



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

To,  
Assistant Resident Engineer  
Mascon Associates Pvt. Ltd  
HA Consulting  
Resident Construction Supervision for Installation of ZIP Lining at Four Different Sites in  
Punjab (TDCP)

Reference # CED/TFL **37377** (Dr. M Rizwan Riaz)  
Reference of the request letter # MAC-HAC/ZIP/21/LAB/01

Dated: 17-11-2021

Dated: 17-11-2021

**Tension Test Report** (Page – 1/1)

Date of Test 17-11-2021  
Description Steel Wire Rope Tensile Test

Sr. No.	Nominal Diameter	Measured weight	Breaking Load	Remarks / Coil No.
	(mm)	(kg/m)	(kg)	
1	12	0.547	8200	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
<b>Only one sample for Test</b>				

**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,  
 The Engineer's Representative  
 Metroplan Asian Jv  
 Resident Construction Supervision for Establishment of 200 Bedded Mother & Child Hospital  
 and Nursing College , District Attock

Reference # CED/TFL 37379 (Dr. Asad Ali) Dated: 17-11-2021  
 Reference of the request letter # MetroAsianJV-MCH/Lab-RE-2021-005 Dated: 28-10-2021

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

Date of Test 17-11-2021  
 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	0.373	0.11	0.110	3430	5050	68800	69040	101200	101700	1.50	18.8	AF Steel
2	0.373	3	0.374	0.11	0.110	3380	5070	67800	67870	101600	101800	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<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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**UET Lahore, Pakistan.**

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