



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

To,
Deputy CRE
Zeeruk International (Pvt) Ltd
Lahore Sialkot Motorway Project
(M/s Ibrahim Nizami)(RD 60+000 to 63+000)

Reference # CED/TFL **34317** (Dr. M Rizwan Riaz)
Reference of the request letter # LSM/DCRE/2019/1277

Dated: 13-12-2019

Dated: 12-12-2019

Tension Test Report (Page – 1/1)

Date of Test 16-12-2019

Gauge length -----

Description Mesh Wire & Tension Wire Tensile Test

Sr. No.	Diameter of Single Wire	Breaking Load	Remarks
	(mm)	(kN)	
1	2.80	3.00	Mesh Wire
2	2.70	2.50	
3	3.10	7.50	Tension Wire
4	3.10	7.50	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
Only Four Samples for Test			

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:

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- 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,
 Deputy Director (Maint)
 National Highway Authority, Wazirabad
 (Construction of Chenab Toll Plaza at km 1368–1369 (NBC) on N-5)

Reference # CED/TFL **34318** (Dr. M Rizwan Riaz) Dated: 13-12-2019
 Reference of the request letter #Gen/DD(Maint)/WZD/NHA/2019/2160 Dated: 03-12-2019

Tension Test Report (Page -1/1)

Date of Test 16-12-2019
 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 ²)		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	0.406	10	9.90	0.12	0.119	3100	4700	56952	57300	86347	86900	1.50	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile and one sample for bend test														
Bend Test														
10mm Dia Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,
 Sub Divisional Officer
 Buildings Sub Division No. 15
 Lahore
 (Construction of Litigent Shed and Offices at The Lahore Hugh Court Lahore)

Reference # CED/TFL **34319** (Dr. M Rizwan Riaz)
 Reference of the request letter # 2939

Dated: 13-12-2019
 Dated: 07-12-2019

Tension Test Report (Page -1/1)

Date of Test 16-12-2019
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (inch)		Area (in ²)		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	0.363	3/8	0.369	0.11	0.107	2700	4100	54100	55760	82200	84700	1.00	12.5	
2	0.367	3/8	0.371	0.11	0.108	2700	4200	54100	55170	84200	85900	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile test														
Bend Test														

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To,
 Deputy Director Civil
 US Apparel & Textile (Pvt) Ltd
 Construction of Sewing Hall at US Apparel & Textile Pvt Ltd, Uint 2
 (Afco Steel)
 Reference # CED/TFL **34321** (Dr. M Rizwan Riaz)
 Reference of the request letter # Nil

Dated: 13-12-2019
 Dated: 06-12-2019

Tension Test Report (Page -1/1)

Date of Test 16-12-2019
 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 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	0.366	3	0.370	0.11	0.107	3200	4600	64200	65630	92200	94400	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

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