

To,
Manager Works

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Reference # CED/TFL 7472 (Dr. Asif Hameed)
Reference of the request letter # Nil

Dated: 05-09-2025
Dated: 05-09-2025

Tension Test Report (Page-1/2)

Date of Test 10-09-2025
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 ²)	(kg)	(kg)	(MPa)	(MPa)	(inch)		
1	MEC-01	15.60 x 33.20	517.92	21100	31100	399.7	589.1	0.7	35.0	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

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

Bend Test

Test Performed and Verified by:

To,
Manager Works

Reference # CED/TFL **7472** (Dr. Asif Hameed)
Reference of the request letter # Nil

Dated: 05-09-2025
Dated: 05-09-2025

Tension Test Report (Page – 2/2)
Date of Test 10-09-2025
Gauge length 2 inches
Description Strip Tensile Test

Sr. No.	Designation	Size of Strip	X Section Area	Yield load	Breaking Load	Yield Stress	Ultimate Stress	Elongation	% Elongation	Remarks
	-----	(mm)	(mm ²)	(kg)	(kg)	(MPa)	(MPa)	(in)		
1	TS-01	19.10x24.00	458.40	-	25900	-	554.3	1.6	80.0	-
2	TS-02	19.30x24.60	474.78	-	26300	-	543.4	1.5	75.0	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
Only Two Samples for Tensile and Four for Bend Test										
Bend Test										
RB-01 (4t Mandrill) Strip Bend Test Through 180° is Satisfactory										
RB-026 (4t Mandrill) Strip Bend Test Through 180° is Satisfactory										
FB-01 (4t Mandrill) Strip Bend Test Through 180° is Satisfactory										
FB-02 (4t Mandrill) Strip Bend Test Through 180° is Satisfactory										

Test Performed and Verified by:

To,

Mr. Sohaib Awais (Resident Engineer)
Nespak (Pvt.) Ltd.
Infrastructure Development at Natt Kalan Village
(AF Steel)

Reference # CED/TFL 7483 (Dr. Usman Akmal)
Reference of the request letter # NKV/13/SA/04/12

Dated: 09-09-2025
Dated: 05-08-2025

Tension Test Report (Page-1/1)

Date of Test 10-09-2025
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	0.380	3	0.377	0.110	0.1116	3500	4700	70127	69125	94171	92825	0.8	10.0	Heat # 485
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note: Only 1 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,
 Syed Mudassir Ali Shah (Planning Branch)
 M/s DHA Multan
 M/s Five Star Steel Industry (Pvt.) Ltd.

Reference # CED/TFL 7484 (Dr. Usman Akmal)
 Reference of the request letter # 701/01/Plans/DHA

Dated: 09-09-2025
 Dated: 05-09-2025

Tension Test Report (Page-1/1)

Date of Test 10-09-2025
 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	0.371	3	0.372	0.110	0.1089	3300	5200	66120	66779	104189	105228	1.1	13.8	3/8"
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note: Only 1 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: