



**STRUCTURAL ENGINEERING DIVISION**  
**Test Floor Laboratory**  
**Department of Civil Engineering**  
**University of Engineering and Technology Lahore, 54890**  
**Pakistan. Ph: 92-42-99029202**

To,  
 Manager Monitoring & Coordination  
 Shajar Roads Limited  
 Dualization of Sheikhpura – Gujranwala Road

Reference # CED/TFL **36543** (Dr. M Rizwan Riaz)  
 Reference of the request letter # MMC/SHJR/SGRP/71

Dated: 10-06-2021  
 Dated: 09-06-2021

**Tension Test Report** (Page -1/1)

Date of Test 11-06-2021  
 Gauge length 8 inches  
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ size		Area (in <sup>2</sup> )		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal (#)	Actual (inch)	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.379	3	0.377	0.11	0.111	4100	4900	82200	81100	98200	97000	0.90	11.3	Amreli Steel
2	0.377	3	0.376	0.11	0.111	4300	4900	86200	85580	98200	97600	0.80	10.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only two samples for tensile and one sample for bend test</b>														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

**I/C Testing Laboratoires**  
**UET Lahore, Pakistan.**

Note:

- 1- You can See your reports On Internet in the following web site  
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- 2- The above results pertain to sample /samples supplied to this laboratory.
- 3- Sealed sample / Unsealed sample / Marked sample/Signed Samples



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To,  
M/S Sui Northern Gas Pipelines Limited  
Lahore  
(Construction of Domestic Meter Inspection Shop at Gujranwala)

Reference # CED/TFL **36544** (Dr. M Rizwan Riaz)  
Reference of the request letter # CC/DMIS/Gujranwala

Dated: 10-06-2021  
Dated: 10-06-2021

**Tension Test Report** (Page -1/1)

Date of Test 11-06-2021  
Gauge length 8 inches  
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (inch)		Area (in <sup>2</sup> )		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.375	3/8	0.375	0.11	0.110	3100	4600	62200	62030	92200	92100	1.10	13.8	
2	0.371	3/8	0.373	0.11	0.109	3100	4600	62200	62660	92200	93000	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only one sample for tensile and one sample for bend test</b>														
Bend Test														
3/8" Dia Bar Bend Test Through 180° is Satisfactory														

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To,  
 Resident Engineer  
 Asian Consulting Engineers (Pvt) Ltd  
 Grand City Kharian

Reference # CED/TFL **36545** (Dr. M Rizwan Riaz)  
 Reference of the request letter # AsCE/GCK/RE/34

Dated: 10-06-2021  
 Dated: 27-05-2021

**Tension Test Report** (Page -1/1)

Date of Test 11-06-2021  
 Gauge length 8 inches  
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ size		Area (in <sup>2</sup> )		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal (#)	Actual (inch)	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.374	3	0.374	0.11	0.110	3300	4900	66200	66100	98200	98200	1.00	12.5	FF Steel
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only one sample for tensile and one sample for bend test</b>														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

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**University of Engineering and Technology Lahore, 54890**  
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To,  
 Resident Engineer  
 NESPAK , Sahiwal  
 Punjab Intermediate Cities Improvement Investment Program (PICIP),  
 Consultancy Services for Engineering, Procurement and Construction Management  
 Trunk Main Sewer Lines and Allied Work (NCB-Works/ PICIP-03 (LOT-02)

Reference # CED/TFL **36550** (Dr. M Rizwan Riaz)  
 Reference of the request letter # 3976/11/MT/Lot-2/119

Dated: 11-06-2021  
 Dated: 03-06-2021

**Tension Test Report** (Page -1/1)

Date of Test 11-06-2021  
 Gauge length 8 inches  
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size		Area (in <sup>2</sup> )		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal (#)	Actual (inch)	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.373	3	0.374	0.11	0.110	3200	4900	64200	64260	98200	98400	1.20	15.0	Fazal Steel
2	0.367	3	0.371	0.11	0.108	3100	4900	62200	63370	98200	100200	1.25	15.6	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only two samples for tensile and one sample for bend test</b>														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

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