



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
Zeeruk International (Pvt) Ltd
Lahore Eastern Bypass Project

Reference # CED/TFL **33208** (Dr. M Rizwan Riaz)
Reference of the request letter # ZI/LEBP/RE/2019/239

Dated: 10-05-2019
Dated: 04-05-2019

Tension Test Report (Page – 1/1)

Date of Test 13-05-2019
Gauge length -----
Description Chain Link Fabric Wire Tensile Test as per AASHTO-M-181

Sr. No.	Diameter of Wire	Breaking Load		Remarks
	(mm)	(kg)	(kN)	
1	3.20	200	1.96	
2	3.20	160	1.57	
3	3.20	200	1.96	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
Only Three Samples for Test				

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
- 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 Al-Tech Engineers & Manufacturers
Gulberg III, Lahore

Reference # CED/TFL **33209** (Dr. M Rizwan Riaz)
Reference of the request letter # Nil

Dated: 10-05-2019

Dated: 10-05-2019

Tension Test Report (Page – 1/1)

Date of Test 13-05-2019
Gauge length 2 inches
Description High Manganese Steel Square Bar Tensile Test

Sr. No.	Designation	Size of Strip	X Section Area	Yield load	Breaking Load	Yield Stress	Ultimate Stress	Elongation	% Elongation	Remarks
	(inch)	(mm)	(mm ²)	(kg)	(kg)	(MPa)	(MPa)	(in)		
1	1-1/2 x 1-1/2	40.67x39.60	1610.53	43000	60200	261.92	366.69	0.45	22.50	
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.	
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Only One Sample for Tensile Test										
Bend Test										

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,
 Resident Engineer
 Allied Engineering Consultants (Pvt) Ltd
 Construction Supervision Services of Multi-Storied Dr. A.Q Khan Hospital
 (SJ Steel)

Reference # CED/TFL **33216** (Dr. M Rizwan Riaz) Dated: 13-05-2019
 Reference of the request letter # AEC/LHR-1/2019/516 Dated: 02-05-2019

Tension Test Report (Page -1/1)

Date of Test 13-05-2019
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size		Area (in ²)		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	0.375	3	0.375	0.11	0.110	2700	4900	54100	53920	98200	97900	1.20	15.0	
2	0.379	3	0.377	0.11	0.112	3100	4900	62200	61260	98200	96900	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

Witnessed by Engr. Usama Mahmood (Project Engineer A.Q Khan Trust)

I/C Testing Laboratories
UET Lahore, Pakistan.

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