



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

To,  
 Campus Engineer  
 GC University, Lahore  
 Construction of Library GC University, Kala Shah Kaku Campus, Lahore

Reference # CED/TFL **1830** (Dr. Rizwan Azam)  
 Reference of the request letter # GCU/Engr/2097/P

Dated: 25-08-2022  
 Dated: 18-08-2022

**Tension Test Report** (Page -1/1)

Date of Test 29-08-2022  
 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 <sup>2</sup> )		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	0.379	3/8	0.377	0.11	0.111	3700	4900	74200	73190	98200	97000	1.20	15.0	Ravi Steel
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only one sample for tensile and one sample for bend test</b>														
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](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



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To,  
 Procurement Manager  
 Premier Developers & Builders  
 Lyallpur Galleria-II near Four Season Colony Samundri Road, Faisalabad

Reference # CED/TFL **1831** (Dr. Rizwan Azam)  
 Reference of the request letter # LG-II/022

Dated: 25-08-2022  
 Dated: 23-08-2022

**Tension Test Report** (Page -1/2)

Date of Test 29-08-2022  
 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 <sup>2</sup> )		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	0.374	3	0.374	0.11	0.110	3800	5300	76200	76130	106200	106200	1.00	12.5	FF Steel
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only one sample for tensile and one sample for bend test</b>														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

**I/C Testing Laboratoires**  
**UET Lahore, Pakistan.**

Note:

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To,  
 Sub Divisional Officer  
 Highway Sub Division  
 Ahmedpur East  
 (Kotla Musa Khan to Kachi Mor and Flyover at Firdous Cinema Phatak Tehsil Ahmedpur East  
 District Bahawalpur)  
 Reference # CED/TFL **1835** (Dr. Rizwan Azam) Dated: 25-08-2022  
 Reference of the request letter # 238 Dated: 22-08-2022

**Tension Test Report** (Page -1/1)

Date of Test 29-08-2022  
 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 <sup>2</sup> )		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	4.304	10/8	1.269	1.27	1.265	35200	57000	61100	61330	99000	99400	1.00	12.5	
2	4.307	10/8	1.270	1.27	1.266	34800	56200	60400	60590	97600	97900	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only one sample for tensile and one sample for bend test</b>														
Bend Test														
10/8" Dia Bar Bend Test Through 180° is Satisfactory														

**I/C Testing Laboratories**  
**UET Lahore, Pakistan.**

Note:

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**STRUCTURAL ENGINEERING DIVISION**  
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**University of Engineering and Technology Lahore, 54890**  
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To,  
 Project Engineer  
 MEFA Industries Pvt Ltd.  
 Construction of Underground Electrification and Street Light System at Fazaia Housing Scheme  
 Phase-1 Gujranwala

Reference # CED/TFL **1836** (Dr. Rizwan Azam)  
 Reference of the request letter # MEFA/AHD/721

Dated: 25-08-2022  
 Dated: 25-08-2022

**Tension Test Report** (Page -1/1)

Date of Test 29-08-2022  
 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 <sup>2</sup> )		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	0.380	3	0.377	0.11	0.112	3200	5000	64200	63180	100200	98800	1.20	15.0	
2	0.381	3	0.378	0.11	0.112	3300	5000	66200	64950	100200	98400	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only two samples for tensile and one sample for bend test</b>														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

**I/C Testing Laboratoires**  
**UET Lahore, Pakistan.**

Note:

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**STRUCTURAL ENGINEERING DIVISION**  
**Test Floor Laboratory**  
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To,  
 Resident Engineer  
 City Survey & Engineering Consultants  
 Green View Executive Apartments Phase-V

Reference # CED/TFL **1839** (Dr. Rizwan Azam)  
 Reference of the request letter # GVA/RE/11/22

Dated: 25-08-2022  
 Dated: 24-08-2022

**Tension Test Report** (Page -1/1)

Date of Test 29-08-2022  
 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 <sup>2</sup> )		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	0.380	3	0.377	0.11	0.112	3900	5100	78200	76860	102200	100600	1.10	13.8	
2	0.382	3	0.378	0.11	0.112	3800	5000	76200	74690	100200	98300	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only two samples for tensile and one sample for bend test</b>														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

**I/C Testing Laboratoires**  
**UET Lahore, Pakistan.**

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To,  
 QA/QC Engineer  
 Banu Mukhtar Contracting (Pvt) Ltd  
 Construction of New Canteen Building (US Apparel Unit No. 5)

Reference # CED/TFL **1841** (Dr. Rizwan Azam)  
 Reference of the request letter # Nil

Dated: 26-08-2022  
 Dated: 26-08-2022

**Tension Test Report** (Page -1/1)

Date of Test 29-08-2022  
 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 <sup>2</sup> )		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	0.404	3	0.389	0.11	0.119	3800	5000	76200	70510	100200	92800	1.30	16.3	Agha Steel
2	0.407	3	0.390	0.11	0.120	3900	5000	78200	71930	100200	92300	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only two samples for tensile and one sample for bend test</b>														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

**I/C Testing Laboratoires**  
**UET Lahore, Pakistan.**

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To,  
 Site Supervisor  
 H & H Construction  
 House Construction of Plot # 119 Sector-C, DHA Phase 8 Lahore

Reference # CED/TFL **1845** (Dr. Rizwan Azam)  
 Reference of the request letter # Nil

Dated: 26-08-2022  
 Dated: 26-08-2022

**Tension Test Report** (Page -1/1)

Date of Test 29-08-2022  
 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 <sup>2</sup> )		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	3400	4700	68200	67550	94200	93400	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only one sample for tensile and one sample for bend test</b>														
Bend Test														
#3 Bar Bend Test Through 180° is Satisfactory														

**I/C Testing Laboratoires**  
**UET Lahore, Pakistan.**

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To,  
M/S Dandot Cement Company Limited  
Lahore

Reference # CED/TFL **1847** (Dr. Rizwan Azam)  
Reference of the request letter # Nil

Dated: 26-08-2022  
Dated: 26-08-2022

**Tension Test Report** (Page -1/1)

Date of Test 29-08-2022  
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 <sup>2</sup> )		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	0.393	10	9.74	0.12	0.115	3400	5300	62464	64910	97370	101200	1.30	16.3	
2	0.396	10	9.77	0.12	0.116	3500	5300	64301	66330	97370	100500	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only two samples for tensile and one sample for bend test</b>														
Bend Test														
10mm Dia Bar Bend Test Through 180° is Satisfactory														

**I/C Testing Laboratories**  
**UET Lahore, Pakistan.**

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**Pakistan. Ph: 92-42-99029202**

To,  
Head / Manager Projects  
Shaukat Khanum Memorial Trust  
Construction of Multi-Storied Parking Garage SKMCH & RC, Lahore

Reference # CED/TFL **1851** (Dr. M Rizwan Riaz)  
Reference of the request letter # SKM/PG/UET/08/14

Dated: 29-08-2022  
Dated: 29-08-2022

**Tension Test Report** (Page -1/1)

Date of Test 29-08-2022  
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 <sup>2</sup> )		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	0.358	3	0.366	0.11	0.105	3230	4330	64800	67720	86800	90800	1.00	12.5	
2	0.359	3	0.367	0.11	0.106	3110	4890	62400	64970	98000	102200	1.30	16.3	
3	0.371	3	0.372	0.11	0.109	3570	4810	71600	72250	96400	97400	1.10	13.8	
4	0.360	3	0.367	0.11	0.106	3430	4450	68800	71540	89200	92900	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only four samples for tensile test</b>														
Bend Test														

Witness by M. Bilala Khalid (Site Civil Engineer, Shaukat Khunam Hospital, Lahore)

**I/C Testing Laboratoires**  
**UET Lahore, Pakistan.**

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