

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

To,
Executive Engineer PWD
PHE Division Bhimber
(Water Supply Scheme Bhimber Town Phase-IV District Bhimber A.K)

Reference # CED/TFL **34036** (Dr. Waseem Abbas)

Reference of the request letter # 738-39

Dated: 18-10-2019

Dated: 25-09-2019

Tension Test Report (Page - 1/1)

Date of Test 23-10-2019 Gauge length 2 inches

Description G.I Pipe Welded Tensile Test

Sr. No.	(honi)	(mm) Size of Strip	X Section Area	Breaking (Sp. 1) Coad	Oltimate Stress	(honi)	% Elongation	Remarks
1	10	32.50x6.00	195.00	6500				Weld Failure
	10	32.30x6.00	193.80	6600				Weld Failure
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
			C	only two sar	nples for ten	sile test		
				В	end Test			

I/C Testing Laboratoires UET Lahore, Pakistan.

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

To,
Executive Engineer

LJC Development Division

Sargodha

(Rehabilitation of Chenab Escape RD 0+000 to RD 63+000 along with Construction/ Repairing

of Structures of Khadir Feeder "Package-D")

Reference # CED/TFL **34042** (Dr. Waseem Abbas) Reference of the request letter # 490/6-W(Khadir)

Tension Test Report (Page -1/1)

Date of Test 23-10-2019 Gauge length 8 inches

Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight		neter/ ze		rea n²)	Yield load	Breaking Load		Stress si)		e Stress si)	Elongation	Elongation	Remarks
	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	R
1	0.389	3	0.381	0.11	0.114	3600	5500	72200	69460	110200	106200	1.20	15.0	FF
2	0.388	3	0.381	0.11	0.114	3500	5500	70200	67640	110200	106300	1.20	15.0	FF
3	4.201	10	1.254	1.27	1.235	41600	53600	72200	74260	93100	95700	1.30	16.3	Mughal
4	4.235	10	1.259	1.27	1.245	42000	54800	72900	74360	95200	97100	1.50	18.8	Mughal
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			N	ote: on	ly four	samples	for tensi	le and tw	o sample	s for ben	d test	ı	ı	
							D 1	T						
							Bend	rest						

3 Bar Bend Test Through 180° is Satisfactory

10 Bar Bend Test Through 180° is Satisfactory

I/C Testing Laboratoires UET Lahore, Pakistan.

Dated: 21-10-2019

Dated: 15-10-2019

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

To,

Resident Engineer

AZ Engineering Associates

"Naya Pakistan Manzilyen Asan" Rural Accessibility Programme (RAP) Phase-I for Year 2018-19 Pertaining to Highway Circle Lahore (District Sheikhupura) (Mughal Steel)

Reference # CED/TFL **34045** (Dr. Waseem Abbas)

Reference of the request letter # RE/LHR-94

Dated: 22-10-2019

Dated: 16-10-2019

Tension Test Report (Page -1/1)

Date of Test 23-10-2019 Gauge length 8 inches

Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight		neter/ ze	Ar (ir	rea 1 ²)	Yield load	Breaking Load		Stress si)		e Stress si)	Elongation	% Elongation	Remarks
S	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	3 %	R
1	0.377	3	0.375	0.11	0.111	3800	5000	76200	75660	100200	99600	1.20	15.0	
2	0.376	3	0.375	0.11	0.111	3700	5000	74200	73730	100200	99700	1.10	13.8	
-	-	-		-	-	-	-	-	-	-	-	-	-	
-	-	-		-	-	-	-	-	-	-	-	-	-	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			N	ote: on	ly two s	amples f	or tensile	and one	sample	or bend t	test			
							Bend T	est						
# 3	Bar Ber	nd Test	Through	h 180° i	s Satisfa	actory								

I/C Testing Laboratoires UET Lahore, Pakistan.

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

To,
Manager Procurement & Lgistics
Ikan – FCC JV
Establishment of 100 Bed Mother and Child Care Hospital, Muree
(Kamran Steel)

Reference # CED/TFL **34046** (Dr. Waseem Abbas)

Reference of the request letter # Nil

Dated: 21-10-2019

Dated: 15-10-2019

Tension Test Report (Page -1/1)

Date of Test 23-10-2019 Gauge length 8 inches

Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight		neter/ ze	Ar (ir	rea 1 ²)	Yield load	Breaking Load		Stress si)		e Stress si)	Elongation	% Elongation	Remarks
S	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	Re
1	5.250	11	1.402	1.56	1.543	50000	67200	70700	71410	95000	96000	1.50	18.8	
2	5.251	11	1.402	1.56	1.543	50000	66800	70700	71400	94400	95400	1.30	16.3	
-	•	-	ı	•	-	•	•	•	-	-	-	-	1	
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-	-	-	-	•	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			No	ote: onl	y two sa	amples fo	or tensile	and two	samples	for bend	test			
							Bend T	<u>'est</u>						
# 1	1 Bar Be	end Tes	t Throu	gh 180°	is Satis	factory								

I/C Testing Laboratoires UET Lahore, Pakistan.

Note:

11 Bar Bend Test Through 180° is Satisfactory

- 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
- 2. The above results pertain to sample /samples supplied to this laboratory.
- 3- Sealed sample / Unsealed sample / Marked sample/Signed Samples

NEE RING THE PROPERTY OF THE P

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 Defence Housing Authority.
Lahore Cantt
(Infra Dev Works of Prism-9 Pkg-5 OHWT DHA Ph-IX)(M/s Maaksons)

Reference # CED/TFL **34047** (Dr. Waseem Abbas) Dated: 22-10-2019 Reference of the request letter # 408/241/E/Lab/741/234 Dated: 22-10-2019

Tension Test Report (Page -1/1)

Date of Test 23-10-2019 Gauge length 8 inches

Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

1 4.3	(Ibs/ft)	Nominal (#)	Actual (inch)	Nominal	Te									(L)
	200		7	Non	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% Elongation	Remarks
2 4.3	.389	10	1.282	1.27	1.290	32800	60400	57000	56040	104900	103200	1.10	13.8	
	.369	10	1.279	1.27	1.284	38000	46200	66000	65220	80200	79300	1.30	16.3	S.G.I
-	-	-	-	•	-	•	-	•	•	•	•	-	1	
-	-			-	-	-	-	-	-	-	-	-	-	
-	-			-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1			No	ote: on	ly two s	amples f	or tensile	and one	sample f	or bend t	est	1		
#10 Ra	ar Rei	nd Test	Throug	th 180°	is Satisf	factory	Bend T	est						

I/C Testing Laboratoires UET Lahore, Pakistan.

- 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
- 2. The above results pertain to sample /samples supplied to this laboratory.
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Test Floor Laboratory Department of Civil Engineering University of Engineering and Technology Lahore, 54890 Pakistan. Ph: 92-42-99029202

To,
M/S Defence Housing Authority.
Lahore Cantt
(Infra Dev Works, Sector-E, DHA Phase-IX)(M/s Inland)

Reference # CED/TFL **34048** (Dr. Waseem Abbas) Dated: 22-10-2019 Reference of the request letter # 408/241/E/Lab/739/124 Dated: 18-10-2019

Tension Test Report (Page -1/1)

Date of Test 23-10-2019 Gauge length 8 inches

Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight		neter/ ze		rea n²)	Yield load	Breaking Load		Stress si)		e Stress si)	Elongation	% Elongation	Remarks
S	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	Re
1	0.367	3	0.371	0.11	0.108	3100	4800	62200	63370	96200	98200	1.20	15.0	\E
2	0.367	3	0.371	0.11	0.108	3000	4700	60200	61240	94200	96000	1.30	16.3	City UAE
-	-	-	-	-	-	-	-	-	-	-	-	-	-	Cï
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			N	ote: on	ly two s	amples f	or tensile	and one	sample f	or bend	test			
							Bend T	<u>'est</u>						
#3	Bar Ben	d Test	Through	180° is	s Satisfa	ctory								

I/C Testing Laboratoires UET Lahore, Pakistan.

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

To, Resident Engineer G3 Engineering Consultants (Pvt) Ltd

Consultancy Services for Resident Construction Supervision of Provision of Construction on Infrastructure and Allied Works at Rachna Industrial Parks at District Sheikhupura Phase-II

Reference # CED/TFL **34049** (Dr. Waseem Abbas)

Reference of the request letter # G-3/0207/1095

Dated: 22-10-2019

Dated: 22-10-2019

Tension Test Report (Page -1/1)

Date of Test 23-10-2019 Gauge length 8 inches

Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight		neter/ ze	Aı (iı	rea 1 ²)	Yield load	Breaking Load		Stress si)	Ultimat (p	e Stress si)	Elongation	% Elongation	Remarks
S	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	Re
1	0.374	3	0.374	0.11	0.110	3300	5100	66200	66180	102200	102300	1.10	13.8	
-	•	-	•	•	-	-	-	•	-	-	-	-	1	
-	•	•	•	1	-	-	-	•	-	-	-	-	ı	
-	-	-	•	•	-	-	-	•	-	-	-	-	1	
-	-	-	-	-	-	-	-	-	-	-	-	-		
-	-	-		-	-	-	-	-	-	-	-	-		
			N	ote: on	ly one	sample fo	or tensile	and one	sample f	or bend t	est	1		
							Bend T	'est						
# 3	Bar Ber	nd Test	Throug	h 180° i	s Satisfa	actory	Dena 1	CSI						

I/C Testing Laboratoires UET Lahore, Pakistan.

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NEE RING THE PROPERTY OF THE P

STRUCTURAL ENGINEERING DIVISION

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

To, Inspector of Works P.R HQs Offce, Lahore

Construction of of ATP/Cab Signaling Building for Office, Store and ATP Lab in New Loco Diesel Shed Lahore with Electrification in Connection with Computer Based Interlocking System (LON-SDR) Main Line Section

Reference # CED/TFL **34050** (Dr. Waseem Abbas)

Reference of the request letter # Sig-Proj/LON-SDR/201-H/RSP

Dated: 22-10-2019

Dated: 22-10-2019

Tension Test Report (Page -1/1)

Date of Test 23-10-2019 Gauge length 8 inches

Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight	Si	neter/ ize ch)		rea n²)	Yield load	Breaking Load		Stress si)		te Stress si)	Elongation	% Elongation	Remarks
S	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	R
1	0.372	3/8	0.373	0.11	0.109	3600	4800	72200	72530	96200	96700	1.20	15.0	
2	0.376	3/8	0.375	0.11	0.111	3500	4700	70200	69760	94200	93700	1.30	16.3	
3	0.379	3/8	0.377	0.11	0.111	3600	4900	72200	71220	98200	97000	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			1		Note	e: only th	ree samp	oles for to	ensile test	t	1	1	1	
							D 17							<u> </u>
							Bend T	est						
														-

I/C Testing Laboratoires UET Lahore, Pakistan.

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

To,

M/S Defence Housing Authority.

Lahore Cantt

(Const and Extension of Mosque at Sector-A DHA Ph-I)(M/s Ijaz Hussain)

Reference # CED/TFL **34051** (Dr. Waseem Abbas) Dated: 22-10-2019 Reference of the request letter # 408/241/E/Lab/742/NIL Dated: 22-10-2019

Tension Test Report (Page -1/1)

Date of Test 23-10-2019 Gauge length 8 inches

Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight		neter/ ze		rea n²)	Yield load	Breaking Load		Stress si)		e Stress si)	Elongation	% Elongation	Remarks
S	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	R
1	0.381	3	0.378	0.11	0.112	3700	5200	74200	72740	104200	102300	1.10	13.8	
2	0.388	3	0.381	0.11	0.114	3600	5400	72200	69570	108200	104400	1.10	13.8	Saeed Kasur
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			N	ote: on	ly two s	amples f	or tensile	and one	sample f	or bend 1	test	1	I	
#3	Rar Ran	d Test	Fhrough	180° i	Satisfa	etory	Bend T	est						
#3	Bar Ben	d Test	I'hrough	180° is	s Satisfa	ctory								

I/C Testing Laboratoires UET Lahore, Pakistan.

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SINERALO ASSESSION AND ASSESSION ASS

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 Liberty Builders

(Construction of Zee avenue-Ramada Hotel & Suites 17-A Cooper Road, Lahore)

Reference # CED/TFL **34055** (Dr. M Rizwan Riaz) Dated: 23-10-2019 Reference of the request letter # CONC-20190723-A Dated: 23-10-2019

Tension Test Report (Page -1/1)

Date of Test 23-10-2019 Gauge length 8 inches

Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight		neter/ ze		rea n²)	Yield load	Breaking Load		Stress si)		e Stress si)	Elongation	% Elongation	Remarks
S	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	₩ E	Re
1	0.377	3	0.375	0.11	0.111	3560	4580	71400	70880	91800	91200	1.00	12.5	er
2	0.378	3	0.376	0.11	0.111	3300	4340	66200	65450	87000	86100	1.00	12.5	Ром
3	0.381	3	0.378	0.11	0.112	3660	4740	73400	72000	95000	93300	1.00	12.5	Model Power
-	-	-	-	-	-	-	-	-	-	-	-	-	-	Z
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			No	te: only	y three	samples	for tensil	e and one	e sample	for bend	test			
							Bend T	'est						
# 3	Bar Ber	nd Test	Throug	h 180° i	s Satisf	actory								

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 Pakistan. Ph: 92-42-99029202

To, M/S Amreli Steels Limited Karachi

Reference # CED/TFL **34056** (Dr. M Rizwan Riaz)

Reference of the request letter # Nil

Dated: 23-10-2019

Dated: 23-10-2019

Tension Test Report (Page -1/1)

Date of Test 23-10-2019 Gauge length 8 inches

Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

Sr. No.	Weight		neter/ ze		rea 1 ²)	Yield load	Breaking Load		Stress si)		e Stress si)	Elongation	% Elongation	Remarks
S	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	Re
1	0.377	3	0.376	0.11	0.111	3720	4900	74600	74000	98200	97500	1.00	12.5	
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•	•	•	1	-	-	•	-	ı	•	•	•	-	ı	
-	-	ı	-	-	-	ı	-	ı	-	-	-	-	ı	
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			N	ote: on	ly one s	sample fo	or tensile	and one	sample fo	or bend t	est	ı		
							D 1/1							
#2	Dor Don	d Tost '	Through	1200:	Sotiafo	otory	Bend T	est						
#3	Bar Ben	u rest	imougi	1 1 0 0 18	Sausta	ictory								

I/C Testing Laboratoires UET Lahore, Pakistan.

- 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
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