



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

To,  
 Assistant Director Engg-I  
 Gujranwala Development Authority  
 Gujranwala  
 (Rehabilitation / Construction of Road along Noor Pur Distributary from G.T. Road to Medical College Gondlanwala Road Gujranwala)  
 Reference # CED/TFL **35851** (Dr. M Rizwan Riaz) Dated: 31-12-2020  
 Reference of the request letter # GDA/ADE-I/07 Dated: 28-11-2020

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

Date of Test 01-01-2021  
 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	0.370	3/8	0.372	0.11	0.109	3300	5200	66200	66860	104200	105400	1.00	12.5	
2	0.369	3/8	0.372	0.11	0.108	3300	5200	66200	67060	104200	105700	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only two samples for tensile and one sample for bend test</b>														
<b>Bend Test</b>														
3/8" Dia 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  
[http://www.uet.edu.pk/faculties/facultiesinfo/civil/index.html?RID=testing\\_reports](http://www.uet.edu.pk/faculties/facultiesinfo/civil/index.html?RID=testing_reports)
- 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 Haris & Company  
Lahore  
(Hi- Tech Blending Expansion of Base Oil Storage Tnks (T- 11 & T- 12))

Reference # CED/TFL **35852** (Dr. M Rizwan Riaz)  
Reference of the request letter # Nil

Dated: 31-12-2020  
Dated: 31-12-2020

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

Date of Test 01-01-2021  
Gauge length 8 inches  
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (mm)		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	0.374	10	9.51	0.12	0.110	3500	5100	64301	70130	93696	102200	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only one sample for tensile and one sample for bend test</b>														
Bend Test														
10mm Dia Bar Bend Test Through 180° is Satisfactory														

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

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To,  
 Executive Engineer  
 Punjab Safe Cities Authority  
 Lahore  
 (OFC Restoration Project in Lahore)

Reference # CED/TFL **35854** (Dr. M Rizwan Riaz)  
 Reference of the request letter # 13331/Works/PSCA/2020

Dated: 31-12-2020  
 Dated: 30-12-2020

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

Date of Test 01-01-2021  
 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	0.378	3	0.376	0.11	0.111	4200	5400	84200	83360	108200	107200	0.70	8.8	
2	0.377	3	0.376	0.11	0.111	4500	5200	90200	89530	104200	103500	0.40	5.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<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.**

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

To,  
 A. Senior Engineer  
 Engineer Cell  
 University of Education Lahore  
 Construction of Small Academic Block at UE D.G Khan Campus  
 (M/s Liaqat & Company)  
 Reference # CED/TFL **35855** (Dr. M Rizwan Riaz)  
 Reference of the request letter # UE/Engg/UE/20/810

Dated: 31-12-2020  
 Dated: 28-12-2020

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

Date of Test 01-01-2021  
 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	0.395	3	0.385	0.11	0.116	3400	5500	68200	64470	110200	104300	1.20	15.0	AF Steel
2	0.376	3	0.375	0.11	0.111	3300	5100	66200	65740	102200	101600	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<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.**

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

To,  
 PegAsus Contractors (Pvt) Ltd.  
 Lahore  
 (Project : Construction of tunnel at Jammu & Kashmir Monument at Muzaffarabad)

Reference # CED/TFL **35856** (Dr. Rizwan Raiz)  
 Reference of the request letter # Nil

Dated: 31-12-2020  
 Dated: 31-12-2020

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

Date of Test 01-01-2021  
 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	0.374	3/8	0.374	0.11	0.110	3600	5300	72200	72140	106200	106200	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<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														

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

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To,  
 60 Medium Regiment Artillery ( Hizb-ul-Hadeed)  
 Lahore

Reference # CED/TFL **35857** (Dr. Rizwan Raiz)  
 Reference of the request letter # 325/ /Q

Dated: 01-01-2021  
 Dated: 10-10-2020

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

Date of Test 01-01-2021  
 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	0.340	3/8	0.357	0.11	0.100	3000	4200	60200	66120	84200	92600	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<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,  
 Moiz Steel  
 Lahore.

Reference # CED/TFL **35859** (Dr. Rizwan Raiz)  
 Reference of the request letter # Nil

Dated: 01-01-2021  
 Dated: 01-01-2021

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

Date of Test 01-01-2021  
 Gauge length 8 inches  
 Description Deformed Steel Bar Tensile 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 (inch)	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	4.203	10	1.254	1.27	1.235	38200	54600	66300	68160	94800	97500	1.70	21.3	
2	5.301	11	1.409	1.56	1.558	49400	69600	69800	69880	98400	98500	1.20	15.0	
3	5.272	11	1.405	1.56	1.550	49800	67800	70400	70830	95800	96500	1.50	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only Three samples for tensile test</b>														
Bend Test														

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