



**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 Civil  
National Skills University Islamabad  
"Construction of Boundary Wall and Main Gate National Skills University Islamabad  
Muridke Campus."

Reference # CED/TFL **5732** (Dr. Usman Akmal)

Dated: 27-09-2024

Reference of the request letter # NSU/Muridke/Phase-I/2023/11

Dated: 02-05-2024

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

Date of Test 01-10-2024

Gauge length 8 inches

Description Deformed Steel Bar Tensile Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size		Area (in <sup>2</sup> )		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.378	3	0.376	0.11	0.111	3700	4900	74200	73450	98200	97300	1.20	15.0	
2	0.377	3	0.376	0.11	0.111	3700	4800	74200	73610	96200	95500	1.10	13.8	
3	0.375	3	0.375	0.11	0.110	3600	4800	72200	71950	96200	96000	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only three samples for tensile test</b>														
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](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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Ref: CED/TFL/09/5736

Dated: 30-09-2024

Dated of Test: 01-10-2024

To

**Head QA/QC**  
**Vision Developers Pvt. Ltd.**  
**Park View City Lahore.**

Subject: **TESTING OF R.C.C. PIPE [ASTM-C76 - 08a]**

Reference to your letter No. Nil, dated 30.09.2024 on the subject cited above. Two R.C.C. Pipes as received by us have been tested. The results are tabulated as under.

Sr. No	Nominal Size	Total Length	Loaded Length	External Diameter	Internal Diameter	Wall Thickness	Proof load	Ultimate Load	Proof Stress	Ultimate Stress
	(inch)	(foot)	(foot)	(inch)	(inch)	(inch)	(kg)	(kg)	Pound/Linear foot/foot	Pound/Linear foot/foot
1	9	7.78	7.27	12.60	8.91	1.84	13800	16000	5636	6535
2	9	7.74	7.23	12.60	8.89	1.85	11500	13100	4729	5387

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

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To,  
Head QA/QC  
Al-A'Zamiyya Block Phase 1  
Lahore.

Reference # CED/TFL **5742** (Dr. Usman Akmal)  
Reference of the request letter # Alz./ST/011

Dated: 30-09-2024  
Dated: 30-09-2024

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

Date of Test 01-10-2023  
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	0.409	3	0.391	0.11	0.120	3900	5400	78200	71570	108200	99100	1.40	17.5	
2	0.408	3	0.391	0.11	0.120	3700	5200	74200	68080	104200	95700	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<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.**

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To,

Sub Divisional Officer  
Highway Sub Division  
Pindi Bhattian  
(Special Repair of Road from Tibba Shah Behlol to Sahooke Sarganay I/C Link to Thatta  
Peeraka Length = 4.35 kms in District Hafizabad.)

Reference # CED/TFL **5744** (Dr. Usman Akmal)  
Reference of the request letter # 250/PB

Dated: 30-09-2024  
Dated: 05-07-2024

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

Date of Test 01-10-2024  
Gauge length 8 inches  
Description Deformed Steel Bar Tensile 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	0.377	3/8	0.376	0.11	0.111	3900	5200	78200	77610	104200	103500	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only one sample for tensile test</b>														
Bend Test														

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**UET Lahore, Pakistan.**

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To,

Sub Divisional Officer  
Highway Sub Division  
Chak Jhumra  
(Construction of Toll Plaza at Canal Expressway from Gattwala Bridge to Sahianwala M-3 Interchange Faisalabad.)

Reference # CED/TFL **5745** (Dr. Ali Ahmed)  
Reference of the request letter # 264/CJ

Dated: 30-09-2024  
Dated: 18-07-2024

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

Date of Test 01-10-2024

Gauge length 8 inches

Description Deformed Steel Bar Tensile 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	0.384	3/8	0.379	0.11	0.113	3900	5200	78200	76190	104200	101600	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only one sample for tensile test</b>														
Bend Test														

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