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 ASM Steel Buildings
Lahore

Reference # CED/TFL **6680** (Dr. M Rizwan Riaz) Dated: 10-03-2025
Reference of the request letter # Nil Dated: 10-03-2025

Tension Test Report (Page – 1/1)

Date of Test 14-03-2025
Gauge length 2 inches
Description HR Plate Steel 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)	(mm^2)	(kN)	(kN)	(MPa)	(MPa)	(in)		
1	4	26.90x3.60	96.84	37.70	51.70	389	534	0.70	35.00	
2	5	26.80x4.40	117.92	54.00	72.20	458	612	0.80	40.00	
3	6	26.70x5.60	149.52	76.00	97.70	508	653	0.70	35.00	
4	8	27.00x7.40	199.80	99.50	126.00	498	631	0.70	35.00	
5	10	26.80x9.30	249.24	74.50	119.50	299	479	0.70	35.00	
6	12	27.10x11.30	306.23	136.00	185.20	444	605	0.80	40.00	
Only Six Samples for Tensile Test										
Bend Test										

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,

Mustansar Abbasi
Project Manager, Agriculture Department
Jadeed Group of Companies Rawalpindi
Construction of Civil Works at Jadeed Farms Mankera Bhakkar.

Reference # CED/TFL **6690** (Dr. M Rizwan Riaz) Dated: 11-03-2025
Reference of the request letter # JF/UET/MK1/1 Dated: 06-03-2025

Tension Test Report (Page -1/2)

Date of Test 14-03-2025
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615
Pak Iron Steel

Sr. No.	Weight	Diameter/ Size (inch)		Area (in^2)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.364	3/8	0.369	0.11	0.107	38.20	49.20	78100	80300	100500	103500	0.90	11.3	
2	0.362	3/8	0.368	0.11	0.106	36.00	48.20	73600	75990	98500	101800	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Note: only two samples for tensile and one sample for bend test

Bend Test

3/8" Dia Bar Bend Test Through 180º is Satisfactory

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,

Mustansar Abbasi
Project Manager, Agriculture Department
Jadeed Group of Companies Rawalpindi
Construction of Civil Works at Jadeed Farms Mankera Bhakkar.

Reference # CED/TFL **6690** (Dr. M Rizwan Riaz) Dated: 11-03-2025
Reference of the request letter # JF/UET/MK1/2 Dated: 06-03-2025

Tension Test Report (Page -2/2)

Date of Test 14-03-2025
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615
Hunza Steel

Sr. No.	Weight	Diameter/ Size (inch)		Area (in^2)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.368	3/8	0.371	0.11	0.108	35.70	48.50	73000	74160	99100	100800	1.30	16.3	
2	0.369	3/8	0.371	0.11	0.108	35.20	48.20	71900	73010	98500	100000	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
3/8" Dia Bar Bend Test Through 180º is Satisfactory														

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,

Waleed
Resident Engineer, GIM Developers
Development of a Tower 51 New Garden Town Lahore Babar Block.

Reference # CED/TFL **6697** (Dr. M Rizwan Riaz) Dated: 12-03-2025
Reference of the request letter # Nil Dated: 12-03-2025

Tension Test Report (Page -1/1)

Date of Test 14-03-2025
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615 5-Star.

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	34.70	50.50	70900	70120	103200	102100	1.10	13.8	
2	0.377	3	0.376	0.11	0.111	34.50	50.70	70500	69970	103600	102900	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Note: only two samples for tensile and one sample for bend test

Bend Test

#3 Bar Bend Test Through 180º is Satisfactory

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,

Mr. Sulman
Material Manager, BH. Consultants
4-Story Commercial Building Construction (Frame Structure),
E1-Block, Valancia Society, Lahore.

Reference # CED/TFL **6700** (Dr. M Rizwan Riaz) Dated: 13-03-2025
Reference of the request letter # 030 Dated: 13-03-2025

Tension Test Report (Page -1/1)

Date of Test 14-03-2025
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615
5 Star 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 (#)	Actual (inch)	Nominal	Actual	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.359	3	0.366	0.11	0.105	30.20	46.70	61700	64350	95400	99600	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180º is Satisfactory														

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,

Nasir Mehmood
Construction Manager, Elite Engineering Pvt. Ltd.
Sitara 3 JAYS Tower.

Reference # CED/TFL **6702** (Dr. M Rizwan Riaz) Dated: 13-03-2025
Reference of the request letter # EEPL/08/EL-16 Dated: 13-03-2025

Tension Test Report (Page -1/1)

Date of Test 14-03-2025
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615
Sheikhoo 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 (#)	Actual (inch)	Nominal	Actual	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.371	3	0.373	0.11	0.109	33.70	46.20	68900	69380	94400	95200	1.30	16.3	
2	0.371	3	0.372	0.11	0.109	33.20	46.20	67900	68450	94400	95300	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

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
Expansion of Joint Chek Post Wahga, Lahore.

Reference # CED/TFL **6703** (Dr. M Rizwan Riaz) Dated: 13-03-2025
Reference of the request letter # 4749/031/YK/01/151 Dated: 12-03-2025

Tension Test Report (Page -1/1)

Date of Test 14-03-2025
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615
Aziz 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 (#)	Actual (inch)	Nominal	Actual	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.361	3	0.367	0.11	0.106	36.50	48.50	74600	77360	99100	102800	1.10	13.8	
2	0.363	3	0.369	0.11	0.107	33.00	48.20	67500	69440	98500	101500	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

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,

M/S High Rise Builders
Lahore.

Reference # CED/TFL **6705** (Dr. M Rizwan Riaz) Dated: 13-03-2025
Reference of the request letter # Nil Dated: 13-03-2025

Tension Test Report (Page -1/1)

Date of Test 14-03-2025
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	0.360	3	0.367	0.11	0.106	31.00	48.00	63400	65910	98100	102100	1.00	12.5	
2	0.367	3	0.370	0.11	0.108	31.70	49.00	64800	66080	100100	102200	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														

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,

M/S Shangrila Foods (Private) limited.
Karachi

Reference # CED/TFL **6704** (Dr. M Rizwan Riaz) Dated: 13-03-2025
Reference of the request letter # Nil Dated: 12-03-2025

Tension Test Report (Page -1/1)

Date of Test 14-03-2025
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	0.406	3	0.390	0.11	0.119	36.20	51.20	74000	68130	104600	96400	1.30	16.3	
2	0.405	3	0.389	0.11	0.119	35.50	51.00	72600	67070	104200	96400	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Note: only two samples for tensile and one sample for bend test

Bend Test

#3 Bar Bend Test Through 180º is Satisfactory

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,

Tariq Fateh
Project Manager, Jilani Poly Industries (Pvt) Ltd.
Construction of Jilani Poly-2 Extension Sheikhupura.

Reference # CED/TFL **6706** (Dr. Asad Ali) Dated: 13-03-2025
Reference of the request letter # JP-2/UET/2025/S-0014 Dated: 13-03-2025

Tension Test Report (Page -1/1)

Date of Test 14-03-2025
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615
Prime 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 (#)	Actual (inch)	Nominal	Actual	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.384	3	0.379	0.11	0.113	33.50	50.00	68500	66710	102200	99600	1.50	18.8	
2	0.383	3	0.378	0.11	0.113	33.50	50.00	68500	66900	102200	99900	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Note: only two samples for tensile and one sample for bend test

Bend Test

#3 Bar Bend Test Through 180º is Satisfactory

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,

Engr. M. Bilawal Mehmood
Resident Engineer ECSP
Smart Safe Cities Project (South)

Reference # CED/TFL **6709** (Dr. M Rizwan Riaz) Dated: 14-03-2025
Reference of the request letter # ECSP/PSCS/RE/009 Dated: 13-03-2025

Tension Test Report (Page -1/1)

Date of Test 14-03-2025
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615
Mughal Supreme

Sr. No.	Weight	Diameter/ Size (mm)		Area (in^2)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kN)	(kN)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.371	10	9.47	0.12	0.109	4030	4840	74038	81380	88919	97800	1.00	12.5	
2	0.365	10	9.39	0.12	0.107	3820	4710	70180	78390	86531	96700	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
10mm Dia Bar Bend Test Through 180º is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
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