



STRUCTURAL ENGINEERING DIVISION
Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,

Team Leader – JIPIC
Project Implementation Consultants (PICs)
Jalalpur Irrigation Project (JIP)
Construction of Jalalpur Irrigation Canal and Its System.

Reference # CED/TFL **6288** (Dr. Ali Ahmed)
Reference of the request letter # JIPIC/2.18/7764

Dated: 03-01-2025
Dated: 09-12-2024

Tension Test Report (Page – 1/1)

Date of Test 08-01-2025
Description Weld test Coupons Steel Strip Bend Test

Sr. No	Bend Test	Name	Welder ID
1	Strip taken from Weld test Coupons Root Bend Test Through 180° is Satisfactory	Umer Bushk	JIP/SE-01
2	Strip taken from Weld test Coupons Face Bend Test Through 180° is Satisfactory		
3	Strip taken from Weld test Coupons Root Bend Test Through 180° is Satisfactory	M. Azam	JIP/SE-02
4	Strip taken from Weld test Coupons Face Bend Test Through 180° is Satisfactory		
5	Strip taken from Weld test Coupons Root Bend Test Through 180° is Satisfactory	M. Sajid	JIP/SE-03
6	Strip taken from Weld test Coupons Face Bend Test Through 180° is Satisfactory		
7	Strip taken from Weld test Coupons Root Bend Test Through 180° is Satisfactory	Fayyaz Ali	JIP/SE-04
8	Strip taken from Weld test Coupons Face Bend Test Through 180° is Satisfactory		
9	Strip taken from Weld test Coupons Root Bend Test Through 180° is Satisfactory	Usman Ali	JIP/SE-05
10	Strip taken from Weld test Coupons Face Bend Test Through 180° is Satisfactory		
11	Strip taken from Weld test Coupons Root Bend Test Through 180° is Satisfactory	Zaheer Abbas	JIP/SE-06
12	Strip taken from Weld test Coupons Face Bend Test Through 180° is Satisfactory		
13	Strip taken from Weld test Coupons Root Bend Test Through 180° is Satisfactory	Qaiser Mehmood	JIP/SE-05
14	Strip taken from Weld test Coupons Face Bend Test Through 180° is Satisfactory		
Only fourteen samples for bend test			

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,

QAQC Manager
Zameen Development
Zameen Phoenix
Construction of Phoenix Project by Zameen Development, Lahore.

Reference # CED/TFL **6302** (Dr. Ali Ahmed)

Dated: 07-01-2025

Reference of the request letter # ZD/QAQC/Phoenix/06

Dated: 06-01-2025

Tension Test Report (Page -1/1)

Date of Test

08-01-2025

Gauge length

8 inches

Description

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

Heat # 24123101

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	4.163	10	1.248	1.27	1.224	38800	53800	67400	69890	93400	96900	1.50	18.8	
2	4.134	10	1.244	1.27	1.215	38600	53200	67000	70010	92400	96500	1.50	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#10 Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To

Resident Engineer
Engineering Consultancy Services Punjab (Pvt) Ltd.
Model Cattle Market Shahpur Kanjra, Lahore.

Reference # CED/TFL **6304** (Dr. Ali Ahmed)
Reference of the request letter # ECSP/MCML/46

Dated: 07-01-2025
Dated: 03-01-2025

Tension Test Report (Page -1/1)

Date of Test 08-01-2025
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	0.380	3	0.377	0.11	0.112	3400	5100	68200	67050	102200	100600	1.20	15.0	Aziz Steel
2	0.381	3	0.378	0.11	0.112	3400	5100	68200	66890	102200	100400	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														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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STRUCTURAL ENGINEERING DIVISION
Test Floor Laboratory
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To

Resident Engineer
 NESPAK

Dualization of Faisalabad Chiniot Sargodha Road from Kamalpur Interchange to Tehsil Chowk, District Faisalabad and Chiniot Length = 24.00 km

Reference # CED/TFL **6305** (Dr. Ali Ahmed)

Dated: 07-01-2025

Reference of the request letter # 4834/(RR)/103/AS/01/80

Dated: 17-12-2024

Tension Test Report (Page -1/1)

Date of Test 08-01-2025

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	0.396	3	0.385	0.11	0.116	3900	5100	78200	73880	102200	96700	1.10	13.8	FF Steel
2	0.376	3	0.375	0.11	0.110	3700	4900	74200	73870	98200	97900	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
UET Lahore, Pakistan.

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STRUCTURAL ENGINEERING DIVISION
Test Floor Laboratory
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To,

M/S Famous Engineering Services
Islamabad

Reference # CED/TFL **6306** (Dr. Ali Ahmed)
Reference of the request letter # Nil

Dated: 07-01-2025

Dated: 07-01-2025

Tension Test Report (Page – 1/1)

Date of Test

08-01-2025

Description

Steel Wire Rope Tensile Test

Sr. No.	Nominal Diameter	Measured weight	Breaking Load	Remarks / Coil No.
	(mm)	(kg/m)	(kg)	
1	8	0.22	3900	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
Only one sample for Test				

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To,
 Operations Manager
 The Skline Mall & Residencies,
 Raiwind Road, Lahore.

Reference # CED/TFL **6307** (Dr. Ali Ahmed)
 Reference of the request letter # Nil

Dated: 07-01-2025
 Dated: 06-01-2025

Tension Test Report (Page -1/1)

Date of Test 08-01-2025
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile 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	0.363	3	0.369	0.11	0.107	3700	4800	74200	76430	96200	99200	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile test														
Bend Test														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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Test Floor Laboratory
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To,
M/S United Towers
Badami Bagh, Lahore

Reference # CED/TFL **6310** (Dr. Ali Ahmed)
Reference of the request letter # JB-36M-T-BM-02-2025

Dated: 08-01-2025
Dated: 08-01-2025

Tension Test Report (Page -1/1)

Date of Test 08-01-2025
Gauge length 8 inches
Description Plain Steel Rod Tensile Test

Sr. No.	Weight	Diameter/ size		Area (in ²)		Yield load	Breaking Load	Yield Stress (Psi)	Ultimate Stress (Psi)	Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal (mm)	Actual (mm)	Nominal	Actual	(kg)	(kg)	Actual	Actual	(inch)		
1	5.035	36	34.87	-----	1.480	35600	52200	53020	77800	1.50	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile test												
Bend Test												

I/C Testing Laboratoires
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To,
Construct Manager
Thaheem Construction Company
“Briell Pharm” at Sunder Industrial Estate Lahore.

Reference # CED/TFL **6312** (Dr. Ali Ahmed)
Reference of the request letter # TCC/UET/320

Dated: 08-01-2025
Dated: 04-01-2025

Tension Test Report (Page -1/1)

Date of Test 08-01-2025
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	0.382	3	0.378	0.11	0.112	3100	4900	62200	60810	98200	96200	1.10	13.8	
2	0.372	3	0.373	0.11	0.109	3100	4900	62200	62520	98200	98900	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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
UET Lahore, Pakistan.

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