



**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 Amanah Noor Residence  
Wapda Town, Lahore

Reference # CED/TFL **5316** (Dr. Usman Akmal)  
Reference of the request letter # Nil

Dated: 08-07-2024  
Dated: 08-07-2024

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

Date of Test 09-07-2024  
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	0.383	3	0.379	0.11	0.113	3500	5000	70200	68540	100200	98000	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.**

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

To,

M/S Meezan Developers  
Lahore  
(Construction of Jamia Tur Rasheed Lahore Campus.)

Reference # CED/TFL **5317** (Dr. Usman Akmal)  
Reference of the request letter # Nil

Dated: 08-07-2024  
Dated: 08-07-2024

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

Date of Test 09-07-2024  
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	0.366	3	0.370	0.11	0.107	4000	4800	80200	82040	96200	98500	1.20	15.0	
2	0.368	3	0.371	0.11	0.108	3700	4600	74200	75330	92200	93700	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<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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To,

Addl Dir (DHA Lab)  
 Defence Housing Authority Multan  
 “Civil Infrastructure Development works of Edu & Med City, LCH 02, 02 & 03 (Sec V),  
 Sec B1 (Extn-2), MB-04 and Service Road of (Pc-02 & MB-05 R/S), Sector I & N Center  
 Business Square – DHAM M/s YHB”

Reference # CED/TFL **5318** (Dr. Usman Akmal)  
 Reference of the request letter # 701/13/Lab/DHA

Dated: 08-07-2024  
 Dated: 03-07-2024

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

Date of Test 09-07-2024  
 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	4900	76200	76280	98200	98400	1.30	16.3	FF Steel
2	0.375	3	0.375	0.11	0.110	3800	5000	76200	75990	100200	100000	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<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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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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**Test Floor Laboratory**  
**Department of Civil Engineering**  
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**Pakistan. Ph: 92-42-99029202**

To,  
Deputy General Manager (Works)  
Habib Rafiq Engineering (Pvt.) Limited  
Construction of Sky Gardens Tower, Lahore

Reference # CED/TFL **5319** (Dr. Usman Akmal)  
Reference of the request letter # HRLE/SKG/2021/061

Dated: 08-07-2024  
Dated: 08-07-2024

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

Date of Test 09-07-2024  
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	0.379	10	9.56	0.12	0.111	3700	4900	67975	73290	90021	97100	1.10	13.8	
2	0.377	10	9.55	0.12	0.111	3700	5000	67975	73510	91858	99400	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<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 (3)														

**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, Construction S-2  
Allied Bank Limited,  
Engineering Cell, South-II  
ABL Sheikh Cotton Colony Branch (1051) & Regional Office Vehari.

Reference # CED/TFL **5320** (Dr. M Rizwan Riaz)

Dated: 08-07-2024

Reference of the request letter # GHQ/S2/CRM/MA/2024/246

Dated: 08-07-2024

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

Date of Test 09-07-2024

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	0.378	3	0.376	0.11	0.111	3900	5200	78200	77300	104200	103100	0.80	10.0	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.**

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

To,  
Dy Dir Dev  
Defence Housing Authority, Gujranwala  
"Sports Arena."

Reference # CED/TFL **5352** (Dr. M Kashif)  
Reference of the request letter # 111/3/DD/Dev/ESAC-06/80

Dated: 15-07-2024  
Dated: 03-07-2024

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

Date of Test 18-07-2024  
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	0.371	3	0.373	0.11	0.109	3200	5200	64200	64590	104200	105000	0.90	11.3	Markhor Steel	
2	0.376	3	0.375	0.11	0.110	3300	5100	66200	65880	102200	101900	1.10	13.8		
-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	-	-	-	-	-	-		
<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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**Department of Civil Engineering**  
**University of Engineering and Technology Lahore, 54890**  
**Pakistan. Ph: 92-42-99029202**

To,

Director Projects  
 Sheekhoo Sugar Mills (Steel Division)  
 Sheekhoo Steel  
 Anwar Abad Kot Addu, Muzaffargarh  
 (M/s Engineering Consultancy Services Punjab (Pvt) Limited.)  
 (Sheekhoo Steel)

Reference # CED/TFL **5327** (Dr. M Rizwan Riaz)  
 Reference of the request letter # Nil

Dated: 09-07-2024  
 Dated: 08-07-2024

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

Date of Test 09-07-2024  
 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	0.361	3	0.368	0.11	0.106	3400	4700	68200	70610	94200	97600	1.40	17.5	
2	0.360	3	0.367	0.11	0.106	3300	4800	66200	68650	96200	99900	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<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**  
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