



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/08/5545

Dated: 22-08-2024

Dated of Test: 26-08-2024

To

Resident Engineer
NESPAK

Improvement of Infrastructure in Mohlanwal Housing Scheme Lahore (Package-2)

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

Reference to your letter No. 2599/13/RK/05/MWL/P-2/211, dated 23.07.2024 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	12	7.80	7.36	16.18	12.16	2.01	9500	14500	2809	4287

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
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Ref: CED/TFL/08/5553

Dated: 23-08-2024

Dated of Test: 26-08-2024

To

Resident Engineer
NESPAK

Improvement of Infrastructure in Mohlanwal Housing Scheme Lahore (Package-4)

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

Reference to your letter No. 2599/13/RK/05/MWL/P-4/207, dated 20.07.2024 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	12	7.81	7.35	16.18	12.21	1.98	10000	13000	2947	3831

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:

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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/08/5555-5561

Dated: 23-08-2024

Dated of Test: 26-08-2024

To

Municipal Officer (Inf)
Municipal Committee
Mandi Bahauddin
(Providing and Laying Sewer Line from Ghegha Chowk to Arifabad City
M.B.Din)

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

Reference to your letter No. MC/MBD/1098, dated 12.09.2023 on the subject cited above. Five R.C.C. Pipes 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	7.80	7.29	16.06	12.10	1.98	12000	15000	3598	4498
2	18	7.77	7.15	23.15	18.04	2.55	7000	13000	1435	2665
3	27	8.04	7.74	33.78	27.02	3.38	9470	13730	1198	1736
4	30	8.07	7.68	37.87	29.97	3.95	11600	15860	1334	1823
5	36	8.00	7.65	44.29	36.14	4.07	13730	17990	1314	1722

I/C Testing Laboratoires
UET Lahore, Pakistan.

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Pakistan. Ph: 92-42-99029202

Ref: CED/TFL/08/5556

Dated: 23-08-2024

Dated of Test: 26-08-2024

To

Resident Engineer
Engineering Consultancy Services Punjab (Pvt) Limited.
Program for Strategic Transformation / Revamping of Old Blocks of Ex-DHQS
One at DHQ Gujranwala.

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

Reference to your letter No. ECSP/RE/398/22, dated 27.07.2024 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	27	7.94	7.60	33.54	27.06	3.24	10530	15860	1355	2041

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,
M/s Prime Steel Re-Rolling Mills
Sheikhupura

Reference # CED/TFL **5560** (Dr. Asad Ali)
Reference of the request letter # Nil

Dated: 26-08-2024
Dated: 26-08-2024

Tension Test Report (Page -1/1)

Date of Test 26-08-2024
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	0.370	3	0.372	0.11	0.109	3260	4860	65400	66050	97400	98500	1.30	16.3	Prime Steel
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample 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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