



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

To,  
 Project Director (North-3)  
 PAEC, Chashma  
 “Construction of SCF Building at Chashma”

Reference # CED/TFL **36307** (Dr. Waseem Abbass) Dated: 05-04-2021  
 Reference of the request letter # WASO-P(KCI)-LOI-002-(323)/2020/693 Dated: 31-03-2021

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

Date of Test 06-04-2021  
 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	0.371	3	0.372	0.11	0.109	3500	5000	70200	70820	100200	101200	1.30	16.3	Al-Moiz Steel H. No. (1596)
2	0.371	3	0.373	0.11	0.109	3300	4900	66200	66700	98200	99100	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.**

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,  
 Resident Engineer  
 G3 Engineering Consultants (Pvt) Ltd  
 Consultancy Services for Master Planning Designing and Resident Type Supervision of The  
 Scheme Strengthening of University of Narowal

Reference # CED/TFL **36308** (Dr. Waseem Abbass)  
 Reference of the request letter # G3/237/RE-04

Dated: 05-04-2021  
 Dated: 03-04-2021

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

Date of Test 06-04-2021  
 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	0.377	3	0.375	0.11	0.111	4000	4800	80200	79660	96200	95600	0.80	10.0	
2	0.365	3	0.370	0.11	0.107	4000	5100	80200	82110	102200	104700	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<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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**UET Lahore, Pakistan.**

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2. The above results pertain to sample /samples supplied to this laboratory.
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To,  
 Sr. Project Manager  
 Izhar Group of Companies  
 Construction of Structural Works of Dolmen Shopping Mall DHA Lahore

Reference # CED/TFL **36309** (Dr. Waseem Abbass) Dated: 05-04-2021  
 Reference of the request letter # ICPL/CONST-DML/21/46 Dated: 05-04-2021

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

Date of Test 06-04-2021  
 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	0.404	10	9.88	0.12	0.119	3500	4700	64301	64980	86347	87300	1.40	17.5	Amreli Steel
2	0.405	10	9.89	0.12	0.119	3700	4700	67975	68510	86347	87100	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only two samples for tensile and one sample for bend test</b>														
Bend Test														
10mm Dia`Bar Bend Test Through 180° is Satisfactory														

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To,  
 Principal  
 The Trust School  
 Aamir Town Harbanspura Lahore

Reference # CED/TFL **36311** (Dr. Waseem Abbass)  
 Reference of the request letter # SBL/2021/UET-TEDDS/1223

Dated: 06-04-2021  
 Dated: 06-04-2021

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

Date of Test 06-04-2021  
 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	0.376	3	0.375	0.11	0.111	3400	4700	68200	67730	94200	93700	1.30	16.3	Kamran Steel
2	0.368	3	0.371	0.11	0.108	3200	4600	64200	65200	92200	93800	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<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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