



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

Ref: CED/TFL/08/3707, 3717

Dated: 07-08-2023

Dated of Test: 10-08-2023

To

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

Subject: **TESTING OF R.C.C. PIPE [ASTM-C76 - 08a]** (Page # 1/2)

Reference to your letter No. Nil, dated 02.08.2023 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	7.74	7.30	12.28	8.76	1.76	9000	11000	3720	4547
2	9	7.76	7.28	12.20	8.61	1.80	8700	10000	3668	4217

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.
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Dated: 07-08-2023

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To

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

Subject: **TESTING OF R.C.C. PIPE [ASTM-C76 - 08a]** (Page # 2/2)

Reference to your letter No. Nil, dated 02.08.2023 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	12	7.76	7.34	16.14	12.25	1.94	11500	14500	3385	4268
2	15	7.80	7.33	19.72	14.75	2.49	12500	16000	3057	3913

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,

M/S M. Siddique Sons
Lahore
(Siddique Sons Material Test)

Reference # CED/TFL **3708** (Dr. Ali Ahmed)
Reference of the request letter # SS/Letter # 1231

Dated: 07-08-2023
Dated: 07-08-2023

Tension Test Report (Page – 1/1)

Date of Test 10-08-2023
Gauge length 2 inches
Description Aluminum Rail Strip Tensile Test

Sr. No.	Designation	Size of Strip	X Section Area	Yield load	Breaking Load	Yield Stress	Ultimate Stress	Elongation	% Elongation	Remarks
	(mm)	(mm)	(mm ²)	(kg)	(kg)	(MPa)	(MPa)	(in)		
1	Aluminum Rail	23.60x4.30	101.48	1600	2200	155	213	0.20	10.00	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
Only One Sample for Tensile Test										
Bend Test										

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,
 GM
 Professional Construction Services (Pvt) Ltd.
 McDonald's Restaurant at Askari X Lahore.

Reference # CED/TFL **3709** (Dr. Ali Ahmed)
 Reference of the request letter # PCS/22/Eng-94-A

Dated: 08-08-2023
 Dated: 07-08-2023

Tension Test Report (Page -1/1)

Date of Test 10-08-2023
 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 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	0.377	3	0.375	0.11	0.111	3700	4700	74200	73690	94200	93600	1.20	15.0	
2	0.383	3	0.379	0.11	0.113	3700	4600	74200	72400	92200	90100	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile test														
Bend Test														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,
 Resident Engineer
 Pillar & Sons
 Rumanza Golf & Country Club. DHA, Maultan

Reference # CED/TFL **3713** (Dr. Ali Ahmed)
 Reference of the request letter # P&S/OTH/GEN/0113

Dated: 08-08-2023
 Dated: 01-08-2023

Tension Test Report (Page -1/1)

Date of Test 10-08-2023
 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 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	3900	4700	78200	76950	94200	92800	1.10	13.8	Amreli Steel
2	0.379	3	0.377	0.11	0.112	3800	4700	76200	75110	94200	92900	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														

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UET Lahore, Pakistan.

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