Ref: CED/TFL/04/6856 Dated: 22-04-2025

Dated of Test: 28-04-2025

To

Mr. Saddam Hussain
Material Engineer
NESPAK Pvt. Ltd.
Improvement of Water Supply/Sewerage System in UC-225, Gulberg Zone, Lahore (Lahore Development Programe Phase-1)

Subject: **TESTING OF R.C.C. PIPE [ASTM-C76]**

Reference to your letter no: 43101/11/SH/01/1310 on dated 18.03.2025 on the subject cited above. One R.C.C. Pipe as received by us has been tested. The results are tabulated as under.

Sr. No.	Nominal Size	Total Length	Loaded Length	External Diameter	Internal Diameter	Wall Thickness	Proof load	Ultimate Load	Proof Stress	Ultimate Stress
	(inch)	(inch)	(inch)	(inch)	(inch)	(inch)	(kg)	(kg)	Lbs/Linear foot/foot	Lbs/Linear foot/foot
1	12	93.1	88.2	16	11.94	2.03	10500	12500	3165	3768

Test Performed and Verified by:

Ref: CED/TFL/04/6856 Dated: 22-04-2025

Dated of Test: 28-04-2025

To

Mr. Saddam Hussain
Material Engineer
NESPAK Pvt. Ltd.
Improvement of Water Supply/Sewerage System in UC-226, Gulberg Zone, Lahore (Lahore Development Programe Phase-1)

Subject: **TESTING OF R.C.C. PIPE [ASTM-C76]**

Reference to your letter no: 43101/11/SH/01/1315 on dated 16.03.2025 on the subject cited above. One R.C.C. Pipe as received by us has been tested. The results are tabulated as under.

Sr. No.	Nominal Size	Total Length	Loaded Length	External Diameter	Internal Diameter	Wall Thickness	Proof load	Ultimate Load	Proof Stress	Ultimate Stress
	(inch)	(inch)	(inch)	(inch)	(inch)	(inch)	(kg)	(kg)	Lbs/Linear foot/foot	Lbs/Linear foot/foot
1	12	92.5	88.2	16	12.00	2.00	12000	14000	3599	4199

Test Performed and Verified by:

To,

Mr. Asim Mushtaq (General Manager Factory)
Master Offisys
(22-425-03)

Reference # CED/TFL **6864** (Dr. M Kashif) Dated: 24-04-2025
Reference of the request letter # PEMH05-008 Dated: 23-04-2025

Tension Test Report (Page-1/1)

Date of Test 28-04-2025
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	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	**0.363**	**3**	**0.368**	**0.110**	**0.107**	**34.20**	**46.00**	**69867**	**72125**	**93973**	**97010**	**1.5**	**18.8**	-
2	**0.362**	**3**	**0.368**	**0.110**	**0.106**	**34.00**	**45.50**	**69459**	**71820**	**92952**	**96111**	**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,

Project Manager
Sunshine Healthcare (Pvt.) Ltd.
Sunshine Medical Tower Shahdra

Reference # CED/TFL **6868** (Dr. M Kashif) Dated: 24-04-2025
Reference of the request letter # Nil Dated: 24-04-2025

Tension Test Report (Page-1/1)

Date of Test 28-04-2025
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	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	**0.369**	**3**	**0.372**	**0.110**	**0.109**	**30.70**	**47.50**	**62717**	**63547**	**97038**	**98322**	**1.5**	**18.8**	-
2	**0.372**	**3**	**0.373**	**0.110**	**0.109**	**31.20**	**49.20**	**63739**	**64102**	**100511**	**101084**	**1.4**	**17.5**	**-**
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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,

Abdul Baseet
Material Engineer
Banu Mukhtar Contracting (Pvt.) Ltd.

Reference # CED/TFL **6869** (Dr. M. Kahif) Dated: 24-04-2025
Reference of the request letter # BMCQA.QC-021/4 Dated: 21-04-2025

Weight &Size Test Report (Page – 2/2)

Date of Test 28-04-2024
Description Angle Weight and Size Test

Sr. No.	Designation	Weight	Length	Weight per Unit Length	L-1	L-2	Thickness	Remark
	(inch)	(g)	(mm)	(kg/m)	(mm)	(mm)	(mm)	
1	**140x140x12**	**3816**	**152.40**	**27.04**	**141.1**	**141.0**	**12.6**	
-	-	-	-	-	-	-	-	-
-	-	-	-	-		-	-	-
-	-	-	-	-		-	-	-
-	-	-	-	-		-	-	-
-	-	-	-	-		-	-	-
-	-	-	-	-		-	-	-
-	-	-	-	-		-	-	-
Only One Samples for Test								

Test Performed and Verified by:

To,
Abdul Baseet (Material Engineer)
Banu Mukhtar Contracting (Pvt.) Ltd.
-

Reference # CED/TFL **6869** (Dr. M Kashif) Dated: 24-04-2025
Reference of the request letter # BMCQA.QC-021/4 Dated: 21-04-2025

Tension Test Report

(Page-1/2)

Date of Test 28-04-2025
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	**140x140x12**	**12.00 x 27.10**	**325.20**	**13510**	**18300**	**407.5**	**552.0**	**0.7**	**35.0**	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
Note: Only 1 Samples for Tensile and 1 Samples for Bend test										

Bend Test
140x140x12 Strip Bend Test Through 180 Degree is Satisfactory

Test Performed and Verified by:

To,

Mr. Rana Muhammad Haris (Chief Material Engineer RHC)
Rehman Habib Consultants Pvt. Ltd.
Construction / Renovation of 17 Centers of Excellences (COES) in Existing TEVTA & PVTC Institutes in Punjab (FF Steel)

Reference # CED/TFL **6871** (Dr. M Kashif) Dated: 24-04-2025
Reference of the request letter # RHC/134-TEVTA1-2404/RMH/01/12 Dated: 24-04-2025

Tension Test Report

(Page-1/1)

Date of Test 28-04-2025
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	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.377	3	0.375	0.110	0.111	35.20	46.50	71910	71477	94995	94423	1.0	12.5	FF Steel
2	0.374	3	0.374	0.110	0.11	35.50	49.00	72523	72510	100102	100085	1.2	15.0	FF
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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
Building Sub Division, Kasur
Upgradation of Govt. Primary School to Elementary Level in District Kasur (ADP 2024-25/GSR.NO.11)
Upgradation of GPS "TARA GARH" Tehsil District Kasur

Reference # CED/TFL **6872** (Dr. M Kashif) Dated: 25-04-2025
Reference of the request letter # 274/k Dated: 11-04-2025

Tension Test Report (Page-1/2)

Date of Test 28-04-2025
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	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.376	3	0.375	0.110	0.11	36.70	54.00	74974	74679	110317	109882	1.2	15.0	3"/8
2	0.368	3	0.371	0.110	0.108	34.20	50.20	69867	71100	102554	104363	1.3	16.3	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,

Sub Divisional Officer
Building Sub Division, Kasur
Upgradation of Govt. Primary School to Elementary Level in District Kasur (ADP 2024-25/GSR.NO.11)
Upgradation of GPS "TARA GARH" Tehsil District Kasur

Reference # CED/TFL **6872** (Dr. M Kashif) Dated: 25-04-2025
Reference of the request letter # 274/k Dated: 11-04-2025

Tension Test Report (Page-1/2)

Date of Test 28-04-2025
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	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	**0.376**	**3**	**0.375**	**0.110**	**0.11**	**36.70**	**54.00**	**74974**	**74679**	**110317**	**109882**	**1.2**	**15.0**	**3"/8**
2	**0.368**	**3**	**0.371**	**0.110**	**0.108**	**34.20**	**50.20**	**69867**	**71100**	**102554**	**104363**	**1.3**	**16.3**	**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,
Manager Works

Reference # CED/TFL **6874** (Dr. M. Kashif) Dated: 25-04-2025
Reference of the request letter # Nil Dated: 17-03-2025

Tension Test Report (Page – 1/1)

Date of Test 28-04-2025
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**	**14.40x19.30**	**277.92**	**-**	**15110**	**-**	**533.4**	**0.60**	**30.00**	**-**
2	**TS-02**	**19.60x13.90**	**272.44**	**-**	**14750**	**-**	**531.1**	**0.40**	**20.00**	**-**
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

Only Two Samples for Tensile and Four for Bend Test

Bend Test

RB-01 Strip Bend Test Through 180º is Satisfactory

RB-026 Strip Bend Test Through 180º is Satisfactory

FB-01 Strip Bend Test Through 180º is Satisfactory

FB-02 Strip Bend Test Through 180º is Satisfactory

Test Performed and Verified by:

To,
Engr. Riaz Ahmed (Resident Engineer) Package (A & D)
Metroplan-Asian Consulting Engineers
Establishment of Nawaz Sharif Institute of Cancer Treatment & Research, Lahore

Reference # CED/TFL **6875** (Dr. M Kashif) Dated: 25-04-2025
Reference of the request letter # Metroplan-AsianJV/NS-ICTR/RE/25/138 Dated: 19-04-2025

Tension Test Report

(Page-1/2)

Date of Test 28-04-2025
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	73 mm	4.80 x 14.00	67.20	1850	2620	270.1	382.5	0.7	35.0	-
2	73 mm	4.80 x 13.80	66.24	1950	2770	288.8	410.2	0.5	25.0	-
3	90.2 mm	6.80 x 14.00	95.20	2800	4030	288.5	415.3	0.4	20.0	-
4	90.2 mm	6.80 x 12.70	86.36	2550	4120	289.7	468.0	0.4	20.0	-
5	113.6 mm	5.90 x 12.70	74.93	2500	3590	327.3	470.0	0.5	25.0	-
6	113.6 mm	6.20 x 12.90	79.98	2360	3670	289.5	450.1	0.4	20.0	-
Note: Only 6 Samples for Tensile and 0 Samples for Bend test										

Bend Test

Test Performed and Verified by:

To,
Engr. Riaz Ahmed (Resident Engineer) Package (A & D)
Metroplan-Asian Consulting Engineers
Establishment of Nawaz Sharif Institute of Cancer Treatment & Research, Lahore

Reference # CED/TFL **6875** (Dr. M Kashif) Dated: 25-04-2025
Reference of the request letter # Metroplan-AsianJV/NS-ICTR/RE/25/138 Dated: 19-04-2025

Tension Test Report

Date of Test 28-04-2025
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)		
7	**169.2 mm**	**4.80 x 13.20**	**63.36**	**1990**	**2870**	**308.1**	**444.4**	**0.3**	**15.0**	-
8	**169.2 mm**	**5.00 x 13.30**	**66.50**	**1990**	**3030**	**293.6**	**447.0**	**0.4**	**20.0**	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-

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

Bend Test

Test Performed and Verified by:

To,

Mr. Muhammad Faisal Nasim
985-D, EME Housing, DHA, Lahore
-

Reference # CED/TFL **6877** (Dr. M Kashif) Dated: 25-04-2025
Reference of the request letter # Nil Dated: 25-04-2025

Tension Test Report (Page-1/1)

Date of Test 28-04-2025
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	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	**0.362**	**3**	**0.368**	**0.110**	**0.106**	**35.70**	**47.20**	**72932**	**75496**	**96425**	**99815**	**1.3**	**16.3**	-
2	**0.359**	**3**	**0.366**	**0.110**	**0.105**	**36.00**	**47.50**	**73544**	**76738**	**97038**	**101251**	**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,

Engr. Haseeb Afzal (Project Manager)
HMB Developers Pvt. Ltd.
-

Reference # CED/TFL **6878** (Dr. M Kashif) Dated: 25-04-2025
Reference of the request letter # Nil Dated: 25-04-2025

Tension Test Report (Page-1/1)

Date of Test 28-04-2025
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	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	**0.373**	**3**	**0.374**	**0.110**	**0.11**	**34.00**	**45.70**	**69459**	**69674**	**93361**	**93650**	**1.2**	**15.0**	-
2	**0.372**	**3**	**0.373**	**0.110**	**0.109**	**32.00**	**44.50**	**65373**	**65856**	**90909**	**91581**	**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. M. Asif Javed (Project Manager, ESAC)
ESAC, Pakistan
Grand Central Mall Project Faisalabad

Reference # CED/TFL **6879** (Dr. M Kashif) Dated: 25-04-2025
Reference of the request letter # ESAC/TGC/GCMF/234 Dated: 25-04-2025

Tension Test Report (Page-1/1)

Date of Test 28-04-2025
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	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.383	3	0.378	0.110	0.112	34.00	48.70	69459	67932	99489	97302	1.2	15.0	Aziz Steel
2	0.365	3	0.369	0.110	0.107	31.70	47.50	64760	66452	97038	99573	1.1	13.8	Aziz
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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. Ubaidullah Khan (Resident Engineer)
NESPAK (Pvt.) Ltd.
Construction of Boys Hostel, Girls Hostel & Bachelor Faculty Hostel at New Campus of Ghazi University Dera Ghazi Khan (Prime Supreme Steel)

Reference # CED/TFL **6881** (Dr. M Kashif) Dated: 24-04-2025
Reference of the request letter # 4026/325/UKN/03/MSC/2023 Dated: 16-04-2025

Tension Test Report (Page-1/1)

Date of Test 28-04-2025
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	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	**0.373**	**3**	**0.373**	**0.110**	**0.11**	**34.20**	**49.70**	**69867**	**70176**	**101532**	**101981**	**1.4**	**17.5**	-
2	**0.385**	**3**	**0.380**	**0.110**	**0.113**	**37.00**	**50.50**	**75587**	**73461**	**103166**	**100264**	**1.4**	**17.5**	**-**
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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,

Sub Divisional Officer
Bhalwal Sub Division LJC Sargodha
Rehabilitation/Construction of Offices/ Reidential Complex for the Newly Created Zones / Circles/ Division/ Sub Division in Irrigation Zone Sargodha (Bhalwal Canal Division Package-A)

Reference # CED/TFL **6882** (Dr. M Kashif) Dated: 25-04-2025
Reference of the request letter # 944 Dated: 14-03-2025

Tension Test Report

(Page-1/1)

Date of Test 28-04-2025
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	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.382	3	0.378	0.110	0.112	34.70	50.20	70889	69529	102554	100586	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. Sufyan Upal (Project Engineer)
Baig Construction Co.
Construction of Jinnah Square Mall, Raiwind Road, Lahore

Reference # CED/TFL **6883** (Dr. M Kashif) Dated: 28-04-2025
Reference of the request letter # ST/UET/26042025/3000 Dated: 26-04-2025

Tension Test Report (Page-1/1)

Date of Test 28-04-2025
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	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	**0.365**	**3**	**0.369**	**0.110**	**0.107**	**33.50**	**50.00**	**68437**	**70225**	**102145**	**104814**	**1.4**	**17.5**	-
2	**0.364**	**3**	**0.369**	**0.110**	**0.107**	**33.20**	**50.00**	**67824**	**69692**	**102145**	**104958**	**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: