



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

To,

Assistant Executive Engineer-I
 Central Civil Division No. 1
 Pak PWD, Lahore
 (Construction of Hajj Complex, Lahore.)

Reference # CED/TFL **4830** (Dr. M Rizwan Riaz)
 Reference of the request letter # AEE-I/CCD-I/LHR/166

Dated: 20-03-2024
 Dated: 10-11-2023

Tension Test Report (Page -1/1)

Date of Test 21-03-2024
 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	0.368	3/8	0.371	0.11	0.108	3310	4640	66400	67370	93000	94500	1.40	17.5	
2	0.371	3/8	0.373	0.11	0.109	3310	4660	66400	66830	93400	94100	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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,
 Dy Dir Infra
 Defence Housing Authority, Gujranwala
 "Sector L"

Reference # CED/TFL **4834** (Dr. Rizwan Azam) Dated: 21-03-2024
 Reference of the request letter # 111/15/DD/Dev/RS/Lab/Sec L/836 Dated: 20-03-2024

Tension Test Report (Page -1/1)

Date of Test 21-03-2024
 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	0.375	3	0.375	0.11	0.110	3620	4840	72600	72310	97000	96700	1.30	16.3	FF Steel
2	0.376	3	0.375	0.11	0.111	3490	4760	70000	69560	95400	94900	1.30	16.3	
3	4.309	10	1.270	1.27	1.267	38000	54600	66000	66130	94800	95100	1.30	16.3	Kamran Steel
4	4.324	10	1.272	1.27	1.271	36400	53400	63200	63120	92700	92600	1.50	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only four samples for tensile and two samples for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														
#10 Bar Bend Test Through 180° is Satisfactory														

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