STRUCTURAL ENGINEERING DIVISION

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

To,
Manager Monotoring & Coordination
Shajar Roads Limited
Dualization of Sheikhupura – Gujranwala Road

Reference # CED/TFL **37036** (Dr. Waseem Abbbass) Dated: 13-09-2021
Reference of the request letter # MMC/SRL/SGRP/133 Dated: 12-09-2021

Tension Test Report (Page -1/2)

Date of Test 17-09-2021
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	0.390	3	0.382	0.11	0.115	4100	5050	82200	78870	101200	97200	1.00	12.5	Amreli Steel
2	0.386	3	0.380	0.11	0.114	3720	5050	74600	72190	101200	98000	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
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

o,
Manager Monotoring & Coordination
Shajar Roads Limited
Dualization of Sheikhupura – Gujranwala Road

Reference # CED/TFL **37036** (Dr. Waseem Abbbass) Dated: 13-09-2021
Reference of the request letter # MMC/SRL/SGRP/128 Dated: 12-09-2021

Tension Test Report (Page -2/2)

Date of Test 17-09-2021
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

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	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	4.207	32	31.87	1.25	1.237	44900	57600	79189	80020	101588	102700	1.10	13.8	Razaque Steel
2	4.256	32	32.06	1.25	1.251	45600	58400	80424	80340	102999	102900	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
32mm 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,
Amtual Hai Enterprises
Lahore

Reference # CED/TFL **37045** (Dr. Waseem Abbass) Dated: 14-09-2021
Reference of the request letter # Nil Dated: 14-09-2021

Tension Test Report (Page -1/1)

Date of Test 17-09-2021
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	0.357	3	0.365	0.11	0.105	4000	4840	80200	84110	97000	101800	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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,
Chief Resident Engineer
JIP Consultants
Project Implementation Consultants (PICs) – Jalapur Irrigation Project (JIP)
Construction of Jalalpur Irrigation Canal and Its System (RD 0+000 to 52+000)

Reference # CED/TFL **37046** (Dr. Waseem Abbass) Dated: 14-09-2021
Reference of the request letter # JIP/TECH/CRE/301 Dated: 10-09-2021

Tension Test Report (Page – 1/2)

Date of Test 17-09-2021
Gauge length 8 inches
Description G.I Wire Tensile Test

Sr. No.	Weight	Diameter/ Size (mm)		Area (mm^2)		Yield load	Breaking Load	Yield Stress	Ultimate Stress	Elongation	% Elongation	Remarks
	(kg/m)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	(MPa)	(MPa)	(inch)		
1	0.102	--------	4.06	--------	12.9	--------	660	--------	501	0.90	11.3	
2	0.101	--------	4.06	--------	12.9	--------	630	--------	478	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile test												
Bend Test												

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,
Chief Resident Engineer
JIP Consultants
Project Implementation Consultants (PICs) – Jalapur Irrigation Project (JIP)
Construction of Jalalpur Irrigation Canal and Its System (RD 0+000 to 52+000)

Reference # CED/TFL **37046** (Dr. Waseem Abbass) Dated: 14-09-2021
Reference of the request letter # JIP/TECH/CRE/301 Dated: 10-09-2021

Size Test Report (Page – 2/2)

Date of Test 17-09-2021
Description Hot Dip Galvanized Wire Thickness Test

Sr. No.	Designation	Measured Diameter	Remark
	------	(mm)	
1	**Hot Dip Galvanized Wire**	**4.00**	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
Only One Sample for 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,
Sub Divisional Officer
Public Health Engg: Sub Division
Faisalabad
(Provision of Sewerage System at Dijkot District Faisalabad)

Reference # CED/TFL **37047** (Dr. Waseem Abbass) Dated: 14-09-2021
Reference of the request letter # 148 Dated: 28-08-2021

Tension Test Report (Page -1/1)

Date of Test 17-09-2021
Gauge length 8 inches
Description Deformed Steel Bar Tensile Test

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	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.095	3/16	0.188	------	0.028	1140	1270	------	90380	------	100700	0.90	11.3	
-	0.092	3/16	0.185	------	0.027	680	870	------	55710	------	71300	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile test														
Bend Test														

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,
Admin. Manager
The Signatures
MCB – Qaboola Branch, Bahawalnagar
(M/s Faisal Associates)

Reference # CED/TFL **37048** (Dr. Waseem Abbass) Dated: 14-09-2021
Reference of the request letter # Nil Dated: 14-09-2021

Tension Test Report (Page -1/1)

Date of Test 17-09-2021
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

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	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.399	3/8	0.386	0.11	0.117	4150	4960	83200	78020	99400	93300	1.00	12.5	
2	0.374	3/8	0.374	0.11	0.110	3740	4540	75000	74970	91000	91100	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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,
M/S Pak Elektron Limited
Ferozepur Road, Lahore
(International Steel Limited – IGP No. 38829)

Reference # CED/TFL **37051** (Dr. Waseem Abbass) Dated: 14-09-2021
Reference of the request letter # I & QC Dated: 14-09-2021

Tension Test Report (Page – 1/1)

Date of Test 17-09-2021
Gauge length 8 inches
Description M.S. C.R Sheet 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	**1.2**	**30.60x1.20**	**36.72**	**11.20**	**15.00**	**305**	**408**	**0.90**	**11.25**	
-		-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
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,
M/S CM Engineering (Pvt) Ltd
Lahore
CMPAK Site ID: 53250, 52876, 53240, 53214, 53216, 51800, 51780, 53190, 53213

Reference # CED/TFL **37054** (Dr. Waseem Abbass) Dated: 15-09-2021
Reference of the request letter # CME/Steel/CMPAK/308 Dated: 14-09-2021

Tension Test Report (Page -1/1)

Date of Test 17-09-2021
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

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	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.375	10	9.52	0.12	0.110	3840	4840	70547	76770	88919	96800	1.00	12.5	
2	0.375	10	9.51	0.12	0.110	3920	4940	72017	78450	90756	98900	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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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 Matrix Management (Pvt) Ltd
Lahore

Reference # CED/TFL **37055** (Dr. Qasim Khan) Dated: 16-09-2021
Reference of the request letter # MM/Project/TR/41 Dated: 15-09-2021

Tension Test Report (Page -1/1)

Date of Test 17-09-2021
Gauge length 8 inches
Description Deformed Steel Bar Tensile Test as per ASTM-A615

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	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.359	3/8	0.367	0.11	0.106	3700	4800	74200	77290	96200	100300	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile test														
Bend Test														

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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,
Manager Construction
Orient Electronics (Pvt) Ltd
Construction of Orient Square Hotel Tower Johar Town

Reference # CED/TFL **37056** (Dr. Qasim Khan) Dated: 16-09-2021
Reference of the request letter # OSH-SO/UET/SJSteel/160921-42 Dated: 16-09-2021

Tension Test Report (Page -1/1)

Date of Test 17-09-2021
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	0.368	3	0.371	0.11	0.108	3400	4900	68200	69320	98200	99900	1.10	13.8	
2	0.370	3	0.372	0.11	0.109	3200	4900	64200	64840	98200	99300	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

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
New Metro City Housing Scheme
Sara-I-Alamgir

Reference # CED/TFL **37057** (Dr. Qasim Khan) Dated: 17-09-2021
Reference of the request letter # PD/NMC/21/390 Dated: 11-09-2021

Tension Test Report (Page -1/2)

Date of Test 17-09-2021
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

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	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.406	3/8	0.390	0.11	0.119	4400	5800	88200	81200	116300	107100	1.00	12.5	AF Steel
2	0.408	3/8	0.391	0.11	0.120	4400	5700	88200	80850	114300	104800	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 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,
Project Director
New Metro City Housing Scheme
Sara-I-Alamgir

Reference # CED/TFL **37057** (Dr. Qasim Khan) Dated: 17-09-2021
Reference of the request letter # PD/NMC/21/391 Dated: 16-09-2021

Tension Test Report (Page -2/2)

Date of Test 17-09-2021
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

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	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)		
1	0.404	3/8	0.389	0.11	0.119	6000	7100	120300	111440	142300	131900	0.60	7.5	AF Steel
2	0.401	3/8	0.388	0.11	0.118	6100	7100	122300	113980	142300	132700	0.70	8.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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,
Resident Engineer
Raees Faheem Associates
Construction of Club (Banquet Hall-Finishing) Works at DHA Bahawalpur

Reference # CED/TFL **37058** (Dr. Qasim Khan) Dated: 17-09-2021
Reference of the request letter # RF/FBQH/DHA/MT/12/2 Dated: 15-09-2021

Tension Test Report (Page -1/1)

Date of Test 17-09-2021
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	0.382	3	0.378	0.11	0.112	4100	5700	82200	80540	114300	112000	0.80	10.0	AF Steel
2	0.381	3	0.378	0.11	0.112	4100	5700	82200	80640	114300	112200	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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:
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/S Prime Steel
Lahore

Reference # CED/TFL **37062** (Dr. Qasim Khan) Dated: 17-09-2021
Reference of the request letter # Nil Dated: 17-09-2021

Tension Test Report (Page -1/1)

Date of Test 17-09-2021
Gauge length 8 inches
Description Deformed Steel Bar Tensile 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	0.399	3	0.386	0.11	0.117	3200	4900	64200	60210	98200	92200	1.40	17.5	
2	0.395	3	0.385	0.11	0.116	3100	4800	62200	58800	96200	91100	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile test														
Bend Test														

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:
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