



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

To,  
 Assistant Engineer  
 Engineering Cell  
 University of Education, Lahore  
 Re-Construction of Toilet Set of Hostel at University of Education, Lahore (Bank Road Campus)

Reference # CED/TFL **36302** (Dr. Qasim Khan)  
 Reference of the request letter # UE.Engg/AE/2021/47

Dated: 02-04-2021  
 Dated: 16-03-2021

**Tension Test Report** (Page -1/1)

Date of Test 05-04-2021  
 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 <sup>2</sup> )		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	0.370	3	0.372	0.11	0.109	3400	5100	68200	68940	102200	103500	1.20	15.0	Ittefaq Steel
2	0.373	3	0.374	0.11	0.110	3400	5100	68200	68350	102200	102600	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only two samples for tensile and one sample for bend test</b>														
Bend Test														
#3 `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](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,  
 Construction Manager  
 NESPAK  
 Establishment of Punjab Local Government Academy Building - Lahore

Reference # CED/TFL **36305** (Dr. Qasim Khan)  
 Reference of the request letter # 3976/13/MHK/01/227

Dated: 02-04-2021  
 Dated: 19-03-2021

**Tension Test Report** (Page -1/1)

Date of Test 05-04-2021  
 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 <sup>2</sup> )		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	4300	5200	86200	84060	104200	101700	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only one sample for tensile and one sample for bend test</b>														
Bend Test														
#3 `Bar Bend Test Through 180° is Satisfactory														

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**UET Lahore, Pakistan.**

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To,  
 General Manager  
 Zahir Khan & Brothers  
 Alam Sugar Mills  
 (Ittehad Steel)

Reference # CED/TFL **36306** (Dr. Qasim Khan)  
 Reference of the request letter # ZKB/DIK/001

Dated: 05-04-2021  
 Dated: 03-04-2021

**Tension Test Report** (Page -1/1)

Date of Test 02-04-2021  
 Gauge length 8 inches  
 Description Deformed Steel Bar Tensile Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (mm)		Area (in <sup>2</sup> )		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	0.352	10	9.22	0.12	0.103	3000	4400	55115	63920	80835	93800	0.90	11.3	
2	0.321	10	8.81	0.12	0.094	2700	4200	49604	63000	77161	98000	0.85	10.6	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only two samples for tensile test</b>														
Bend Test														

Witness by Mohsin Raza (Lt. Z.K.B)

**I/C Testing Laboratoires**  
**UET Lahore, Pakistan.**

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