



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/03/4742

Dated: 05-03-2024

Dated of Test: 15-03-2024

To

Material/QC Engineer
NESPAK
Punjab Rural Municipal Services Company.
Procurement of Civil Works, South-III, Tehsil Taunsa Package TAU-2 & 5

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

Reference to your letter No. NESPAK/PRSWSSP/TAUNSA/ME/153, dated 22.02.2024 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)	Pound/Linear foot/foot	Pound/Linear foot/foot
1	12	7.76	7.34	16.06	11.97	2.05	12600	17200	3797	5184
2	12	7.74	7.35	15.98	11.89	2.05	13000	17600	3936	5329

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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To,

Admin Officer
 Innovative (R) Construction Company
 “Shoring Works at Kingdom Arena, RUDA, Lahore.”

Reference # CED/TFL **4796** (Dr. Asad Ali)
 Reference of the request letter # ICL/KA/PW/0324/02

Dated: 15-03-2024
 Dated: 15-03-2024

Tension Test Report (Page -1/1)

Date of Test 15-03-2024
 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	0.387	3	0.381	0.11	0.114	3590	4960	72000	69550	99400	96100	1.40	17.5	
2	0.390	3	0.382	0.11	0.115	3590	4960	72000	69010	99400	95400	1.50	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one samples for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,

The Project Manager,
HIGH-Q Constructions.
Construction of HIGH-Q Mall at 3-A, GulbergII, Lahore.

Reference # CED/TFL 4797 (Dr. Asad Ali)
Reference of the request letter # QC/HQ/CIVIL/195

Dated: 15-03-2024
Dated: 15-03-2024

Tension Test Report (Page -1/1)

Date of Test 15-03-2024
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 (mm)	Actual (inch)	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.411	10	9.96	0.12	0.121	3840	5100	70547	70030	93696	93100	1.00	12.5	
2	0.402	10	9.86	0.12	0.118	3770	5070	69261	70260	93144	94500	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
10mm Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratories
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