



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/12/37577

Dated: 23-12-2021

Dated of Test: 29-12-2021

To
Chief Executive Officer
Mansoor Mazhar & Associates
Park View City Lahore
(Vision Developers Private Limited)

Subject: TESTING OF R.C.C. PIPE (Page – 1/1)

Reference to your letter No. MMA/PVC/MH/21, dated 26.11.2021 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	9	7.76	7.30	12.52	9.02	1.75	15100	25900	6069	10409
2	9	7.78	7.28	12.60	9.06	1.77	15100	23000	6057	9226

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:

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To,
M/S S.A Sheikh & Co.
Lahore

Reference # CED/TFL **37593, 618** (Dr. Ali Ahmed)
Reference of the request letter # SASheikh/MOC-DHA/INSP1

Dated: 24-12-2021
Dated: 24-12-2021

Tension Test Report (Page – 1/1)

Date of Test 29-12-2021
Gauge length 2 inches
Description Angle Steel Strip Tensile and Bend Test

Sr. No.	Designation		Size of Strip	X Section Area	Yield load	Breaking Load	Yield Stress	Ultimate Stress	Elongation	% Elongation	Remarks
	(inch)	(mm)									
1	Angle	2 ¹ / ₂ x1/4	25.40x5.10	129.54	4400	6700	333	507	0.50	25.00	
2	Angle	2 ¹ / ₂ x1/4	26.00x5.30	137.80	4500	7400	320	527	0.50	25.00	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
Only Two Samples for Tensile and Two Samples for Bend Test											
Bend Test											
Strip Taken from Angle (2 ¹ / ₂ "x1/4") Bend Test Through 180° is Satisfactory											
Strip Taken from Angle (2 ¹ / ₂ "x1/4") Bend Test Through 180° is Satisfactory											

Witness by Hamza Tariq (A.M LESCO) and Faraz Ahmed (Electric Engineer Barqaab)

I/C Testing Laboratories
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To,
 Project Manager
 Zaheer Associates
 Shapes Health Club Swimming Pool in K-Block Al-Rehman Garden Ph-II Lahore

Reference # CED/TFL **37608** (Dr. Ali Ahmed)
 Reference of the request letter # Z.A/A.R/25-21

Dated: 28-12-2021
 Dated: 28-12-2021

Tension Test Report (Page -1/1)

Date of Test 29-12-2021
 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	0.384	3	0.379	0.11	0.113	3000	4500	60200	58630	90200	88000	1.20	15.0	Mughal Steel
2	0.374	3	0.374	0.11	0.110	2700	4000	54100	54180	80200	80300	1.60	20.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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To,
 Sub Divisional Officer
 Building Sub Division
 Nankana Sahib
 (Reconstruction of Dangerous Building at GPS Dhere Da Wara)

Reference # CED/TFL **37610** (Dr. Ali Ahmed)
 Reference of the request letter # 396/SDO/BSO/NNS

Dated: 28-12-2021
 Dated: 30-11-2021

Tension Test Report (Page -1/1)

Date of Test 29-12-2021
 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	0.375	3	0.375	0.11	0.110	3900	4800	78200	78010	96200	96100	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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To,
 Quality Control Engineer
 Rizwan Nazir Consulting Engineers
 Construction of Engr Centre of Excellence in QATPL, Bhikki, Sheikhpura

Reference # CED/TFL **37611** (Dr. Ali Ahmed) Dated: 28-12-2021
 Reference of the request letter # UET/ECOC-QATPL/RNCE/001 Dated: 27-12-2021

Tension Test Report (Page -1/1)

Date of Test 29-12-2021
 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	0.367	3	0.370	0.11	0.108	3000	4500	60200	61360	90200	92100	1.50	18.8	Ittehad Steel
2	0.376	3	0.375	0.11	0.111	3400	5100	68200	67740	102200	101700	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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
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To,
 Resident Engineer
 NESPAK
 Punjab Intermediate Cities Improvement Investment Program (PICIP)
 Consultancy Services for Engineering, Procurement and Construction Management
 Trunk Main Sewer Lines, Effluent Pumping Station and Allied Work (NCB-WORK/PICIIP-03
 (Lot-04))

Reference # CED/TFL **37620** (Dr. Asiif Hameed) Dated: 29-12-2021

Reference of the request letter # 3976/11/URJ/Lot-04/01/42 Dated: 28-12-2021

Tension Test Report (Page -1/1)

Date of Test 28-12-2021

Gauge length 8 inches

Description Deformed Steel Bar Tensile and Bend Test as per ASTM A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (inch)		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.385	3/8	0.379	0.11	0.113	3050	4900	61200	59460	98200	95600	1.40	17.5	
2	0.384	3/8	0.379	0.11	0.113	2900	4700	58200	56580	94200	91700	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
3/8" Dia Bar Bend Test Through 180° is Satisfactory														

Witness by Fayyaz Ahmed (ARE NESPAK)

I/C Testing Laboratoires
UET Lahore, Pakistan.

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