



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

To,
 Sub Divisional Officer
 Highway Sub Division, Taunsa
 (Rehabilitation/ Construction of Metalled Road from Head 22 to Indus Highway via Makwal and Hairo Length = 27.60 km)

Reference # CED/TFL **34200** (Dr. Qasim Khan)
 Reference of the request letter # 2822

Dated: 19-11-2019
 Dated: 19-09-2019

Tension Test Report (Page -1/1)

Date of Test 21-11-2019
 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 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	0.387	3/8	0.381	0.11	0.114	3000	4300	60200	58090	86200	83300	1.40	17.5	
2	0.416	3/8	0.395	0.11	0.122	4400	5900	88200	79330	118300	106400	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
3/8" Dia 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
- 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,
 Manager C/R & M
 Engineering Cell Multan
 Allied Bank Limited
 Construction Project of Katchery Road Branch, Khanpur (0784)

Reference # CED/TFL **34201** (Dr. Qasim Khan)
 Reference of the request letter # Nil

Dated: 19-11-2019
 Dated: 18-11-2019

Tension Test Report (Page -1/1)

Date of Test 21-11-2019
 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	0.409	3	0.391	0.11	0.120	4000	5100	80200	73290	102200	93500	1.30	16.3	
2	0.411	3	0.392	0.11	0.121	4100	5400	82200	74850	108200	98600	1.00	12.5	
3	0.423	3	0.398	0.11	0.124	4100	5200	82200	72710	104200	92300	1.10	13.8	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only three samples for tensile test														
Bend Test														

I/C Testing Laboratoires
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To,
 Project Manager
 Jiangsu First Electric Power Construction Corporation
 1263 MW Punjab Thermal Power Plant Jhang
 (City Steel UAE)
 Reference # CED/TFL **34204** (Dr. Qasim Khan)
 Reference of the request letter # Nil

Dated: 20-11-2019
 Dated: 20-11-2019

Tension Test Report (Page -1/1)

Date of Test 21-11-2019
 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	0.365	10	9.39	0.12	0.107	3300	5200	60627	67740	95533	106800	0.80	10.0	
2	0.366	10	9.40	0.12	0.108	3200	5200	58789	65510	95533	106500	0.90	11.3	
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Note: only two samples for tensile and one sample for bend test														
Bend Test														
10mm Dia Bar Bend Test Through 180° is Satisfactory														

Witness by Hassan (SE NESPAK)

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,
M/S Defence Housing Authority.
Lahore Cantt
(Construction of Mosque Sector-C, DHA Ph-IX (M/s Zain Saad)

Reference # CED/TFL **34205** (Dr. Qasim Khan)
Reference of the request letter # 408/241/E/Lab/768/003

Dated: 20-11-2019
Dated: 20-11-2019

Tension Test Report (Page -1/1)

Date of Test 21-11-2019
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	0.359	3	0.367	0.11	0.106	3200	4800	64200	66760	96200	100200	1.10	13.8	S.J Steel
2	0.372	3	0.373	0.11	0.109	3400	5000	68200	68540	100200	100800	1.10	13.8	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

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