



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

To,

Mohsin Abbas  
QAQC Manager, Zameen Development  
Zameen JADE  
Construction of JADE Project by Zameen Development, Lahore.

Reference # CED/TFL **6679** (Dr. Safer Abbas)

Dated: 10-03-2025

Reference of the request letter # ZD/QAQC/KS-13266/JADE/03

Dated: 10-03-2025

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

Date of Test 10-03-2025

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 (kN)	Breaking Load (kN)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Heat No.
		Nominal (#)	Actual (inch)	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.369	3	0.372	0.11	0.109	37.00	49.20	75600	76570	100500	101900	1.40	17.5	ks-46
2	0.370	3	0.372	0.11	0.109	36.70	49.20	75000	75830	100500	101700	1.50	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<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 Laboratories**  
**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/03/6676

Dated: 10-03-2025

Dated of Test: 21-03-2025

To

**Assistant Resident Engineer**  
**(AZEA Mailsi)**  
**AZ Engineering Associates.**  
**Revamping of Basic Health Units in Punjab One at District Vehari, Tehsil**  
**Mailsi.**

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

Reference to your letter no: RE/AZE/Mailsi/30 on dated 10.03.2025 on the subject cited above. Two R.C.C. Pipes as received by us has 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)	Lbs/Linear foot/foot	Lbs/Linear foot/foot
1	9	7.78	7.34	11.10	8.90	1.10	7500	11500	3037	4656
2	9	7.78	7.34	11.00	8.80	1.10	8000	11300	3276	4627

Test Performed and Verified by:

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

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- 2- The above results pertain to sample /samples supplied to this laboratory.
- 3- Sealed sample / Unsealed sample / Marked sample/Signed Samples