

To,

Engr. Shahzad Khurram (Chief Resident Engineer)

Osmani & Company (Pvt.) Ltd.

Construction of 2 x Lift Stations and Roads Lane-24 at Allama Iqbal Industrial City, Near Sahianwala Interchange M-4 Motorway, Faisalabad (Procurement No. AIIC-014) (Kissan Steel)

Reference # CED/TFL 7689 (Dr. Rizwan Riaz)

Dated: 24-10-2025

Reference of the request letter # CRE/AIIC-014/Lab/2102

Dated: 22-10-2025

Tension Test Report (Page-1/1)

Date of Test 27-10-2025

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 (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
				Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.358	3	0.366	0.110	0.1053	4200	5300	84153	87949	106193	110984	1	12.5	-
2	0.360	3	0.367	0.110	0.1057	4300	5400	86156	89693	108196	112638	0.9	11.3	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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,

Mr. Muhammad Rashid (Project Manager)
Swiss Mall MM Alam Road Gulberg III, Lahore

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Reference # CED/TFL 7692 (Dr. Rizwan Riaz)
Reference of the request letter # Nil

Dated: 27-10-2025

Dated: 27-10-2025

Tension Test Report (Page-1/1)

Date of Test 27-10-2025

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 (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
				Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.411	3	0.392	0.110	0.1207	3800	5600	76138	69381	112204	102245	1.2	15.0	-
2	0.383	3	0.378	0.110	0.1125	3500	5200	70127	68581	104189	101892	1.4	17.5	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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,

Mr. Kaleem Ullah (Mechanical Engineer)
Mechatron-DM (SMC-Pvt.) Ltd.

Reference # CED/TFL **7694** (Dr. Asif Hameed)
Reference of the request letter # Nil

Dated: 27-10-2025
Dated: 24-10-2025

Weld Strength Report (Page – 1/1)

Date of Test 27-10-2025

Description Wheel Block for Extreme Load Test

One Wheel Block Sample is tested in compression as per requirement of the client. The results are tabulated as follows:

Sr. No.	Applied Load	Applied Load	Vertical Deformation	Remarks
	(Kg)	(Ton)	Inches	
1	28,000	28	0.054	-
2	36,000	36	0.061	-
3	42,000	42	0.067	-
4	60,000	60	0.086	Design Load
5	120,000	120	-----	Maximum Applied Load
Only one sample for test				

Test Performed and Verified by: