



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

To,
 Regional Director
 8.2 Obst & Ziehmann International GmbH
 Civil Works of Energy Solution Using Indigenous Resource in Vehari

Reference # CED/TFL **33344** (Dr. M Rizwan Riaz)
 Reference of the request letter # 8p2/ING/240

Dated: 10-06-2019
 Dated: 30-05-2019

Tension Test Report (Page -1/1)

Date of Test 11-06-2019
 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	0.425	10	10.13	0.11	0.125	5000	6200	100200	88210	124300	109400	1.00	12.5	
2	0.426	10	10.14	0.11	0.125	4900	6100	98200	86350	122300	107500	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples 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.

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,
 Project Manager
 Izhar Construction (Pvt) Ltd
 CCBL Ware House & Allied Works Phase-2

Reference # CED/TFL **33345** (Dr. Waseem Abbas)
 Reference of the request letter # ICPL/CCBL/Lab/02

Dated: 11-06-2019
 Dated: 10-06-2019

Tension Test Report (Page -1/1)

Date of Test 11-06-2019
 Gauge length 8 inches
 Description Plain Steel Bar Tensile and Bend Test

Sr. No.	Weight	Diameter/size		Area (mm ²)		Yield load	Breaking Load	Yield Stress (MPa)	Ultimate Stress (MPa)	Elongation	% Elongation	Remarks
	(kg/m)	Nominal (mm)	Actual (mm)	Nominal	Actual	(kg)	(kg)	Actual	Actual	(inch)		
1	0.220	6	5.98	-----	28.1	-----	2300	-----	803	0.5	6.3	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile and one sample for Bend test												
Bend Test												
6mm Dia Bar Bend Test Through 180° is Satisfactory												

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:

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