

To,
 Mr. M Umer Karimi (Civil Engineer)
 Care-EPC

Reference # CED/TFL 7350 (Dr. Rizwan Azam)
 Reference of the request letter # BS/2500808-015

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

Tension Test Report (Page-1/1)

Date of Test 12-08-2025
 Gauge Length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Actual Weight Per Unit Length (lb/ft)	Nominal Size (mm)	Actual Diameter (inch)	Area (in ²)		Yield Load (kN)	Breaking Load (kN)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
				Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.363	10	0.369	0.120	0.107	30.70	45.20	57491	64604	84644	95117	1.2	15.0	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note: Only 1 Samples for Tensile and 0 Samples for Bend test

Bend Test

Test Performed and Verified by:

To,
 Manager Admin
 Alfazal Electrical Engineering Industry (Pvt.) Ltd.

Reference # CED/TFL 7353-54 (Dr. Rizwan Azam)
 Reference of the request letter # AEEI-25-08-0092

Dated: 11-08-2025
 Dated: 07-08-2025

Tension Test Report (Page-1/1)

Date of Test 12-08-2025
 Gauge Length 2 inches
 Description MS Sheet Strip Tensile Test Report

Sr. No.	Designation	Size of Strip	X Section Area	Yield Load	Breaking Load	Yield Stress	Ultimate Stress	Elongation	% Elongation	Remarks
	(Inch)	(mm)	(mm ²)	(kg)	(kg)	(MPa)	(MPa)	(inch)		
1	MS Sheet	1.50 x 24.50	36.75	1090	1580	291.0	421.8	0.3	15.0	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Note: Only 1 Samples for Tensile and 0 Samples for Bend test

Bend Test

Test Performed and Verified by:

To,

Mr. Haroon ur Rasheed (Resident Engineer)
Pioneer Cement Ltd.
PCL Site Khushab, Pakistan

Reference # CED/TFL 7359 (Dr. Rizwan Azam)
Reference of the request letter # PCL/DES/AZ/111

Dated: 11-08-2025
Dated: 06-08-2025

Tension Test Report (Page-1/1)

Date of Test 12-08-2025
Gauge Length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Actual Weight Per Unit Length (lb/ft)	Nominal Size (mm)	Actual Diameter (inch)	Area (in ²)		Yield Load (kN)	Breaking Load (kN)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
				Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.409	10	0.391	0.120	0.12	36.20	54.20	67790	67706	101498	101372	1.2	15.0	Heat # 726
2	0.424	10	0.399	0.120	0.125	37.70	56.70	70599	67919	106180	102149	1.2	15.0	Heat # 726
3	0.423	10	0.398	0.120	0.124	37.5	56.00	70225	67739	104869	101157	1.3	16.3	Heat # 727
4	0.412	10	0.393	0.120	0.121	36	54.70	67416	66769	102434	101452	1.1	13.8	Heat # 727
5	0.406	10	0.39	0.120	0.119	37	56.20	69288	69738	105243	105926	1.0	12.5	Heat # 226
6	0.405	10	0.389	0.120	0.119	37.2	55.50	69663	70310	103933	104898	1.0	12.5	Heat # 226

Note: Only 6 Samples for Tensile and 3 Samples for Bend test

Bend Test	
10mm Bar Bend Test Through 180 Degree is Satisfactory	
10mm Bar Bend Test Through 180 Degree is Satisfactory	
10mm Bar Bend Test Through 180 Degree is Satisfactory	

Test Performed and Verified by:

To,

Engr. Suleman Khan (Resident Engineer)

Asian Consulting Engineers (Pvt.) Ltd.

Supervision of Additional Block at W.W Schools Boys & Girls People Colony Gujranwala

Construction of Additional Block at W.W Boys & Girls School at Labour Colony Gujranwala

Reference # CED/TFL 7360 (Dr. Rizwan Azam)

Dated: 11-08-2025

Reference of the request letter # AsCE-PWWF-GWJ-004

Dated: 08-08-2025

Tension Test Report (Page-1/1)

Date of Test 12-08-2025

Gauge Length 8 inches

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

Sr. No.	Actual Weight Per Unit Length (lb/ft)	Nominal Size (#)	Actual Diameter (inch)	Area (in ²)		Yield Load (kN)	Breaking Load (kN)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
				Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.376	3	0.375	0.110	0.11	33.50	50.00	68437	68163	102145	101735	1.2	15.0	Farooq Steel
2	0.371	3	0.372	0.110	0.109	33.00	49.00	67416	68103	100102	101123	1.3	16.3	Farooq Steel
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note: Only 2 Samples for Tensile and 1 Samples for Bend test

Bend Test

3 Bar Bend Test Through 180 Degree is Satisfactory

Test Performed and Verified by:

To,

Sub Divisional Officer

Kot Adu Canal Sub Division, Kot Adu

Construction of Artificial Recharge Tank for Rain Water Harvesting in Kot Adu Canal Division, Kot Ad

Reference # CED/TFL 7365 (Dr. Rizwan Azam)

Dated: 12-08-2025

Reference of the request letter # 275/1-G

Dated: 09-08-2025

Tension Test Report (Page-1/1)

Date of Test 12-08-2025

Gauge Length 8 inches

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

Sr. No.	Actual Weight Per Unit Length (lb/ft)	Nominal Size (#)	Actual Diameter (inch)	Area (in ²)		Yield Load (kN)	Breaking Load (kN)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
				Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.382	3	0.378	0.110	0.112	32.00	48.50	65373	64101	99081	97154	1.3	16.3	3/8"
2	0.376	3	0.375	0.110	0.111	37.20	46.00	75996	75609	93973	93495	1.0	12.5	3/8"
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note: Only 2 Samples for Tensile and 1 Samples for Bend test

Bend Test

3 Bar Bend Test Through 180 Degree is Satisfactory

Test Performed and Verified by:

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