

To,

Mr. Akash Shahzad Khan (XEN)

GE (Army)-II Okara

Const of 1 x 6 x Sldr Flats (G+2) Block No.1, 701 Regl Wksp EME at Oka Cantt-CEA-CA-55/2025

Reference # CED/TFL **7163** (Dr. Ali Ahmad)

Dated: 01-07-2025

Reference of the request letter # 6000/Gen/17/E-6

Dated: 16-06-2025

Tension Test Report (Page-1/1)

Date of Test 03-07-2025

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	0.367	3	0.370	0.110	0.108	26.00	36.50	53115	54237	74566	76140	1.5	18.8	3"/8 (G-40)
2	0.367	3	0.371	0.110	0.108	25.50	36.50	52094	53108	74566	76017	1.4	17.5	3"/8 (G-40)
3	0.373	3	0.373	0.110	0.109	31.2	48	63739	64042	98059	98527	1.2	15.0	3"/8 (G-60)
4	0.385	3	0.379	0.110	0.113	32.2	50.5	65781	64021	103166	100405	1.4	17.5	3"/8 (G-60)
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 4 Samples for Tensile and 2 Samples for Bend test														

Bend Test

3 Bar Bend Test Through 180 Degree is Satisfactory

3 Bar Bend Test Through 180 Degree is Satisfactory

Test Performed and Verified by:

To,
 Syed Talal Tariq (Senior Portfolio Manager)
 IK Associates
 Construction of HMB Building Jail Road Faisalabad

Reference # CED/TFL 7164 (Dr. Ali Ahmad)
 Reference of the request letter # IKA/HMB/S.T/03/2025

Dated: 01-07-2025
 Dated: 01-07-2025

Tension Test Report (Page-1/1)

Date of Test 03-07-2025
 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	0.375	3	0.374	0.110	0.11	35.20	46.50	71910	71849	94995	94914	1.1	13.8	3"/8
2	0.376	3	0.375	0.110	0.111	35.50	46.00	72523	72112	93973	93441	1.1	13.8	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,
 Mr. Muhammad Ibrar (Project Manager)
 Innovative Construction Company
 Shoring Works at Kingdom Arena, RUDA, Lahore

Reference # CED/TFL 7165 (Dr. Ali Ahmad)
 Reference of the request letter # ICI/Ruda/02

Dated: 01-07-2025
 Dated: 01-07-2025

Tension Test Report (Page-1/1)

Date of Test 03-07-2025
 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	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.362	3	0.368	0.110	0.107	31.20	39.50	63739	65826	80695	83338	1.2	15.0	-
2	0.360	3	0.367	0.110	0.106	37.00	44.50	75587	78691	90909	94641	1.0	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,

Team Leader (Enviro Consult)
Enviro Consult (SMC-Pvt) Ltd.
Design of Solarization of Sub-Projects and Resident Supervision in 10 Out of 16 Cities in Punjab
Solarization of Disposal Stations in Kamoke City

Reference # CED/TFL 7166 (Dr. Ali Ahmad)

Dated: 01-07-2025

Reference of the request letter # ENVIRO/PMDF/SOLAR/334/2025/62(a)

Dated: 11-06-2025

Tension Test Report (Page-1/1)

Date of Test 03-07-2025

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	0.369	3	0.372	0.110	0.109	35.70	47.00	72932	73908	96016	97302	1.3	16.3	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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,
 Procurement Manager
 Premier Developers & Builders
 Lyallpur Galleria Near Four Season Colony Samundari Road, Faisalabad
 Hunza Steel

Reference # CED/TFL 7167 (Dr. Ali Ahmad)
 Reference of the request letter # LG-II/049

Dated: 02-07-2025
 Dated: 27-06-2025

Tension Test Report (Page-1/1)

Date of Test 03-07-2025
 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	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.362	3	0.368	0.110	0.106	28.70	40.20	58631	60652	82125	84955	1.5	18.8	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:

To,
 Mr. Adnan Jamil (Civil Engineer)
 National Management Foundation
 Construction of "Yusuf Shirazi Complex" at LUMS Campus

Reference # CED/TFL 7168 (Dr. Ali Ahmad)
 Reference of the request letter # NMF/GM/C-39/887

Dated: 02-07-2025
 Dated: 01-07-2025

Tension Test Report (Page-1/1)

Date of Test 03-07-2025
 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	0.368	10	0.371	0.120	0.108	33.20	48.20	62172	69031	90262	100219	1.3	16.3	-
2	0.364	10	0.369	0.120	0.107	33.00	47.00	61798	69272	88015	98660	1.4	17.5	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 2 Samples for Tensile and 1 Samples for Bend test														

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

Test Performed and Verified by:

To,
 Mr. Zaheer uz Zaman (Site Incharge)
 Naturals Farms
 Mughal Steel

Reference # CED/TFL 7169 (Dr. Ali Ahmad)
 Reference of the request letter # Nil

Dated: 02-07-2025
 Dated: 02-07-2025

Tension Test Report (Page-1/1)

Date of Test 03-07-2025
 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	0.372	3	0.373	0.110	0.109	41.50	49.00	84780	85365	100102	100792	0.7	8.8	-
2	0.371	3	0.373	0.110	0.109	36.00	45.50	73544	74220	92952	93806	0.7	8.8	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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. Faisal Bhatti (PM Project)
 Ittefaq Building Solutions (Pvt.) Ltd.
 Haider Saeed Commercial, Lahore
 Kmaran Steel

Reference # CED/TFL 7170 (Dr. Ali Ahmad)
 Reference of the request letter # Nil

Dated: 02-07-2025
 Dated: 02-07-2025

Tension Test Report (Page-1/1)
 Date of Test 03-07-2025
 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	0.366	3	0.370	0.110	0.107	29.20	42.50	59653	61080	86823	88900	1.4	17.5	-
2	0.393	3	0.384	0.110	0.116	34.70	48.50	70889	67469	99081	94301	1.2	15.0	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 2 Samples for Tensile and 0 Samples for Bend test														

Bend Test														

Test Performed and Verified by:

To,
Mr. Liaqat Ali (Manager QA/QC)
Banu Mukhtar Steel (Pvt.) Ltd. Lahore
-

Reference # CED/TFL
Reference of the request letter #

7171 (Dr. Ali Ahmad)
BMSQA.QC-001/25

Dated: 02-07-2025
Dated: 02-07-2025

Tension Test Report (Page-1/6)

Date of Test 03-07-2025
Gauge Length 2 inches
Description HR Plates 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	4 mm	3.90 x 31.10	121.29	4640	6290	375.3	508.7	0.6	30.0	TT01
2	4 mm	4.00 x 31.00	124.00	4650	6290	367.9	497.6	0.6	30.0	TT02
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
Note: Only 2 Samples for Tensile and 0 Samples for Bend test										

Bend Test

Test Performed and Verified by:

To,
 Mr. Liaqat Ali (Manager QA/QC)
 Banu Mukhtar Steel (Pvt.) Ltd. Lahore
 -

Reference # CED/TFL 7171 (Dr. Ali Ahmad)
 Reference of the request letter # BMSQA.QC-002/25

Dated: 02-07-2025
 Dated: 02-07-2025

Tension Test Report (Page-2/6)

Date of Test 03-07-2025
 Gauge Length 2 inches
 Description HR Plates 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	5 mm	5.00 x 31.50	157.50	5120	7770	318.9	484.0	0.7	35.0	TT01
2	5 mm	5.00 x 31.10	155.50	5420	7720	341.9	487.0	0.7	35.0	TT02
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
Note: Only 2 Samples for Tensile and 0 Samples for Bend test										

Bend Test

Test Performed and Verified by:

To,
Mr. Liaqat Ali (Manager QA/QC)
Banu Mukhtar Steel (Pvt.) Ltd. Lahore
-

Reference # CED/TFL

7171 (Dr. Ali Ahmad)

Dated: 02-07-2025

Reference of the request letter #

BMSQA.QC-003/25

Dated: 02-07-2025

Tension Test Report

(Page-3/6)

Date of Test 03-07-2025

Gauge Length 2 inches

Description HR Plates 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	6 mm	6.00 x 31.00	186.00	6440	10780	339.7	568.6	0.6	30.0	TT01
2	6 mm	6.10 x 31.30	190.93	6520	11080	335.0	569.3	0.7	35.0	TT02
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
Note: Only 2 Samples for Tensile and 0 Samples for Bend test										

Bend Test

Test Performed and Verified by:

To,
Mr. Liaqat Ali (Manager QA/QC)
Banu Mukhtar Steel (Pvt.) Ltd. Lahore
-

Reference # CED/TFL
Reference of the request letter #

7171 (Dr. Ali Ahmad)
BMSQA.QC-004/25

Dated: 02-07-2025
Dated: 02-07-2025

Tension Test Report (Page-4/6)

Date of Test 03-07-2025
Gauge Length 2 inches
Description HR Plates 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	8 mm	8.10 x 31.00	251.10	9580	13860	374.3	541.5	0.7	35.0	TT01
2	8 mm	8.10 x 31.30	253.53	9540	14120	369.1	546.4	0.7	35.0	TT02
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
Note: Only 2 Samples for Tensile and 0 Samples for Bend test										

Bend Test

Test Performed and Verified by:

To,
Mr. Liaqat Ali (Manager QA/QC)
Banu Mukhtar Steel (Pvt.) Ltd. Lahore

Reference # CED/TFL
Reference of the request letter #

7171 (Dr. Ali Ahmad)
BMSQA.QC-005/25

Dated: 02-07-2025
Dated: 02-07-2025

Tension Test Report (Page-5/6)

Date of Test 03-07-2025
Gauge Length 2 inches
Description HR Plates 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	10 mm	10.00 x 31.20	312.00	12860	17400	404.3	547.1	0.9	45.0	TT01
2	10 mm	10.00 x 31.00	310.00	13250	17380	419.3	550.0	0.8	40.0	TT02
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
Note: Only 2 Samples for Tensile and 0 Samples for Bend test										

Bend Test

Test Performed and Verified by:

To,
Mr. Liaqat Ali (Manager QA/QC)
Banu Mukhtar Steel (Pvt.) Ltd. Lahore
-

Reference # CED/TFL
Reference of the request letter #

7171 (Dr. Ali Ahmad)
BMSQA.QC-006/25

Dated: 02-07-2025
Dated: 02-07-2025

Tension Test Report (Page-6/6)

Date of Test 03-07-2025
Gauge Length 2 inches
Description HR Plates 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	12 mm	12.00 x 31.50	378.00	14170	19670	367.7	510.5	0.8	40.0	TT01
2	12 mm	12.00 x 31.10	373.20	14230	19690	374.1	517.6	0.8	40.0	TT02
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
Note: Only 2 Samples for Tensile and 0 Samples for Bend test										

Bend Test

Test Performed and Verified by:

To,
Mr. Hamid W. Malik
S.S. Feed Mills (Pvt.) Ltd.
-

Reference # CED/TFL 7172 (Dr. Ali Ahmad)
Reference of the request letter # Nil

Dated: 02-07-2025
Dated: 25-06-2025

Tension Test Report (Page-1/1)

Date of Test 03-07-2025
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	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.377	3	0.376	0.110	0.111	33.00	47.00	67416	66857	96016	95221	1.3	16.3	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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,

Mr. Rahmat Ali (Chief Executive)
G.T Traders Burewala, Vehari
FS Karachi

Reference # CED/TFL 7175 (Dr. Ali Ahmad)
Reference of the request letter # Nil

Dated: 03-07-2025
Dated: 03-07-2025

Tension Test Report (Page-1/1)

Date of Test 03-07-2025
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	0.395	3	0.384	0.110	0.116	30.50	46.00	62308	59120	93973	89165	1.5	18.8	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:

To,

Mr. Xue Feiyang (Deputy Manager)

Power China Speco1 Electric Power Construction Co., Ltd.

Extension Works (1x600MVA) and Augmentation Works (3x160 to 3x250MVA) at at 500KV Nokhar
Grid Station (LOT-1) (Witness by: Mr. Sohaib Ali, Nespak)

Reference # CED/TFL 7177 (Dr. Nauman Khurram)

Dated: 03-07-2025

Reference of the request letter # WB-10A-GS-SEPCO1-588

Dated: 02-07-2025

Tension Test Report

(Page-1/1)

Date of Test 03-07-2025

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	0.404	10	0.389	0.120	0.119	35.50	53.70	66479	67248	100562	101724	1.3	16.3	Aziz Steel
2	0.404	10	0.389	0.120	0.119	35.70	54.20	66854	67589	101498	102614	1.1	13.8	Aziz Steel
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 2 Samples for Tensile and 2 Samples for Bend test														

Bend Test

10mm Bar Bend Test Through 180 Degree is Satisfactory

10mm Bar Bend Test Through 180 Degree is Satisfactory

Test Performed and Verified by:

To,
 Mr. Muhammad Qasim (Project Manager)
 Alwasal Traders & Consultants
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Reference # CED/TFL	7178 (Dr. Rizwan Riaz)	Dated: 03-07-2025
Reference of the request letter #	UET/25001	Dated: 02-07-2025

Tension Test Report (Page-1/1)
 Date of Test 03-07-2025
 Gauge Length 2 inches
 Description Steel Plate 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	13mm	12.70 x 13.00	165.10	6420	11440	381.5	679.7	0.6	30.0	Steel Plate
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test										

Bend Test										

Test Performed and Verified by: