



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/05/3195

Dated: 15-05-2023

Dated of Test: 17-05-2023

To

Assistant Executive Engineer - III
Central Civil Division No. II
Pak, P.W.D. Lahore
(Construction of PCC, Sewerage and Tuff Tiles in UC-71 Ph-II of District Lahore)
(1/7)

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

Reference to your letter No. AEE-III/LCCD-II/LHR/30, dated 17.02.2023

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	7.76	7.31	15.87	12.34	1.76	4000	5100	1174	1497

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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Dated: 15-05-2023

Dated of Test: 17-05-2023

To

Assistant Executive Engineer - III
Central Civil Division No. II
Pak, P.W.D. Lahore
(Construction of PCC, Sewerage and Tuff Tiles in UC-93 Ph-II of District Lahore)
(7/7)

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

Reference to your letter No. AEE-III/LCCD-II/LHR/31, dated 17.02.2023

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	7.79	7.30	16.02	12.12	1.95	4000	5000	1196	1495

I/C Testing Laboratories
UET Lahore, Pakistan.

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To,

Development Engineer
 University of The Punjab
 Construction of National Academy for Weight Lifting at Q.A.C, University of The Punjab, Lahore

Reference # CED/TFL **3197** (Dr. M Rizwan Riaz)
 Reference of the request letter # Nil

Dated: 15-05-2023
 Dated: 15-05-2023

Tension Test Report (Page -1/1)

Date of Test 17-05-2023
 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	0.373	3	0.374	0.11	0.110	3200	4800	64200	64330	96200	96500	1.20	15.0	
2	0.373	3	0.373	0.11	0.110	3200	4800	64200	64380	96200	96600	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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Ref: CED/TFL/05/3213

Dated: 17-05-2023

Dated of Test: 17-05-2023

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 08.05.2023 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	7.73	7.26	12.36	9.43	1.46	10000	13000	3861	5019
2	9	7.81	7.28	12.44	8.79	1.82	12000	12500	4961	5168

Witness by M Waqas (QA/QC Lab Tech. Vision Developers Pvt. Ltd.)

I/C Testing Laboratoires
UET Lahore, Pakistan.

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