To,

Fazal Qadir (XEN)
Garrison Engineer (Army)-1 Sialkot
Const of Ch/Dh for Patient at CMH Slk Cantt.

Reference # CED/TFL **6807** (Dr. Usman Akmal) Dated: 11-04-2025
Reference of the request letter # 6002/61/E-6 Dated: 20-03-2025

Tension Test Report (Page-1/2)

Date of Test 16-04-2025
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	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
				Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	**0.365**	**3**	**0.369**	**0.110**	**0.107**	**3500**	**4800**	**70127**	**71941**	**96175**	**98662**	**0.8**	**10.0**	**3/8 (Inch)**
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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,

Fazal Qadir (XEN)
Garrison Engineer (Army)-1 Sialkot
Const of 1 x Bn Office Block for A Det Ex 909 Cl Gp Slk.

Reference # CED/TFL **6807** (Dr. Usman Akmal) Dated: 11-04-2025
Reference of the request letter # 6002/64/E-6 Dated: 10-04-2025

Tension Test Report (Page-2/2)

Date of Test 16-04-2025
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	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
				Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	**0.364**	**3**	**0.369**	**0.110**	**0.107**	**3700**	**4900**	**74135**	**76176**	**98178**	**100882**	**1**	**12.5**	**3/8 (Inch)**
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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,

Sub Divisional Officer
Buildings Sub Division No.2, Gujranwala
Construction of Environment Complex in Gujranwala (ADP # 5860 The Year 2023-24)

Reference # CED/TFL **6808** (Dr. Usman Akmal) Dated: 15-04-2025
Reference of the request letter # 1145/G-21 Dated: 10-04-2025

Tension Test Report (Page-1/1)

Date of Test 16-04-2025
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	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
				Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.369	3	0.372	0.110	0.109	3600	4600	72131	73118	92167	93429	1.2	15.0	3/8"
2	0.368	3	0.371	0.110	0.108	3500	4600	70127	71339	92167	93760	1.1	13.8	3/8"
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 2 Samples for Tensile and 0 Samples for Bend test														

Bend Test

Test Performed and Verified by:

To,

Akash Shahzad Khan (XEN)
GE (Army)-II Okara
Const of 8 x Sldrs Flats (G+3) Block No.2, HQ 2 ALRG at Okara-ENC-A-51/2025
Const of 6 x D Type Flats (G+2), HQ 2 ALRG at Okara-ENC-A-64/2025

Reference # CED/TFL **6812** (Dr. Usman Akmal) Dated: 15-04-2025
Reference of the request letter # 6000/Gen/09/E-6 Dated: 08-04-2025

Tension Test Report (Page-1/1)

Date of Test 16-04-2025
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	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
				Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	**0.371**	**3**	**0.373**	**0.110**	**0.109**	**3200**	**4800**	**64116**	**64631**	**96175**	**96946**	**1.3**	**16.3**	**3/8"**
2	**0.369**	**3**	**0.372**	**0.110**	**0.109**	**3100**	**4800**	**62113**	**62944**	**96175**	**97462**	**1.4**	**17.5**	**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:

To,

Sumair Baloch (CW Manager)
Ammar Engineering Solutions (Pvt.) Ltd.
Tawal Site ID (54183) -(53990) - (NRO25_South_106) -(NRO25_North_723) - (40-KKZ621)

Reference # CED/TFL **6813** (Dr. Usman Akmal) Dated: 15-04-2025
Reference of the request letter # AmmarEngineeringSolutions(Pvt.)Ltd./Stee/T: Dated: 26-03-2025

Tension Test Report

(Page-1/1)

Date of Test 16-04-2025
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	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
				Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	**0.370**	**3**	**0.372**	**0.110**	**0.109**	**3200**	**4900**	**64116**	**64868**	**98178**	**99330**	**1.3**	**16.3**	**10 mm**
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test														

Bend Test

Test Performed and Verified by:

Ref: CED/TFL/04/6814 Dated: 15-04-2025

Dated of Test: 16-04-2025

To

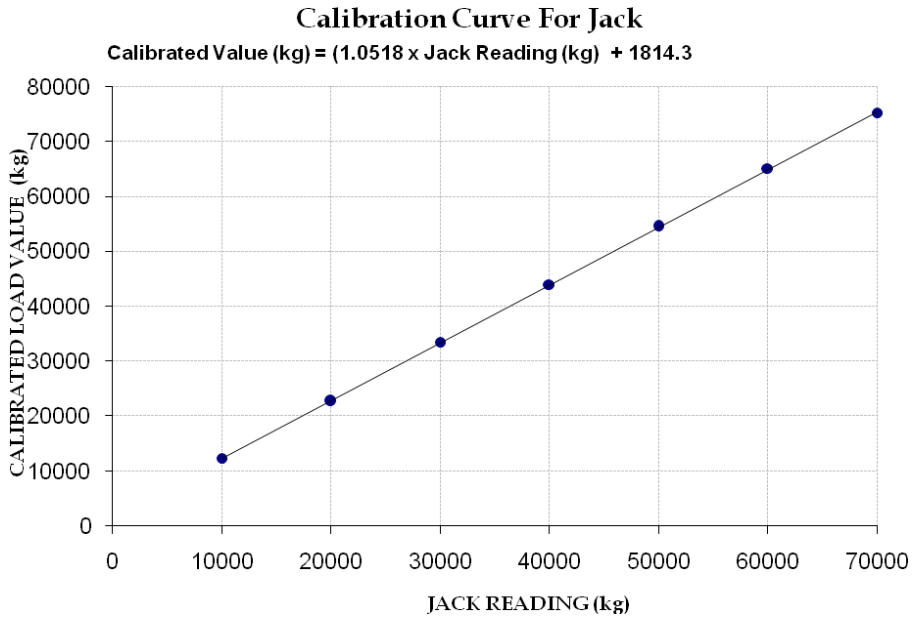
Assistant Director (QCD)
WASA, LDA, Lahore.
M/S. A.A Pipe Industries

Subject: **- CALIBRATION OF HYDRAULIC JACK (MARK: TFL/04/6814)** (Page -1/1)

Reference to your Letter No. QCD/1440, dated: 07/04/2025 on the subject cited above. One Hydraulic Jack with gauge as received by us has been calibrated. The results are tabulated as under:

Total Range : Zero - 70000 (kg)
Calibrated Range : Zero - 75200 (kg)

Hydraulic Jack Reading (kg)	10000	20000	30000	40000	50000	60000	70000
Calibrated Load (kg)	12300	22700	33500	43900	54500	65100	75200



Test Performed and Verified by:

To,
Muhammad Bilal Qadri
J-Habib International
Upgradation of Sewrage and Construction of Waste Water Treatment Plant (WWTP) Jaranwala City

Reference # CED/TFL **6815** (Dr. Usman Akmal) Dated: 18-03-2025
Reference of the request letter # MMP/1095/JARAWALA/SEW/48/2025 Dated: 18-03-2025

Tension Test Report

(Page-1/2)

Date of Test 27-03-2025
Gauge Length 2 inches
Description Angle Iron Steel 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	L 3×3×3/8	26.70 x 9.20	245.64	8200	13600	327.5	543.1	0.8	40.0	-
2	L 3×3×3/8	26.90 x 8.90	239.41	8000	13200	327.8	540.9	0.7	35.0	-
3	L 4×4×1/2	26.70 x 11.70	312.39	17400	21300	546.4	668.9	0.8	40.0	-
4	L 4×4×1/2	26.70 x 12.70	339.09	17900	21600	517.9	624.9	0.8	40.0	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
Note: Only 4 Samples for Tensile and 2 Samples for Bend test										

Bend Test
L 3×3×3/8 Strip Bend Test Through 180 Degree is Satisfactory
L 4×4×1/2 Strip Bend Test Through 180 Degree is Satisfactory

Test Performed and Verified by:

To,
Muhammad Bilal Qadri
J-Habib International

Reference # CED/TFL **6815** (Dr. Usman Akmal) Dated: 15-04-2025
Reference of the request letter # Nil Dated: 14-04-2025

Tension Test Report (Page – 1/1)

Date of Test 16-04-2025
Gauge length 2 inches
Description Strip Tensile Test (Weld Joint)

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	**Strip**	**25.30x12.10**	**306.13**	**-**	**14400**	**-**	**461**	**0.60**	**30.00**	**Out of weld Failure**
2	**Strip**	**25.20x12.20**	**307.44**	**-**	**14400**	**-**	**459**	**0.70**	**35.00**	**Out of weld Failure**
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
Only Two Samples for Tensile and Two Samples for Bend Test										
Bend Test										
Strip Bend Test Through 180º is Satisfactory (Root)										
Strip Bend Test Through 180º is Satisfactory (Face)										

Test Performed and Verified by:

To,

Sohaib Awais (Resident Engineer)
NESPAK Pvt. Ltd.
Infrastructure Development at Chahar Bagh Phase-II (Kamran Steel)

Reference # CED/TFL **6816** (Dr. Usman Akmal) Dated: 15-04-2025
Reference of the request letter # 4841/13/SA/05/16 Dated: 23-01-2025

Tension Test Report (Page-1/1)

Date of Test 16-04-2025
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	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
				Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	**0.364**	**3**	**0.369**	**0.110**	**0.107**	**3300**	**4400**	**66120**	**68051**	**88160**	**90735**	**0.8**	**10.0**	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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,

Material Engineer
NESPAK Pvt. Ltd.
Waste Water Treatment Plant (WWTP) in North Zone Sahiwal (Siraj Steel)

Reference # CED/TFL **6818** (Dr. Usman Akmal) Dated: 15-04-2025
Reference of the request letter # 3976/11/MSS/SWL/WWTP/01/1208 Dated: 08-04-2025

Tension Test Report (Page-1/2)

Date of Test 16-04-2025
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	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
				Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.382	3	0.378	0.110	0.112	3600	5400	72131	70604	108196	105906	1	12.5	3/8"
2	0.385	3	0.380	0.110	0.113	3300	5100	66120	64271	102185	99328	1.4	17.5	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:

To,

Muhammad Shabbir Sandhu (Material Engineer)
NESPAK Pvt. Ltd.
Waste Water Treatment Plant (WWTP) in North Zone Sahiwal (Sheikhu Steel)

Reference # CED/TFL **6818** (Dr. Usman Akmal) Dated: 15-04-2025
Reference of the request letter # 3976/11/MSS/SWL/WWTP/01/1122 Dated: 11-03-2025

Tension Test Report (Page-2/2)

Date of Test 16-04-2025
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	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
				Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	**0.410**	**3**	**0.392**	**0.110**	**0.121**	**3500**	**5000**	**70127**	**63969**	**100182**	**91385**	**1.6**	**20.0**	-
2	**0.411**	**3**	**0.392**	**0.110**	**0.121**	**3600**	**5000**	**72131**	**65659**	**100182**	**91193**	**1.6**	**20.0**	**-**
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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,

Resident Engineer
Metroplan-Asian (JV), Site Office, NSICTR, Package-B&C, Lahore
Establishment of Nawaz Sharif Institute of Cancer Treatment & Research, Lahore Phase-1 (Package-B)
Kamran Steel (Heat # APR-39)

Reference # CED/TFL **6819** (Dr. Usman Akmal) Dated: 15-04-2025
Reference of the request letter # Metroplan-Asian(JV)/NSICTR/RE-B&C/B/22 Dated: 14-04-2025

Tension Test Report

(Page-1/2)

Date of Test 16-04-2025
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	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
				Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	**0.370**	**3**	**0.372**	**0.110**	**0.109**	**3600**	**4800**	**72131**	**72946**	**96175**	**97261**	**1**	**12.5**	-
2	**0.357**	**3**	**0.365**	**0.110**	**0.105**	**3200**	**4500**	**64116**	**67226**	**90164**	**94537**	**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,

Resident Engineer
Metroplan-Asian (JV), Site Office, NSICTR, Package-B&C, Lahore
Establishment of Nawaz Sharif Institute of Cancer Treatment & Research, Lahore Phase-1 (Package-B)
Kamran Steel (Heat # APR-39)

Reference # CED/TFL **6819** (Dr. Usman Akmal) Dated: 15-04-2025
Reference of the request letter # Metroplan-Asian(JV)/NSICTR/RE-B&C/B/22 Dated: 14-04-2025

Tension Test Report

(Page-1/2)

Date of Test 16-04-2025
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	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
				Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	**0.370**	**3**	**0.372**	**0.110**	**0.109**	**3600**	**4800**	**72131**	**72946**	**96175**	**97261**	**1**	**12.5**	-
2	**0.357**	**3**	**0.365**	**0.110**	**0.105**	**3200**	**4500**	**64116**	**67226**	**90164**	**94537**	**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,
Resident Engineer
Metroplan-Asian JV, Site Office NSICTR, Phase-1 Pkg (B&C)
Establishment of Nawaz Sharif Institute of Cancer Treatment & Research, Lahore Phase-1 (Package-C)

Reference # CED/TFL **6820** (Dr. Usman Akmal) Dated: 15-04-2025
Reference of the request letter # MetroplanAsianJV-NSICTR-(PKG-C)-RE-231 Dated: 14-04-2025

Tension Test Report (Page – 1/1)

Date of Test 16-04-2025
Gauge length 2 inches
Description Base Plate

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	**Base Plate**	**19.60x13.00**	**254.80**	**8200**	**12300**	**316**	**474**	**0.60**	**30.00**	**-**
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
Only One Sample for Tensile Test										
Bend Test										

Test Performed and Verified by: