

To,  
 Mr. Naeem Akhtar (Director)  
 Usman Ibrahim Construction  
 Construction of Alam Tower

Reference # CED/TFL 6947 (Dr. Usman Akmal)  
 Reference of the request letter # Nil

Dated: 13-05-2025  
 Dated: 13-05-2025

**Tension Test Report** (Page-1/1)

Date of Test 14-05-2025  
 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 <sup>2</sup> )		Yield Load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
				Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.387	3	0.381	0.110	0.114	3900	5200	78142	75581	104189	100775	1.1	13.8	-
2	0.367	3	0.371	0.110	0.108	3900	5000	78142	79682	100182	102156	1	12.5	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**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. M. Yasir Kiani (Resident Engineer)  
 Nespak (Pvt.) Ltd.  
 Expansion of Joint Check Post Wahga, Lahore

Reference # CED/TFL 6949 (Dr. Usman Akmal)  
 Reference of the request letter # 4749/031/YK/01/176

Dated: 13-05-2025  
 Dated: 13-05-2025

**Tension Test Report** (Page-1/1)

Date of Test 14-05-2025  
 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 <sup>2</sup> )		Yield Load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
				Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.363	3	0.369	0.110	0.107	3100	4800	62113	64000	96175	99096	0.9	11.3	Aziz Steel
2	0.368	3	0.371	0.110	0.108	3100	4800	62113	63231	96175	97907	1	12.5	Aziz 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,  
M/s Ravi Construction Company  
Repetify 2 QABP, Sheikhpura  
(Moiz Steel)

Reference # CED/TFL 6950 (Dr. Usman Akmal)  
Reference of the request letter # Nil

Dated: 13-05-2025  
Dated: 13-05-2025

**Tension Test Report** (Page-1/1)

Date of Test 14-05-2025  
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 <sup>2</sup> )		Yield Load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
				Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.367	3	0.371	0.110	0.108	3200	4900	64116	65364	98178	100088	1.4	17.5	3"/8
2	0.367	3	0.371	0.110	0.108	3200	4900	64116	65364	98178	100088	1.2	15.0	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:

To,

Sub Divisional Officer

Road Construction, Sub Division No.1, Lahore

Rehabilitation of Barki Road From BRB Canal to Hudaira Drain I/C Bridge in District Lahore

Reference # CED/TFL 6953 (Dr. Usman Akmal)

Dated: 13-05-2025

Reference of the request letter # 312/RCSD-1

Dated: 06-05-2025

**Tension Test Report** (Page-1/1)

Date of Test 14-05-2025

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 <sup>2</sup> )		Yield Load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
				Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.365	3	0.370	0.110	0.107	3100	4900	62113	63693	98178	100677	1	12.5	-
2	0.371	3	0.372	0.110	0.109	3200	5000	64116	64752	100182	101174	1.1	13.8	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**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:

To,  
 Mr. Ghulam Mustafa (Project Manager)  
 Liberty Builders  
 Construction of Zee Avenue - Ramada Hotel & Suites 17-a Cooper Road, Lahore

Reference # CED/TFL 6954 (Dr. Rizwan Riaz)  
 Reference of the request letter # SPT/UET/20250514

Dated: 14-05-2025  
 Dated: 14-05-2025

**Tension Test Report** (Page-1/1)

Date of Test 14-05-2025  
 Gauge Length 2 inches  
 Description Strips 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 <sup>2</sup> )	(kg)	(kg)	(MPa)	(MPa)	(inch)		
1	-	27.50 x 11.80	324.50	14500	18400	438.4	556.3	0.7	35.0	12mm
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

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

Bend Test										

Test Performed and Verified by: