	66398	97446	100545	1.3	16.3	-
2	0.359	3	0.366	0.110	0.105	31.00	46.20	63330	66074	94382	98472	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. Asim Chiragh (Resident Engineer)

Nespak (Pvt.) Ltd.

Restoration/Improvement of Lahore Sargodha Road (khanqah Dogran to District Boundary)

Length=9.5 KM (Section KM 0.00 to 1.33 KM) in Tehsil Safdarabad District Sheikhupura (Supreme Ste

Reference # CED/TFL **7075** (Dr. Rizwan Riaz)

Dated: 12-06-2025

Reference of the request letter # 4834/103/RRP-24/AC/93

Dated: 14-05-2025

Tension Test Report

(Page-1/2)

Date of Test 13-06-2025

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	0.400	3	0.387	0.110	0.117	32.50	52.20	66394	62214	106639	99925	1.1	13.8	-
2	0.382	3	0.378	0.110	0.112	25.50	37.00	52094	51004	75587	74006	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:

e)

To,

Mr. Asim Chiragh (Resident Engineer)

Nespak (Pvt.) Ltd.

Restoration/Improvement of Lahore Sargodha Road (khanqah Dogran to District Boundary) Length=9.5
(Section KM 0.00 to 1.33 KM) in Tehsil Safdarabad District Sheikhpura (Supreme Steel)

Reference # CED/TFL 7075 (Dr. Rizwan Riaz)

Dated: 12-06-2025

Reference of the request letter # 4834/103/RRP-24/AC/93

Dated: 14-05-2025

Tension Test Report (Page-2/2)

Date of Test 13-06-2025

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	4.329	10	1.273	1.270	1.272	51000	53000	88507	88370	91978	91835	0.7	8.8	Dowel
2	4.329	10	1.273	1.270	1.272	51000	52400	88507	88357	90937	90782	0.7	8.8	Dowel
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 2 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:

KM

To,

Sub Divisional Officer
Public Health Engg: Sub Division Kasur
Construction of Sewerage, Water Supply, Drainage and Filtration Plants ETC at UC Mirali Hithar
Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)
Reference of the request letter # 153

Dated: 12-06-2025
Dated: 25-04-2025

Tension Test Report (Page-1/31)

Date of Test 13-06-2025
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	0.380	3	0.377	0.110	0.112	31.00	46.50	63330	62441	94995	93661	1.4	17.5	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test

Test Performed and Verified by:

To,

Sub Divisional Officer
Public Health Engg: Sub Division Kasur
Construction of Sullage Carrier, Sewerage and Drainage System at Kacha Pacca, Sher Kot and
Adjoining Abadies Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)
Reference of the request letter # 158

Dated: 12-06-2025
Dated: 26-04-2025

Tension Test Report (Page-2/31)

Date of Test 13-06-2025
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	0.379	3	0.377	0.110	0.112	31.20	46.50	63739	62876	94995	93710	1.3	16.3	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test

Test Performed and Verified by:

To,

Sub Divisional Officer
Public Health Engg: Sub Division Kasur
Construction of Sewerage, Water Supply Drainage and Filtration Plants etc at UC DAO Key
Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)
Reference of the request letter # 127

Dated: 12-06-2025
Dated: 08-04-2025

Tension Test Report (Page-3/31)

Date of Test 13-06-2025
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	0.384	3	0.379	0.110	0.113	30.20	47.00	61696	60118	96016	93562	1.5	18.8	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test														

Test Performed and Verified by:

To,

Sub Divisional Officer
Public Health Engg: Sub Division Kasur
Construction of Sewerage, Water Supply Drainage and Filtration Plants etc at UC DAO Key
Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)
Reference of the request letter # 127

Dated: 12-06-2025
Dated: 08-04-2025

Tension Test Report (Page-3/31)

Date of Test 13-06-2025
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	0.384	3	0.379	0.110	0.113	30.20	47.00	61696	60118	96016	93562	1.5	18.8	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test														

Test Performed and Verified by:

To,
 Sub Divisional Officer
 Public Health Engg: Sub Division Kasur
 Construction of Sewerage, Water Supply, Drainage and Filtration Plants etc at Town Committee
 Khudian Phase-II Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)
 Reference of the request letter # 123

Dated: 12-06-2025
 Dated: 04-04-2025

Tension Test Report (Page-4/31)

Date of Test 13-06-2025
 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	0.371	3	0.373	0.110	0.109	30.70	46.00	62717	63255	93973	94779	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,

Sub Divisional Officer
Public Health Engg: Sub Division Kasur
Construction of Sewerage, Water Supply, Drainage and Filtration Plants etc at UC Rajo Wal
Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)
Reference of the request letter # 128

Dated: 12-06-2025
Dated: 08-04-2025

Tension Test Report (Page-6/31)

Date of Test 13-06-2025
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	0.374	3	0.374	0.110	0.11	30.70	45.70	62717	62829	93361	93527	1.4	17.5	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test

Test Performed and Verified by:

To,
 Sub Divisional Officer
 Public Health Engg: Sub Division Kasur
 Construction of Sewerage, Water Supply, Drainage and Filtration Plants etc at UC Sanda
 Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)
 Reference of the request letter # 152

Dated: 12-06-2025
 Dated: 25-04-2025

Tension Test Report (Page-7/31)

Date of Test 13-06-2025
 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	0.380	3	0.377	0.110	0.112	31.00	46.00	63330	62409	93973	92607	1.3	16.3	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test														

Test Performed and Verified by:

To,

Sub Divisional Officer
Public Health Engg: Sub Division Kasur
Construction of Sewerage, Water Supply, Drainage and Filtration Plants etc at Judicial Complex
District Courts and District Bar Kasur.

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)
Reference of the request letter # 155

Dated: 12-06-2025
Dated: 26-04-2025

Tension Test Report (Page-8/31)

Date of Test 13-06-2025
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	0.376	3	0.375	0.110	0.111	31.00	46.70	63330	62985	95403	94884	1.4	17.5	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test														

Test Performed and Verified by:

To,
 Sub Divisional Officer
 Public Health Engg: Sub Division Kasur
 Construction of Sewerage, Water Supply, Drainage and Filtration Plants etc at Mandi Usman Wala
 Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)
 Reference of the request letter # 150

Dated: 12-06-2025
 Dated: 24-04-2025

Tension Test Report (Page-9/31)

Date of Test 13-06-2025
 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	0.374	3	0.374	0.110	0.11	30.00	46.20	61287	61355	94382	94486	1.4	17.5	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test														

Test Performed and Verified by:

To,

Sub Divisional Officer
Public Health Engg: Sub Division Kasur
Construction of Sewerage, Water Supply, Drainage and Filtration Plants etc at Mandi Usman Wala
Phase-II Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)
Reference of the request letter # 151

Dated: 12-06-2025
Dated: 24-04-2025

Tension Test Report (Page-10/31)

Date of Test 13-06-2025
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	0.387	3	0.381	0.110	0.114	32.20	47.50	65781	63570	97038	93776	1.4	17.5	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test

Test Performed and Verified by:

To,
 Sub Divisional Officer
 Public Health Engg: Sub Division Kasur
 Construction of Sewerage/Water Supply & Drainage Scheme at MC Mustafabad (P)
 Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)
 Reference of the request letter # 55

Dated: 12-06-2025
 Dated: 17-02-2025

Tension Test Report (Page-11/31)

Date of Test 13-06-2025
 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	0.380	3	0.377	0.110	0.112	31.00	46.50	63330	62336	94995	93504	1.4	17.5	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test

Test Performed and Verified by:

To,

Sub Divisional Officer
Public Health Engg: Sub Division Kasur
Construction of Sewerage/Water Supply & Drainage Scheme at Mouza Haveli Padhana Wali &
Adjoining Abadies Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)
Reference of the request letter # 95

Dated: 12-06-2025
Dated: 10-03-2025

Tension Test Report (Page-12/31)

Date of Test 13-06-2025
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	0.388	3	0.381	0.110	0.114	32.50	47.70	66394	64006	97446	93941	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,

Sub Divisional Officer

Public Health Engg: Sub Division Kasur

Construction of Sewerage/Water Supply & Drainage Scheme at Mouza Jabbomail Adjoining Abadies

Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)

Dated: 12-06-2025

Reference of the request letter # 70

Dated: 26-02-2025

Tension Test Report (Page-13/31)

Date of Test 13-06-2025

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	30.00	45.70	61287	61457	93361	93619	1.4	17.5	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test

Test Performed and Verified by:

To,

Sub Divisional Officer
Public Health Engg: Sub Division Kasur
Construction of Sewerage/Water Supply & Drainage Scheme at Mustaabad (N)
Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)
Reference of the request letter # 54

Dated: 12-06-2025
Dated: 17-02-2025

Tension Test Report (Page-14/31)

Date of Test 13-06-2025
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	0.379	3	0.377	0.110	0.111	31.20	47.00	63739	62949	96016	94826	1.3	16.3	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test														

Test Performed and Verified by:

To,

Sub Divisional Officer

Public Health Engg: Sub Division Kasur

Construction of Sewerage/Water Supply & Drainage Scheme at Dao Kay Kalan, Dao Kay Khaniana, Qil Daokay & Basti Fateh Muhammad & Adjoining Abadies Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)

Dated: 12-06-2025

Reference of the request letter # 30

Dated: 30-01-2025

Tension Test Report (Page-15/31)

Date of Test 13-06-2025

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	0.388	3	0.381	0.110	0.114	32.70	47.20	66803	64478	96425	93070	1.5	18.8	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test

Test Performed and Verified by:

To,

Sub Divisional Officer
Public Health Engg: Sub Division Kasur
Construction of Sewerage/Water Supply & Drainage Scheme at U.C Charewan
Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)
Reference of the request letter # 50

Dated: 12-06-2025
Dated: 15-02-2025

Tension Test Report (Page-16/31)

Date of Test 13-06-2025
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	0.371	3	0.372	0.110	0.109	31.00	46.20	63330	63974	94382	95342	1.0	12.5	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test														

Test Performed and Verified by:

To,
 Sub Divisional Officer
 Public Health Engg: Sub Division Kasur
 Construction of Sewerage/Water Supply & Drainage Scheme at Mandi Usman Wala & Adjoining Abadi
 Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)
 Reference of the request letter # 66

Dated: 12-06-2025
 Dated: 25-02-2025

Tension Test Report (Page-17/31)

Date of Test 13-06-2025
 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	0.381	3	0.378	0.110	0.112	31.20	47.00	63739	62603	96016	94306	1.3	16.3	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test														

Test Performed and Verified by:

es

To,

Sub Divisional Officer
Public Health Engg: Sub Division Kasur
Construction of Sewerage/Water Supply & Drainage Scheme at MC Kasur (Phase-II/N)
Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)
Reference of the request letter # Nil

Dated: 12-06-2025
Dated: -

Tension Test Report (Page-18/31)

Date of Test 13-06-2025
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	0.375	3	0.375	0.110	0.11	29.70	45.70	60674	60539	93361	93152	1.5	18.8	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test

Test Performed and Verified by:

To,

Sub Divisional Officer
Public Health Engg: Sub Division Kasur
Construction of Sewerage/Water Supply & Drainage Scheme at Ali Garh, Salamat Pura, Islampura,
Sheraywala Khou, Latif Pura, Basti Vanaikan Jatuwanwala Qabrastan Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)
Reference of the request letter # 25

Dated: 12-06-2025
Dated: 24-01-2025

Tension Test Report (Page-19/31)

Date of Test 13-06-2025
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	0.377	3	0.375	0.110	0.111	29.50	45.20	60266	59873	92339	91738	1.3	16.3	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test

Test Performed and Verified by:

To,
 Sub Divisional Officer
 Public Health Engg: Sub Division Kasur
 Construction of Sewerage/Water Supply & Drainage Scheme at MC Kasur (Phase-I/N)
 Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)
 Reference of the request letter # 26

Dated: 12-06-2025
 Dated: 25-01-2025

Tension Test Report (Page-20/31)

Date of Test 13-06-2025
 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	0.379	3	0.376	0.110	0.111	30.50	46.20	62308	61592	94382	93297	1.4	17.5	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test														

Test Performed and Verified by:

To,

Sub Divisional Officer
Public Health Engg: Sub Division Kasur
Construction of Sewerage, Water Supply, Drainage and Filtration Plants etc at UC Beroon Khudian
Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)
Reference of the request letter # 156

Dated: 12-06-2025
Dated: 26-04-2025

Tension Test Report (Page-21/31)

Date of Test 13-06-2025
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	30.00	46.20	61287	60095	94382	92546	1.4	17.5	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test

Test Performed and Verified by:

To,

Sub Divisional Officer
Public Health Engg: Sub Division Kasur
Construction of Sewerage & Drainage/Water Supply Khai & Adjoining Abadies
Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)
Reference of the request letter # 149

Dated: 12-06-2025
Dated: 23-04-2025

Tension Test Report (Page-22/31)

Date of Test 13-06-2025
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	0.375	3	0.375	0.110	0.11	30.50	46.50	62308	62153	94995	94757	1.4	17.5	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test

Test Performed and Verified by:

To,

Sub Divisional Officer
Public Health Engg: Sub Division Kasur
Construction of Sewerage, Water Supply & Drainage and Filtration Plants etc at UC Khai
Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)
Reference of the request letter # 148

Dated: 12-06-2025
Dated: 23-04-2025

Tension Test Report (Page-23/31)

Date of Test 13-06-2025
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	0.371	3	0.373	0.110	0.109	31.00	46.70	63330	63868	95403	96214	1.5	18.8	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test														

Test Performed and Verified by:

To,
 Sub Divisional Officer
 Public Health Engg: Sub Division Kasur
 Construction of Sewerage, Water Supply, Drainage and Filtration Plants etc at UC Khai Phase-II
 Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)
 Reference of the request letter # 24

Dated: 12-06-2025
 Dated: 23-01-2025

Tension Test Report (Page-24/31)

Date of Test 13-06-2025
 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	0.375	3	0.374	0.110	0.11	30.50	46.70	62308	62273	95403	95349	1.4	17.5	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test														

Test Performed and Verified by:

To,

Sub Divisional Officer

Public Health Engg: Sub Division Kasur

Construction of Sullage Carrier, Sewerage and Drainage System at Sad Pur Phase-II and Adjoining Abad
Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)

Dated: 12-06-2025

Reference of the request letter # 157

Dated: 26-04-2025

Tension Test Report (Page-25/31)

Date of Test 13-06-2025

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	30.50	45.20	62308	62460	92339	92564	1.3	16.3	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test

Test Performed and Verified by:

lies

To,

Sub Divisional Officer
Public Health Engg: Sub Division Kasur
Construction of Sullage Carrier, Sewerage and Drainage System at Said Pur and Adjoining Abadies
Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)
Reference of the request letter # 159

Dated: 12-06-2025
Dated: 26-04-2025

Tension Test Report (Page-26/31)

Date of Test 13-06-2025
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	0.380	3	0.377	0.110	0.112	30.00	45.70	61287	60419	93361	92038	1.6	20.0	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test

Test Performed and Verified by:

To,

Sub Divisional Officer

Public Health Engg: Sub Division Kasur

Construction of Sewerage, Water Supply, Drainage System at Filtration Plants etc at Town Committee

Khudian Phase-III Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)

Dated: 12-06-2025

Reference of the request letter # 122

Dated: 04-04-2025

Tension Test Report (Page-27/31)

Date of Test 13-06-2025

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	0.382	3	0.378	0.110	0.112	30.00	46.50	61287	60022	94995	93034	1.4	17.5	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test

Test Performed and Verified by:

To,

Sub Divisional Officer

Public Health Engg: Sub Division Kasur

Construction of Sullage Carrier, Sewerage and Drainage System at Aathil Pur Phathik to Jabomail and
Adjoining Abadies Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)

Dated: 12-06-2025

Reference of the request letter # 120

Dated: 04-04-2025

Tension Test Report (Page-28/31)

Date of Test 13-06-2025

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	0.376	3	0.375	0.110	0.11	30.70	46.20	62717	62435	94382	93957	1.5	18.8	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test

Test Performed and Verified by:

To,

Sub Divisional Officer

Public Health Engg: Sub Division Kasur

Construction of Sullage Carrier, Sewerage and Drainage System at Jabomail to Ruhi Nallah and
Adjoining Abadies Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)

Dated: 12-06-2025

Reference of the request letter # 121

Dated: 04-04-2025

Tension Test Report (Page-29/31)

Date of Test 13-06-2025

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	0.378	3	0.376	0.110	0.111	31.20	46.50	63739	63124	94995	94079	1.5	18.8	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test

Test Performed and Verified by:

To,

Sub Divisional Officer

Public Health Engg: Sub Division Kasur

Construction of Sewerage, Water Supply, Drainage and Filtration Plants etc at UC Pail Kalan

Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)

Dated: 12-06-2025

Reference of the request letter # 125

Dated: 05-04-2025

Tension Test Report (Page-30/31)

Date of Test 13-06-2025

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	0.375	3	0.375	0.110	0.11	31.00	46.00	63330	63183	93973	93756	1.4	17.5	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test

Test Performed and Verified by:

To,

Sub Divisional Officer

Public Health Engg: Sub Division Kasur

Construction of Sewerage, Water Supply, Drainage and Filtration Plants etc at Ganja Singh, Rangey Wala, Budh Singh Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)

Dated: 12-06-2025

Reference of the request letter # 124

Dated: 05-04-2025

Tension Test Report (Page-31/31)

Date of Test 13-06-2025

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	0.377	3	0.375	0.110	0.111	31.20	47.00	63739	63346	96016	95425	1.4	17.5	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test

Test Performed and Verified by:

To,
 Sub Divisional Officer
 Public Health Engg: Sub Division Kasur-II
 Construction of Sewerage / Water Supply & Drainage Scheme at Hari Haar & Adjoining Abadies
 Tehsil & District Kasur

Reference # CED/TFL 7077 (Dr. Rizwan Riaz)
 Reference of the request letter # 75

Dated: 12-06-2025
 Dated: 03-03-2025

Tension Test Report (Page-1/2)

Date of Test 13-06-2025
 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	0.377	3	0.376	0.110	0.111	30.00	45.50	61287	60831	92952	92260	1.3	16.3	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test														

Test Performed and Verified by:

To,

Sub Divisional Officer
Public Health Engg: Sub Division Kasur-II
Construction of Sewerage / Water Supply & Drainage Scheme at Lakhu Bariyar and Sahari Ottar &
Adjoining Abadies Tehsil & District Kasur

Reference # CED/TFL 7077 (Dr. Rizwan Riaz)
Reference of the request letter # 76

Dated: 12-06-2025
Dated: 03-03-2025

Tension Test Report (Page-2/2)

Date of Test 13-06-2025
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	0.376	3	0.375	0.110	0.111	31.20	46.00	63739	63421	93973	93506	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,

Mr. Saad Bin Fareed (Project In-charge)
Opal Advertising and Interior
Construction Works of the Allied Bank Limited (ABL) Project in Sheikhpura

Reference # CED/TFL 7078 (Dr. Rizwan Riaz)
Reference of the request letter # ABL/SHK/ST-001

Dated: 12-06-2025
Dated: 12-06-2025

Tension Test Report (Page-1/1)

Date of Test 13-06-2025
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	0.417	3	0.395	0.110	0.123	33.50	45.70	68437	61389	93361	83746	1.6	20.0	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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,

Sub Divisional Officer
Bhalwal Canal Sub Division at Sargodha
Concrete Lining of Rattokala Disty From RD 40+000 to 71+500 and RD 79+500 to 82+066 Tail
Construction of Outlets of Rattokala Disty

Reference # CED/TFL 7079 (Dr. Rizwan Riaz)
Reference of the request letter # 1061

Dated: 12-06-2025
Dated: 04-06-2025

Tension Test Report (Page-1/1)

Date of Test 13-06-2025
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	0.350	3	0.362	0.110	0.103	27.70	42.00	56588	60500	85802	91732	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,
 Senior Engineer,
 PATRIP Project SRSP,
 Construction of Patai and Ursoon Bridges in UC Ashrait Citral (PAK-SRSP-CHI-019)
 Creative Engineering Consultants (PMCSC)

Reference # CED/TFL **7071** (Dr. M. Rizwan Riaz)
 Reference of the request letter # Nil

Dated: 04-06-2025
 Dated: 02-06-2025

Tension Test Report (Page – 1/1)
 Date of Test 13-06-2025
 Description Steel Wire Rope Tensile Test

Sr. No.	Nominal Diameter	Measured weight	Breaking Load	Remarks / Coil No.
	(mm)	(kg/m)	(kg)	
1	12	0.64	10300	-
2	25	2.57	35400	-
3	32	4.42	65200	-
-	-	-	-	-
-	-	-	-	-
Only three samples for Test				

Test Performed and Verified by:

To,
Field Officer Site
AI Abdullah Constructors (Pvt.) Ltd.

Reference # CED/TFL **7073** (Dr. Rizwan Riaz)
Reference of the request letter # AAC/MT-003/2025

Dated: 11-06-2025
Dated: 11-06-2025

Tension Test Report (Page -1/2)

Date of Test 13-06-2025
Gauge length 600 mm
Description Steel Strand Tensile Test as per ASTM A-416-94a

Sr. No.	Nominal Diameter	Nominal Weight	Measured weight	Yield strength clause (6.3)		Breaking strength clause (6.2)		% Elongation	Remarks / Coil No.
	(mm)	(kg/1000m)	(kg/1000m)	(kg)	(kN)	(kg)	(kN)		
1	9.53 (3/8")	432.0	446.0	10100	99.08	11000	107.91	>3.50	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
Only one sample for test									

Note:

1. Modulus of Elasticity is based on nominal steel area of the steel strand vide clause 13.3 of ASTM – A416a
2. Load versus percentage strain graphs are attached

Test Performed and Verified by:

To,
Field Officer Site
AI Abdullah Constructors (Pvt.) Ltd.

Reference # CED/TFL **7073** (Dr. Rizwan Riaz)
Reference of the request letter # AAC/MT-003/2025

Dated: 11-06-2025
Dated: 11-06-2025

Tension Test Report (Page -2/2)
Date of Test 13-06-2025
Gauge length 8 inches
Description MS Wire Tensile Test

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 (mm)	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.103	5	0.196	-	0.030	800	1080	-	58270	-	78700	0.40	5.0	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: only one sample for tensile test														
Bend Test														

Test Performed and Verified by:

To,

Mr. Muhammad Saleem (Material Engineer Nespak)

Nespak (Pvt.) Ltd.

Annual Development Program-Wasa (ADP-2024-25) Rainwater Management -Drainage Arrangement for Sore Point "at Tajpura (Amina & Babri), Lahore (Islamabad Premium Steel)

Reference # CED/TFL 7074 (Dr. Rizwan Riaz)

Dated: 12-06-2025

Reference of the request letter # Nespak/WASA/ADP/UGWT/TP/ME/09

Dated: 24-05-2025

Tension Test Report (Page-1/1)

Date of Test 13-06-2025

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	0.363	3	0.368	0.110	0.107	31.50	47.70	64351	66398	97446	100545	1.3	16.3	-
2	0.359	3	0.366	0.110	0.105	31.00	46.20	63330	66074	94382	98472	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. Asim Chiragh (Resident Engineer)

Nespak (Pvt.) Ltd.

Restoration/Improvement of Lahore Sargodha Road (khanqah Dogran to District Boundary)

Length=9.5 KM (Section KM 0.00 to 1.33 KM) in Tehsil Safdarabad District Sheikhpura (Supreme Ste

Reference # CED/TFL **7075** (Dr. Rizwan Riaz)

Dated: 12-06-2025

Reference of the request letter # 4834/103/RRP-24/AC/93

Dated: 14-05-2025

Tension Test Report

(Page-1/2)

Date of Test 13-06-2025

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	0.400	3	0.387	0.110	0.117	32.50	52.20	66394	62214	106639	99925	1.1	13.8	-
2	0.382	3	0.378	0.110	0.112	25.50	37.00	52094	51004	75587	74006	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:

e)

To,

Mr. Asim Chiragh (Resident Engineer)

Nespak (Pvt.) Ltd.

Restoration/Improvement of Lahore Sargodha Road (khanqah Dogran to District Boundary) Length=9.5
(Section KM 0.00 to 1.33 KM) in Tehsil Safdarabad District Sheikhpura (Supreme Steel)

Reference # CED/TFL 7075 (Dr. Rizwan Riaz)

Dated: 12-06-2025

Reference of the request letter # 4834/103/RRP-24/AC/93

Dated: 14-05-2025

Tension Test Report (Page-2/2)

Date of Test 13-06-2025

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	4.329	10	1.273	1.270	1.272	51000	53000	88507	88370	91978	91835	0.7	8.8	Dowel
2	4.329	10	1.273	1.270	1.272	51000	52400	88507	88357	90937	90782	0.7	8.8	Dowel
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 2 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:

KM

To,

Sub Divisional Officer
Public Health Engg: Sub Division Kasur
Construction of Sewerage, Water Supply, Drainage and Filtration Plants ETC at UC Mirali Hithar
Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)
Reference of the request letter # 153

Dated: 12-06-2025
Dated: 25-04-2025

Tension Test Report (Page-1/31)

Date of Test 13-06-2025
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	0.380	3	0.377	0.110	0.112	31.00	46.50	63330	62441	94995	93661	1.4	17.5	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test

Test Performed and Verified by:

To,

Sub Divisional Officer

Public Health Engg: Sub Division Kasur

Construction of Sullage Carrier, Sewerage and Drainage System at Kacha Pacca, Sher Kot and
Adjoining Abadies Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)

Dated: 12-06-2025

Reference of the request letter # 158

Dated: 26-04-2025

Tension Test Report (Page-2/31)

Date of Test 13-06-2025

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	0.379	3	0.377	0.110	0.112	31.20	46.50	63739	62876	94995	93710	1.3	16.3	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test

Test Performed and Verified by:

To,

Sub Divisional Officer
Public Health Engg: Sub Division Kasur
Construction of Sewerage, Water Supply Drainage and Filtration Plants etc at UC DAO Key
Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)
Reference of the request letter # 127

Dated: 12-06-2025
Dated: 08-04-2025

Tension Test Report (Page-3/31)

Date of Test 13-06-2025
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	0.384	3	0.379	0.110	0.113	30.20	47.00	61696	60118	96016	93562	1.5	18.8	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test														

Test Performed and Verified by:

To,

Sub Divisional Officer
Public Health Engg: Sub Division Kasur
Construction of Sewerage, Water Supply Drainage and Filtration Plants etc at UC DAO Key
Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)
Reference of the request letter # 127

Dated: 12-06-2025
Dated: 08-04-2025

Tension Test Report (Page-3/31)

Date of Test 13-06-2025
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	0.384	3	0.379	0.110	0.113	30.20	47.00	61696	60118	96016	93562	1.5	18.8	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test														

Test Performed and Verified by:

To,
 Sub Divisional Officer
 Public Health Engg: Sub Division Kasur
 Construction of Sewerage, Water Supply, Drainage and Filtration Plants etc at Town Committee
 Khudian Phase-II Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)
 Reference of the request letter # 123

Dated: 12-06-2025
 Dated: 04-04-2025

Tension Test Report (Page-4/31)

Date of Test 13-06-2025
 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	0.371	3	0.373	0.110	0.109	30.70	46.00	62717	63255	93973	94779	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,

Sub Divisional Officer
Public Health Engg: Sub Division Kasur
Construction of Sewerage, Water Supply, Drainage and Filtration Plants etc at UC Rajo Wal
Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)
Reference of the request letter # 128

Dated: 12-06-2025
Dated: 08-04-2025

Tension Test Report (Page-6/31)

Date of Test 13-06-2025
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	0.374	3	0.374	0.110	0.11	30.70	45.70	62717	62829	93361	93527	1.4	17.5	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test

Test Performed and Verified by:

To,

Sub Divisional Officer
Public Health Engg: Sub Division Kasur
Construction of Sewerage, Water Supply, Drainage and Filtration Plants etc at UC Sanda
Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)
Reference of the request letter # 152

Dated: 12-06-2025
Dated: 25-04-2025

Tension Test Report (Page-7/31)

Date of Test 13-06-2025
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	0.380	3	0.377	0.110	0.112	31.00	46.00	63330	62409	93973	92607	1.3	16.3	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test

Test Performed and Verified by:

To,
 Sub Divisional Officer
 Public Health Engg: Sub Division Kasur
 Construction of Sewerage, Water Supply, Drainage and Filtration Plants etc at Judicial Complex
 District Courts and District Bar Kasur.

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)
 Reference of the request letter # 155

Dated: 12-06-2025
 Dated: 26-04-2025

Tension Test Report (Page-8/31)

Date of Test 13-06-2025
 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	0.376	3	0.375	0.110	0.111	31.00	46.70	63330	62985	95403	94884	1.4	17.5	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test														

Test Performed and Verified by:

To,

Sub Divisional Officer
Public Health Engg: Sub Division Kasur
Construction of Sewerage, Water Supply, Drainage and Filtration Plants etc at Mandi Usman Wala
Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)
Reference of the request letter # 150

Dated: 12-06-2025
Dated: 24-04-2025

Tension Test Report (Page-9/31)

Date of Test 13-06-2025
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	0.374	3	0.374	0.110	0.11	30.00	46.20	61287	61355	94382	94486	1.4	17.5	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test

Test Performed and Verified by:

To,

Sub Divisional Officer
Public Health Engg: Sub Division Kasur
Construction of Sewerage, Water Supply, Drainage and Filtration Plants etc at Mandi Usman Wala
Phase-II Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)
Reference of the request letter # 151

Dated: 12-06-2025
Dated: 24-04-2025

Tension Test Report (Page-10/31)

Date of Test 13-06-2025
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	0.387	3	0.381	0.110	0.114	32.20	47.50	65781	63570	97038	93776	1.4	17.5	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test

Test Performed and Verified by:

To,
 Sub Divisional Officer
 Public Health Engg: Sub Division Kasur
 Construction of Sewerage/Water Supply & Drainage Scheme at MC Mustafabad (P)
 Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)
 Reference of the request letter # 55

Dated: 12-06-2025
 Dated: 17-02-2025

Tension Test Report (Page-11/31)

Date of Test 13-06-2025
 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	0.380	3	0.377	0.110	0.112	31.00	46.50	63330	62336	94995	93504	1.4	17.5	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test

Test Performed and Verified by:

To,

Sub Divisional Officer
Public Health Engg: Sub Division Kasur
Construction of Sewerage/Water Supply & Drainage Scheme at Mouza Haveli Padhana Wali &
Adjoining Abadies Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)
Reference of the request letter # 95

Dated: 12-06-2025
Dated: 10-03-2025

Tension Test Report (Page-12/31)

Date of Test 13-06-2025
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	0.388	3	0.381	0.110	0.114	32.50	47.70	66394	64006	97446	93941	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,

Sub Divisional Officer

Public Health Engg: Sub Division Kasur

Construction of Sewerage/Water Supply & Drainage Scheme at Mouza Jabbomail Adjoining Abadies

Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)

Dated: 12-06-2025

Reference of the request letter # 70

Dated: 26-02-2025

Tension Test Report (Page-13/31)

Date of Test 13-06-2025

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	30.00	45.70	61287	61457	93361	93619	1.4	17.5	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test

Test Performed and Verified by:

To,

Sub Divisional Officer
Public Health Engg: Sub Division Kasur
Construction of Sewerage/Water Supply & Drainage Scheme at Mustaabad (N)
Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)
Reference of the request letter # 54

Dated: 12-06-2025
Dated: 17-02-2025

Tension Test Report (Page-14/31)

Date of Test 13-06-2025
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	0.379	3	0.377	0.110	0.111	31.20	47.00	63739	62949	96016	94826	1.3	16.3	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test														

Test Performed and Verified by:

To,

Sub Divisional Officer

Public Health Engg: Sub Division Kasur

Construction of Sewerage/Water Supply & Drainage Scheme at Dao Kay Kalan, Dao Kay Khaniana, Qil Daokay & Basti Fateh Muhammad & Adjoining Abadies Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)

Dated: 12-06-2025

Reference of the request letter # 30

Dated: 30-01-2025

Tension Test Report (Page-15/31)

Date of Test 13-06-2025

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	0.388	3	0.381	0.110	0.114	32.70	47.20	66803	64478	96425	93070	1.5	18.8	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test

Test Performed and Verified by:

To,

Sub Divisional Officer
Public Health Engg: Sub Division Kasur
Construction of Sewerage/Water Supply & Drainage Scheme at U.C Charewan
Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)
Reference of the request letter # 50

Dated: 12-06-2025
Dated: 15-02-2025

Tension Test Report (Page-16/31)

Date of Test 13-06-2025
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	0.371	3	0.372	0.110	0.109	31.00	46.20	63330	63974	94382	95342	1.0	12.5	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test														

Test Performed and Verified by:

To,

Sub Divisional Officer

Public Health Engg: Sub Division Kasur

Construction of Sewerage/Water Supply & Drainage Scheme at Mandi Usman Wala & Adjoining Abadi

Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)

Dated: 12-06-2025

Reference of the request letter # 66

Dated: 25-02-2025

Tension Test Report (Page-17/31)

Date of Test 13-06-2025

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	0.381	3	0.378	0.110	0.112	31.20	47.00	63739	62603	96016	94306	1.3	16.3	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test

Test Performed and Verified by:

es

To,

Sub Divisional Officer
Public Health Engg: Sub Division Kasur
Construction of Sewerage/Water Supply & Drainage Scheme at MC Kasur (Phase-II/N)
Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)
Reference of the request letter # Nil

Dated: 12-06-2025
Dated: -

Tension Test Report (Page-18/31)

Date of Test 13-06-2025
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	0.375	3	0.375	0.110	0.11	29.70	45.70	60674	60539	93361	93152	1.5	18.8	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test														

Test Performed and Verified by:

To,

Sub Divisional Officer
Public Health Engg: Sub Division Kasur
Construction of Sewerage/Water Supply & Drainage Scheme at Ali Garh, Salamat Pura, Islampura,
Sheraywala Khou, Latif Pura, Basti Vanaikan Jatuwanwala Qabrastan Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)
Reference of the request letter # 25

Dated: 12-06-2025
Dated: 24-01-2025

Tension Test Report (Page-19/31)

Date of Test 13-06-2025
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	0.377	3	0.375	0.110	0.111	29.50	45.20	60266	59873	92339	91738	1.3	16.3	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test														

Test Performed and Verified by:

To,
 Sub Divisional Officer
 Public Health Engg: Sub Division Kasur
 Construction of Sewerage/Water Supply & Drainage Scheme at MC Kasur (Phase-I/N)
 Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)
 Reference of the request letter # 26

Dated: 12-06-2025
 Dated: 25-01-2025

Tension Test Report (Page-20/31)

Date of Test 13-06-2025
 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	0.379	3	0.376	0.110	0.111	30.50	46.20	62308	61592	94382	93297	1.4	17.5	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test														

Test Performed and Verified by:

To,

Sub Divisional Officer
Public Health Engg: Sub Division Kasur
Construction of Sewerage, Water Supply, Drainage and Filtration Plants etc at UC Beroon Khudian
Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)
Reference of the request letter # 156

Dated: 12-06-2025
Dated: 26-04-2025

Tension Test Report (Page-21/31)

Date of Test 13-06-2025
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	30.00	46.20	61287	60095	94382	92546	1.4	17.5	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test

Test Performed and Verified by:

To,

Sub Divisional Officer
Public Health Engg: Sub Division Kasur
Construction of Sewerage & Drainage/Water Supply Khai & Adjoining Abadies
Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)
Reference of the request letter # 149

Dated: 12-06-2025
Dated: 23-04-2025

Tension Test Report (Page-22/31)

Date of Test 13-06-2025
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	0.375	3	0.375	0.110	0.11	30.50	46.50	62308	62153	94995	94757	1.4	17.5	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test														

Test Performed and Verified by:

To,

Sub Divisional Officer
Public Health Engg: Sub Division Kasur
Construction of Sewerage, Water Supply & Drainage and Filtration Plants etc at UC Khai
Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)
Reference of the request letter # 148

Dated: 12-06-2025
Dated: 23-04-2025

Tension Test Report (Page-23/31)

Date of Test 13-06-2025
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	0.371	3	0.373	0.110	0.109	31.00	46.70	63330	63868	95403	96214	1.5	18.8	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test

Test Performed and Verified by:

To,
 Sub Divisional Officer
 Public Health Engg: Sub Division Kasur
 Construction of Sewerage, Water Supply, Drainage and Filtration Plants etc at UC Khai Phase-II
 Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)
 Reference of the request letter # 24

Dated: 12-06-2025
 Dated: 23-01-2025

Tension Test Report (Page-24/31)

Date of Test 13-06-2025
 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	0.375	3	0.374	0.110	0.11	30.50	46.70	62308	62273	95403	95349	1.4	17.5	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test														

Test Performed and Verified by:

To,

Sub Divisional Officer

Public Health Engg: Sub Division Kasur

Construction of Sullage Carrier, Sewerage and Drainage System at Sad Pur Phase-II and Adjoining Abad
Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)

Dated: 12-06-2025

Reference of the request letter # 157

Dated: 26-04-2025

Tension Test Report (Page-25/31)

Date of Test 13-06-2025

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	30.50	45.20	62308	62460	92339	92564	1.3	16.3	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test

Test Performed and Verified by:

lies

To,

Sub Divisional Officer
Public Health Engg: Sub Division Kasur
Construction of Sullage Carrier, Sewerage and Drainage System at Said Pur and Adjoining Abadies
Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)
Reference of the request letter # 159

Dated: 12-06-2025
Dated: 26-04-2025

Tension Test Report (Page-26/31)

Date of Test 13-06-2025
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	0.380	3	0.377	0.110	0.112	30.00	45.70	61287	60419	93361	92038	1.6	20.0	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test

Test Performed and Verified by:

To,

Sub Divisional Officer

Public Health Engg: Sub Division Kasur

Construction of Sewerage, Water Supply, Drainage System at Filtration Plants etc at Town Committee

Khudian Phase-III Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)

Dated: 12-06-2025

Reference of the request letter # 122

Dated: 04-04-2025

Tension Test Report (Page-27/31)

Date of Test 13-06-2025

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	0.382	3	0.378	0.110	0.112	30.00	46.50	61287	60022	94995	93034	1.4	17.5	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test

Test Performed and Verified by:

To,

Sub Divisional Officer

Public Health Engg: Sub Division Kasur

Construction of Sullage Carrier, Sewerage and Drainage System at Aathil Pur Phathik to Jabomail and
Adjoining Abadies Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)

Dated: 12-06-2025

Reference of the request letter # 120

Dated: 04-04-2025

Tension Test Report (Page-28/31)

Date of Test 13-06-2025

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	0.376	3	0.375	0.110	0.11	30.70	46.20	62717	62435	94382	93957	1.5	18.8	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test

Test Performed and Verified by:

To,

Sub Divisional Officer

Public Health Engg: Sub Division Kasur

Construction of Sullage Carrier, Sewerage and Drainage System at Jabomail to Ruhi Nallah and
Adjoining Abadies Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)

Dated: 12-06-2025

Reference of the request letter # 121

Dated: 04-04-2025

Tension Test Report (Page-29/31)

Date of Test 13-06-2025

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	0.378	3	0.376	0.110	0.111	31.20	46.50	63739	63124	94995	94079	1.5	18.8	3"/8
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test

Test Performed and Verified by:

To,

Sub Divisional Officer

Public Health Engg: Sub Division Kasur

Construction of Sewerage, Water Supply, Drainage and Filtration Plants etc at UC Pial Kalan

Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)

Dated: 12-06-2025

Reference of the request letter # 125

Dated: 05-04-2025

Tension Test Report (Page-30/31)

Date of Test 13-06-2025

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	0.375	3	0.375	0.110	0.11	31.00	46.00	63330	63183	93973	93756	1.4	17.5	3"/8
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Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test

Test Performed and Verified by:

To,

Sub Divisional Officer

Public Health Engg: Sub Division Kasur

Construction of Sewerage, Water Supply, Drainage and Filtration Plants etc at Ganja Singh, Rangey Wala, Budh Singh Tehsil & District Kasur

Reference # CED/TFL 7076 (Dr. Rizwan Riaz)

Dated: 12-06-2025

Reference of the request letter # 124

Dated: 05-04-2025

Tension Test Report (Page-31/31)

Date of Test 13-06-2025

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	0.377	3	0.375	0.110	0.111	31.20	47.00	63739	63346	96016	95425	1.4	17.5	3"/8
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Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test

Test Performed and Verified by:

To,

Sub Divisional Officer
Public Health Engg: Sub Division Kasur-II
Construction of Sewerage / Water Supply & Drainage Scheme at Hari Haar & Adjoining Abadies
Tehsil & District Kasur

Reference # CED/TFL 7077 (Dr. Rizwan Riaz)
Reference of the request letter # 75

Dated: 12-06-2025
Dated: 03-03-2025

Tension Test Report (Page-1/2)

Date of Test 13-06-2025
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	0.377	3	0.376	0.110	0.111	30.00	45.50	61287	60831	92952	92260	1.3	16.3	3"/8
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Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test														

Test Performed and Verified by:

To,

Sub Divisional Officer
Public Health Engg: Sub Division Kasur-II
Construction of Sewerage / Water Supply & Drainage Scheme at Lakhu Bariyar and Sahari Ottar &
Adjoining Abadies Tehsil & District Kasur

Reference # CED/TFL 7077 (Dr. Rizwan Riaz)
Reference of the request letter # 76

Dated: 12-06-2025
Dated: 03-03-2025

Tension Test Report (Page-2/2)

Date of Test 13-06-2025
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	0.376	3	0.375	0.110	0.111	31.20	46.00	63739	63421	93973	93506	1.2	15.0	3"/8
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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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. Saad Bin Fareed (Project In-charge)
Opal Advertising and Interior
Construction Works of the Allied Bank Limited (ABL) Project in Sheikhpura

Reference # CED/TFL 7078 (Dr. Rizwan Riaz)
Reference of the request letter # ABL/SHK/ST-001

Dated: 12-06-2025
Dated: 12-06-2025

Tension Test Report (Page-1/1)

Date of Test 13-06-2025
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	0.417	3	0.395	0.110	0.123	33.50	45.70	68437	61389	93361	83746	1.6	20.0	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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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,

Sub Divisional Officer
Bhalwal Canal Sub Division at Sargodha
Concrete Lining of Rattokala Disty From RD 40+000 to 71+500 and RD 79+500 to 82+066 Tail
Construction of Outlets of Rattokala Disty

Reference # CED/TFL 7079 (Dr. Rizwan Riaz)
Reference of the request letter # 1061

Dated: 12-06-2025
Dated: 04-06-2025

Tension Test Report (Page-1/1)

Date of Test 13-06-2025
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	0.350	3	0.362	0.110	0.103	27.70	42.00	56588	60500	85802	91732	1.2	15.0	3"/8
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Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test

Test Performed and Verified by: