



**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 Kashmir Art & Steel  
Muzaffarabad

Reference # CED/TFL **34990** (Dr. Qasim Khan)  
Reference of the request letter # A-B-C

Dated: 16-06-2020  
Dated: 16-06-2020

**Tension Test Report** (Page – 1/2)

Date of Test 18-06-2020  
Gauge length 50mm  
Description Wire Tensile Test

Sr. No.	Weight	Diameter/ Size (mm)		Area (mm <sup>2</sup> )		Yield load	Breaking Load	Yield Stress (Mpa)		Ultimate Stress (Mpa)		Elongation	% Elongation	Remarks
	(kg/m)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(mm)		
1	0.197	6	5.65	29.03	25.06	2040	2640	689	798	892	1033	5	10.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only one sample for tensile test</b>														
Bend Test														

**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



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Muzaffarabad

Reference # CED/TFL **34990** (Dr. Qasim Khan)  
Reference of the request letter # A-B-C

Dated: 16-06-2020  
Dated: 16-06-2020

**Weld Test Report** (Page – 2/2)

Date of Test               18-06-2020  
Gauge length             -----  
Description               Wire Weld Load Test

Sr. No	Wire Size (mm)	Breaking Load (kg)	Remarks
1	6	780	Weld Broke
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
<b>Note: only one sample for test</b>			

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

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To,  
M/S Kashmir Art & Steel  
Muzaffarabad

Reference # CED/TFL **34991** (Dr. Qasim Khan)  
Reference of the request letter # X-Y-Z

Dated: 16-06-2020  
Dated: 16-06-2020

**Tension Test Report** (Page – 1/2)

Date of Test 18-06-2020  
Gauge length 50mm  
Description Wire Tensile Test

Sr. No.	Weight	Diameter/ Size (mm)		Area (mm <sup>2</sup> )		Yield load	Breaking Load	Yield Stress (Mpa)		Ultimate Stress (Mpa)		Elongation	% Elongation	Remarks
	(Kg/m)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(mm)		
1	0.200	6	5.69	29.03	25.44	2000	2600	676	771	879	1003	6	12.00	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only one sample for tensile test</b>														
Bend Test														

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

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To,  
M/S Kashmir Art & Steel  
Muzaffarabad

Reference # CED/TFL **34991** (Dr. Qasim Khan)  
Reference of the request letter # X-Y-Z

Dated: 16-06-2020  
Dated: 16-06-2020

**Weld Test Report** (Page – 2/2)

Date of Test           18-06-2020  
Gauge length           -----  
Description            Wire Weld Load Test

Sr. No	Wire Size (mm)	Breaking Load (kg)	Remarks
1	6	1380	Weld Broke
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
<b>Note: only one sample for test</b>			

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**UET Lahore, Pakistan.**

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

To,  
 Sub Divisional Officer  
 Highway Sub Division  
 Jhang  
 (Widening of Cause Way at Jhang Sahiwal Sargodha Road km no. 13 (25 Pull) 20ft to 32 ft  
 Road Way Battery of Culverts)  
 Reference # CED/TFL **34995** (Dr. Qasim Khan)      Dated: 17-06-2020  
 Reference of the request letter # 300      Dated: 03-06-2020

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

Date of Test                    18-06-2020  
 Gauge length                8 inches  
 Description                    Deformed Steel Bar Tensile 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	0.369	3/8	0.371	0.11	0.108	2800	4300	56200	56950	86200	87500	1.50	18.8	
2	0.371	3/8	0.372	0.11	0.109	2900	4300	58200	58690	86200	87100	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Note: only two samples for tensile test</b>														
Bend Test														

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

Note:

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

To,  
 Manager, QA/QC Department  
 Bahria Town Private Limited, Lahore  
 School at Bahria Orchard-4

Reference # CED/TFL **34996, 9981** (Dr. Qasim Khan)  
 Reference of the request letter # QA/QC-Steel-2012

Dated: 17-06-2020  
 Dated: 17-06-2020

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

Date of Test 18-06-2020  
 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	0.375	3	0.375	0.11	0.110	3800	5100	76200	76020	102200	102100	1.30	16.3	FF Steel
2	0.364	3	0.369	0.11	0.107	3800	5000	76200	78370	100200	103200	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.**

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, QA/QC Department  
 Bahria Town Private Limited, Lahore  
 Shahid Qureshi House, Bahria Town Multan Road, Lahore

Reference # CED/TFL **34997** (Dr. Qasim Khan)  
 Reference of the request letter # QA/QC-Steel-2013

Dated: 17-06-2020  
 Dated: 17-06-2020

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

Date of Test 18-06-2020  
 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	0.372	0.11	0.109	4200	5100	84200	84980	102200	103200	0.90	11.3	Mughal Supreme
2	0.374	3	0.374	0.11	0.110	4000	4900	80200	80190	98200	98300	0.80	10.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<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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**Test Floor Laboratory**  
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**University of Engineering and Technology Lahore, 54890**  
**Pakistan. Ph: 92-42-99029202**

To,  
 Deputy Director (QCD)  
 WASA, LDA, Lahore  
 (Drainage Arrangement for Sore Point at Lawrence Road and Qainchi Lahore)  
 (M/S Ahmed Ali Bhatti Construction (SMS-Pvt) Ltd.)

Reference # CED/TFL **34999** (Dr. Qasim Khan)  
 Reference of the request letter # QCD/1069-70

Dated: 17-06-2020  
 Dated: 16-06-2020

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

Date of Test 18-06-2020  
 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	0.374	3/8	0.374	0.11	0.110	2900	4300	58200	58100	86200	86200	1.80	22.5	
2	0.379	3/8	0.377	0.11	0.111	2800	4300	56200	55360	86200	85100	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<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.**

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To,  
M/S T.S.M. Design Studio  
Gublerg-III, Lahore  
(Construction of Gerry’s Dnata Cargo Export Building at Allama Iqbal International Airport Lahore)

Reference # CED/TFL **35000** (Dr. Qasim Khan) Dated: 17-06-2020  
Reference of the request letter # Nil Dated: 10-06-2020

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

Date of Test 18-06-2020  
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	0.376	3	0.375	0.11	0.110	3300	5000	66200	65870	100200	99900	1.10	13.8	
2	0.379	3	0.377	0.11	0.112	3400	5000	68200	67190	100200	98900	1.50	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

**Note: only two samples for tensile and one sample for bend test**

<b>Bend Test</b>													
#3 Bar Bend Test Through 180° is Satisfactory													

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

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To,  
M/S Defence Housing Authority.  
Lahore Cantt  
(Proposed Commercial Plaza, DRGCC Ph-III, DHA Ph-VI (M/s Construct))

Reference # CED/TFL **35001** (Dr. Qasim Khan)  
Reference of the request letter # 408/241/E/Lab/921/5208

Dated: 18-06-2020  
Dated: 16-06-2020

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

Date of Test 18-06-2020  
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	0.373	3	0.373	0.11	0.110	3300	4900	66200	66390	98200	98600	1.20	15.0	Kamran Steel
2	0.374	3	0.374	0.11	0.110	3300	4900	66200	66160	98200	98300	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**  
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