To,

Mr. Muhammad Arshad (Senior Manager QA/QC)
Banu Mukhtar Products (Pvt.) Ltd.

Reference # CED/TFL **7082** (Dr. M. Kashif) Dated: 13-06-2025
Reference of the request letter # Nil Dated: 13-06-2025

Tension Test Report (Page -1/2)

Date of Test 20-06-2025
Gauge length 600 mm
Description Steel Strand Tensile Test as per ASTM A-416-94a

Sr. No.	Nominal Diameter	Nominal Weight	Measured weight	Yield strength clause (6.3)		Breaking strength clause (6.2)		% Elongation	Remarks / Coil No.
	(mm)	(kg/1000m)	(kg/1000m)	(kg)	(kN)	(kg)	(kN)		
1	**12.70 (1/2")**	**780.0**	**778.0**	**16700**	**163.83**	**18000**	**176.58**	**>3.50**	**Coil No.1**
2	**12.70 (1/2")**	**780.0**	**779.0**	**16500**	**161.87**	**19700**	**193.26**	**>3.50**	**Coil No.2**
3	**12.70 (1/2")**	**780.0**	**780.0**	**17900**	**175.60**	**20200**	**198.16**	**>3.50**	**Coil No.S-1**
4	**12.70 (1/2")**	**780.0**	**786.0**	**18100**	**177.56**	**19500**	**191.30**	**>3.50**	**Coil No.S-2**
5	**12.70 (1/2")**	**780.0**	**780.0**	**18200**	**178.54**	**19700**	**193.26**	**>3.50**	**Coil No.A-3**
6	**12.70 (1/2")**	**780.0**	**777.0**	**18200**	**178.54**	**19800**	**194.24**	**>3.50**	**Coil No.A-5**
Only six samples for test									

Note:
1. Modulus of Elasticity is based on nominal steel area of the steel strand vide clause 13.3 of ASTM – A416a
2. Load versus percentage strain graphs are attached

Test Performed and Verified by:

To,

Mr. Muhammad Arshad (Senior Manager QA/QC)
Banu Mukhtar Products (Pvt.) Ltd.

Reference # CED/TFL **7082** (Dr. M. Kashif) Dated: 13-06-2025
Reference of the request letter # Nil Dated: 13-06-2025

Tension Test Report (Page -2/2)

Date of Test 20-06-2025
Gauge length 600 mm
Description Steel Strand Tensile Test as per ASTM A-416-94a

Sr. No.	Nominal Diameter	Nominal Weight	Measured weight	Yield strength clause (6.3)		Breaking strength clause (6.2)		% Elongation	Remarks / Coil No.
	(mm)	(kg/1000m)	(kg/1000m)	(kg)	(kN)	(kg)	(kN)		
7	**9.53 (3/8")**	**432.0**	**445**	**7900**	**77.50**	**8800**	**86.33**	**>3.50**	**Coil No. X**
8	**9.53 (3/8")**	**432.0**	**445**	**9100**	**89.27**	**10400**	**102.02**	**>3.50**	**Coil No. Y**
9	**9.53 (3/8")**	**432.0**	**440**	**9300**	**91.23**	**10400**	**102.02**	**>3.50**	**Coil No. Z**
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
Only three sample for test									

Note:
1. Modulus of Elasticity is based on nominal steel area of the steel strand vide clause 13.3 of ASTM – A416a
2. Load versus percentage strain graphs are attached

Test Performed and Verified by:

To,

Mr. M. Waseem Azhar (Assistant Director QCD)
WASA, Lahore
-

Reference # CED/TFL **7087** (Dr. M Kashif) Dated: 16-06-2025
Reference of the request letter # QCD/2646 Dated: 12-06-2025

Tension Test Report (Page-1/3)

Date of Test 20-06-2025
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	**0.378**	**3**	**0.376**	**0.110**	**0.111**	**31.50**	**49.70**	**64351**	**63777**	**101532**	**100627**	**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:

To,

Mr. M. Waseem Azhar (Assistant Director QCD)
WASA, Lahore
-

Reference # CED/TFL **7087** (Dr. M Kashif) Dated: 16-06-2025
Reference of the request letter # QCD/2647 Dated: 12-06-2025

Tension Test Report (Page-2/3)

Date of Test 20-06-2025
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**	**0.375**	**0.110**	**0.111**	**31.70**	**48.70**	**64760**	**64361**	**99489**	**98877**	**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:

To,

Mr. M. Waseem Azhar (Assistant Director QCD)
WASA, Lahore
-

Reference # CED/TFL **7087** (Dr. M Kashif) Dated: 16-06-2025
Reference of the request letter # QCD/1855 Dated: 25-04-2025

Tension Test Report (Page-3/3)

Date of Test 20-06-2025
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**	**32.20**	**49.00**	**65781**	**65291**	**100102**	**99357**	**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:

To,

Mr. Amjad Saeed (Resident Engineer)
Nespak Pvt. Ltd.
Restoration / Improvement of Tin Pulla to to Chamrail Jhall, Length = 21.71 KM, Tehsil Sammundari, District Faisalabad (GS-2008) (Prime Steel)

Reference # CED/TFL **7094** (Dr. M Kashif) Dated: 18-06-2025
Reference of the request letter # 4834/F/103/AS/06/656 Dated: 04-06-2025

Tension Test Report (Page-1/1)

Date of Test 20-06-2025
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	**0.380**	**3**	**0.377**	**0.110**	**0.112**	**34.00**	**45.70**	**69459**	**68505**	**93361**	**92078**	**1.5**	**18.8**	-
2	**0.379**	**3**	**0.376**	**0.110**	**0.111**	**28.50**	**42.20**	**58223**	**57579**	**86210**	**85257**	**1.5**	**18.8**	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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. Ammad Aslam (Assistant Engineer Civil)
GC University, Faisalabad
Construction of Academic Block No.07 at New Campus Government College University, Faisalabad (FF Steel)

Reference # CED/TFL **7097** (Dr. M Kashif) Dated: 19-06-2025
Reference of the request letter # GCUF/EC/7279 Dated: 05-05-2025

Tension Test Report (Page-1/1)

Date of Test 20-06-2025
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	**0.372**	**3**	**0.373**	**0.110**	**0.109**	**34.50**	**46.20**	**70480**	**70860**	**94382**	**94890**	**1.2**	**15.0**	-
2	**0.393**	**3**	**0.383**	**0.110**	**0.115**	**36.70**	**48.70**	**74974**	**71493**	**99489**	**94870**	**1.2**	**15.0**	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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,

Mr. M. Armughan Khan (Deputy Director QCD)
WASA, Lahore
To Establish Project-Specific Pipe Factory for Manufacturing of RCC Pipes
M/s. Eddco Construction (Pvt.) Ltd & Anem Construction Servics

Reference # CED/TFL **7098** (Dr. M Kashif) Dated: 19-06-2025
Reference of the request letter # QCD/2747 Dated: 17-06-2025

Tension Test Report

Date of Test 20-06-2025
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	**0.369**	**3**	**0.372**	**0.110**	**0.108**	**33.70**	**50.70**	**68846**	**69841**	**103575**	**105072**	**1.1**	**13.8**	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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,

Engr. Zohaib Abbas (Engineer Projects)
Ittefaq Construction Associates (Pvt.) Ltd.
Diagnostic Center for Mr. Manzoor A. Bhatti at Lahore

Reference # CED/TFL **7099** (Dr. M Kashif) Dated: 19-06-2025
Reference of the request letter # Nil Dated: 18-06-2025

Tension Test Report (Page-1/1)

Date of Test 20-06-2025
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	**0.368**	**3**	**0.371**	**0.110**	**0.108**	**38.70**	**50.20**	**79060**	**80484**	**102554**	**104401**	**0.8**	**10.0**	**3"/8**
2	**0.358**	**3**	**0.366**	**0.110**	**0.105**	**37.00**	**48.50**	**75587**	**79129**	**99081**	**103723**	**0.9**	**11.3**	**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. Sadaqat Ahmad (Resident Engineer)
Nespak (Pvt.) Ltd.
Establishment of 200 Bedded Mother and Child Hospital & Nursing College at District Bahawalpur

Reference # CED/TFL **7100** (Dr. M Kashif) Dated: 19-06-2025
Reference of the request letter # 4460/13/SA/04/488 Dated: 16-06-2025

Tension Test Report

(Page-1/4)

Date of Test 20-06-2025
Gauge Length 2 inches
Description MS Seamless Schedule Pipe 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"	7.90 x 24.50	193.55	6100	9100	309.2	461.2	0.7	35.0	-
2	8"	7.80 x 25.20	196.56	6400	9300	319.4	464.1	0.5	25.0	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
Note: Only 2 Samples for Tensile and 0 Samples for Bend test										

Bend Test

Test Performed and Verified by:

To,
Mr. Sadaqat Ahmad (Resident Engineer)
Nespak (Pvt.) Ltd.
Establishment of 200 Bedded Mother and Child Hospital & Nursing College at District Bahawalpur

Reference # CED/TFL **7100** (Dr. M. Kahif) Dated: 19-06-2025
Reference of the request letter # 4460/13/SA/04/488 Dated: 16-06-2025

Weight &Size Test Report (Page – 2/4)

Date of Test 20-06-2025
Description Unit Weight and Size Test

Sr. No.	Designation	Weight	Length	Weight per Unit Length	Dia	Thickness	Remark
	(inch)	(g)	(mm)	(kg/m)	(mm)	(mm)	
1	**MS Seamless Pipe 8”**	**3092**	**75.8**	**40.79**	**218.6**	**7.90**	**-**
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
Only one sample for Test							

Test Performed and Verified by:

To,
Mr. Sadaqat Ahmad (Resident Engineer)
Nespak (Pvt.) Ltd.
Establishment of 200 Bedded Mother and Child Hospital & Nursing College at District Bahawalpur

Reference # CED/TFL **7100** (Dr. M Kashif) Dated: 19-06-2025
Reference of the request letter # 4460/13/SA/04/482 Dated: 30-05-2025

Tension Test Report

(Page-3/4)

Date of Test 20-06-2025
Gauge Length 2 inches
Description MS Seamless Schedule Pipe 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"	5.10 x 24.40	124.44	4900	6200	386.3	488.8	0.9	45.0	-
2	4"	5.00 x 24.10	120.50	4900	6200	398.9	504.7	0.7	35.0	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Note: Only 2 Samples for Tensile and 0 Samples for Bend test

Bend Test

Test Performed and Verified by:

To,
Mr. Sadaqat Ahmad (Resident Engineer)
Nespak (Pvt.) Ltd.
Establishment of 200 Bedded Mother and Child Hospital & Nursing College at District Bahawalpur

Reference # CED/TFL **7100** (Dr. M. Kahif) Dated: 19-06-2025
Reference of the request letter # 4460/13/SA/04/482 Dated: 30-05-2025

Weight &Size Test Report (Page – 4/4)

Date of Test 20-06-2025
Description Unit Weight and Size Test

Sr. No.	Designation	Weight	Length	Weight per Unit Length	Dia	Thickness	Remark
	(inch)	(g)	(mm)	(kg/m)	(mm)	(mm)	
1	**MS Seamless Pipe 4”**	**980**	**73.2**	**13.39**	**115.0**	**5.10**	**-**
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
Only one sample for Test							

Test Performed and Verified by:

To,

Mr. Muhammad Jamil Alam
Head Quality Assurance
FF Steel Ltd.
Overhead Crane

Reference # CED/TFL **7101** (Dr. M. Kashif) Dated: 19-06-2025
Reference of the request letter # Nil Dated: 19-06-2025

Tension Test Report (Page – 1/1)

Date of Test 20-06-2025
Description Steel Wire Rope Tensile Test

Sr. No.	Nominal Diameter	Measured weight			Breaking Load	Remarks / Coil No.
	(mm)	Weight (g)	Length (cm)	(kg/m)	(kg)	
1	**16**	**915**	**102.0**	**0.90**	**12200**	**-**
2	**18**	**1161**	**102.1**	**1.14**	**16000**	**-**
3	**20**	**1418**	**101.1**	**1.40**	**19900**	**-**
4	**28**	**3140**	**101.1**	**3.11**	**31600**	**-**
-	-	-			-	-
Only four samples for Test						

Test Performed and Verified by:

To,

Mr. Rajan Singh (Resident Engineer)
Asian Consulting Engineers (Pvt.) Ltd.
Construction of Cinema & Moving Theatre Safari Zoo Lahore

Reference # CED/TFL **7103** (Dr. M Kashif) Dated: 19-06-2025
Reference of the request letter # AsCE/IWE/CINE/RE/001/25 Dated: 19-06-2025

Tension Test Report (Page-1/1)

Date of Test 20-06-2025
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	**0.374**	**3**	**0.374**	**0.110**	**0.11**	**35.50**	**46.20**	**72523**	**72514**	**94382**	**94370**	**1.2**	**15.0**	**3"/8**
2	**0.373**	**3**	**0.374**	**0.110**	**0.11**	**36.20**	**46.50**	**73953**	**74135**	**94995**	**95229**	**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:

Ref: CED/TFL/06/7104 Dated: 19-06-2025

Dated: 20-06-2025 (Dr. Asif Hameed)

To

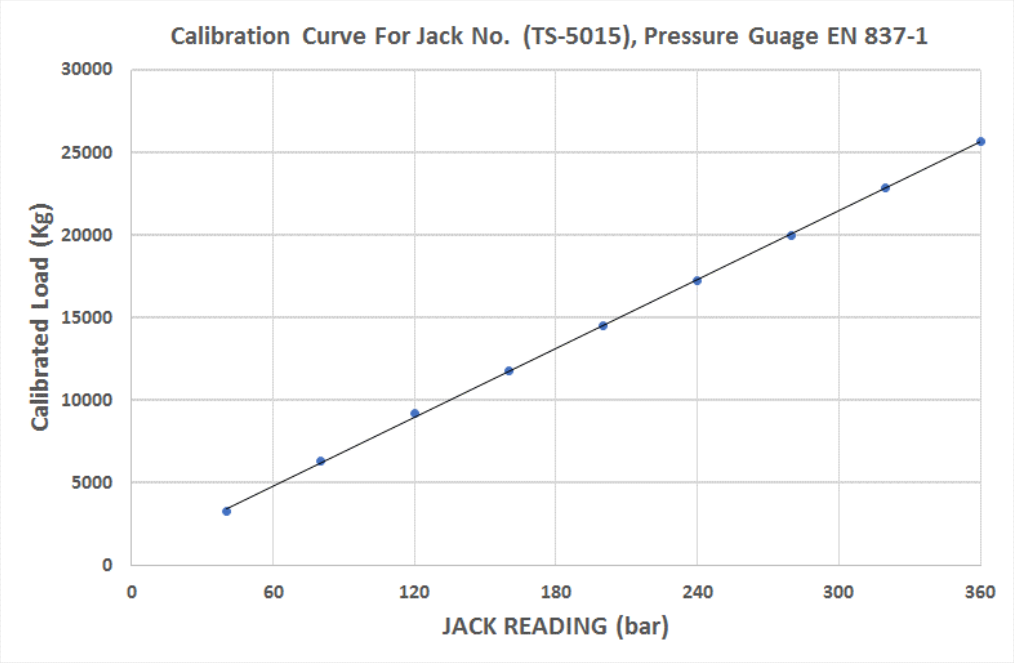
Mr. Muhammad Naeem Uddin (Managing Director)
Geo Crust

Subject: **- CALIBRATION OF HYDRAULIC JACK (MARK: TFL/06/7104)** (Page -1/1)

Reference to your Letter No. Nil, dated: 19/06/2025 on the subject cited above. One Hydraulic Jack (TS-5015) with Pressure Guage EN-837-1 as received by us has been calibrated. The results are tabulated as under:

Total Range : Zero - 1000 (bar)
Calibrated Range : Zero - 480 (bar)

Hydraulic Jack Reading (bar)	**40**	**80**	**120**	**160**	**200**	**240**	**280**	**320**	**360**
Calibrated Load (kg)	**3250**	**6300**	**9200**	**11750**	**14550**	**17250**	**20000**	**22900**	**25650**



Test Performed and Verified by:

To,

Engr. Sajjad Hashmi (GM QA/QC)
Vision Developers (Pvt.) Ltd.
Retaining Wall The Walk Plaza Park View City Lahore
(FF Steel)

Reference # CED/TFL **7105** (Dr. M Kashif) Dated: 19-06-2025
Reference of the request letter # Nil Dated: 19-06-2025

Tension Test Report (Page-1/2)

Date of Test 20-06-2025
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	**0.374**	**3**	**0.374**	**0.110**	**0.11**	**35.70**	**46.70**	**72932**	**73040**	**95403**	**95546**	**1.2**	**15.0**	-
2	**0.372**	**3**	**0.373**	**0.110**	**0.109**	**35.70**	**46.50**	**72932**	**73466**	**94995**	**95691**	**1.2**	**15.0**	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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,

Engr. Sajjad Hashmi (GM QA/QC)
Vision Developers (Pvt.) Ltd.
Retaining Wall The Walk Plaza Park View City Lahore
(FF Steel)

Reference # CED/TFL **7105** (Dr. M Kashif) Dated: 19-06-2025
Reference of the request letter # Nil Dated: 19-06-2025

Tension Test Report (Page-1/2)

Date of Test 20-06-2025
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	**0.374**	**3**	**0.374**	**0.110**	**0.11**	**35.70**	**46.70**	**72932**	**73040**	**95403**	**95546**	**1.2**	**15.0**	-
2	**0.372**	**3**	**0.373**	**0.110**	**0.109**	**35.70**	**46.50**	**72932**	**73466**	**94995**	**95691**	**1.2**	**15.0**	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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,

Mr. Nasir Mehmood (Construction Manager)
Elite Engineering (Pvt.) Ltd.
Sitara Serene Tower
Sheikhoo Steel

Reference # CED/TFL **7109** (Dr. M Kashif) Dated: 19-06-2025
Reference of the request letter # EEPL/08/EL-01 Dated: 19-06-2025

Tension Test Report (Page-1/2)

Date of Test 20-06-2025
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**	**0.375**	**0.110**	**0.111**	**35.20**	**46.50**	**71910**	**71436**	**94995**	**94369**	**1.0**	**12.5**	-
2	**0.369**	**3**	**0.371**	**0.110**	**0.108**	**34.50**	**46.00**	**70480**	**71561**	**93973**	**95415**	**1.3**	**16.3**	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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. Nasir Mehmood (Construction Manager)
Elite Engineering (Pvt.) Ltd.
Sitara Serene Tower
Sheikhoo Steel

Reference # CED/TFL **7109** (Dr. M Kashif) Dated: 19-06-2025
Reference of the request letter # EEPL/08/EL-01 Dated: 19-06-2025

Tension Test Report (Page-2/2)

Date of Test 20-06-2025
Gauge Length 8 inches
Description Plain 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	4.238	10	1.259	1.270	1.245	39800	54400	69070	70448	94408	96291	1.6	20.0	-
2	4.226	10	1.257	1.270	1.242	40600	54000	70459	72052	93713	95832	1.7	21.3	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 2 Samples for Tensile and 1 Samples for Bend test														

Bend Test
10 Bar Bend Test Through 180 Degree is Satisfactory

Test Performed and Verified by:

To,
Engr. Barkat Leghari (Structural and Design Engineer PSBA)
Punjab Sahulat Bazaars Authority, Govt. of the Punjab
Construction of Model Bazar Burewala

Reference # CED/TFL **7110** (Dr. M Kashif) Dated: 19-06-2025
Reference of the request letter # SE/PSBA/2/5/2025 Dated: 18-06-2025

Tension Test Report

(Page-1/2)

Date of Test 20-06-2025
Gauge Length 2 inches
Description G.I Purlins/Girts 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	**2mm**	**2.30 x 32.00**	**73.60**	**1500**	**2680**	**199.9**	**357.2**	**0.7**	**35.0**	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test										

Bend Test

Test Performed and Verified by:

To,
Engr. Barkat Leghari (Structural and Design Engineer PSBA)
Punjab Sahulat Bazaars Authority, Govt. of the Punjab
Construction of Model Bazar Burewala

Reference # CED/TFL **7110** (Dr. M Kashif) Dated: 19-06-2025
Reference of the request letter # SE/PSBA/2/5/2025 Dated: 18-06-2025

Tension Test Report

Date of Test 20-06-2025
Gauge Length 2 inches
Description G.I Purlins/Girts 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	6mm	5.90 x 32.20	189.98	5500	8600	284.0	444.1	0.8	40.0	-
2	8mm	8.20 x 32.00	262.40	7300	11800	272.9	441.2	0.8	40.0	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
Note: Only 2 Samples for Tensile and 0 Samples for Bend test										

Bend Test

Test Performed and Verified by:

To,

Engr. Sajjad Hashmi (GM QA/QC)
Vision Developers (Pvt.) Ltd.
Retaining Wall The Walk Plaza Park View City Lahore
(FF Steel)

Reference # CED/TFL **7105** (Dr. M Kashif) Dated: 19-06-2025
Reference of the request letter # Nil Dated: 19-06-2025

Tension Test Report (Page-1/2)

Date of Test 20-06-2025
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	**0.374**	**3**	**0.374**	**0.110**	**0.11**	**35.70**	**46.70**	**72932**	**73040**	**95403**	**95546**	**1.2**	**15.0**	-
2	**0.372**	**3**	**0.373**	**0.110**	**0.109**	**35.70**	**46.50**	**72932**	**73466**	**94995**	**95691**	**1.2**	**15.0**	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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,

Mr. Qasim Ali (Projects Director)
GIBS Builders Developers Multan
Construction of Shell Structure & Loading Dock (Vision)

Reference # CED/TFL **7113** (Dr. M Kashif) Dated: 20-06-2025
Reference of the request letter # Nil Dated: 19-06-2025

Tension Test Report (Page-1/1)

Date of Test 20-06-2025
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	0.369	3	0.372	0.110	0.108	37.00	48.50	75587	76702	99081	100542	1.1	13.8	3"/8
2	0.371	3	0.373	0.110	0.109	37.00	48.50	75587	76247	99081	99945	1.0	12.5	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,

Mr. Muhammad Arshad (Senior Manager QA/QC)
Banu Mukhtar Products (Pvt.) Ltd.

Reference # CED/TFL **7082** (Dr. M. Kashif) Dated: 13-06-2025
Reference of the request letter # Nil Dated: 13-06-2025

Tension Test Report (Page -1/2)

Date of Test 20-06-2025
Gauge length 600 mm
Description Steel Strand Tensile Test as per ASTM A-416-94a

Sr. No.	Nominal Diameter	Nominal Weight	Measured weight	Yield strength clause (6.3)		Breaking strength clause (6.2)		% Elongation	Remarks / Coil No.
	(mm)	(kg/1000m)	(kg/1000m)	(kg)	(kN)	(kg)	(kN)		
1	**12.70 (1/2")**	**780.0**	**778.0**	**16700**	**163.83**	**18000**	**176.58**	**>3.50**	**Coil No.1**
2	**12.70 (1/2")**	**780.0**	**779.0**	**16500**	**161.87**	**19700**	**193.26**	**>3.50**	**Coil No.2**
3	**12.70 (1/2")**	**780.0**	**780.0**	**17900**	**175.60**	**20200**	**198.16**	**>3.50**	**Coil No.S-1**
4	**12.70 (1/2")**	**780.0**	**786.0**	**18100**	**177.56**	**19500**	**191.30**	**>3.50**	**Coil No.S-2**
5	**12.70 (1/2")**	**780.0**	**780.0**	**18200**	**178.54**	**19700**	**193.26**	**>3.50**	**Coil No.A-3**
6	**12.70 (1/2")**	**780.0**	**777.0**	**18200**	**178.54**	**19800**	**194.24**	**>3.50**	**Coil No.A-5**
Only six samples for test									

Note:
1. Modulus of Elasticity is based on nominal steel area of the steel strand vide clause 13.3 of ASTM – A416a
2. Load versus percentage strain graphs are attached

Test Performed and Verified by:

To,

Mr. Muhammad Arshad (Senior Manager QA/QC)
Banu Mukhtar Products (Pvt.) Ltd.

Reference # CED/TFL **7082** (Dr. M. Kashif) Dated: 13-06-2025
Reference of the request letter # Nil Dated: 13-06-2025

Tension Test Report (Page -2/2)

Date of Test 20-06-2025
Gauge length 600 mm
Description Steel Strand Tensile Test as per ASTM A-416-94a

Sr. No.	Nominal Diameter	Nominal Weight	Measured weight	Yield strength clause (6.3)		Breaking strength clause (6.2)		% Elongation	Remarks / Coil No.
	(mm)	(kg/1000m)	(kg/1000m)	(kg)	(kN)	(kg)	(kN)		
7	**9.53 (3/8")**	**432.0**	**445**	**7900**	**77.50**	**8800**	**86.33**	**>3.50**	**Coil No. X**
8	**9.53 (3/8")**	**432.0**	**445**	**9100**	**89.27**	**10400**	**102.02**	**>3.50**	**Coil No. Y**
9	**9.53 (3/8")**	**432.0**	**440**	**9300**	**91.23**	**10400**	**102.02**	**>3.50**	**Coil No. Z**
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
Only three sample for test									

Note:
1. Modulus of Elasticity is based on nominal steel area of the steel strand vide clause 13.3 of ASTM – A416a
2. Load versus percentage strain graphs are attached

Test Performed and Verified by:

To,

Mr. M. Waseem Azhar (Assistant Director QCD)
WASA, Lahore
-

Reference # CED/TFL **7087** (Dr. M Kashif) Dated: 16-06-2025
Reference of the request letter # QCD/2646 Dated: 12-06-2025

Tension Test Report (Page-1/3)

Date of Test 20-06-2025
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	**0.378**	**3**	**0.376**	**0.110**	**0.111**	**31.50**	**49.70**	**64351**	**63777**	**101532**	**100627**	**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:

To,

Mr. M. Waseem Azhar (Assistant Director QCD)
WASA, Lahore
-

Reference # CED/TFL **7087** (Dr. M Kashif) Dated: 16-06-2025
Reference of the request letter # QCD/2647 Dated: 12-06-2025

Tension Test Report (Page-2/3)

Date of Test 20-06-2025
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**	**0.375**	**0.110**	**0.111**	**31.70**	**48.70**	**64760**	**64361**	**99489**	**98877**	**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:

To,

Mr. M. Waseem Azhar (Assistant Director QCD)
WASA, Lahore
-

Reference # CED/TFL **7087** (Dr. M Kashif) Dated: 16-06-2025
Reference of the request letter # QCD/1855 Dated: 25-04-2025

Tension Test Report (Page-3/3)

Date of Test 20-06-2025
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**	**32.20**	**49.00**	**65781**	**65291**	**100102**	**99357**	**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:

To,

Mr. Amjad Saeed (Resident Engineer)
Nespak Pvt. Ltd.
Restoration / Improvement of Tin Pulla to to Chamrail Jhall, Length = 21.71 KM, Tehsil Sammundari, District Faisalabad (GS-2008) (Prime Steel)

Reference # CED/TFL **7094** (Dr. M Kashif) Dated: 18-06-2025
Reference of the request letter # 4834/F/103/AS/06/656 Dated: 04-06-2025

Tension Test Report (Page-1/1)

Date of Test 20-06-2025
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	**0.380**	**3**	**0.377**	**0.110**	**0.112**	**34.00**	**45.70**	**69459**	**68505**	**93361**	**92078**	**1.5**	**18.8**	-
2	**0.379**	**3**	**0.376**	**0.110**	**0.111**	**28.50**	**42.20**	**58223**	**57579**	**86210**	**85257**	**1.5**	**18.8**	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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. Ammad Aslam (Assistant Engineer Civil)
GC University, Faisalabad
Construction of Academic Block No.07 at New Campus Government College University, Faisalabad (FF Steel)

Reference # CED/TFL **7097** (Dr. M Kashif) Dated: 19-06-2025
Reference of the request letter # GCUF/EC/7279 Dated: 05-05-2025

Tension Test Report (Page-1/1)

Date of Test 20-06-2025
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	**0.372**	**3**	**0.373**	**0.110**	**0.109**	**34.50**	**46.20**	**70480**	**70860**	**94382**	**94890**	**1.2**	**15.0**	-
2	**0.393**	**3**	**0.383**	**0.110**	**0.115**	**36.70**	**48.70**	**74974**	**71493**	**99489**	**94870**	**1.2**	**15.0**	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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,

Mr. M. Armughan Khan (Deputy Director QCD)
WASA, Lahore
To Establish Project-Specific Pipe Factory for Manufacturing of RCC Pipes
M/s. Eddco Construction (Pvt.) Ltd & Anem Construction Servics

Reference # CED/TFL **7098** (Dr. M Kashif) Dated: 19-06-2025
Reference of the request letter # QCD/2747 Dated: 17-06-2025

Tension Test Report

Date of Test 20-06-2025
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	**0.369**	**3**	**0.372**	**0.110**	**0.108**	**33.70**	**50.70**	**68846**	**69841**	**103575**	**105072**	**1.1**	**13.8**	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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,

Engr. Zohaib Abbas (Engineer Projects)
Ittefaq Construction Associates (Pvt.) Ltd.
Diagnostic Center for Mr. Manzoor A. Bhatti at Lahore

Reference # CED/TFL **7099** (Dr. M Kashif) Dated: 19-06-2025
Reference of the request letter # Nil Dated: 18-06-2025

Tension Test Report (Page-1/1)

Date of Test 20-06-2025
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	**0.368**	**3**	**0.371**	**0.110**	**0.108**	**38.70**	**50.20**	**79060**	**80484**	**102554**	**104401**	**0.8**	**10.0**	**3"/8**
2	**0.358**	**3**	**0.366**	**0.110**	**0.105**	**37.00**	**48.50**	**75587**	**79129**	**99081**	**103723**	**0.9**	**11.3**	**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. Sadaqat Ahmad (Resident Engineer)
Nespak (Pvt.) Ltd.
Establishment of 200 Bedded Mother and Child Hospital & Nursing College at District Bahawalpur

Reference # CED/TFL **7100** (Dr. M Kashif) Dated: 19-06-2025
Reference of the request letter # 4460/13/SA/04/488 Dated: 16-06-2025

Tension Test Report

(Page-1/4)

Date of Test 20-06-2025
Gauge Length 2 inches
Description MS Seamless Schedule Pipe 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"	7.90 x 24.50	193.55	6100	9100	309.2	461.2	0.7	35.0	-
2	8"	7.80 x 25.20	196.56	6400	9300	319.4	464.1	0.5	25.0	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
Note: Only 2 Samples for Tensile and 0 Samples for Bend test										

Bend Test

Test Performed and Verified by:

To,
Mr. Sadaqat Ahmad (Resident Engineer)
Nespak (Pvt.) Ltd.
Establishment of 200 Bedded Mother and Child Hospital & Nursing College at District Bahawalpur

Reference # CED/TFL **7100** (Dr. M. Kahif) Dated: 19-06-2025
Reference of the request letter # 4460/13/SA/04/488 Dated: 16-06-2025

Weight &Size Test Report (Page – 2/4)

Date of Test 20-06-2025
Description Unit Weight and Size Test

Sr. No.	Designation	Weight	Length	Weight per Unit Length	Dia	Thickness	Remark
	(inch)	(g)	(mm)	(kg/m)	(mm)	(mm)	
1	**MS Seamless Pipe 8”**	**3092**	**75.8**	**40.79**	**218.6**	**7.90**	**-**
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
Only one sample for Test							

Test Performed and Verified by:

To,
Mr. Sadaqat Ahmad (Resident Engineer)
Nespak (Pvt.) Ltd.
Establishment of 200 Bedded Mother and Child Hospital & Nursing College at District Bahawalpur

Reference # CED/TFL **7100** (Dr. M Kashif) Dated: 19-06-2025
Reference of the request letter # 4460/13/SA/04/482 Dated: 30-05-2025

Tension Test Report

(Page-3/4)

Date of Test 20-06-2025
Gauge Length 2 inches
Description MS Seamless Schedule Pipe 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"	5.10 x 24.40	124.44	4900	6200	386.3	488.8	0.9	45.0	-
2	4"	5.00 x 24.10	120.50	4900	6200	398.9	504.7	0.7	35.0	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Note: Only 2 Samples for Tensile and 0 Samples for Bend test

Bend Test

Test Performed and Verified by:

To,
Mr. Sadaqat Ahmad (Resident Engineer)
Nespak (Pvt.) Ltd.
Establishment of 200 Bedded Mother and Child Hospital & Nursing College at District Bahawalpur

Reference # CED/TFL **7100** (Dr. M. Kahif) Dated: 19-06-2025
Reference of the request letter # 4460/13/SA/04/482 Dated: 30-05-2025

Weight &Size Test Report (Page – 4/4)

Date of Test 20-06-2025
Description Unit Weight and Size Test

Sr. No.	Designation	Weight	Length	Weight per Unit Length	Dia	Thickness	Remark
	(inch)	(g)	(mm)	(kg/m)	(mm)	(mm)	
1	**MS Seamless Pipe 4”**	**980**	**73.2**	**13.39**	**115.0**	**5.10**	**-**
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
Only one sample for Test							

Test Performed and Verified by:

To,

Mr. Muhammad Jamil Alam
Head Quality Assurance
FF Steel Ltd.
Overhead Crane

Reference # CED/TFL **7101** (Dr. M. Kashif) Dated: 19-06-2025
Reference of the request letter # Nil Dated: 19-06-2025

Tension Test Report (Page – 1/1)

Date of Test 20-06-2025
Description Steel Wire Rope Tensile Test

Sr. No.	Nominal Diameter	Measured weight			Breaking Load	Remarks / Coil No.
	(mm)	Weight (g)	Length (cm)	(kg/m)	(kg)	
1	**16**	**915**	**102.0**	**0.90**	**12200**	**-**
2	**18**	**1161**	**102.1**	**1.14**	**16000**	**-**
3	**20**	**1418**	**101.1**	**1.40**	**19900**	**-**
4	**28**	**3140**	**101.1**	**3.11**	**31600**	**-**
-	-	-			-	-
Only four samples for Test						

Test Performed and Verified by:

To,

Mr. Rajan Singh (Resident Engineer)
Asian Consulting Engineers (Pvt.) Ltd.
Construction of Cinema & Moving Theatre Safari Zoo Lahore

Reference # CED/TFL **7103** (Dr. M Kashif) Dated: 19-06-2025
Reference of the request letter # AsCE/IWE/CINE/RE/001/25 Dated: 19-06-2025

Tension Test Report (Page-1/1)

Date of Test 20-06-2025
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	**0.374**	**3**	**0.374**	**0.110**	**0.11**	**35.50**	**46.20**	**72523**	**72514**	**94382**	**94370**	**1.2**	**15.0**	**3"/8**
2	**0.373**	**3**	**0.374**	**0.110**	**0.11**	**36.20**	**46.50**	**73953**	**74135**	**94995**	**95229**	**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:

Ref: CED/TFL/06/7104 Dated: 19-06-2025

Dated: 20-06-2025 (Dr. Asif Hameed)

To

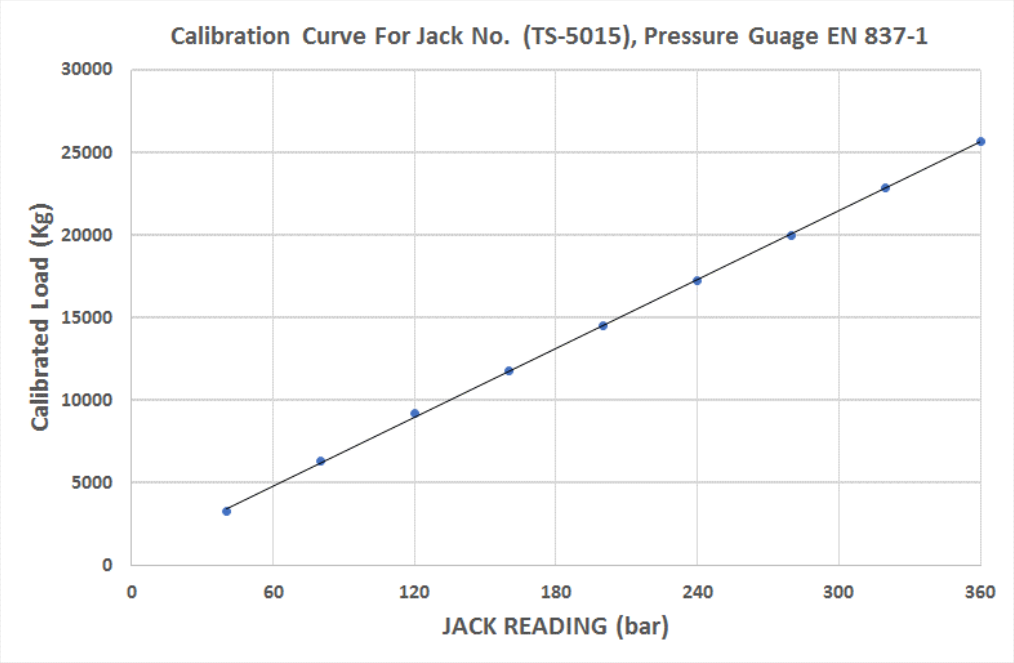
Mr. Muhammad Naeem Uddin (Managing Director)
Geo Crust

Subject: **- CALIBRATION OF HYDRAULIC JACK (MARK: TFL/06/7104)** (Page -1/1)

Reference to your Letter No. Nil, dated: 19/06/2025 on the subject cited above. One Hydraulic Jack (TS-5015) with Pressure Guage EN-837-1 as received by us has been calibrated. The results are tabulated as under:

Total Range : Zero - 1000 (bar)
Calibrated Range : Zero - 480 (bar)

Hydraulic Jack Reading (bar)	**40**	**80**	**120**	**160**	**200**	**240**	**280**	**320**	**360**
Calibrated Load (kg)	**3250**	**6300**	**9200**	**11750**	**14550**	**17250**	**20000**	**22900**	**25650**



Test Performed and Verified by:

To,

Engr. Sajjad Hashmi (GM QA/QC)
Vision Developers (Pvt.) Ltd.
Retaining Wall The Walk Plaza Park View City Lahore
(FF Steel)

Reference # CED/TFL **7105** (Dr. M Kashif) Dated: 19-06-2025
Reference of the request letter # Nil Dated: 19-06-2025

Tension Test Report (Page-1/2)

Date of Test 20-06-2025
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	**0.374**	**3**	**0.374**	**0.110**	**0.11**	**35.70**	**46.70**	**72932**	**73040**	**95403**	**95546**	**1.2**	**15.0**	-
2	**0.372**	**3**	**0.373**	**0.110**	**0.109**	**35.70**	**46.50**	**72932**	**73466**	**94995**	**95691**	**1.2**	**15.0**	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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,

Engr. Sajjad Hashmi (GM QA/QC)
Vision Developers (Pvt.) Ltd.
Retaining Wall The Walk Plaza Park View City Lahore
(FF Steel)

Reference # CED/TFL **7105** (Dr. M Kashif) Dated: 19-06-2025
Reference of the request letter # Nil Dated: 19-06-2025

Tension Test Report (Page-1/2)

Date of Test 20-06-2025
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	**0.374**	**3**	**0.374**	**0.110**	**0.11**	**35.70**	**46.70**	**72932**	**73040**	**95403**	**95546**	**1.2**	**15.0**	-
2	**0.372**	**3**	**0.373**	**0.110**	**0.109**	**35.70**	**46.50**	**72932**	**73466**	**94995**	**95691**	**1.2**	**15.0**	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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,

Mr. Nasir Mehmood (Construction Manager)
Elite Engineering (Pvt.) Ltd.
Sitara Serene Tower
Sheikhoo Steel

Reference # CED/TFL **7109** (Dr. M Kashif) Dated: 19-06-2025
Reference of the request letter # EEPL/08/EL-01 Dated: 19-06-2025

Tension Test Report (Page-1/2)

Date of Test 20-06-2025
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**	**0.375**	**0.110**	**0.111**	**35.20**	**46.50**	**71910**	**71436**	**94995**	**94369**	**1.0**	**12.5**	-
2	**0.369**	**3**	**0.371**	**0.110**	**0.108**	**34.50**	**46.00**	**70480**	**71561**	**93973**	**95415**	**1.3**	**16.3**	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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. Nasir Mehmood (Construction Manager)
Elite Engineering (Pvt.) Ltd.
Sitara Serene Tower
Sheikhoo Steel

Reference # CED/TFL **7109** (Dr. M Kashif) Dated: 19-06-2025
Reference of the request letter # EEPL/08/EL-01 Dated: 19-06-2025

Tension Test Report (Page-2/2)

Date of Test 20-06-2025
Gauge Length 8 inches
Description Plain 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	4.238	10	1.259	1.270	1.245	39800	54400	69070	70448	94408	96291	1.6	20.0	-
2	4.226	10	1.257	1.270	1.242	40600	54000	70459	72052	93713	95832	1.7	21.3	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Note: Only 2 Samples for Tensile and 1 Samples for Bend test														

Bend Test
10 Bar Bend Test Through 180 Degree is Satisfactory

Test Performed and Verified by:

To,
Engr. Barkat Leghari (Structural and Design Engineer PSBA)
Punjab Sahulat Bazaars Authority, Govt. of the Punjab
Construction of Model Bazar Burewala

Reference # CED/TFL **7110** (Dr. M Kashif) Dated: 19-06-2025
Reference of the request letter # SE/PSBA/2/5/2025 Dated: 18-06-2025

Tension Test Report

(Page-1/2)

Date of Test 20-06-2025
Gauge Length 2 inches
Description G.I Purlins/Girts 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	**2mm**	**2.30 x 32.00**	**73.60**	**1500**	**2680**	**199.9**	**357.2**	**0.7**	**35.0**	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 0 Samples for Bend test										

Bend Test

Test Performed and Verified by:

To,
Engr. Barkat Leghari (Structural and Design Engineer PSBA)
Punjab Sahulat Bazaars Authority, Govt. of the Punjab
Construction of Model Bazar Burewala

Reference # CED/TFL **7110** (Dr. M Kashif) Dated: 19-06-2025
Reference of the request letter # SE/PSBA/2/5/2025 Dated: 18-06-2025

Tension Test Report

Date of Test 20-06-2025
Gauge Length 2 inches
Description G.I Purlins/Girts 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	6mm	5.90 x 32.20	189.98	5500	8600	284.0	444.1	0.8	40.0	-
2	8mm	8.20 x 32.00	262.40	7300	11800	272.9	441.2	0.8	40.0	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
Note: Only 2 Samples for Tensile and 0 Samples for Bend test										

Bend Test

Test Performed and Verified by:

To,

Engr. Sajjad Hashmi (GM QA/QC)
Vision Developers (Pvt.) Ltd.
Retaining Wall The Walk Plaza Park View City Lahore
(FF Steel)

Reference # CED/TFL **7105** (Dr. M Kashif) Dated: 19-06-2025
Reference of the request letter # Nil Dated: 19-06-2025

Tension Test Report (Page-1/2)

Date of Test 20-06-2025
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	**0.374**	**3**	**0.374**	**0.110**	**0.11**	**35.70**	**46.70**	**72932**	**73040**	**95403**	**95546**	**1.2**	**15.0**	-
2	**0.372**	**3**	**0.373**	**0.110**	**0.109**	**35.70**	**46.50**	**72932**	**73466**	**94995**	**95691**	**1.2**	**15.0**	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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,

Mr. Qasim Ali (Projects Director)
GIBS Builders Developers Multan
Construction of Shell Structure & Loading Dock (Vision)

Reference # CED/TFL **7113** (Dr. M Kashif) Dated: 20-06-2025
Reference of the request letter # Nil Dated: 19-06-2025

Tension Test Report (Page-1/1)

Date of Test 20-06-2025
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	0.369	3	0.372	0.110	0.108	37.00	48.50	75587	76702	99081	100542	1.1	13.8	3"/8
2	0.371	3	0.373	0.110	0.109	37.00	48.50	75587	76247	99081	99945	1.0	12.5	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: