



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

To,  
 Flight Leutnant  
 Assistant Director Housing (Tech)  
 AFOHS 'Dett' Lahore

Reference # CED/TFL **36290** (Dr. Qasim Khan)  
 Reference of the request letter # AHQ/74314/2/AFOHS

Dated: 31-03-2021  
 Dated: 30-03-2021

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

Date of Test 01-04-2021  
 Gauge length 8 inches  
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (inch)		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	0.383	3/8	0.378	0.11	0.112	3900	5000	78200	76440	100200	98000	1.10	13.8	
2	0.382	3/8	0.378	0.11	0.112	3900	5000	78200	76640	100200	98300	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only two samples for tensile and one sample for bend test</b>														
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](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,  
 Manager Coordination  
 Izhar Construction (Pvt) Ltd  
 Construction of Mill Building & Cotton Godowns at Nishat Mills Limited, Sahiwala, Faisalabad

Reference # CED/TFL **36292** (Dr. Qasim Khan)  
 Reference of the request letter # ICPL/CONST-NML/21/039

Dated: 31-03-2021  
 Dated: 29-03-2021

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

Date of Test 01-04-2021  
 Gauge length 8 inches  
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (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	0.379	10	9.56	0.12	0.111	3500	4600	64301	69320	84510	91100	1.00	12.5	
2	0.397	10	9.79	0.12	0.117	3700	4900	67975	69840	90021	92500	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only two samples for tensile and one sample for bend test</b>														
Bend Test														
10mm Dia Bar Bend Test Through 180° is Satisfactory														

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

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To,  
 Manager Procurement  
 Khawaja Construction Company  
 Golden Pearl Cosmetics Plot # 141 & Plot # 147 DHA Phase - 5

Reference # CED/TFL **36293** (Dr. Qasim Khan)  
 Reference of the request letter # GPC/KCC/086/21

Dated: 31-03-2021  
 Dated: 31-03-2021

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

Date of Test 01-04-2021  
 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	0.383	3	0.379	0.11	0.113	3600	4800	72200	70490	96200	94000	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only one sample 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.**

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To,  
 Dy. Director (Maint)  
 National Highway Authority  
 Wazirabad  
 (Repair / Maintenance of Service Road Clearing of Side Drain, Repair/Maintenance of Damaged Top Slabs of Drain at km 1281+000 - 1291+000 (NBC) & km 1283+500 - 1291+(SBC) on GT Road, N-5  
 Reference # CED/TFL **36295** (Dr. Qasim Khan) Dated: 31-03-2021  
 Reference of the request letter # Gen/DD(Maint)/WZD/NHA/2021/221 Dated: 31-03-2021

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

Date of Test 01-04-2021  
 Gauge length 8 inches  
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (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	0.372	10	9.48	0.12	0.109	3000	4700	55115	60410	86347	94700	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only one sample for tensile and one sample for bend test</b>														
Bend Test														
10mm Dia Bar Bend Test Through 180° is Satisfactory														

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**UET Lahore, Pakistan.**

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To,  
 CEO  
 PEMAC  
 Maqbool Ahmed Block – KEMU Landscape  
 (Tech-Zone Consultants)

Reference # CED/TFL **36296** (Dr. Qasim Khan)  
 Reference of the request letter # PEMAC/KEMU-LS/2021/05

Dated: 31-03-2021  
 Dated: 31-03-2021

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

Date of Test 01-04-2021  
 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	0.375	10	9.51	0.12	0.110	3700	5000	67975	74020	91858	100100	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only one sample for tensile test</b>														
Bend Test														

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