



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

To,
 Chief Resident Engineer, SMP
 Osmani & Company (Pvt) Ltd
 Swat Motorway Project

Reference # CED/TFL **34043** (Dr. M Rizwan Riaz)
 Reference of the request letter # 334/CRE/QAT SMP/2019

Dated: 22-10-2019
 Dated: 17-10-2019

Tension Test Report (Page – 1/2)

Date of Test 28-10-2019
 Gauge length 2 inches
 Description W-Section, End Piece & Vertical Post Strip Tensile and Bend Test

Sr. No.	Designation	Size of Strip	X Section Area	Yield load	Breaking Load	Yield Stress	Ultimate Stress	Elongation	% Elongation	Remarks
1	W-Section	2.53x0.28	0.71	2300	3000	3246.75	4234.90	0.50	25.00	
2		2.54x0.28	0.71	2300	2900	3233.97	4077.62	0.60	30.00	
3	End Piece	2.53x0.28	0.71	2300	3000	3246.75	4234.90	0.60	30.00	
4		2.54x0.28	0.71	2500	3100	3515.19	4358.83	0.70	35.00	
5	Vertical Post	2.56x0.70	1.79	5800	8300	3236.61	4631.70	0.80	40.00	
6		2.55x0.70	1.79	5800	8300	3249.30	4649.86	0.80	40.00	
Only Six Samples for Tensile and Three Samples for Bend Test										
Bend Test										
Strip Taken from W-Section Bend Test Through 180° is Satisfactory										
Strip Taken from End Piece Bend Test Through 180° is Satisfactory										
Strip Taken from Vertical Post Bend Test Through 180° is Satisfactory										

I/C Testing Laboratories
UET Lahore, Pakistan.

Note:

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Pakistan. Ph: 92-42-99029202

To,
Chief Resident Engineer, SMP
Osmani & Company (Pvt) Ltd
Swat Motorway Project

Reference # CED/TFL **34043** (Dr. M Rizwan Riaz)
Reference of the request letter # 334/CRE/QAT SMP/2019

Dated: 22-10-2019
Dated: 17-10-2019

Weight & Size Test Report (Page – 2/2)

Date of Test 28-10-2019

Description W-Section, End Piece & Vertical Post Weight and Size Test

Sr. No.	Designation	Weight	Length	Weight per Unit Length	Thickness	Remark
		(g)	(mm)	(kg/m)	(mm)	
1	W-Section	3214	307.00	10.47	2.80	
2	End Piece	1197	106.10	11.22	2.80	
	Vertical Post	916	79.40	11.54	7.00	
-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	
-	-	-	-	-	-	
Only Three Samples for Test						

I/C Testing Laboratories
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,
Chief Resident Engineer, SMP
Osmani & Company (Pvt) Ltd
Swat Motorway Project

Reference # CED/TFL **34044** (Dr. M Rizwan Riaz)
Reference of the request letter # 335/CRE/QAT SMP/2019

Dated: 22-10-2019
Dated: 17-10-2019

Tension Test Report (Page – 1/1)

Date of Test 28-10-2019
Gauge length 2 inches
Description Fence Clamp 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 ²)	(kg)	(kg)	(MPa)	(MPa)	(in)		
1	Fence Clamp	12.70x4.40	55.88	2200	3200	386.22	561.78	0.40	20.00	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
Only One Sample for Tensile Test										
Bend Test										

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,
 Resident Engineer
 Amad Anwar Pvt Ltd
 Construction of Bunes Hub on Commercial Broadway Phase-VIII
 (DHA)(M/s Kingcrete Builders)(M/s LONTRIN (Pvt) Ltd)

Reference # CED/TFL **34052** (Dr. M Rizwan Riaz)

Dated: 22-10-2019

Reference of the request letter # 410/10/Business Hub/ Ph. VIII/M & F

Dated: 21-10-2019

Tension Test Report (Page – 1/1)

Date of Test 28-10-2019

Gauge length 2 inches

Description Pipe Steel Strip Tensile Test

Sr. No.	Designation	Size of Strip	X Section Area	Yield load	Breaking Load	Yield Stress	Ultimate Stress	Elongation	% Elongation	Remarks
	(inch)	(mm)	(mm ²)	(kg)	(kg)	(MPa)	(MPa)	(in)		
1	1.5	28.50x3.20	91.20	3800	5200	408.75	559.34	0.40	20.00	
2	1.5	28.50x3.20	91.20	3600	4700	387.24	505.56	0.40	20.00	
3	2.5	28.60x4.60	131.56	5600	7200	417.57	536.88	0.50	25.00	
4	2.5	28.60x4.60	131.56	5900	7600	439.94	566.71	0.50	25.00	
5	3.0	28.50x5.10	145.35	7300	8400	492.69	566.93	0.50	25.00	
6	3.0	28.50x5.10	145.35	6900	8500	465.70	573.68	0.50	25.00	
Only Six Samples for Tensile Test										
Bend Test										

I/C Testing Laboratoires
UET Lahore, Pakistan.

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STRUCTURAL ENGINEERING DIVISION
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Pakistan. Ph: 92-42-99029202

To,
M/S CGGC Suki Kinari Project in Pakistan
874 MW Suki Kinari Hydro Power Project

Reference # CED/TFL **34053** (Dr. M Rizwan Riaz)
Reference of the request letter # Nil

Dated: 23-10-2019

Dated: 02-10-2019

Tension Test Report (Page – 1/1)

Date of Test 28-10-2019

Gauge length 2 inches

Description Copper Water-Stop Strip Tensile Test as per ASTM B-152

Sr. No.	Designation	Size of Strip	X Section Area	Yield load	Breaking Load	Yield Stress	Ultimate Stress	Elongation	% Elongation	Remarks
1	Copper Water-Stop	25.60x1.20	30.72	-----	600	-----	191.60	0.50	25.00	
2		25.50x1.20	30.60	-----	600	-----	192.35	0.50	25.00	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
Only Two Samples for Tensile Test										
Bend Test										

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

Ref: CED/TFL/10/34066

Dated: 24-10-19

Date of Test: 28-10-19

To
Resident Engineer
NESPAK
Construction of Khazana Bypass Bridge over River Panjkora District Lowe Dir
Khane

Subject: - **TEST RESULT REPORT FOR BEARING DEVICE (PAD)**

Reference to your letter no. 3956/021/NUK/19/186, Dated: 06/10/2019 on the above mentioned subject. One Elastomeric Bearing Rubber Pad (EBRP) has been received by us. The same was tested and results are given below.

Laboratory : **TEST FLOOR LAB**
Machine : **SHIMADZU**
Sample No. : **1/1**
Dimensions of EBRP : **499.60 x 501.00 x 89.95 mm**

TEST RESULTS - SHORT DURATION

Load Duration : **5+5 minutes**
Test Load : **160 TONS**
Bulging Pattern : **Uniform Buldging.**
Laminated Parallelism : **Parallel**
Cracks : **No crack is observed**

I/C Testing Laboratoires
UET Lahore, Pakistan.

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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
 Naqvi anf Siddiquie
 Regional Blood Center, Allied Hospital, Faisalabad

Reference # CED/TFL **34069** (Dr. M Rizwan Riaz)
 Reference of the request letter # RBC/FSD/2019/02

Dated: 25-10-2019
 Dated: 23-10-2019

Tension Test Report (Page -1/1)

Date of Test 28-10-2019
 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	0.369	3	0.372	0.11	0.108	3300	5100	66200	67080	102200	103700	1.00	12.5	
2	0.370	3	0.372	0.11	0.109	3300	5100	66200	66860	102200	103400	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.

Note:

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STRUCTURAL ENGINEERING DIVISION
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To,
M/S Defence Housing Authority.
Lahore Cantt
(Construction of 1-Kanal Villas at DRGCC Club House DHA Ph-6)(M/s Linker Developers)

Reference # CED/TFL **34070** (Dr. M Rizwan Riaz)
Reference of the request letter # 408/241/E/Lab/747/1053

Dated: 25-10-2019
Dated: 25-10-2019

Tension Test Report (Page -1/1)

Date of Test 28-10-2019
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	0.366	3	0.370	0.11	0.108	3200	5000	64200	65490	100200	102400	1.30	16.3	Ittefaq Steel
2	0.391	3	0.383	0.11	0.115	3500	5400	70200	67070	108200	103500	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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Test Floor Laboratory
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To,
 Principal
 University of Education
 Lower Mall Campus, Lahore
 (Construction of Main Gate, Parking Shed etc at University of Education, Lower Mall Campus)

Reference # CED/TFL **34071** (Dr. M Rizwan Riaz)
 Reference of the request letter # UELMC/2019/1798

Dated: 25-10-2019
 Dated: 15-10-2019

Tension Test Report (Page -1/1)

Date of Test 28-10-2019
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile 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	0.389	3	0.382	0.11	0.114	3100	4900	62200	59730	98200	94500	1.20	15.0	
2	0.387	3	0.381	0.11	0.114	3100	4900	62200	60000	98200	94900	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile test														
Bend Test														

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,
 Assistant Director Engg.
 Gujranwala Development Authority
 Gujranwala
 (Construction of Road along Qila Mian Singh Minor Road from Gondlanwala Road to
 Samnabad Chungi and to Alam Chowk, Gujranwala (Part-B)
 Reference # CED/TFL **34072** (Dr. M Rizwan Riaz) Dated: 25-10-2019
 Reference of the request letter # GDA/ADE/73 Dated: 20-09-2019

Tension Test Report (Page -1/1)

Date of Test 28-10-2019
 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 ²)		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	0.368	3/8	0.371	0.11	0.108	3600	4800	72200	73340	96200	97800	0.90	11.3	
2	0.370	3/8	0.372	0.11	0.109	3800	4900	76200	76950	98200	99300	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
3/8" Dia 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
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,
 Sub Divisional Officer
 Buildings Sub Division No. 6
 Lahore
 (Addition/Alteration & Improvement, Works in Office Buildings in Punjab Civil Secretariat
 Lahore (S&GAD & Old Health Block)
 Reference # CED/TFL **34073** (Dr. M Rizwan Riaz) Dated: 25-10-2019
 Reference of the request letter # 113/Sd-6th Dated: 21-10-2019

Tension Test Report (Page -1/1)

Date of Test 28-10-2019
 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 ²)		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	0.371	3/8	0.373	0.11	0.109	3100	4500	62200	62660	90200	91000	1.40	17.5	
2	0.373	3/8	0.373	0.11	0.110	3100	4600	62200	62390	92200	92600	1.50	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile test														
Bend Test														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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Test Floor Laboratory
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To,
M/S Friends & Co
Gujranwala

Reference # CED/TFL **34074** (Dr. M Rizwan Riaz)
Reference of the request letter # Nil

Dated: 25-10-2019
Dated: 25-10-2019

Tension Test Report (Page -1/1)

Date of Test 28-10-2019
Gauge length 8 inches
Description Deformed Steel Bar Tensile Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (inch)		Area (in ²)		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	0.371	3/8	0.373	0.11	0.109	3600	4600	72200	72790	92200	93000	0.80	10.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only one sample for tensile test														
Bend Test														

I/C Testing Laboratories
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,
M/S Ittefaq Building Solutions
Lahore
(Cafe Sajwal Sweet)

Reference # CED/TFL **34075** (Dr. M Rizwan Riaz)
Reference of the request letter # IBS/CSS/ST02

Dated: 25-10-2019
Dated: 25-10-2019

Tension Test Report (Page -1/1)

Date of Test 28-10-2019
Gauge length 8 inches
Description Deformed Steel Bar Tensile Test as per ASTM-A615

Sr. No.	Weight (lbs/ft)	Diameter/ Size (mm)		Area (in ²)		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	0.421	10	10.08	0.12	0.124	4500	5500	82673	80160	101044	98000	1.00	12.5	
2	0.418	10	10.05	0.12	0.123	4000	5000	73487	71720	91858	89700	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile test														
Bend Test														

I/C Testing Laboratoires
UET Lahore, Pakistan.

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Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
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To,
M/S Ittefaq Building Solutions
Lahore
(Construction of Salt Room at PepiCo, Hattar)

Reference # CED/TFL **34076** (Dr. M Rizwan Riaz)
Reference of the request letter # IBS/PH/ST006

Dated: 25-10-2019
Dated: 24-10-2019

Tension Test Report (Page -1/1)

Date of Test 28-10-2019
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 ²)		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	10	9.50	0.12	0.110	3300	5100	60627	66200	93696	102400	1.10	13.8	
2	0.366	10	9.40	0.12	0.108	3300	5200	60627	67610	95533	106600	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
10mm Dia Bar Bend Test Through 180° is Satisfactory														

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:

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- 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,
 Resident Engineer
 Al-Imam Enterprises (Pvt) Ltd
 Construction of Penta Square, Phase-V, D.H.A, Lahore
 (FF Steel)

Reference # CED/TFL **34078** (Dr. M Rizwan Riaz)

Dated: 25-10-2019

Reference of the request letter # Al-Imam/746/PS-1/DHA/LHE/973

Dated: 24-09-2019

Tension Test Report (Page -1/1)

Date of Test 28-10-2019

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 ²)		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	4.230	32	31.96	1.25	1.244	40200	52200	70900	71260	92064	92600	1.50	18.8	
2	4.232	32	31.97	1.25	1.244	40200	52600	70900	71230	92770	93200	1.60	20.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
Bend Test														
32mm Dia 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,
M/S Process Dynamics
Lahore
(Army Fence Project)

Reference # CED/TFL **34079** (Dr. M Rizwan Riaz)
Reference of the request letter # Nil

Dated: 25-10-2019
Dated: 23-10-2019

Tension Test Report (Page – 1/2)

Date of Test 28-10-2019
Gauge length 2 inches
Description Clamp 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 ²)	(kg)	(kg)	(MPa)	(MPa)	(in)		
1	Clamp	14.40x1.60	23.04	680	1040	289.53	442.81	0.70	35.00	
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.	
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Only One Sample for Tensile Test										
Bend Test										

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,
M/S Process Dynamics
Lahore
(Army Fence Project)

Reference # CED/TFL **34079** (Dr. M Rizwan Riaz)
Reference of the request letter # Nil

Dated: 25-10-2019
Dated: 23-10-2019

Weight & Size Test Report (Page – 2/2)

Date of Test 28-10-2019
Gauge length -----
Description Clamp & Bolt Size Test

Dia of Clamp (Internal) = 89.00 mm

Width of Clamp = 24.20 mm

Thickness of Clamp = 1.60 mm

Thickness of Bolt = 10.00 mm

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,
 Additional Director Development
 DHA Phase-XI (Rahbar)
 Construction of DHA Girls School at Block- 'B' Sector-I, DHA Phase-XI (Rahbar)

Reference # CED/TFL **34081** (Dr. M Rizwan Riaz) Dated: 28-10-2019
 Reference of the request letter # 700/3/Girls School/Ph-XI/Projs/3088 Dated: 25-10-2019

Tension Test Report (Page -1/1)

Date of Test 28-10-2019
 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 ²)		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	0.372	3/8	0.373	0.11	0.109	3600	5200	72200	72500	104200	104800	1.10	13.8	Ittefaq Steel
2	0.373	3/8	0.374	0.11	0.110	3100	4800	62200	62330	96200	96600	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Bend Test

3/8" Dia Bar Bend Test Through 180° is Satisfactory

I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:

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- 3- Sealed sample / Unsealed sample / Marked sample/Signed Samples