



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/03/6707

Dated: 13-03-2025

Dated of Test: 20-03-2025

To

Saeed Afzal
Assistant Executive Engineer
Pakistan Railway Narowal.
Construction of Road Near Narowal Railway Station

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

Reference to your letter No. A/7, dated 09.02.2025 on the subject cited above. Two 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)	Lbs/Linear foot/foot	Lbs/Linear foot/foot
1	9	7.77	7.34	11.06	9.00	1.03	5200	6500	2082	2602
2	12	7.78	7.37	16.10	11.98	2.06	13200	15500	3957	4646

Test Performed and Verified by:

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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Department of Civil Engineering
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Ref: CED/TFL/03/6710

Dated: 14-03-2025

Dated of Test: 20-03-2025

To

Muammad Abdul Sattar Jalbani
Material/QC Engineer, PRSWSSP, Taunsa
NESPAK Pvt. Ltd.
Procurement of Civil Works, South-III, Tehsil Taunsa Package TAU-IV (Village:
Tub and Basti Buzdar.

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

Reference to your letter no: NESPAK/PRSWSSP/TAUSA/ME/428 on dated 11.11.2024 on the subject cited above. Three 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)	Lbs/Linear foot/foot	Lbs/Linear foot/foot
1	12	7.73	7.34	16.15	12.09	2.03	11000	18500	3279	5514
2	12	7.77	7.35	16.10	12.24	1.93	12000	16200	3529	4764
3	12	7.73	7.34	16.10	12.04	2.03	12000	14500	3591	4340

Test Performed and Verified by:

I/C Testing Laboratories
UET Lahore, Pakistan.

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Ref: CED/TFL/03/6717

Dated: 17-03-2025

Dated of Test: 20-03-2025

To

M. Tufail
Resident Engineer
Nespak Pvt. Ltd. PCP (Package-II)
Rehabilitation of Sewerage System in Muridke City Under PCP

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

Reference to your letter No. PCP/P-2/RE/PCS/169, dated 19.03.2025 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)	Lbs/Linear foot/foot	Lbs/Linear foot/foot
1	12	8.23	7.35	15.76	12.16	1.80	11500	15000	3404	4440

Test Performed and Verified by:

I/C Testing Laboratoires
UET Lahore, Pakistan.

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Ref: CED/TFL/03/6734
2025

Dated: 19-03-

Dated of Test: 20-03-2025

To

Shoab Awais
Resident Engineer
Nespak (Pvt.) Ltd. Lahore
Infrastructure Development at Chahar Bagh Phase-II

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

Reference to your letter No. 4841/13/SA/05/24, dated 03.03.2025 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)	Lbs/Linear foot/foot	Lbs/Linear foot/foot
1	12	7.71	7.30	16.05	11.85	2.10	12000	15500	3670	4740

Test Performed and Verified by:

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,
Director Engineering Projects
Classic International.
Office # 5-B Near Tandoori Restaurant,
20-A, Yasmin Plaza, G-8 Markaz Islamabad.

Reference # CED/TFL **6735** (Dr. Usman Akmal)
Reference of the request letter # Nil

Dated: 19-03-2025
Dated: Nil

Tension Test Report (Page -1/1)

Date of Test 20-03-2025
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 (mm)	Actual (in)	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.424	10	0.398	0.11	0.125	--	4940	--	--	99000	87400	0.40	5.0	Mega Power
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile and one sample for bend test														
Bend Test														
10mm Dia Bar Bend Test Through 180° is Satisfactory (Mega Power)														

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:

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To,
Director Engineering Projects
Classic International.
Office # 5-B Near Tandoori Restaurant,
20-A, Yasmin Plaza, G-8 Markaz Islamabad

Reference # CED/TFL **6736** (Dr. Usman Akmal)
Reference of the request letter # Nil

Dated: 20-03-25
Dated: Nil

Tension Test Report (Page -1/1)

Date of Test 20-03-2025
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 (mm)	Actual (in)	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.371	10	0.373	0.11	0.109	3420	5240	68600	69100	105000	105900	1.00	12.5	5-Star
2	0.372	10	0.373	0.11	0.109	3020	4600	60600	60830	92200	92700	1.20	15.0	Aziz Steel
3	0.361	10	0.368	0.11	0.106	2900	4500	58200	60240	90200	93500	1.20	15.0	Ittehad
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only three samples for tensile and three samples for bend test														
Bend Test														
10mm Dia Bar Bend Test Through 180° is Satisfactory (5-Star)														
10mm Dia Bar Bend Test Through 180° is Satisfactory (Aziz Steel)														
10mm Dia Bar Bend Test Through 180° is Satisfactory (Ittehad)														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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