



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

To,  
Resident Engineer  
NESPAK

China – Pakistan Economic Corridor (CPEC), Western Route Hakla (on M1) – Yarak (D.I. Khan) Motorway, Package-3 (Trap to Kot Belian)(M/s Karamdad Constructions (Pvt) Ltd)

Reference # CED/TFL **33999** (Dr. M Rizwan Riaz)

Dated: 11-10-2019

Reference of the request letter # CPEC/NESPAK/CS/RE/PKG3/19/1206

Dated: 04-10-2019

**Tension Test Report** (Page – 1/1)

Date of Test 14-10-2019

Gauge length -----

Description Tension & Fence Wire Tensile Test

Sr. No.	Diameter of Single Wire	Breaking Load	Remarks
	(mm)	(kN)	
1	3.00	7.70	Tension
2	3.00	7.20	
3	3.10	3.50	Fence
4	3.10	3.20	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
<b>Only Four Samples for Test</b>			

**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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To,  
 Sub Divisional Officer  
 Highway Sub Division  
 Shahpur

Reference # CED/TFL **34000** (Dr. Rizwan Raiz)  
 Reference of the request letter # 393/SP

Dated: 11-10-2019  
 Dated: 11-09-2019

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

Date of Test 14-10-2019  
 Gauge length 8 inches  
 Description Deformed Steel Bar Tensile and Bent 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	3800	5000	76200	76330	100200	100500	1.10	13.8	
2	4.297	10	1.268	1.27	1.263	38400	63000	66700	67020	109400	110000	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														
#10 Bar Bend Test Through 180° is Satisfactory														

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

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To,  
 Sub Divisional Officer  
 Building Sub Division  
 Nankana Sahib  
 (Construction of Police Station Syed Wala District Nankana Sahib)

Reference # CED/TFL **34001** (Dr. Rizwan Raiz)  
 Reference of the request letter # 496

Dated: 11-10-2019  
 Dated: 28-09-2019

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

Date of Test 14-10-2019  
 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	0.415	3/8	0.394	0.11	0.122	3600	4800	72200	65060	96200	86800	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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