STRUCTURAL ENGINEERING DIVISION

Test Floor Laboratory
Department of Civil Engineering
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To,

M/S Mughal Iron & Steel Industries Limited.
Lahore

Reference # CED/TFL **5666** (Dr. M Rizwan Riaz) Dated: 13-09-2024
Reference of the request letter # MS/MKT/Lett/UET/001 Dated: 13-09-2024

Tension Test Report (Page -1/1)

Date of Test 13-09-2024
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size		Area (in^2)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.369	3	0.372	0.11	0.109	3600	4700	72200	73130	94200	95500	1.50	18.8	Mughal Steel
2	0.372	3	0.373	0.11	0.109	3500	4900	70200	70600	98200	98900	1.30	16.3	
3	4.246	10	1.261	1.27	1.248	39600	54000	68800	69940	93800	95400	1.50	18.8	
4	4.230	10	1.258	1.27	1.243	39800	54000	69100	70560	93800	95800	1.50	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Note: only four samples for tensile and two samples for bend test

Bend Test

#3 Bar Bend Test Through 180º is Satisfactory

#10 Bar Bend Test Through 180º 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