



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

To,
 Resident Engineer ACES
 Sector-V DHA Multan

Reference # CED/TFL **36784** (Dr. Qasim Khan)
 Reference of the request letter # ACES/DHAM/DEV/SEC-V/583

Dated: 19-07-2021
 Dated: 15-07-2021

Tension Test Report (Page -1/1)

Date of Test 26-07-2021
 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	0.385	10	9.64	0.12	0.113	3200	4700	58789	62320	86347	91600	1.20	15.0	SJ Steel
2	0.385	10	9.64	0.12	0.113	3300	4600	60627	64300	84510	89700	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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														

To,

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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Deputy Director
 National Highway Authority
 (Repair / Maintenance of Service Road and Side Drain in Lalamusa City at km 1395+600 to 1398+350 on GT Road, N-5)

Reference # CED/TFL **36786** (Dr. Qasim Khan) Dated: 23-07-2021
 Reference of the request letter # Gen/DD(Maint)/WZD/NHA/2021/679 Dated: 16-07-2021

Tension Test Report (Page -1/1)

Date of Test 26-07-2021
 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	0.375	10	9.52	0.12	0.110	3100	4200	56952	61950	77161	84000	1.50	18.8	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile and one sample for bend test														
Bend Test														
10mm Dia Bar Bend Test Through 180° is Satisfactory														

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To,
 Project Manager
 Engineering Management & Construction Company
 LELCOLE School Johar Town Lahore

Reference # CED/TFL **36788** (Dr. Asad Ali)
 Reference of the request letter # Nil

Dated: 26-07-2021
 Dated: 26-07-2021

Tension Test Report (Page -1/1)

Date of Test 26-07-2021
 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	0.369	3	0.372	0.11	0.108	3210	4760	64400	65230	95400	96800	1.10	13.8	
2	0.370	3	0.372	0.11	0.109	3330	4660	66800	67440	93400	94400	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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To,
 Planning & Coordination Engr.
 Ittefaq Building Solutions Pvt Ltd
 Master Textile Extension of Spinning Unit

Reference # CED/TFL 36789 (Dr. Asad Ali)
 Reference of the request letter # IBS/MTL/ESU/SM001

Dated: 26-07-2021
 Dated: 26-07-2021

Tension Test Report (Page -1/1)

Date of Test 26-07-2021
 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	0.429	3	0.401	0.11	0.126	3980	5810	79800	69560	116500	101600	1.20	15.0	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile test														
Bend Test														

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