



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 Infra
 Defence Housing Authority, Gujranwala
 “Main Bulevard Extension (RD 17+32 to 82+62)”

Reference # CED/TFL **3937** (Dr. Rizwan Azam)
 Reference of the request letter # 111/15/AD/RS/Lab/MBE/106

Dated: 20-09-2023
 Dated: 13-09-2023

Tension Test Report (Page -1/1)

Date of Test 21-09-2023
 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	0.377	3	0.376	0.11	0.111	3100	4900	62200	61630	98200	97500	1.30	16.3	SJ Steel
2	0.377	3	0.375	0.11	0.111	3100	4600	62200	61730	92200	91600	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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
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To,

M/S Linker Developers (Pvt) Ltd.
Lahore
(Construction of Boiler Foundation)

Reference # CED/TFL **3939** (Dr. Rizwan Azam)
Reference of the request letter # Nil

Dated: 20-09-2023
Dated: 18-09-2023

Tension Test Report (Page -1/1)

Date of Test 21-09-2023
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	0.372	3	0.373	0.11	0.109	3900	4700	78200	78620	94200	94800	0.90	11.3	
2	0.371	3	0.372	0.11	0.109	3900	4900	78200	78880	98200	99200	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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 Laboratories
UET Lahore, Pakistan.

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To,
Resident Engineer
ACES Pvt Ltd.
PC-07 along Sector T, X, W1 & W2, DHA Multan.

Reference # CED/TFL **3940** (Dr. Rizwan Azam)
Reference of the request letter # ACES/Gen/Lab/113

Dated: 20-09-2023
Dated: 11-09-2023

Tension Test Report (Page -1/1)

Date of Test 21-09-2023
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	0.396	3	0.385	0.11	0.117	3600	5300	72200	68090	106200	100300	1.20	15.0	SJ Steel	
2	0.374	3	0.374	0.11	0.110	3100	4700	62200	62210	94200	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
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To,

Assistnt Resident Engineer
 JERS Consultancy (Pvt) Ltd
 Punjab Cities Program (PCP - II) Construction of SWM Parking Area in Wazirabad City.

Reference # CED/TFL **3942** (Dr. Rizwan Azam)

Dated: 20-09-2023

Reference of the request letter # 488-J01/JERS/PMDFC/MC/WZD/11

Dated: 22-08-2023

Tension Test Report (Page -1/1)

Date of Test 21-09-2023

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	0.391	3	0.383	0.11	0.115	3000	4600	60200	57500	92200	88200	1.50	18.8	Islamabad Diamond Steel
2	0.379	3	0.376	0.11	0.111	3000	4600	60200	59410	92200	91100	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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To,

SDM Project
 Azgard Nine Limited.
 Construction / Upgradation of Dryer Hall & Resin Hall (GBU) Azagard9 Limited.

Reference # CED/TFL **3943** (Dr. Rizwan Azam)
 Reference of the request letter # Az/Pro/001

Dated: 20-09-2023
 Dated: 01-09-2023

Tension Test Report (Page -1/1)

Date of Test 21-09-2023
 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	4900	64200	64730	98200	99200	1.30	16.3	Ittefaq Steel
2	0.374	3	0.374	0.11	0.110	3300	4900	66200	66200	98200	98300	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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To,
Chairman
Eagle Developers
Project of Dream Galleria, Dream Garden, Lahore

Reference # CED/TFL **3944** (Dr. Rizwan Azam)
Reference of the request letter # Nil

Dated: 20-09-2023
Dated: 15-09-2023

Tension Test Report (Page -1/1)

Date of Test 21-09-2023
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	3700	4800	74200	70840	96200	91900	0.80	10.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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
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To,
Asst Dir Infra
Defence Housing Authority, Gujranwala
"Sector C"

Reference # CED/TFL **3947** (Dr. Ali Ahmed)
Reference of the request letter # 111/15/AD/RS/Lab/Pkg-2A/1671

Dated: 21-09-2023
Dated: 20-09-2023

Tension Test Report (Page -1/1)

Date of Test 21-09-2023
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	0.381	3	0.378	0.11	0.112	3300	5100	66200	64920	102200	100400	1.00	12.5	Nonee Steel
2	0.380	3	0.377	0.11	0.112	3400	5100	68200	67040	102200	100600	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

Witness by Hafiz Danish (L.T DHA Grw) and Waqas (M/s Shahid & Co.)

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UET Lahore, Pakistan.

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