STRUCTURAL ENGINEERING DIVISION

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

To,
Deputy Project Manager
Engineering Consultancy Services Punjab (Pvt.) Ltd.
Establishment of District Integrated Command, Control & Communication (DIC3) Centers in Eighteen (18) Cities (Smart Safe Cities Project Phase-I)
Reference # CED/TFL **6729 & 6731** (Dr. Ali Ahmed) Dated: 19-03-2025
Reference of the request letter # ECSP/DIC3/25-11 Dated: 17-03-2025

Tension Test Report (Page – 1/2)

Date of Test 26-03-2025
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)	(kN)	(kN)	(MPa)	(MPa)	(in)		
1	Steel Plates (3.5 mm)	24.20x3.20	77.44	39.70	46.00	513	594	0.50	25.00	
2	Steel Plates (3.5 mm)	24.40x3.20	78.08	39.00	44.50	499	570	0.50	25.00	
3	Steel Plates (4 mm)	24.10x3.80	91.58	33.00	45.50	360	497	0.60	30.00	
4	Steel Plates (4 mm)	24.50x3.50	85.75	31.20	44.20	364	515	0.60	30.00	
5	Steel Plates (5 mm)	24.20x5.00	121.00	46.20	59.50	382	492	0.60	30.00	
6	Steel Plates (5 mm)	24.20x4.80	116.16	43.50	59.70	374	514	0.70	35.00	
7	Steel Plates (20 mm)	24.50x20.60	504.70	166.50	228.00	330	452	0.80	40.00	
8	Steel Plates (20 mm)	24.80x19.50	483.60	172.20	232.50	368	497	0.90	45.00	

Only Eight Samples for Tensile and Four for Bend Test

Bend Test

Nominal Thickness 3.5mm Strip Bend Test Through 180º is Satisfactory

Nominal Thickness 4mm Strip Bend Test Through 180º is Satisfactory

Nominal Thickness 5mm Strip Bend Test Through 180º is Satisfactory

Nominal Thickness 20mm Strip 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,
Deputy Project Manager
Engineering Consultancy Services Punjab (Pvt.) Ltd.
Engineering, Procurement & Construction and Operation & Maintenance of Nineteen (19) Districts (Smart Safe Cities) Project Phase-II
Reference # CED/TFL **6729 & 6731** (Dr. Ali Ahmed) Dated: 19-03-2025
Reference of the request letter # ECSP/SSC/PHII/25-08 Dated: 17-03-2025

Tension Test Report (Page – 2/2)

Date of Test 26-03-2025
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)	(kN)	(kN)	(MPa)	(MPa)	(in)		
1	Steel Plates (3.5 mm)	24.90x3.20	79.68	31.20	46.50	392	584	0.50	25.00	
2	Steel Plates (3.5 mm)	24.40x3.20	78.08	31.30	46.50	401	596	0.50	25.00	
3	Steel Plates (4 mm)	24.20x3.80	84.70	31.50	44.50	372	525	0.60	30.00	
4	Steel Plates (4 mm)	24.40x3.90	95.16	31.70	45.50	333	478	0.50	25.00	
5	Steel Plates (5 mm)	24.20x4.90	118.58	44.50	59.70	375	503	0.60	30.00	
6	Steel Plates (5 mm)	24.20x4.90	118.58	42.70	59.00	360	498	0.50	25.00	
7	Steel Plates (20 mm)	24.80x19.80	491.04	166.20	225.70	338	460	0.80	40.00	
8	Steel Plates (20 mm)	24.90x19.90	495.51	166.00	226.00	335	456	0.90	45.00	

Only Eight Samples for Tensile and Four for Bend Test

Bend Test

Nominal Thickness 3.5mm Strip Bend Test Through 180º is Satisfactory

Nominal Thickness 4mm Strip Bend Test Through 180º is Satisfactory

Nominal Thickness 5mm Strip Bend Test Through 180º is Satisfactory

Nominal Thickness 20mm Strip 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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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,

Imran Hafeez Khan
Resident Engineer,
NESPAK Pvt. Ltd.
Restoration/Improvement of Road From Haranpur to Sauwal I/C Links, Length = 10.50 KM, Tehsil P.D Khan District Jhelum

Reference # CED/TFL **6740** (Dr. Ali Ahmed) Dated: 20-03-2025
Reference of the request letter # NESPAK/RE/JH/HS/25/05 Dated: 28-02-2025

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 (#)	Actual (inch)	Nominal	Actual	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.372	3	0.373	0.11	0.109	34.50	50.70	70500	70870	103600	104200	1.20	15.0	
2	0.375	3	0.375	0.11	0.110	34.50	51.20	70500	70250	104600	104300	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: Only Two Sample for Tensile and One 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

STRUCTURAL ENGINEERING DIVISION

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

To,

M Waseem Azhar
Assistant Director (QCD)
WASA, LDA, Lahore

Reference # CED/TFL **6742** (Dr. Ali Ahmed) Dated: 20-03-2025
Reference of the request letter # QCD/1194 Dated: 18-03-2025

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 (inch)	Actual (inch)	Nominal	Actual	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.365	3/8	0.369	0.11	0.107	33.50	48.50	68500	70250	99100	101700	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: Only One Sample for Tensile and One 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

STRUCTURAL ENGINEERING DIVISION

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

To,
Farhan Sajid
Team Leader
M/s HA Consulting Jv Mascon Associates
Construction of Stitching Unit in Quaid-E-Azam Business Park at Sheikhupura (Group-1)
Reference # CED/TFL **6743** (Dr. Ali Ahmed) Dated: 20-03-2025
Reference of the request letter # 24/HA-MAS/U-/01668 Dated: 19-02-2025

Tension Test Report (Page – 1/2)

Date of Test 26-03-2025
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)	(kN)	(kN)	(MPa)	(MPa)	(in)		
1	MS Plate (450*456*4mm)	30.40x3.5	106.40	53.20	62.70	500	589	0.60	30.00	
2	MS Plate (125*456*5mm)	30.30x4.0	121.20	47.20	64.70	389	534	0.70	35.00	
3	MS Plate (200*456*6mm)	30.60x5.2	159.12	84.70	112.20	532	705	0.60	30.00	
4	MS Plate (370*456*8mm)	30.40x7.7	234.08	125.70	152.70	537	652	0.70	35.00	
5	MS Plate (300*456*10mm)	30.40x9.3	282.72	134.50	171.20	476	606	0.80	40.00	
6	MS Plate (355*456*12mm)	30.40x11.2	340.48	153.40	196.70	451	578	0.80	40.00	
7	MS Plate (350*456*14mm)	30.50x13.3	405.65	188.50	249.00	465	614	0.80	40.00	
8	MS Plate (360*456*20mm)	30.60x17.2	526.32	192.50	261.70	366	497	1.00	50.00	
9	MS Plate (200*456*24mm)	30.50x19.5	594.75	278.00	356.20	467	599	1.10	55.00	
10	MS Plate (316*456*30mm)	27.50x24.8	682.00	311.70	412.00	457	604	1.10	55.00	
Only Ten 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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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,
Farhan Sajid
Team Leader
M/s HA Consulting Jv Mascon Associates
Construction of Stitching Unit in Quaid-E-Azam Business Park at Sheikhupura (Group-2)
Reference # CED/TFL **6743** (Dr. Ali Ahmed) Dated: 20-03-2025
Reference of the request letter # 24/HA-MAS/U-/01668 Dated: 19-02-2025

Tension Test Report (Page – 2/2)

Date of Test 26-03-2025
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)	(kN)	(kN)	(MPa)	(MPa)	(in)		
1	MS Plate (460*460*4mm)	28.30x3.40	96.22	42.50	57.70	442	600	0.50	25.00	
2	MS Plate (460*460*5mm)	28.20x4.1	115.62	45.20	64.70	391	560	0.60	30.00	
3	MS Plate (460*460*6mm)	28.20x5.2	146.64	55.50	80.20	378	547	0.70	35.00	
4	MS Plate (460*460*8mm)	27.70x7.2	199.44	67.70	101.70	339	510	0.80	40.00	
5	MS Plate (460*460*10mm)	27.80x9.5	264.10	--	135.00	--	511	0.90	45.00	
6	MS Plate (460*460*12mm)	27.40x11.5	315.10	--	160.00	--	508	0.90	45.00	
7	MS Plate (460*460*16mm)	27.30x15.3	417.69	155.00	220.50	371	528	1.00	50.00	
8	MS Plate (460*460*20mm)	29.10x19.2	558.72	191.50	271.00	343	485	1.00	50.00	
9	MS Plate (460*460*24mm)	27.30x24.2	660.66	198.50	301.00	300	456	1.20	60.00	
10	MS Plate (460*460*30mm)	27.50x29.6	814.00	257.50	378.20	316	465	1.10	55.00	
Only Ten 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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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,

Muhammad Shahbaz Abbas
Executive Engineer
GE (Army)-I Gwa
Const of 8 x Sldrs Flats (G+3) Block No.3, HQ 1 ALRG at Gwa

Reference # CED/TFL **6744** (Dr. Ali Ahmed) Dated: 21-03-2025
Reference of the request letter # 6180-2856/12/E-6 Dated: 18-03-2025

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 (S.J Steel)

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	0.386	3/8	0.380	0.11	0.114	35.20	51.50	71900	69640	105200	101900	0.80	10.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: Only One Sample for tensile and One for Bend test.														
Bend Test														
3/8 Bar Bend Test Through 180º is Satisfactory. **(S.J 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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STRUCTURAL ENGINEERING DIVISION

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

To,

M. Yasir Kiani
Resident Engineer (JCP Wahga)
NESPAK, Pvt. Ltd. Lahore.
Expansion of Joint Check Post Wahga, Lahore.

Reference # CED/TFL **6746** (Dr. Ali Ahmed) Dated: 21-03-2025
Reference of the request letter # 4749/031/YK/01/155 Dated: 18-03-2025

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 (#)	Actual (inch)	Nominal	Actual	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.377	3	0.376	0.11	0.111	32.50	45.20	66400	65820	92400	91600	1.20	15.0	Aziz Steel
2	0.386	3	0.380	0.11	0.113	33.00	46.00	67500	65420	94000	91200	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: Only Two Samples for Tensile and One for Bend 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:
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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,

Head Construction Site.
ABL-UML P-199 & 200
Construction of ABL Upper Mall Lahore Plot No 199, 200.

Reference # CED/TFL **6747** (Dr. Ali Ahmed) Dated: 21-03-2025
Reference of the request letter # ABL-UML-AMC-QAQC-109 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 (#)	Actual (inch)	Nominal	Actual	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.374	3	0.374	0.11	0.110	36.20	46.70	74000	73930	95400	95400	1.40	17.5	(FF Steel)
2	0.379	3	0.377	0.11	0.111	36.70	47.20	75000	73960	96500	95200	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. **(FF 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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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 Ibrar
Innovative Construction Company
Shoring Works at Kingdom Arena, RUDA, Lahore.

Reference # CED/TFL **6748** (Dr. Ali Ahmed) Dated: 21-03-2025
Reference of the request letter # ICL/KA/PW/0324/05 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 (#)	Actual (inch)	Nominal	Actual	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.367	3	0.370	0.11	0.108	37.50	46.50	76600	78190	95000	97000	1.40	17.5	
2	0.364	3	0.369	0.11	0.107	39.50	48.70	80700	83050	99500	102400	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.														

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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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,

Sub Divisional Officer
Buildings Sub Division,
Layyah.

Revamping of 581 BHUs of South Punjab Tehsil Layyah & Selected BHUs of Tehsil Choubara (Phase-1) for the Year 2024-25

Reference # CED/TFL **6749** (Dr. Ali Ahmed) Dated: 21-03-2025
Reference of the request letter # 200/Ly Dated: 17-03-2025

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 (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.365	3	0.370	0.11	0.107	3020	4180	60600	61990	83800	85800	1.70	21.3	
2	0.359	3	0.366	0.11	0.105	2960	4080	59400	61880	81800	85300	1.60	20.0	
3	-	-	-	-	-	-	-	-	-	-	-	-	-	
4	-	-	-	-	-	-	-	-	-	-	-	-	-	
5	-	-	-	-	-	-	-	-	-	-	-	-	-	
6	-	-	-	-	-	-	-	-	-	-	-	-	-	
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

STRUCTURAL ENGINEERING DIVISION

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

To,

Resident Engineer
HA Consulting
Establishment/Construction of Model Bazar Sharaqpur District Sheikhupura.

Reference # CED/TFL **6753** (Dr. Ali Ahmed) Dated: 24-03-2025
Reference of the request letter # 25/HAC-MAS/RE/Sharaqpur/129 Dated: 19-03-2025

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 (#)	Actual (inch)	Nominal	Actual	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.373	3	0.373	0.11	0.110	39.20	48.00	80100	80400	98100	98500	1.10	13.8	Mughal Steel
2	0.373	3	0.373	0.11	0.110	37.70	47.50	77100	77340	97100	97500	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. **(Mughal 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,

Engr. Aziz ur Rehman
Assistant Resident Engineer
ACE-Arts

Reference # CED/TFL **6755** (Dr. Ali Ahmed) Dated: 24-03-2025
Reference of the request letter # NZEB/ACE/LAB/2025/29 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 (#)	Actual (inch)	Nominal	Actual	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.362	3	0.368	0.11	0.107	31.20	48.70	63800	65810	99500	102800	1.20	15.0	Karachi Steel
2	0.367	3	0.370	0.11	0.108	32.70	49.70	66800	68160	101600	103600	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: Only Two Sample for Tensile and One Sample for Bend Test.														
Bend Test														
#3 Bar Bend Test Through 180º is Satisfactory. **(Karachi 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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STRUCTURAL ENGINEERING DIVISION

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

To,

Muhammad Shahbaz Abbas
Executive Engineer
GE (Army)-I Gwa

Reference # CED/TFL **6757** (Dr. Ali Ahmed) Dated: 24-03-2025
Reference of the request letter # 6180-2843/10/E-6 Dated: 18-03-2025

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 (Inch)	Actual (inch)	Nominal	Actual	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.366	3/8	0.370	0.11	0.107	31.50	46.00	64400	65880	94000	96200	1.40	17.5	Aziz Steel
2	0.361	3/8	0.368	0.11	0.106	31.70	46.20	64800	67070	94400	97800	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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
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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 Shahbaz Abbas
Executive Engineer
GE (Army)-I Gwa

Reference # CED/TFL **6758** (Dr. Ali Ahmed) Dated: 24-03-2025
Reference of the request letter # 6180-2854/11/E-6 Dated: 19-03-2025

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 (Inch)	Actual (inch)	Nominal	Actual	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.365	3/8	0.369	0.11	0.107	32.20	45.70	65800	67490	93400	95800	1.50	18.8	Aziz Steel
2	0.363	3/8	0.368	0.11	0.107	32.50	46.20	66400	68510	94400	97400	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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
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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 Rehman Siddiqi
SDO B&R-I
GE (Army)-I Gwa
Const. of 8 x E Type Flats for HQ 1ALRG at Gwa

Reference # CED/TFL **6761 (**Dr. Ali Ahmed) Dated: 24-03-2025
Reference of the request letter # 6180-2843/10/E-6 Dated: 18-03-2025

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 (Inch)	Actual (inch)	Nominal	Actual	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.360	3/8	0.367	0.11	0.106	31.70	44.70	64800	67310	91300	94900	1.40	17.5	Aziz Steel
2	0.361	3/8	0.368	0.11	0.106	31.70	45.70	64800	67090	93400	96800	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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
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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. Farrukh Alvi
Deputy General Manager (Works)
Habib Rafiq Engineering (Pvt.) Ltd.
101 Tower, Lahore.

Reference # CED/TFL **6765** (Dr. Ali Ahmed) Dated: 25-03-2025
Reference of the request letter # HRLE/SKG/2025/Hunza/10-7.025/205 Dated: 25-03-2025

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 (mm)	Actual (inch)	Nominal	Actual	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.369	10	0.372	0.11	0.108	33.20	44.00	67900	68790	89900	91200	1.50	18.8	(Hunza Steel)
2	0.369	10	0.372	0.11	0.109	33.00	43.50	67500	68330	88900	90100	1.60	20.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: Only Two Sample for Tensile and One Sample for Bend Test.														
Bend Test														
10mm Bar Bend Test Through 180º is Satisfactory. **(Hunza 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,

Usman Habib
Project Engineer
New Diamond Glass House

Reference # CED/TFL **6766** (Dr. Ali Ahmed) Dated: 25-03-2025
Reference of the request letter # Nil Dated: 25-03-2025

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 (#)	Actual (inch)	Nominal	Actual	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.369	3	0.371	0.11	0.108	31.50	46.20	64400	65300	94400	95800	1.70	21.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: Only One 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:
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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,

Mohsin Abbas
QAQC Manager
Zameen Development
Construction of JADE Project by Zameen Development, Lahore Pakistan

Reference # CED/TFL **6768** (Dr. Ali Ahmed) Dated: 25-03-2025
Reference of the request letter # ZD/QAQC/SS2503-000136/JADE/07 Dated: 25-03-2025

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 (#)	Actual (inch)	Nominal	Actual	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.391	3	0.383	0.11	0.115	35.50	54.20	72600	69410	110800	106000	1.10	13.8	Heat# SS-108
2	0.382	3	0.378	0.11	0.112	34.00	53.20	69500	68090	108700	106600	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: Only Two Sample for Tensile and One Sample for Bend Test.														
Bend Test														
#3 Bar Bend Test Through 180º is Satisfactory. **(Heat# SS-108)**														

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,

Mohsin Abbas
QAQC Manager
Zameen Development
Construction of JADE Project by Zameen Development, Lahore Pakistan

Reference # CED/TFL **6769** (Dr. Ali Ahmed) Dated: 25-03-2025
Reference of the request letter # ZD/QAQC/KS-013347/Phoenix/13 Dated: 25-03-2025

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 (#)	Actual (inch)	Nominal	Actual	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.363	3	0.369	0.11	0.107	34.50	46.20	70500	72600	94400	97300	1.30	16.3	Heat # KS-M116
2	0.368	3	0.371	0.11	0.108	34.20	46.70	69900	70960	95400	96900	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: Only Two Sample for Tensile and One Sample for Bend Test.														
Bend Test														
#3 Bar Bend Test Through 180º is Satisfactory. **(Heat# KS-M116)**														

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,

Abdul Sattar
Infitech Engineering Pvt.

Reference # CED/TFL **6771** (Dr. Ali Ahmed) Dated: 25-03-2025
Reference of the request letter # Nil Dated: 25-03-2025

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 (#)	Actual (inch)	Nominal	Actual	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.364	3	0.369	0.11	0.107	33.00	45.50	67500	69320	93000	95600	1.40	17.5	
2	0.363	3	0.369	0.11	0.107	33.20	45.00	67900	69850	92000	94700	1.50	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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:
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