STRUCTURAL ENGINEERING DIVISION

Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,

Khadim Hussain
Apex Construction & Co.
83-E-1 Commercial Building Gulberg, Lahore.

Reference # CED/TFL **6716** (Dr. Usman Akmal) Dated: 17-03-2025
Reference of the request letter # Nil Dated: 13-03-2025

Tension Test Report (Page -1/1)

Date of Test 19-03-2025
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size		Area (in^2)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal (inch)	Actual (inch)	Nominal	Actual	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.366	3/8	0.370	0.11	0.108	34.20	43.00	69900	71390	87900	89800	1.00	12.5	
2	0.366	3/8	0.370	0.11	0.108	34.00	43.20	69500	71050	88300	90300	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
3/8 Bar Bend Test Through 180º is Satisfactory.														

Test Performed and Verified by:

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
1- You can See your reports On Internet in the following web site
http://www.uet.edu.pk/faculties/facultiesinfo/civil/index.html?RID=testing_reports
2. The above results pertain to sample /samples supplied to this laboratory.
3- Sealed sample / Unsealed sample / Marked sample/Signed Samples

To,
Mr. Muhammad Zubair Zafar [Resident Engineer Package-III (PCP) Jaranwala]
MM Pakistan (Pvt.) Ltd.
Upgradation of Sewrage and Construction of Waste Water Treatment Plant (WWTP) Jaranwala City

Reference # CED/TFL **6728** (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:

STRUCTURAL ENGINEERING DIVISION
Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,

Mr. Muhammad Zubair Zafar
Resident Engineer Package-III (PCP) Jaranwala
MM Pakistan (Pvt.) Ltd.
Upgradation of Sewrage and Construction of Waste Water Treatment Plant (WWTP)
Jaranwala City

Reference # CED/TFL **6728** (Dr. Usman Akmal) Dated: 18-03-2025
Reference of the request letter # MMP/1095/JARAWALA/SEW/48/2025 Dated: 18-03-2025

Weight &Size Test Report (Page – 2/2)

Date of Test 27-03-2024
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	**3x3x3/8**	**1017**	**102.20**	**9.95**	**75.90**	**76.70**	**9.25**	
2	**4x4x1/2**	**1970**	**102.90**	**19.14**	**103.2**	**103.3**	**12.3**	
-	-	-	-	-		-	-	
-	-	-	-	-		-	-	
-	-	-	-	-		-	-	
-	-	-	-	-		-	-	
-	-	-	-	-		-	-	
-	-	-	-	-		-	-	
Only Two Samples for Test								

Test Performed and Verified by:

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
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STRUCTURAL ENGINEERING DIVISION

Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,

Muhammad Saleem (GM)
Professional Construction Services (Pvt.) Ltd.
Construction of ABL Sui Gas Society Lahore.

Reference # CED/TFL **6751** (Dr. Ali Ahmed) Dated: 24-03-2025
Reference of the request letter # PCS/25Eng-31-A Dated: 21-03-2025

Tension Test Report (Page -1/1)

Date of Test 26-03-2025
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size		Area (in^2)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal (i#)	Actual (inch)	Nominal	Actual	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.381	3	0.378	0.11	0.112	37.50	48.70	76600	75230	99500	97700	1.40	17.5	
	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two sample for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180º is Satisfactory.														

Test Performed and Verified by:

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
1- You can See your reports On Internet in the following web site
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STRUCTURAL ENGINEERING DIVISION

Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,

Engr. Barkat Laghari
Structural and Design Engineer PMBMC
Punjab Model Bazaars Management Company
Construction of Model Bazaar Chiniot (For Columns & Rafters).

Reference # CED/TFL **6752** (Dr. Usman Akmal) Dated: 24-03-2025
Reference of the request letter # PMBMC/SE/MBC/02 Dated: 20-03-2025

Tension Test Report (Page – 1/2)

Date of Test 27-03-2025
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	**Steel Plate (6 mm)**	**30.30x6.00**	**181.80**	**5700**	**8800**	**308**	**475**	**0.80**	**40.00**	
2	**Steel Plate (8 mm)**	**30.90x8.30**	**256.47**	**7500**	**11800**	**287**	**451**	**1.30**	**65.00**	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
Only Two Samples for Tensile Test										
Bend Test										

Test Performed and Verified by:

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
1- You can See your reports On Internet in the following web site
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STRUCTURAL ENGINEERING DIVISION

Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,

Engr. Barkat Laghari
Structural and Design Engineer PMBMC
Punjab Model Bazaars Management Company
Construction of Model Bazaar Chiniot (G.I Purlins).

Reference # CED/TFL **6752** (Dr. Usman Akmal) Dated: 24-03-2025
Reference of the request letter # PMBMC/SE/MBB/02 Dated: 20-03-2025

Tension Test Report (Page – 2/2)

Date of Test 27-03-2025
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	**Steel Plate (2 mm)**	**31.10x1.90**	**59.09**	**1800**	**2400**	**299**	**398**	**0.50**	**25.00**	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
Only One Sample for Tensile Test										
Bend Test										

Test Performed and Verified by:

I/C Testing Laboratoires
UET Lahore, Pakistan.

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STRUCTURAL ENGINEERING DIVISION

Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,

M/S Pakistan Wire Industries (Pvt) Limited
Karachi

Reference # CED/TFL **6763** (Dr. Usman Akmal) Dated: 25-03-2025
Reference of the request letter # WRD/001 Dated: 20-03-2025

Tension Test Report (Page – 1/5)

Date of Test 27-03-2025
Description Steel Wire Rope (UG HC) Tensile Test

Sr. No.	Nominal Diameter	Measured weight	Breaking Load	Remarks / Coil No.
	(mm)	(kg/m)	(kg)	
1	**14 (6x19)**	**0.65**	**10200**	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
Only one sample for Test				

Witness by Muhammad Wasim Khan (Pakistan Wire Industries)

Test Performed and Verified by:

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
1- You can See your reports On Internet in the following web site
http://www.uet.edu.pk/faculties/facultiesinfo/civil/index.html?RID=testing_reports
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STRUCTURAL ENGINEERING DIVISION

Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,

M/S Pakistan Wire Industries (Pvt) Limited
Karachi

Reference # CED/TFL **6763** (Dr. Usman Akmal) Dated: 25-03-2025
Reference of the request letter # WRD/002 Dated: 20-03-2025

Tension Test Report (Page – 2/5)

Date of Test 27-03-2025
Description Steel Wire Rope (Gal SC) Tensile Test

Sr. No.	Nominal Diameter	Measured weight	Breaking Load	Remarks / Coil No.
	(mm)	(kg/m)	(kg)	
1	**16 (7x19)**	**0.97**	**15900**	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
Only one sample for Test				

Witness by Muhammad Wasim Khan (Pakistan Wire Industries)

Test Performed and Verified by:

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
1- You can See your reports On Internet in the following web site
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STRUCTURAL ENGINEERING DIVISION

Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,

M/S Pakistan Wire Industries (Pvt) Limited
Karachi

Reference # CED/TFL **6763** (Dr. Usman Akmal) Dated: 25-03-2025
Reference of the request letter # WRD/003 Dated: 20-03-2025

Tension Test Report (Page – 3/5)

Date of Test 27-03-2025
Description Steel Wire Rope (Gal IWRC) Tensile Test

Sr. No.	Nominal Diameter	Measured weight	Breaking Load	Remarks / Coil No.
	(mm)	(kg/m)	(kg)	
1	**19 (6x37)**	**1.34**	**21800**	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
Only one sample for Test				

Witness by Muhammad Wasim Khan (Pakistan Wire Industries)

Test Performed and Verified by:

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
1- You can See your reports On Internet in the following web site
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STRUCTURAL ENGINEERING DIVISION

Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,

M/S Pakistan Wire Industries (Pvt) Limited
Karachi

Reference # CED/TFL **6763** (Dr. Usman Akmal) Dated: 25-03-2025
Reference of the request letter # WRD/004 Dated: 20-03-2025

Tension Test Report (Page – 4/5)

Date of Test 27-03-2025
Description Steel Wire Rope (Gal H/C) Tensile Test

Sr. No.	Nominal Diameter	Measured weight	Breaking Load	Remarks / Coil No.
	(mm)	(kg/m)	(kg)	
1	**22 (6x19)**	**1.79**	**23900**	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
Only one sample for Test				

Witness by Muhammad Wasim Khan (Pakistan Wire Industries)

Test Performed and Verified by:

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
1- You can See your reports On Internet in the following web site
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STRUCTURAL ENGINEERING DIVISION

Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,

M/S Pakistan Wire Industries (Pvt) Limited
Karachi

Reference # CED/TFL **6763** (Dr. Usman Akmal) Dated: 25-03-2025
Reference of the request letter # WRD/005 Dated: 20-03-2025

Tension Test Report (Page – 5/5)

Date of Test 27-03-2025
Description Steel Wire Rope (UG HC) Tensile Test

Sr. No.	Nominal Diameter	Measured weight	Breaking Load	Remarks / Coil No.
	(mm)	(kg/m)	(kg)	
1	**22 (6x19)**	**1.67**	**26000**	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
Only one sample for Test				

Witness by Muhammad Wasim Khan (Pakistan Wire Industries)

Test Performed and Verified by:

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
1- You can See your reports On Internet in the following web site
http://www.uet.edu.pk/faculties/facultiesinfo/civil/index.html?RID=testing_reports
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STRUCTURAL ENGINEERING DIVISION

Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,

Engr. Qamar u Zaman
Resident Engineer (UOS)-DCS
Development Consultancy Services Pvt. Ltd.
Development of University of Sahiwal at District Sahiwal.

Reference # CED/TFL **6775** (Dr. Usman Akmal) Dated: 26-03-2025
Reference of the request letter # DCS/RE/UOS/2025/0332 Dated: 22-03-2025

Tension Test Report (Page -1/1)

Date of Test 27-03-2025
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size		Area (in^2)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.378	3	0.376	0.11	0.111	38.50	51.20	78700	77900	104600	103600	1.00	12.5	AK-Supreme Steel
2	0.385	3	0.380	0.11	0.113	37.50	50.70	76600	74450	103600	100700	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: Only Two Samples for Tensile and One Sample for Bend Test.														
Bend Test														
#3 Bar Bend Test Through 180º is Satisfactory. **(AK-Supreme Steel)**														

Test Performed and Verified by:

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
1- You can See your reports On Internet in the following web site
http://www.uet.edu.pk/faculties/facultiesinfo/civil/index.html?RID=testing_reports
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STRUCTURAL ENGINEERING DIVISION

Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,

AJ Contractor
Tawal Site ID:TWPGHT0004

Reference # CED/TFL **6776** (Dr. Usman Akmal) Dated: 26-03-2025
Reference of the request letter # AJContractor/Steel/Tawal/16 Dated: 11-03-2025

Tension Test Report (Page -1/1)

Date of Test 27-03-2025
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size		Area (in^2)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal (mm)	Actual (inch)	Nominal	Actual	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.365	10	0.369	0.11	0.107	35.20	50.70	71900	73770	103600	106300	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: Only One Sample for Tensile test.														
Bend Test														

Test Performed and Verified by:

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
1- You can See your reports On Internet in the following web site
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STRUCTURAL ENGINEERING DIVISION

Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,

Ravi Construction Company
Repetify 2 QABP, Sheikhupura.

Reference # CED/TFL **6777** (Dr. Usman Akmal) Dated: 26-03-2025
Reference of the request letter # Nil Dated: 25-03-2025

Tension Test Report (Page -1/1)

Date of Test 27-03-2025
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size		Area (in^2)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal (inch)	Actual (inch)	Nominal	Actual	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.412	3/8	0.393	0.11	0.121	38.20	54.70	78100	70790	111800	101400	1.60	20.0	Moiz Steel
2	0.423	3/8	0.398	0.11	0.124	38.70	55.00	79100	69940	112400	99400	1.60	20.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Note: Only Two Samples for Tensile and One Sample for Bend Test.

Bend Test

3/8 Bar Bend Test Through 180º is Satisfactory. **(Moiz Steel)**

Test Performed and Verified by:

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
1- You can See your reports On Internet in the following web site
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2. The above results pertain to sample /samples supplied to this laboratory.
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STRUCTURAL ENGINEERING DIVISION

Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,

Faisal Bhatti
PM Project
Ittefaq Building Solutions Pvt. Ltd.
Haider Saeed Commercial, Lahore

Reference # CED/TFL **6778** (Dr. Usman Akmal) Dated: 26-03-2025
Reference of the request letter # Nil Dated: 24-03-2025

Tension Test Report (Page -1/1)

Date of Test 27-03-2025
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size		Area (in^2)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.365	3	0.369	0.11	0.107	33.20	49.20	67900	69620	100500	103200	1.30	16.3	Aziz Steel
2	0.368	3	0.371	0.11	0.108	33.70	49.70	68900	70040	101600	103300	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Note: Only Two Samples for Tensile Test.

Bend Test

#3 Bar Bend Test Through 180º is Satisfactory. **(Aziz Steel)**

Test Performed and Verified by:

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
1- You can See your reports On Internet in the following web site
http://www.uet.edu.pk/faculties/facultiesinfo/civil/index.html?RID=testing_reports
2. The above results pertain to sample /samples supplied to this laboratory.
3- Sealed sample / Unsealed sample / Marked sample/Signed Samples

STRUCTURAL ENGINEERING DIVISION

Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,

Fast Cables, Lahore
Hall 8 at Unit 2 Fast Cables Ltd. (PEB), Lahore.

Reference # CED/TFL **6779** (Dr. Usman Akmal) Dated: 26-03-2025
Reference of the request letter # Nil Dated: 22-03-2025

Tension Test Report (Page -1/1)

Date of Test 27-03-2025
Gauge length 8 inches
Description Anchor Bolt Tensile and Bend Test

Sr. No.	Weight	Diameter/ Size		Area (in^2)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal (mm)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	3.784	30	1.190	1.56	1.112	24000	36800	34000	47570	52000	73000	2.30	28.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: Only One Sample for Tensile and One for Bend Test.														
Bend Test														
30mm anchor bolt Bend Test Through 180º is Satisfactory														

Test Performed and Verified by:

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
1- You can See your reports On Internet in the following web site
http://www.uet.edu.pk/faculties/facultiesinfo/civil/index.html?RID=testing_reports
2. The above results pertain to sample /samples supplied to this laboratory.
3- Sealed sample / Unsealed sample / Marked sample/Signed Samples

STRUCTURAL ENGINEERING DIVISION

Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,

Muhammad Umair Sajid
Sr. Engineer (Civil), SWP
Pakistan Atomic Energy Commission, D.G.Khan

Reference # CED/TFL **6781** (Dr. Usman Akmal) Dated: 27-03-2025
Reference of the request letter # SWP/W(2543)/2024 Dated: 25-03-2025

Tension Test Report (Page -1/1)

Date of Test 27-03-2025
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size		Area (in^2)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.371	3	0.373	0.11	0.109	36.70	47.50	75000	75570	97100	97800	1.30	16.3	
2	0.371	3	0.372	0.11	0.109	36.70	47.20	75000	75700	96500	97400	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180º is Satisfactory.														

Test Performed and Verified by:

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
1- You can See your reports On Internet in the following web site
http://www.uet.edu.pk/faculties/facultiesinfo/civil/index.html?RID=testing_reports
2. The above results pertain to sample /samples supplied to this laboratory.
3- Sealed sample / Unsealed sample / Marked sample/Signed Samples