

To,
 Project Manager
 Mian Builders & Contractors
 Plot No. 103 Fortress Square Mall Cantt. Lahore

Reference # CED/TFL

6918 (Dr. Ali Ahmad)

Reference of the request letter # Nil

Dated: 06-05-2025
 Dated: 06-05-2025

Tension Test Report

(Page-1/1)

Date of Test 08-05-2025
 Gauge Length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Actual Weight Per Unit Length (lb/ft)	Nominal Size (#)	Actual Diameter (inch)	Area (in ²)		Yield Load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
				Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.377	3	0.376	0.110	0.111	3600	5000	72131	71579	100182	99415	1.2	15.0	FF Steel
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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,

Engr. Shahzad Khurram (Chief Resident Engineer)

Osmani & Company (Pvt.) Ltd.

Balance/Repair Works of Boundary Wall at Different Locations along Periphery of M-3 Industrial City Near Sahianwala Interchange M-4 Motorway Faisalabad (Contract No. FIC-057) (Mughal Steel)

Reference # CED/TFL

6919 (Dr. Ali Ahmad)

Dated: 06-05-2025

Reference of the request letter #

CRE/FIC-057Lab/1046

Dated: 05-05-2025

Tension Test Report

(Page-1/1)

Date of Test 08-05-2025

Gauge Length 8 inches

Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Actual Weight Per Unit Length (lb/ft)	Nominal Size (#)	Actual Diameter (inch)	Area (in ²)		Yield Load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
				Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.364	3	0.369	0.110	0.107	3900	5000	78142	80278	100182	102920	1.1	13.8	-
2	0.367	3	0.370	0.110	0.108	3900	5000	78142	79732	100182	102220	1.1	13.8	-
3	0.363	3	0.369	0.110	0.107	3900	4900	78142	80530	98178	101179	1	12.5	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 3 Samples for Tensile and 1 Samples for Bend test														

Bend Test	
# 3 Bar Bend Test Through 180 Degree is Satisfactory	

Test Performed and Verified by:

To,

R.E NESPAK JOB # 4834

NESPAK (Pvt.) Ltd.

Rehabilitation of Road From Iqbal Nagar (N-5) to Burewala Upto Adda Kamand Length = 29.35KM
in District Sahiwal (Mehbood Super No.1)

Reference # CED/TFL

6920 (Dr. Ali Ahmad)

Dated: 06-05-2025

Reference of the request letter #

4834/Sahiwal/RE/29

Dated: 18-04-2025

Tension Test Report

(Page-1/1)

Date of Test

08-05-2025

Gauge Length

8 inches

Description

Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Actual Weight Per Unit Length (lb/ft)	Nominal Size (#)	Actual Diameter (inch)	Area (in ²)		Yield Load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
				Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.380	3	0.377	0.110	0.112	3500	5200	70127	69012	104189	102532	1	12.5	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

Bend Test

Test Performed and Verified by:

To,

Mr. Usman Ali (Senior Manager Projects) (PMU)
Punjab Wildlife and Parks Department (PMU)
Experience Development at Captive Facilities in Punjab Dancing Fountain and Filtration System at
Lake of General Area in Safari (Mughal Steel)

Reference # CED/TFL **6921** (Dr. Ali Ahmad)
Reference of the request letter # PD\PMU\W&P\05\216

Dated: 06-05-2025
Dated: 14-04-2025

Tension Test Report (Page-1/1)

Date of Test 08-05-2025
Gauge Length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Actual Weight Per Unit Length (lb/ft)	Nominal Size (#)	Actual Diameter (inch)	Area (in ²)		Yield Load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
				Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.385	3	0.380	0.110	0.113	3700	5000	74135	72004	100182	97303	1.4	17.5	-
2	0.381	3	0.378	0.110	0.112	3600	5200	72131	70802	104189	102269	1	12.5	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 2 Samples for Tensile and 1 Samples for Bend test														

Bend Test	
# 3 Bar Bend Test Through 180 Degree is Satisfactory	

Test Performed and Verified by:

To,

Anwar Ul Haq (Project Manager)

IKAN Engineering Services (Pvt.) Ltd.

Construction of Zong MSC Faisalabad (Ittehad Steel)

Witness by: Mr. Ramzan, Site Engineer (CNIC # 37406-2787904-1) and Mr. Naeem (Site Supervisor)

Reference # CED/TFL 6923 (Dr. Rizwan Riaz)

Dated: 08-05-2025

Reference of the request letter # IKAN-FSD-SITE-UET/004)

Dated: 08-05-2025

Tension Test Report (Page-1/1)

Date of Test 08-05-2025

Gauge Length 8 inches

Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Actual Weight Per Unit Length (lb/ft)	Nominal Size (#)	Actual Diameter (inch)	Area (in ²)		Yield Load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
				Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.367	3	0.371	0.110	0.108	3300	4900	66120	67369	98178	100032	1.1	13.8	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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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,

Anwar Ul Haq (Project Manager)
IKAN Engineering Services (Pvt.) Ltd.
Construction of Zong MSC Faisalabad (Ittehad Steel)
Mr. Ramzan, Site Engineer (CNIC # 37406-2787904-1) and Mr. Naeem (Site Supervisor)

Reference # CED/TFL 6923 (Dr. Rizwan Riaz)
Reference of the request letter # IKAN-FSD-SITE-UET/004)

Dated: 08-05-2025
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Tension Test Report (Page-1/1)

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				Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.367	3	0.371	0.110	0.108	3300	4900	66120	67369	98178	100032	1.1	13.8	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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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: