



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

To,
 Engr. Waqar Hussain
 M. B. Din

Reference # CED/TFL **37017** (Dr. Qasim Khan)
 Reference of the request letter # Nil

Dated: 07-09-2021
 Dated: 07-09-2021

Tension Test Report (Page -1/1)

Date of Test 07-09-2021
 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	0.380	3	0.377	0.11	0.112	3720	4560	74600	73500	91400	90100	1.00	12.5	Mughal Supreme
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile test														
Bend Test														

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
 NESPAK
 PICIIP Sahiwal
 Punjab Intermediate Cities Improvement Investment Program (PICIIP),
 Consultancy Services for Engineering, Procurement and Construction Management
 Rehabilitation/ Improvement of Water Supply System Sahiwal Lot 1
 Reference # CED/TFL **37018** (Dr. Qasim Khan)
 Reference of the request letter # 3976/11/MT/01/Lot-1/131

Dated: 07-09-2021

Dated: 25-08-2021

Tension Test Report (Page -1/1)

Date of Test 07-09-2021
 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	0.381	3	0.378	0.11	0.112	4030	5200	80800	79270	104200	102300	1.00	12.5	Mughal Steel
2	0.379	3	0.377	0.11	0.111	3930	5070	78800	77780	101600	100400	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Note: only two samples for tensile and one sample for bend test

Bend Test

#3 Bar Bend Test Through 180° is Satisfactory

Witness by Fayyaz Ahmed (ARE NESPAK)

I/C Testing Laboratoires
UET Lahore, Pakistan.

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