



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/08/3820

Dated: 30-08-2023

Dated of Test: 20-09-2023

To

Resident Engineer
ACE-ARTS (Consultant)
UAEET, Sambrial, Sialkot

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

Reference to your letter No. ER/UAEET/ACE/ME/2023/35, dated 23.08.2023 on the subject cited above. One R.C.C. Pipe 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)	Pound/Linear foot/foot	Pound/Linear foot/foot
1	12	7.71	7.28	15.98	11.71	2.14	9500	15500	2947	4808

Witness by M. Umair (ME ACE-Arts)

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.
- 3- Sealed sample / Unsealed sample / Marked sample/Signed Samples



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To,
Asst Dir Lab
Defence Housing Authority, Bahawalpur
(Pelican Mall DHA Bahawalpur)

Reference # CED/TFL **3936** (Dr. Ali Ahmed)
Reference of the request letter # 530/QC/MTL

Dated: 19-09-2023
Dated: 19-09-2023

Tension Test Report (Page -1/1)

Date of Test 20-09-2023
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	0.366	3	0.370	0.11	0.108	3600	5100	72200	73710	102200	104500	1.20	15.0	Kamran Steel	
-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Note: only one sample for tensile and one sample for bend test															
Bend Test															
#3 Bar Bend Test Through 180° is Satisfactory															

To,

I/C Testing Laboratoires
UET Lahore, Pakistan.

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UAEET, Sambrial, Sialkot

Reference # CED/TFL **3938** (Dr. Mazhar Saleem)
Reference of the request letter # ER/UAEET/ACE/ME/2023/44

Dated: 20-09-2023
Dated: 20-09-2023

Tension Test Report (Page – 1/1)

Date of Test 20-09-2023
Gauge length -----
Description Chain Link Mesh Wire and Tension Wire Tensile Test

Sr. No.	Measure Diameter of Single Wire	Breaking Load		Remarks
	(mm)	(kg)	(kN)	
1	3.10	840	8.24	Chain Link Mesh Wire
2	4.00	1960	19.23	Tension Wire
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
Only Two Samples for Test				

Witness by M. Umair (ME ACE-Arts)

To,

I/C Testing Laboratoires
UET Lahore, Pakistan.

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Project Manager
 High-Q Constructions
 Construction of High-Q Mall at 3-A, Gulberg II, Lahore.

Reference # CED/TFL **3941** (Dr. Umbreem Saher)
 Reference of the request letter # QC/HQ/CIVIL/136

Dated: 20-09-2023
 Dated: 20-09-2023

Tension Test Report (Page -1/1)

Date of Test 20-09-2023
 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 ²)		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	4.090	32	31.43	1.25	1.202	36400	54600	64198	66740	96297	100100	1.30	16.3	
2	4.104	32	31.48	1.25	1.206	36400	55800	64198	66510	98413	102000	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
32mm Dia Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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