



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

To,
 Sales Engineer
 Premium Engineering Pvt. Ltd
 Namal University Hostels

Reference # CED/TFL **35187** (Dr. Usman Akmal)
 Reference of the request letter # Nil

Dated: 04-08-2020
 Dated: 04-08-2020

Tension Test Report (Page -1/1)

Date of Test 06-08-2020

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	0.383	10	9.61	0.12	0.112	3600	4500	66138	70550	82673	88200	1.20	15.0	
2	0.382	10	9.60	0.12	0.112	3700	4500	67975	72700	82673	88500	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
10mm 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,
 Resident Engineer, ACES
 SRE ACES DHA Multan
 Civil Infrastructure Works Sector V DHA Multan

Reference # CED/TFL **35189** (Dr. Usman Akmal)
 Reference of the request letter # ACES-DHAM-DEV-SEV-V-75

Dated: 05-08-2020
 Dated: 28-07-2020

Tension Test Report (Page -1/1)

Date of Test 06-08-2020
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A496

Sr. No.	Weight (kg/m)	Diameter/ Size (mm)		Area (mm ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (Mpa)		Ultimate Stress (Mpa)		Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual	
1	0.174	5	5.32	19.40	22.20	900	1200	455	398	607	530	Ali Brothers
2	0.165	5	5.18	19.40	21.06	800	1100	405	373	556	512	
3	0.256	6	6.45	32.30	32.63	1600	2200	486	481	668	661	
4	0.241	6	6.26	32.30	30.76	1300	1700	395	415	516	542	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
Note: only four samples for tensile and two samples for bend test												
Bend Test												
5mm Dia Bar Bend Test Through 180° is Satisfactory												
6mm Dia Bar Bend Test Through 180° is Satisfactory												

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,
 Assistant Engineer/SDO (Civil)
 University of Okara
 (Construction of Academic Block-II, University of Okara)

Reference # CED/TFL **35190** (Dr. Usman Akmal)
 Reference of the request letter # UO/Engg.Cell/2020/954

Dated: 05-08-2020
 Dated: 04-08-2020

Tension Test Report (Page -1/1)

Date of Test 06-08-2020

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	0.384	3	0.379	0.11	0.113	3800	5100	76200	74170	102200	99600	1.20	15.0	FF Steel
2	0.359	3	0.366	0.11	0.105	3600	4600	72200	75230	92200	96200	0.80	10.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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UET Lahore, Pakistan.

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