



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

To,  
 Muddasir Ali  
 Lahore

Reference # CED/TFL **2059** (Dr. Rizwan Azam)  
 Reference of the request letter# Nil

Dated: 04-10-2022  
 Dated: 04-10-2022

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

Date of Test 05-10-2022  
 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	4.385	10	1.281	1.27	1.289	36400	54000	63200	62240	93800	92400	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only one sample for tensile and one sample for bend test</b>														
Bend Test														
#10 Bar Bend Test Through 180° is Satisfactory														

To,

**I/C Testing Laboratories**  
**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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Resident Engineer,  
 NESPAK

Construction of Road from Bahawalpur (N-5) Jhangra Sharqi Interchange (KLM) Length 42.00 km District Bahawalpur

Reference # CED/TFL **2063** (Dr. Rizwan Azam)

Dated: 04-10-2022

Reference of the request letter# RE/SA-467(B)/MSA/BWP-JS/65

Dated: 21-06-2022

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

Date of Test 05-10-2022

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	4.311	10	1.270	1.27	1.267	42000	55800	72900	73060	96900	97100	1.50	18.8	Pak Steel
2	4.305	10	1.269	1.27	1.265	39000	53400	67700	67940	92700	93100	1.90	23.8	
3	5.321	11	1.411	1.56	1.564	47400	64000	67000	66800	90500	90200	1.60	20.0	
4	5.319	11	1.411	1.56	1.564	50000	71200	70700	70490	100600	100400	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only four samples for tensile and two samples for bend test</b>														
Bend Test														
#10 Bar Bend Test Through 180° is Satisfactory														
#11 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,  
 Resident Engineer,  
 NESPAK  
 Construction of Flyover Rajjar Railway Crossing at Sarai Alamgir Distt Gujrat

Reference # CED/TFL **2066** (Dr. Rizwan Azam)  
 Reference of the request letter# 103/RAJJERF/ML/Lab/02

Dated: 04-10-2022  
 Dated: 03-10-2022

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

Date of Test 05-10-2022  
 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	4.308	10	1.270	1.27	1.266	42200	60600	73300	73450	105200	105500	1.00	12.5	
2	4.310	10	1.270	1.27	1.267	42400	60400	73600	73760	104900	105100	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only two samples for tensile and one sample for bend test</b>														
Bend Test														
#10 Bar Bend Test Through 180° is Satisfactory														

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

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To,  
 Resident Engineer,  
 Orbit Housing  
 The Spring Apartment Homes

Reference # CED/TFL **2069** (Dr. Nauman Khurram)  
 Reference of the request letter# NIL

Dated: 05-10-2022  
 Dated: 05-10-2022

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

Date of Test 05-10-2022  
 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	0.386	3	0.380	0.11	0.114	4080	4990	81800	79210	100000	96900	1.00	12.5	
2	0.380	3	0.377	0.11	0.112	4180	5070	83800	82550	101600	100200	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<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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