

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

To, Anas Majeed Sialkot Trade Center Sialkot

Reference # CED/TFL 1087 (Dr. M Rizwan Riaz)

Reference of the request letter # Nil

Dated: 18-03-2022

Tension Test Report (Page -1/1)

Date of Test 22-03-2022 Gauge length 8 inches

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

Sr. No.	Weight	Diam Si	neter/ ze	Ar (ir	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	R
1	0.402	3	0.388	0.11	0.118	3000	4200	60200	56000	84200	78400	0.80	10.0	
-	-	ı	-	-	0.11 0.118 3		1	-	-	-	1	Ī	1	
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1	-	ı	-	-	-	-	ı	-	-	•	ı	Ī	ı	
-	-	ı	-	-	-	-	ı	-	-	-	ı	-	ı	
,	-	-	-	-	-	-	-	-	-	-	-	1	-	
			N	ote: on	ly one s	ample fo	r tensile	and one	sample fo	or bend t	est			
#3	Bar Ben	d Test T	Through	1800 is	Satisfa	ctory	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.
- 3- Sealed sample / Unsealed sample / Marked sample/Signed Samples



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

To, Sub Divisional Officer Highway Sub Division Lalian

(Construction of Road from Wallah to District Boudary in Tehsil Lalian District Chiniot)

Reference # CED/TFL 1090 (Dr. M Rizwan Riaz)

Dated: 18-03-2022

Reference of the request letter # 89/L Dated: 15-03-2022

Tension Test Report (Page -1/1)

Date of Test 22-03-2022 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	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	₩ E	Re
1	0.381	3	0.377	0.11	0.112	3700	4800	74200	72870	96200	94600	0.80	10.0	
-	-	-	ı	-	-	1	-	-	-	-	-	-	1	
-	-	-	ı	-	-	ı	-	-	-	-	-	-	1	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	ı	-	-	-	-	-	-	-	
-	-	-	ı	-	-	ı	-	-	-	-	-	-	ı	
			N	ote: on	ly one s	sample fo	or tensile	and one	sample fo	or bend t	est			
ш2	D D	1 T 4 T	F1 1	. 1000 '	- O-4:- C	-4	Bend T	est						
#3	Bar Ben	a lest	ınrough	1 180° 18	s Satisfa	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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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. 20 Lahore

(Construction of Women Development Office Complex Sabzazar Lahore)

Reference # CED/TFL <u>1091 (Dr. M Rizwan Riaz)</u>

Reference of the request letter # 145/20th

Dated: 18-03-2022

Tension Test Report (Page -1/1)

Date of Test 22-03-2022 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)	H %	Re
1	0.376	3	0.375	0.11	0.111	3800	4600	76200	75690	92200	91700	1.10	13.8	
2	0.375	3	0.375	0.11	0.110	3700	4600	74200	74010	92200	92100	0.90	11.3	
-	-	-	_	-	-	-	-	-	-	-	-	-	-	
-		-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			N	ote: on	ly two s	amples f	or tensile	and one	sample f	or bend	test			
							Bend T	<u>'est</u>						
3/8	" Dia Ba	ır Bend	Test Th	nrough	180° is \$	Satisfacto	ry							

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 GHS Construction Co.
Lahore
(TCF Schools – Samundri & Chiniot Sites)

Reference # CED/TFL 1092 (Dr. M Rizwan Riaz)

Reference of the request letter # Nil

Dated: 18-03-2022

Tension Test Report (Page -1/1)

Date of Test 22-03-2022 Gauge length 8 inches

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

Sr. No.	Weight	Diam Si	neter/ ze		rea n²)	Yield load	Breaking Load		Stress si)		te Stress si)	Elongation	% Elongation	Remarks
S	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	R
1	0.374	3	0.374	0.11	0.110	4000	5300	80200	80300	106200	106400	1.20	15.0	Ittefaq Steel
-	-	1	1	-	0.11 0.110		-	-	-	-	-	-	-	Itte St
-	-			-	-	-	-	-	-	-	-	-	-	
-	-	1	1	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			N	ote: on	ly one s	sample fo	or tensile	and one	sample f	or bend t	est	1	ı	
#3	Bar Ben	d Test	Through	180° is	s Satisfa	ectory	Bend T	est						

I/C Testing Laboratoires UET Lahore, Pakistan.

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- 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 Madina Construction China Chowk, Lahore

Reference # CED/TFL <u>1094 (Dr. M Rizwan Riaz)</u>

Reference of the request letter # Nil

Dated: 18-03-2022

Tension Test Report (Page -1/1)

Date of Test 22-03-2022 Gauge length 8 inches

Description Deformed Steel Bar Tensile Test as per ASTM-A615

Sr. No.	Weight	Dian Si	neter/ ze	Aı (iı	rea 1 ²)	Yield load	Breaking Load		Stress si)		te Stress si)	Elongation	% Elongation	Remarks
S	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	3 %	Re
1	0.346	3	0.360	0.11	0.102	3100	4300	62200	67200	86200	93300	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	1	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	ı	-	ı	1	-	1	-	-	-	-	-	-	1	
		T			No	te: only o	ne samp	le for ten	sile test	T	T	I		
							Dand T	lost.						
							Bend T	est						

I/C Testing Laboratoires UET Lahore, Pakistan.

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- 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
(Const of Infra Works of Sector-Y, DHA Phase-VII) – (M/s DHA-C)

Reference # CED/TFL 1095 (Dr. M Rizwan Riaz)

Reference of the request letter # 408/241/32/Lab/77/1Y/SWD

Dated: 18-03-2022

Dated: 17-03-2022

Tension Test Report (Page -1/1)

Date of Test 22-03-2022 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)		te Stress si)	Elongation	% Elongation	Remarks
S	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	Re
1	0.368	3	0.371	0.11	0.108	3600	4800	72200	73280	96200	97800	1.10	13.8	u
2	0.367	3	0.371	0.11			4700	68200	69450	94200	96100	1.30	16.3	Kamran Steel
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			N	ote: onl	ly two s	amples f	or tensile	and one	sample f	or bend	test			,
							Bend T	est						
#3	Bar Ben	d Test	Γhrough	180° is	s Satisfa	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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Test Floor Laboratory Department of Civil Engineering University of Engineering and Technology Lahore, 54890 Pakistan. Ph: 92-42-99029202

To, Sub Divisional Officer Highway Sub Division No. 1 Gujrat

(Construction of Service More Flyover to Connect with Industrial Area-II Link Gujrat)

Reference # CED/TFL <u>1096 (Dr. M Rizwan Riaz)</u>

Reference of the request letter # 74/GTI

Dated: 18-03-2022

Tension Test Report (Page -1/1)

Date of Test 22-03-2022 Gauge length 8 inches

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

Sr. No.	Weight	Si	neter/ ze ch)		rea n²)	Yield load	Breaking Load		Stress si)		e Stress si)	Elongation	% Elongation	Remarks
<i>S</i> 2	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	₩ E	Re
1	4.324	1- ¹ / ₄	1.272	1.27	1.271	40600	56000	70500	70410	97200	97200	1.50	18.8	
2	4.316	1-1/4	1.271	1.27	1.268	37200	54400	64600	64640	94500	94600	1.40	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	ı	1	-	1	-	1	-	-	-	-	-	-	1	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			N	ote: on	ly two s	amples f	or tensile	and one	sample f	or bend t	test			
1-1	/ ₄ " Dia E	Bar Ben	d Test T	Through	180° is	Satisfact	Bend Tory	est						

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 Defence Housing Authority.
Lahore Cantt
(Const of Water Course Sector-M, DHA Phase-V) – (M/s DHA-C)

Reference # CED/TFL <u>1097 (Dr. M Rizwan Riaz)</u>

Reference of the request letter # 408/241/32/Lab/78/184

Dated: 18-03-2022

Dated: 18-03-2022

Tension Test Report (Page -1/1)

Date of Test 22-03-2022 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)		te Stress si)	Elongation	% Elongation	Remarks
S	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	3 %	Re
1	0.365	3	0.370	0.11	0.107	3500	5300	70200	71900	106200	108900	1.10	13.8	
2	0.362	3	0.368	0.11	0.106	3400	5300	68200	70450	106200	109900	1.10	13.8	Saeed Kasur
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			No	ote: on	ly two s	amples f	or tensile	and one	sample f	or bend	test			
							Bend T	est						
#3	Bar Ben	d Test	Γhrough	180° is	s Satisfa	ictory								

I/C Testing Laboratoires UET Lahore, Pakistan.

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- 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, Sub Divisional Officer Buildings Sub Division No. 20 Lahore

(Construction of Multi-Purpose Complex at Civic Cntre Jublee Town, Lahore)

Reference # CED/TFL <u>1099 (Dr. M Rizwan Riaz)</u>

Reference of the request letter # 139/20th

Dated: 21-03-2022

Tension Test Report (Page -1/1)

Date of Test 22-03-2022 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)	3 %	Re
1	0.367	3/8	0.371	0.11	0.108	3400	4600	68200	69470	92200	94000	1.20	15.0	
2	0.361	3/8	0.368	0.11	0.106	3200	4500	64200	66390	90200	93400	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			N	ote: on	ly two s	amples f	or tensile	and one	sample f	or bend 1	test	1	1	1
3/8	" Dia Ra	ar Rend	Test Ti	ารกบส์	180° is 9	Satisfacto	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 Ittefaq Construction Associates Lahore

(Respected Faizan Liaqat Sab, 330 R-Block, Johar Town, Lahore)

Reference # CED/TFL <u>1100 (Dr. M Rizwan Riaz)</u>
Reference of the request letter # Nil

Tension Test Report (Page -1/1)

Date of Test 22-03-2022 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)	I %	Re
1	0.376	3	0.375	0.11	0.110	3700	4800	74200	73820	96200	95800	0.90	11.3	
-	•	-	-	-	-	-	-	-	-	-	-	-	•	
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-	ı	-	-	ı	-	-	-	•	-	-	•	-	ı	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			N	ote: on	ly one s	sample fo	r tensile	and one	sample fo	or bend t	est			
							Bend T	est						
#3	Bar Ben	d Test	Through	180° is	s Satisfa	ctory								

I/C Testing Laboratoires UET Lahore, Pakistan.

Dated: 21-03-2022

Dated: 15-03-2022

- 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, Sub Divisional Officer Highway Sub Division Taunsa

(Construction of Metalled Road from Adda Kareem wala to Usman Shah via Basti Lashari & Basti Dakhana Length = 14.00 km Tehsil Taunsa, D.G. Khan)

Reference # CED/TFL 1101 (Dr. M Rizwan Riaz)

Reference of the request letter # 1247/T

Tension Test Report (Page -1/1)

Date of Test 22-03-2022 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)	Ultimat (p	e Stress si)	Elongation	% Elongation	Remarks
S	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	3 %	Re
1	0.417	3	0.395	0.11	0.123	4200	5100	84200	75470	102200	91700	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			N	ote: on	ly one s	sample fo	r tensile	and one	sample fo	or bend t	est			
							Bend T	est est						
#3	Bar Ben	d Test	Through	180° is	s Satisfa	ctory								

I/C Testing Laboratoires UET Lahore, Pakistan.

Dated: 21-03-2022

Dated: 20-12-2021

- 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

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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