



**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 Taha Associates  
Faisalabad

Reference # CED/TFL **4986** (Dr. Usman Akmal)  
Reference of the request letter # Nil

Dated: 26-04-2024  
Dated: 26-04-2024

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

Date of Test 30-04-2024  
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	0.365	3/8	0.370	0.11	0.107	3010	4560	60400	61860	91400	93800	1.20	15.0	
2	0.366	3/8	0.370	0.11	0.107	3010	4540	60400	61720	91000	93100	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only two samples for tensile and one sample for bend test</b>														
Bend Test														
3/8" Dia Bar Bend Test Through 180° is Satisfactory														

**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](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,

Senior Engineer  
 Mansoor Mazhar & Associates  
 Construction of Tanveer Ahmed Residence, 243 Sector – D, DHA Ph-VIII.

Reference # CED/TFL **4988** (Dr. Usman Akmal)  
 Reference of the request letter # MMA/TAH/PVIII/001

Dated: 26-04-2024  
 Dated: 26-04-2024

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

Date of Test 30-04-2024  
 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	0.376	3/8	0.375	0.11	0.110	3230	4940	64800	64460	99000	98600	1.20	15.0	
2	0.374	3/8	0.374	0.11	0.110	3180	4890	63800	63730	98000	98000	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only two samples 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  
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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,

Deputy Manager Civil  
Const Division GSC  
LESCO Lahore  
(Survey, Design, Manufacture, Procurment, Supply, Laying, Installation, Testing and Commissioning of 132 kV Double Circuit Single Core 1000 mm sq. Underground Copper Cable for Orange Line Metro Train Project.)

Reference # CED/TFL **4990** (Dr. Asad Ali)

Dated: 26-04-2024

Reference of the request letter # DM/CIVIL/GSC/LESCO/2942-44

Dated: 26-04-2024

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

Date of Test 29-04-2024

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	0.409	10	9.94	0.12	0.120	3520	4970	64668	64510	91307	91100	1.20	15.0	
2	0.408	10	9.93	0.12	0.120	3520	4970	64668	64640	91307	91300	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<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 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.
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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 Muhammad Construction Company  
Nathuwala Chak No. 180 R.B, Tehsil Shahkot, District Nankana Sahib.  
Sapphire Fibres Ltd 03.  
(Project:- Oldgodowns Renovation Work @ SFL-3

Reference # CED/TFL **4991** (Dr. Asad Ali)  
Reference of the request letter # Nil

Dated: 29-04-2024  
Dated: 26-04-2024

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

Date of Test 29-04-2024  
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	0.404	10	9.87	0.12	0.119	3640	5100	66873	67630	93696	94800	1.30	16.3	
2	0.403	10	9.86	0.12	0.118	3640	5070	66873	67770	93144	94400	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 Laboratoires**  
**UET Lahore, Pakistan.**

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**STRUCTURAL ENGINEERING DIVISION**  
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**University of Engineering and Technology Lahore, 54890**  
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To,

M/S S.A. Sheikh & Co.  
Lahore

Reference # CED/TFL **4992** (Dr. Asad Ali)  
Reference of the request letter # SASheikh/SMS/ABPL/1

Dated: 29-04-2024

Dated: 26-04-2024

**Tension Test Report** (Page – 1/1)

Date of Test 30-04-2024  
Gauge length 2 inches  
Description Steel 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 <sup>2</sup> )	(kN)	(kN)	(MPa)	(MPa)	(in)		
1	Steel Strip	25.90x14.90	385.91	176.70	210.00	458	544	0.60	30.00	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
<b>Only One Sample for Tensile Test</b>										
<b>Bend Test</b>										

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

Note:

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

To,  
 Resident Engineer  
 Metroplan – Asian JV, MCH, Layyah  
 Waste Water Treatment Plant General Hospital District Layyah.

Reference # CED/TFL **4995** (Dr. Asad Ali) Dated: 29-04-2024  
 Reference of the request letter # Metroplan-Asian JV-MCH-Layyah-RE-001 Dated: 25-04-2024

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

Date of Test 29-04-2024  
 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	0.407	10	9.91	0.12	0.119	3590	5150	65954	66220	94614	95000	1.20	15.0	Moiz Steel
2	0.403	10	9.86	0.12	0.118	3590	5220	65954	66880	95900	97300	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<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														

**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**  
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To,  
 Project Manager  
 Gulberg City Centre, Gulberg II, Lahore  
 (AK Smelters and Re-Roller)

Reference # CED/TFL **4994** (Dr. Asad Ali)  
 Reference of the request letter # Nil

Dated: 29-04-2024  
 Dated: 25-04-2024

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

Date of Test 29-04-2024  
 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	0.367	3	0.370	0.11	0.108	4170	5270	83600	85290	105600	107800	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<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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[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)
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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 Meezan Developers  
Lahore  
(Construction of Jamia Tur Rasheed Lahore Campus.)

Reference # CED/TFL **4996** (Dr. Usman Akmal)  
Reference of the request letter # Nil

Dated: 29-04-2024  
Dated: 29-04-2024

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

Date of Test 30-04-2024  
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	0.370	3	0.372	0.11	0.109	3570	4430	71600	72430	88800	89900	1.20	15.0	
2	0.367	3	0.371	0.11	0.108	3920	4740	78600	80110	95000	96900	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 Laboratories**  
**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,

Sub Divisional Officer  
Buildings Sub Division  
Bhera  
(Construction of PHP Post & Mobile School at Beer Baran (Bhera-Dhori Road), Tehsil  
Bhera District Sargodha.)

Reference # CED/TFL **4997** (Dr. Usman Akmal)  
Reference of the request letter # 430/Bhera

Dated: 29-04-2024  
Dated: 26-04-2024

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

Date of Test 30-04-2024  
Gauge length 8 inches  
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size		Area (in <sup>2</sup> )		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	0.374	3	0.374	0.11	0.110	3770	5710	75600	75550	114500	114500	0.90	11.3	
2	0.374	3	0.374	0.11	0.110	3820	5710	76600	76510	114500	114400	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 Laboratories**  
**UET Lahore, Pakistan.**

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2. The above results pertain to sample /samples supplied to this laboratory.
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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/01/4998

Dated: 29-04-2024

Dated of Test: 29-04-2024

To,

**Project Manager**  
**Project Management Unit**  
**National Logistics Corporation**  
**Torkham**

**Subject: - TESTING OF CI GRATING FOR LOAD BEARING CAPACITY**  
**as per AASHTO M-306**

Reference to your letter no. 607/Gen/Proj/2, Dated: 24/04/2024 on the above mentioned subject. One CI Grating – Light Duty (600x600mm) as received by us for load bearing capacity, has been tested and results are given below:

<b>Measured Size</b>	<b>:</b>	<b>680 x 601 mm</b>
<b>Applied Load Area</b>	<b>:</b>	<b>229 x 229 mm</b>
<b>Applied Load</b>	<b>:</b>	<b>178 kN</b>
<b>Remarks</b>	<b>:</b>	<b>No visible cracks &amp; permanent deflection was observed.</b>

Ref: CED/TFL/01/4999

Dated: 29-04-2024

Dated of Test: 29-04-2024

**I/C Testing Laboratories**  
**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 Manager**  
**Project Management Unit**  
**National Logistics Corporation**  
**Torkham**

**Subject: - TESTING OF CI GRATING FOR LOAD BEARING CAPACITY**  
**as per AASHTO M-306**

Reference to your letter no. 607/Gen/Proj/1, Dated: 24/04/2024 on the above mentioned subject. One CI Grating – Heavy Duty (600x600mm) as received by us for load bearing capacity, has been tested and results are given below:

**Measured Size** : **678 x 607 mm**

**Applied Load Area** : **229 x 229 mm**

**Applied Load** : **178 kN**

**Remarks** : **No visible cracks & permanent deflection was observed.**

**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)
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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 No. 3  
Faisalabad  
(Establishment of Model E-Registration Center at Divisional Head Quarter, in Punjab  
One at Faisalabad.)

Reference # CED/TFL **5000** (Dr. Usman Akmal)  
Reference of the request letter # 714

Dated: 29-04-2024  
Dated: 20-04-2024

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

Date of Test 30-04-2024  
Gauge length 8 inches  
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size (inch)		Area (in <sup>2</sup> )		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	0.382	3/8	0.378	0.11	0.112	4080	5250	81800	80070	105200	103100	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only one sample for tensile test</b>														
Bend Test														

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

Note:

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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



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

To,

Asstt: Ex. Engineer  
 Central Civil Division  
 Pak. P.W.D., Faisalabad  
 (Construction of REC/DECs Offices at Faisalabad)

Reference # CED/TFL **5001** (Dr. Usman Akmal)  
 Reference of the request letter # AEE/CCD/FSD/71

Dated: 29-04-2024  
 Dated: 28-03-2024

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

Date of Test 30-04-2024  
 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	0.373	3/8	0.374	0.11	0.110	3540	4940	71000	71130	99000	99300	1.00	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only one sample for tensile test</b>														
Bend Test														

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

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To,

Sub Divisional Officer  
Buildings Sub Division  
Chiniot  
(Balance Work of Revamping of All DHQ/15 THQ Hospital in Punjab one at District Head Quarter Hospital at Chiniot.)

Reference # CED/TFL **5002** (Dr. Usman Akmal)  
Reference of the request letter # 19/L-15

Dated: 29-04-2024  
Dated: 20-02-2024

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

Date of Test 30-04-2024  
Gauge length 8 inches  
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size (inch)		Area (in <sup>2</sup> )		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	0.388	3/8	0.381	0.11	0.114	3940	4690	79000	76160	94000	90700	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only one sample for tensile test</b>														
Bend Test														

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

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