



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/12/35712

Dated: 07-12-2020

Dated of Test: 10-12-2020

To
Deputy Municipal Officer
Municipal Corporation
Burewala
(Rehabilitation Sewerage Line, Soling & Resoling Yousaf Abad & Masoom Shah Colony Burewala)

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

Reference to your letter No. 1179/I/MC(B), dated 21.09.2020 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)	(foot)	(foot)	(inch)	(kg)	(kg)	Pound/Linear foot/foot	Pound/Linear foot/foot
1	12	11.03	7.29	1.33	1.00	1.97	10200	17000	3092	5154

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
- 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,
 Coordination Engineer
 Izhar Construction (Pvt) Ltd
 Motor Pool Warehouse & TCF Area Extension at Hyundai Motor Pvt. Limited, Faisalabad

Reference # CED/TFL **35735** (Dr. Waseem Abbass) Dated: 10-12-2020
 Reference of the request letter # ICPL/CONST-HNMPL/20/088 Dated: 09-12-2020

Tension Test Report (Page -1/1)

Date of Test 10-12-2020
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size (mm)		Area (in ²)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.425	10	10.13	0.12	0.125	3900	5500	71650	68800	101044	97100	1.30	16.3	FF Steel
2	0.423	10	10.10	0.12	0.124	3700	5400	67975	65610	99207	95800	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
10mm Dia Bar Bend Test Through 180° is Satisfactory														

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UET Lahore, Pakistan.

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