



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

To,
 Project Manager
 Q-Link Property Construction Pvt Ltd
 Construction of JGM, OM, BH-3, JH, SH, Eastern Villas Bahria Town Lahore

Reference # CED/TFL **2027** (Dr. Rizwan Azam) Dated: 29-09-2022
 Reference of the request letter # QLC-UET-JGM-2022-09-LTR-299-4 Dated: 29-09-2022

Tension Test Report (Page -1/1)

Date of Test 03-10-2022
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal (#)	Actual (inch)	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.392	3	0.383	0.11	0.115	4100	6000	82200	78370	120300	114700	1.50	18.8	SJ Steel
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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Note: only one sample for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

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,
 Director PMU
 University of Management and Technology, Lahore
 Steel of Beams & Slab of G.F.

Reference # CED/TFL **2030** (Dr. Rizwan Riaz)
 Reference of the request letter # CB-2/10/22

Dated: 29-09-2022
 Dated: 29-09-2022

Tension Test Report (Page -1/2)

Date of Test 03-10-2022
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal (#)	Actual (inch)	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.363	3	0.368	0.11	0.107	3400	5000	68200	70320	100200	103500	1.10	13.8	
2	0.361	3	0.368	0.11	0.106	3400	5100	68200	70570	102200	105900	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

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,
 Director PMU
 University of Management and Technology, Lahore
 Steel of F.F Beams & Slab

Reference # CED/TFL **2030** (Dr. Rizwan Riaz)
 Reference of the request letter # CB-2/14/22

Dated: 29-09-2022
 Dated: 29-09-2022

Tension Test Report (Page -2/2)

Date of Test 03-10-2022
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal (#)	Actual (inch)	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.360	3	0.367	0.11	0.106	3100	4500	62200	64640	90200	93900	1.20	15.0	
2	0.358	3	0.366	0.11	0.105	3100	4500	62200	65020	90200	94400	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

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,
 Project Director (North-3)
 WASO-PAEC
 “Construction of 120 Rooms Residential Building for Friendship at FFP Site”

Reference # CED/TFL **2031** (Dr. Rizwan Azam)

Dated: 29-09-2022

Reference of the request letter # WASO-CMD-LOI-158/C/1886

Dated: 12-09-2022

Tension Test Report (Page -1/1)

Date of Test 03-10-2022

Gauge length 8 inches

Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal (#)	Actual (inch)	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.405	3	0.389	0.11	0.119	3600	5300	72200	66630	106200	98100	1.00	12.5	SJ Steel
2	0.385	3	0.380	0.11	0.113	3500	5000	70200	68180	100200	97400	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

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,
 Resident Engineer
 Engineering Services Consultant (Pvt) Ltd
 Construction of Carpeted Road from Chak via Jano Chak Khurd Bansi Sheikh Ali Pur Rajoya
 with Link Chak Saida to Charanwala 11.60 km.
 Reference # CED/TFL **2032** (Dr. Rizwan Azam) Dated: 29-09-2022
 Reference of the request letter # RE/ADP/MBD/88 Dated: 05-09-2022

Tension Test Report (Page -1/1)

Date of Test 03-10-2022
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks	
		Nominal (#)	Actual (inch)	Nominal	Actual			Nominal	Actual	Nominal	Actual				
1	0.378	3	0.376	0.11	0.111	4400	6200	88200	87330	124300	123100	0.80	10.0	Mehboob Steel	
2	0.379	3	0.377	0.11	0.112	3700	5000	74200	73110	100200	98800	1.20	15.0		
-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-		
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Note: only two samples for tensile and one sample for bend test															
Bend Test															
#3 Bar Bend Test Through 180° is Satisfactory															

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,
 Asst Dir
 Defence Housing Authority
 Bahawalpur
 (Masjid-03 Sector-A Arif Naveed Sahara Construction Pvt Ltd.)

Reference # CED/TFL **2035** (Dr. Rizwan Azam)
 Reference of the request letter # 530/QC/MTL

Dated: 30-09-2022
 Dated: 30-09-2022

Tension Test Report (Page -1/1)

Date of Test 03-10-2022
 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	0.373	3	0.374	0.11	0.110	3200	4800	64200	64260	96200	96400	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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Note: only one sample for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

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,
 Manager Civil
 Nishat Mills Limited
 Dyeing & Finishing Plant
 Lahore
 (S-J Steel Re Rolling Steel Mills (Pvt.) Limited.)

Reference # CED/TFL **2036** (Dr. Rizwan Azam)
 Reference of the request letter # NDF/SJST/002

Dated: 30-09-2022

Dated: 29-09-2022

Tension Test Report (Page -1/1)

Date of Test 03-10-2022

Gauge length 8 inches

Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (mm)		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.411	10	9.96	0.12	0.121	3900	5700	71650	71150	104719	104000	1.00	12.5	
2	0.415	10	10.01	0.12	0.122	3900	5700	71650	70500	104719	103100	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
10mm Dia Bar Bend Test Through 180° is Satisfactory														

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,
 Resident Engineer (ACE) ARTS
 GC University, Lahore
 Construction Works of Residence Apartments / Buildings at New Campus of GC University
 Lahore KSK

Reference # CED/TFL **2037** (Dr. Rizwan Azam)
 Reference of the request letter # GCU/Engr/3002/P

Dated: 30-09-2022
 Dated: 29-09-2022

Tension Test Report (Page -1/1)

Date of Test 03-10-2022
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal (#)	Actual (inch)	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.371	3	0.372	0.11	0.109	3200	5000	64200	64730	100200	101200	1.10	13.8	Gujjar Steel
2	0.371	3	0.373	0.11	0.109	3200	5000	64200	64600	100200	101000	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

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,
 Resident Engineer
 Bahria Town Private Limited
 Strom Water Drain at Sector "G" Bahria Town Lahore

Reference # CED/TFL **2038** (Dr. Rizwan Riaz)
 Reference of the request letter # QA/QC-Steel-2825

Dated: 30-09-2022
 Dated: 28-09-2022

Tension Test Report (Page -1/1)

Date of Test 03-10-2022
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal (#)	Actual (inch)	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.375	3	0.375	0.11	0.110	3500	4600	70200	69980	92200	92000	1.10	13.8	
2	0.374	3	0.374	0.11	0.110	3500	4500	70200	70100	90200	90200	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

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,
 Project Manager
 Baig Construction
 Construction of Jinnah Squair Mall Khyaban e Jinnah Road, Lahore

Reference # CED/TFL **2040** (Dr. Rizwan Riaz)
 Reference of the request letter # CBT/UET/04

Dated: 30-09-2022
 Dated: 30-09-2022

Tension Test Report (Page -1/1)

Date of Test 03-10-2022
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal (#)	Actual (inch)	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.359	3	0.367	0.11	0.106	3300	4900	66200	68930	98200	102400	1.30	16.3	
2	0.368	3	0.371	0.11	0.108	3200	4900	64200	65170	98200	99800	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

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,
Manager Projects
M/S Projex
Engro Enfrashare
Site ID:- ES2-UKT-06095, EN1-PSW-06794, EN1-PSW-06806, ES2-UBA-06364

Reference # CED/TFL **2042** (Dr. Rizwan Azam)
Reference of the request letter # PCP/Eng-06

Dated: 30-09-2022
Dated: 10-06-2022

Tension Test Report (Page -1/2)

Date of Test 03-10-2022
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (mm)		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.395	10	9.77	0.12	0.116	4100	5200	75324	77840	95533	98800	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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Note: only one sample for tensile test														
Bend Test														

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,
 Manager Projects
 M/S Projex
 Engro Enfrashare
 Site ID:- ES2-DRK-06471, EC2-FSD-04631, EC2-MZG-06674, EC1-SKT-06469

Reference # CED/TFL **2042** (Dr. Rizwan Azam)
 Reference of the request letter # PCP/Eng-06

Dated: 30-09-2022
 Dated: 10-06-2022

Tension Test Report (Page -2/2)

Date of Test 03-10-2022
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (mm)		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.388	10	9.68	0.12	0.114	3900	5000	71650	75380	91858	96700	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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Note: only one sample for tensile test														
Bend Test														

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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,
 Assistant Project Engineer
 Jv Building Section
 Defence Housing Authority
 Gujranwala

Construction of Office Complex DHA Gwa
 Reference # CED/TFL **2043** (Dr. Rizwan Azam)
 Reference of the request letter # 111/3/APE JV Bldgs/Gen/01

Dated: 30-09-2022

Dated: 29-09-2022

Tension Test Report (Page -1/1)

Date of Test 03-10-2022
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal (#)	Actual (inch)	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.422	3	0.398	0.11	0.124	4600	5600	92200	81690	112300	99500	1.20	15.0	Afco Steel
2	0.415	3	0.394	0.11	0.122	4600	5600	92200	83030	112300	101100	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

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,
 Project Manager
 Banu Mukhtar Contracting (Pvt.) Ltd
 Roomi Fabrics Lrd., Quaid-e-Azam Business Park, Sheikhpura

Reference # CED/TFL **2044** (Dr. Rizwan Azam)
 Reference of the request letter # Nil

Dated: 30-09-2022
 Dated: 30-09-2022

Tension Test Report (Page -1/1)

Date of Test 03-10-2022
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (mm)		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.430	10	10.19	0.12	0.126	3800	5600	69812	66270	102881	97700	1.50	18.8	Moiz Steel
2	0.426	10	10.14	0.12	0.125	3900	5600	71650	68720	102881	98700	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
10mm Dia Bar Bend Test Through 180° 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,
 Resident Engineer
 AZ Engineering Associates
 Dualization of Road from Shadiwal to Chak Gillan L = 16.50 kms District Gujrat (Group-1 km
 no. 0.00 to 8.50 Except Bridge and Approaches, L = 8.00 kms)

Reference # CED/TFL **2045** (Dr. Rizwan Riaz)
 Reference of the request letter # AZEA/RE/GRW/270

Dated: 30-09-2022
 Dated: 12-05-2022

Tension Test Report (Page -1/1)

Date of Test 03-10-2022
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (inch)		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.381	3/8	0.378	0.11	0.112	3400	5100	68200	66920	102200	100400	1.10	13.8	
2	0.380	3/8	0.377	0.11	0.112	3200	5000	64200	63210	100200	98800	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
3/8" Dia Bar Bend Test Through 180° is Satisfactory														

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,
 Project Manager
 HMB Developers Pvt. Ltd
 Commercial Tower, FTC Lahore

Reference # CED/TFL **2046** (Dr. Rizwan Riaz)
 Reference of the request letter # HMBDPL/S.O/09/22/30th (LHR)

Dated: 30-09-2022
 Dated: 30-09-2022

Tension Test Report (Page -1/1)

Date of Test 03-10-2022
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal (#)	Actual (inch)	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.371	3	0.372	0.11	0.109	3800	4800	76200	76870	96200	97100	1.30	16.3	
2	0.372	3	0.373	0.11	0.109	3700	4600	74200	74680	92200	92900	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180° 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,
 Sub Divisional Officer
 Building Sub Division
 Pattoki
 (Construction of Additional Academic Block at Govt. Degree College Pattoki for Boys, Pattoki
 District Kasur)
 Reference # CED/TFL **2047** (Dr. Rizwan Azam) Dated: 30-09-2022
 Reference of the request letter # 80/P Dated: 26-09-2022

Tension Test Report (Page -1/2)

Date of Test 03-10-2022
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (inch)		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.375	3/8	0.375	0.11	0.110	3100	4600	62200	61950	92200	92000	1.50	18.8	
2	0.380	3/8	0.377	0.11	0.112	2900	4400	58200	57170	88200	86800	1.50	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two 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
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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,
 Sub Divisional Officer
 Buildings Sub Division
 Kasur
 (Construction of Child Protection Units (Phase-I) One at District Kasur)

Reference # CED/TFL **2047** (Dr. Rizwan Azam)
 Reference of the request letter # 813/K

Dated: 30-09-2022
 Dated: 26-09-2022

Tension Test Report (Page -2/2)

Date of Test 03-10-2022
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (inch)		Area (in ²)		Yield load (kg)	Breaking Load (kg)	Yield Stress (psi)		Ultimate Stress (psi)		Elongation (inch)	% Elongation	Remarks
		Nominal	Actual	Nominal	Actual			Nominal	Actual	Nominal	Actual			
1	0.375	3/8	0.375	0.11	0.110	3200	4700	64200	63920	94200	93900	1.40	17.5	
2	0.370	3/8	0.372	0.11	0.109	2900	4600	58200	58810	92200	93300	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two 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
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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

Ref: CED/TFL/09/2049, 2050

Dated: 30-09-2022

Dated of Test: 03-10-2022

To

M/s National Technocommercial Services (Private) Limited
Lahore

Subject: - BREAKING LOAD TEST OF LUG (MK-1) No. 59 (NTS with Harding)
(Page # 1/2)

Reference to your Letter No. NTS/DC-Lug59/DC/22, dated: 30/09/2022, on the subject cited above. Two Lug (dia 44.3 mm, Length 66.5mm) with assembly as received by us have been tested. The results are shown below:

Sample No.	:	1
Breaking Load	:	15300 kg
Remarks	:	Lug was broken
Sample No.	:	2
Breaking Load	:	14800 kg
Remarks	:	Lug was broken

Witness by CDR Yasir Shahzad (PN) and Riaz Ahmed (Manager NRS)

I/C Testing Laboratories
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

Ref: CED/TFL/09/2049, 2050

Dated: 30-09-2022

Dated of Test: 03-10-2022

To

M/s National Technocommercial Services (Private) Limited
Lahore

Subject: - BREAKING LOAD TEST OF LUG (MK-2) No. 43A (NTS with Harding)
(Page # 2/2)

Reference to your Letter No. NTS/DC-Lug43A/22, dated: 30/09/2022, on the subject cited above. One Lug (dia 44 mm, Length 59mm) with assembly as received by us has been tested. The results are shown below:

Sample No.	:	1
Breaking Load	:	14400 kg
Remarks	:	Lug was broken
Sample No.	:	2
Breaking Load	:	15400 kg
Remarks	:	Lug was broken

Witness by CDR Yasir Shahzad (PN) and Riaz Ahmed (Manager NRS)

I/C Testing Laboratories
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