



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/09/5664
2024

Dated: 12-09-

Dated of Test: 20-09-2024

To

Dy Dir Infra
Defence Housing Authority, Gujranwala
(Sector D)

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

Reference to your letter No. 111/DD/Lab/Sec-D/113, dated 12.08.2024 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	9	7.76	7.31	11.02	8.81	1.11	7000	10000	2876	4109

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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Ref: CED/TFL/09/5686

Dated: 18-09-2024

Dated of Test: 20-09-2024

To

Resident Engineer
NESPAK
Punjab Rural Sustainable Water Supply & Sanitation Project (PRSWSSP)
Engineering Design and Construction Supervision (EDCS)
Cluster South-III, Tehsil Rojhan (Contract Package -ROJ-01)

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

Reference to your letter No. NESPAK (PRSSSP) ROJ 01-089, dated 21.08.2024 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	7.78	7.36	16.38	12.12	2.13	9500	12500	2820	3710
2	12	7.76	7.36	16.50	12.04	2.23	9000	12000	2685	3580

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To

Resident Engineer
 NESPAK – TurkPak jv
 Reconstruction of Lady Willingdon Hospital, Lahore.

Reference # CED/TFL **5693** (Dr. Rizwa Azam)
 Reference of the request letter # 4729/13/MA/04/98

Dated: 20-09-2024
 Dated: 20-09-2024

Tension Test Report (Page -1/1)

Date of Test 20-09-2024
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size		Area (in ²)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.364	3	0.369	0.11	0.107	3300	5000	66200	67990	100200	103100	1.30	16.3	Hunza Steel
2	0.363	3	0.369	0.11	0.107	3300	5000	66200	68110	100200	103200	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														

Witness by Muhammad Abbas (QA/QC NESPAK)

I/C Testing Laboratoires
UET Lahore, Pakistan.

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