

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
Nankana Sahib
(The Project GS, No. 5817 (Group

(The Project GS. No. 5817 (Group-3) for The Year 2021-22)

Reference # CED/TFL 1310 (Dr. Ali Ahmed)

Reference of the request letter # 1022/SDO/BSD/NNS

Dated: 21-04-2022

Dated: 18-04-2022

Tension Test Report (Page -1/6)

Date of Test 27-04-2022 Gauge length 8 inches

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

Sr. No.	Weight	Si	neter/ ize ch)		rea 1 ²)	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	0.377	3/8	0.376	0.11	0.111	3800	4900	76200	75630	98200	97600	0.80	10.0	
-	-	-	-	ı	-	-	-	1	-	-	-	-	1	
-	-	-	-	ı	-	-	-	ı	-	-	-	-	ı	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	1	-	-	-	-	-	-	-	-	-	
1	-	-	-	1	-	-	_	-	-	-	-	1	-	
		Note: only one sample for tensile and one sample for bend test										1		
- /-							Bend T	est						
3/8	" Dia Ba	r Bend	Test Th	nrough	180° is \$	Satisfacto	ory							

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
Building Sub Division
Nankana Sahib

(The Project GS. No. 5817 (Group-2) for The Year 2021-22)

Reference # CED/TFL <u>1310 (Dr. Ali Ahmed)</u>
Reference of the request letter # 1020/SDO/BSD/NNS
Dated: 21-04-2022

Tension Test Report (Page -2/6)

Date of Test 27-04-2022 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)		e Stress si)	Elongation	% Elongation	Remarks
S	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	R
1	0.393	3/8	0.383	0.11	0.115	3100	4800	62200	59190	96200	91700	1.50	18.8	
-	-	1	-	1	-	1	-	-	-	-	ı	-	1	
-	•	ı	-	ı	-	ı	-	-	-	-	-	-	ı	
-	-	ı	-	-	-	ı	-	-	-	-	-	-	ı	
-	-	ı	-	-	-	ı	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Note: only one sample for tensile and one sample for bend test												
2/0	" Die De	n Don d	Togt Tl	mough	1900 : 6	Satisfacts	Bend T	est						
3/8	ріа Ва	u bena	1est II	nougn	100 18 8	Satisfacto	or y							

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
Building Sub Division
Nankana Sahib
(The Project GS. No. 5817 (Group-1) for The Year 2021-22)

Reference # CED/TFL 1310 (Dr. Ali Ahmed)

Reference of the request letter # 1019/SDO/BSD/NNS

Dated: 21-04-2022

Dated: 18-04-2022

Tension Test Report (Page -3/6)

Date of Test 27-04-2022 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 2	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	Э%	R
1	0.389	3/8	0.382	0.11	0.114	3000	4100	60200	57850	82200	79100	1.30	16.3	
-	1	1	-	ı	-	-	-	1	-	-	-	-	-	
-	1	1	-	ı	-	-	-	1	-	-	-	-	-	
_	ı	ı	-	1	-	-	-	1	-	-	-	-	-	
-	1	ı	-	ı	-	-	-	ı	-	-	-	-	-	
-	-	-	-	1	-	-	-	-	-	-	-	-	-	
			Note: only one sample for tensile and one sample for bend test											
							Bend T	est						
3/8	" Dia Ba	ır Bend	Test Th	nrough	180° is S	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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- 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
Building Sub Division
Nankana Sahib
(The Project CS, No. 5817 (Cree)

(The Project GS. No. 5817 (Group-2) for The Year 2021-22)

Reference # CED/TFL 1310 (Dr. Ali Ahmed)

Reference of the request letter # 1021/SDO/BSD/NNS

Dated: 21-04-2022

Dated: 18-04-2022

Tension Test Report (Page -4/6)

Date of Test 27-04-2022 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
S	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	Re
1	0.390	3/8	0.382	0.11	0.115	3200	4900	64200	61580	98200	94300	1.50	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	ı	-	-	-	-	-	-	-	-	-	-	ı	
-	-	ı	-	-	-	-	-	-	-	-	-	-	ı	
-	-	ı	-	-	-	-	-	-	-	-	-	-	ı	
-		1	-	-	-	-	-	-	-	-	-	1	-	
		Note: only one sample for tensile and one sample for bend test									est			
							D 17	<u> </u>						
3/8	" Dia Ba	ır Bend	Test Th	nrough	180° is \$	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
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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
Building Sub Division
Nankana Sahib
(The Project GS. No. Bhu Fatha Thatha for The Year 2021-22)

Reference # CED/TFL 1310 (Dr. Ali Ahmed)

Reference of the request letter # 892/SDO/BSD/NNS

Dated: 21-04-2022

Dated: 11-03-2022

Tension Test Report (Page -5/6)

Date of Test 27-04-2022 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	R
1	0.382	3/8	0.378	0.11	0.112	3000	4300	60200	58820	86200	84400	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	1	-	-	-	-	-	-	-	-	-	
-	-	-	-	1	-	-	-	-	-	-	-	-	1	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			N	ote: on	ly one s	ample fo	r tensile	and one	sample fo	or bend t	est	ı		I
3/8	" Dia Ba	ır Bend	Test Th	nrough	180° is S	Satisfacto	Bend T ry	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,
Sub Divisional Officer
Building Sub Division
Nankana Sahib
(The Project GS. No. 876 for The Year 2021-22)

Reference # CED/TFL 1310 (Dr. Ali Ahmed)

Reference of the request letter # 1032/SDO/BSD/NNS

Dated: 21-04-2022

Dated: 04-04-2022

Tension Test Report (Page -6/6)

Date of Test 27-04-2022 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)		e Stress si)	Elongation	% Elongation	Remarks
S	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	3 %	Re
1	0.476	3/8	0.422	0.11	0.140	3500	5400	70200	55090	108200	85000	0.80	10.0	
-	-	1	-	ı	-	-	-	-	-	-	1	-	1	
-	-	ı	-	ı	-	-	-	-	-	-	ı	-	ı	
-	-	ı	-	1	-	-	-	-	-	-	1	-	ı	
-	-	ı	-	ı	-	-	-	-	-	-	ı	-	1	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			N	ote: on	ly one s	sample fo	r tensile	and one	sample f	or bend t	est	ı		I
							Bend T	est						
3/8	" Dia Ba	ır Bend	Test Th	nrough	180° is \$	Satisfacto	ry							

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, Material Engineer TGC Builders (Private) Limited The Grand Central Mall, TGC, Faisalabad

Reference # CED/TFL <u>1314 (Dr. Ali Ahmed)</u>

Reference of the request letter # ME/TGC/Faisalabad

Dated: 25-04-2022

Dated: 22-04-2022

Tension Test Report (Page -1/1)

Date of Test 27-04-2022 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
S 2	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	3 %	R
1	0.359	3	0.366	0.11	0.105	3100	4500	62200	64830	90200	94200	1.10	13.8	
2	0.358	3	0.366	0.11	0.105	3100	4500	62200	64950	90200	94300	1.10	13.8	
3	4.160	10	1.248	1.27	1.223	33400	50800	58000	60200	88200	91600	1.70	21.3	
4	4.165	10	1.248	1.27	1.224	33600	50400	58400	60500	87500	90800	1.80	22.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			No	ote: onl	y four s	sample fo	r tensile	and two	samples	for bend	test			
							Bend T	est						
#3	Bar Ben	d Test	Through	n 180° is	s Satisfa	ictory								

I/C Testing Laboratoires UET Lahore, Pakistan.

Note:

#10 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
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Test Floor Laboratory Department of Civil Engineering University of Engineering and Technology Lahore, 54890 Pakistan. Ph: 92-42-99029202

To,

Deputy Executive Officer (Works)

Punjab Safe Cities Authority

Lahore

(Restoration / Relocation / Shifting of PSCA Infrastructure at Diferent Sites Through Framework

Contract)

Reference # CED/TFL 1316 (Dr. Ali Ahmed)

Reference of the request letter # 4647/Works/PSCA/2022

Dated: 25-04-2022 Dated: 20-04-2022

Tension Test Report (Page -1/1)

Date of Test 27-04-2022 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)		e Stress si)	Elongation	% Elongation	Remarks
S	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	H %	R
1	0.374	3	0.374	0.11	0.110	4000	5300	80200	80300	106200	106400	0.70	8.8	
2	0.378	3	0.376	0.11	0.111	4000	5000	80200	79440	100200	99300	1.00	12.5	
-	-	-		-	-	-	-	-	-	-	-	-	-	
-	-	-		-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Note: only				amples f	or tensile	and one	sample f	or bend	test			
							Bend T	`est						
#3	Bar Ben	d Test	Γhrough	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, Sub Divisional Officer Buildings Sub Division No. 2 Lahore

(Reconstruction of 6-No Classrooms, Stair Case at Govt Girls Higher Secondary School

Samanabad Lahore)

Reference # CED/TFL 1318 (Dr. Ali Ahmed)

Reference of the request letter # 1086/2nd

Dated: 25-04-2022

Dated: 11-04-2022

Tension Test Report (Page -1/1)

Date of Test 27-04-2022 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)	I %	R
1	0.401	3/8	0.387	0.11	0.118	3500	4700	70200	65420	94200	87900	1.10	13.8	
2	0.398	3/8	0.386	0.11	0.117	3700	4800	74200	69780	96200	90600	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		ı	N	ote: on	ly two s	amples f	or tensile	and one	sample f	or bend	test			
							Bend T	est						
3/8	8" Dia Ba	ar Bend	Test Tl	nrough	180° is \$	Satisfacto	ry							

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, Sub Divisional Officer Highway Sub Division Arifwala

(Widening / Improvement of Remaining Portion of TrikhaniRoad Arifwala Length = 14.50 km

in District Pakpattan)

Reference # CED/TFL 1319 (Dr. Ali Ahmed)

Reference of the request letter # 131/HSD

Dated: 25-04-2022

Dated: 25-04-2022

Tension Test Report (Page -1/1)

Date of Test 27-04-2022 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)		e Stress si)	Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	3 %	R
1	0.377	3/8	0.376	0.11	0.111	3700	4700	74200	73610	94200	93500	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-		-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			N	ote: on	ly one s	sample fo	r tensile	and one	sample fo	or bend t	est			
							Bend T	est						
3/8	" Dia Ba	ar Bend	Test Th	nrough	180° is \$	Satisfacto	ry							

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,
Resident Engineer
ESAC Sector K DHA Multan
Sector K DHA Main Office & Gate House Building

Reference # CED/TFL 1320 (Dr. Ali Ahmed)

Reference of the request letter # RE/ESAC/SECTOR K/142

Dated: 25-04-2022

Dated: 22-04-2022

Tension Test Report (Page -1/1)

Date of Test 27-04-2022 Gauge length 8 inches

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

Sr. No.	Weight	Diam si			rea 1²)	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	0.427	3	0.400	0.11	0.126	3500	5200	70200	61470	104200	91400	1.00	12.5	S.J. Steel
2	0.396	3	0.385	0.11	0.116	3400	5300	68200	64460	106200	100500	1.00	12.5	St
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	_	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	_	-	-	-	-	-	-	
			No	ote: onl	ly two s	amples f	or tensile	and one	sample f	or bend t	test	ı		
#3	Bar Ben	d Test	Γhrough	180° is	s 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
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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 Mascon Associates (Pvt) Ltd **HA** Consulting

"Improvement & Development of Jallo Safari Lahore"

Reference # CED/TFL 1321 (Dr. Ali Ahmed) Dated: 25-04-2022 Reference of the request letter # MAC-HAC/WLD/LAB/02 Dated: 15-04-2022

Tension Test Report (Page -1/1)

Date of Test 27-04-2022 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)		te Stress si)	Elongation	% Elongation	Remarks
S	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	I %	Re
1	0.395	3/8	0.385	0.11	0.116	3500	5800	70200	66400	116300	110100	0.50	6.3	
2	0.378	3/8	0.376	0.11	0.111	2700	4500	54100	53600	90200	89400	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-		-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			N	ote: on	ly two s	amples f	or tensile	and one	sample 1	or bend	test	1		
3/8	" Dia Ra	ır Rend	Test Ti	rough	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.
- 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, Quantity Surveyor Linker Developers (Pvt) Ltd Construction of Rolustech Tower, Gulberg III, Lahore

Reference # CED/TFL <u>1323 (Dr. Ali Ahmed)</u>

Reference of the request letter # Nil

Dated: 25-04-2022

Tension Test Report (Page -1/1)

Date of Test 27-04-2022 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)		e Stress si)	Elongation	% Elongation	Remarks
S	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	R
1	0.382	3	0.378	0.11	0.112	3300	4800	66200	64790	96200	94300	0.90	11.3	Steel
-	-	-	-	-	-	-	-	-	-	-	-	-	-	FFS
-	-	-		-	-	-	-	-	-	-	-	-	-	
-	-	-	ı	ı	-	-	-	-	-	-	-	-	ı	
-	•	-	ı	ı	-	-	-	•	-	-	•	-	ı	
-	-	-	•	-	-	-	-	-	-	-	-	-	ı	
			N	ote: on	ly one s	sample fo	or tensile	and one	sample fo	or bend t	est	1		
							Dand T	last						
#3	Bar Ben	d Test	Γhrough	180° is	s 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 Buildings Sub Division Sialkot

(Construction of Additional Courts in The Remises of Existing Civil Courts Complex at D.C

Road Sialkot)

Reference # CED/TFL <u>1324 (Dr. Ali Ahmed)</u> Reference of the request letter # 455/ST Dated: 25-04-2022 Dated: 17-03-2022

Tension Test Report (Page -1/1)

Date of Test 27-04-2022 Gauge length 8 inches

Description Deformed Steel Bar Tensile 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	R
1	0.366	3	0.370	0.11	0.107	3300	4600	66200	67680	92200	94400	1.00	12.5	
2	0.367	3	0.370	0.11	0.108	3300	4700	66200	67480	94200	96200	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		1			Not	e: only t	wo sampl	les for te	nsile test			1		
							D 15	<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
- 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,
Resident Engineer
NESPAK
Dualization of Sargodha - Khushab - Mainwali Road

Reference # CED/TFL 1325 (Dr. Ali Ahmed)

Reference of the request letter # RE/4376-E/MH/4c/47

Dated: 25-04-2022

Dated: 06-04-2022

Tension Test Report (Page -1/1)

Date of Test 27-04-2022 Gauge length 8 inches

Description Deformed Steel Bar Tensile and Ben;d 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	R
1	0.236												16.3	eel
2	0.241												18.8	Nomi Steel
3	0.362	3	0.368	0.11	0.106	3000	4900	60200	62100	98200	101500	0.90	11.3	No
4	0.366	3	0.370	0.11	0.108	3200	5000	64200	65580	100200	102500	1.00	12.5	
-	-	-	-	-	-	-	_	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		ı	No	te: only	four s	amples f	or tensile	and two	samples	for bend	test	ı		
							Bend T	est						
#2	Bar Ben	d Test	Through	180° is	s Satisfa	ictory								
#3	Bar Ben	d Test	Through	n 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
- 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,
Project Manager
Ivcc Pvt Ltd
Construction of Starch Pack Green Field, Kasur

Reference # CED/TFL 1326 (Dr. Ali Ahmed)

Reference of the request letter # Nil

Dated: 25-04-2022

Tension Test Report (Page -1/1)

Date of Test 27-04-2022 Gauge length 8 inches

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

Sr. No.	Weight	Si	neter/ ze m)		rea 1 ²)	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	0.378	10	9.55	0.12	0.111	3500	4600	64301	69490	84510	91400	1.30	16.3	
2	0.381	10	9.59	0.12	0.112	3800	4800	69812	74770	88184	94500	0.90	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			N	ote: on	ly two s	amples f	or tensile	and one	sample f	or bend	test	1		
	Note: only two samples for tensile and one sample for bend test Bend Test													
101	mm Dia	Bar Be	nd Test	Throug	h 180° i	s Satisfac		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,
Procurement Manager
Premier Developers & Builders
Lyallpur Galleria-II Near Four Season Colony Samundri Road, Faisalabad

Reference # CED/TFL 1327 (Dr. Ali Ahmed)

Reference of the request letter # LG-II/016

Dated: 25-04-2022

Dated: 22-04-2022

Tension Test Report (Page -1/1)

Date of Test 27-04-2022 Gauge length 8 inches

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

Sr. No.	Weight	Diam Si	ieter/ 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	0.367	3	0.371	0.11	0.108	3300	4600	66200	67370	92200	94000	1.00	12.5	e e
	-	-	-	-	-	-	-	-	-	-	-	-	-	FF Steel
ı	-	ı	ı	1	-	1	-	-	-	-	-	-	-	
1	-	ı	ı	ı	-	ı	-	-	-	-	-	-	-	
,	-	1	1	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			N	ote: on	ly one s	sample fo	or tensile	and one	sample f	or bend t	est	1	1	1
112	D. D.	Note: only one sample for tensile and one sample for bend test Bend Test Bend Test Through 180° is Satisfactory												
#3	Bar Ben	d Test	Through	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
- 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, Executive Engineer (B&W) UVAS, Lahore

"Construction of 2nd Floor of Amina Hall at City Campus, UVAS, Lahore

Reference # CED/TFL <u>1331 (Dr. Ali Ahmed)</u> Reference of the request letter # E.E. 0738

Tension Test Report (Page -1/1)

Date of Test 27-04-2022 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)		te Stress si)	Elongation	% Elongation	Remarks
S	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	Re
1	0.378	3/8	0.376	0.11	0.111	3800	5200	76200	75330	104200	103100	0.90	11.3	Steel
-	-	-	-	-	-	-	-	-	-	-	-	-	-	FF
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1	-	-	-	-	-	-	-	-	-	-	-	-	-	
1	-	-	-	-	-	-	-	-	-	-	-	-	-	
			N	ote: on	ly one s	sample fo	or tensile	and one	sample f	or bend t	est	ı	Г	
							D 17							
3/8	" Dia Ba	ır Bend	Test Th	nrough	180° is \$	Satisfacto	Bend Tory	est						

I/C Testing Laboratoires UET Lahore, Pakistan.

Dated: 26-04-2022

Dated: 11-04-2022

- 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
- 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,
Resident Engineer
Islam Barrage Consultants (IBC)
Rehabilitation and Modernization of Islam Barrage
(DESCON)

Reference # CED/TFL 1332 (Dr. Ali Ahmed)

Reference of the request letter # IBC/RE/UET/006

Dated: 26-04-2022

Dated: 22-04-2022

Tension Test Report (Page -1/1)

Date of Test 27-04-2022 Gauge length 8 inches

Description Deformed Steel Bar Tensile and Ben;d 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	0.435 3 0.404 0.11 0.128 4300 5800 86200 74120 116300 10											0.80	10.0	el
2	0.435												12.5	Pak Steel
3	0.434	3	0.403	0.11	0.128	4500	5800	90200	77690	116300	100200	1.10	13.8	Pa
4	0.426	3	0.399	0.11	0.125	4300	5700	86200	75710	114300	100400	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		ı	No	te: only	y four s	amples f	or tensile	and two	samples	for bend	test	ı		
							D 17							
112	D D	100	T1 1	1000	G .: C		Bend T	est						
	Bar Ben													
#3	Bar Ben	d Test	Through	180° is	s Satisfa	ictory								
			<u> </u>											

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,
Resident Engineer
Bahria Town Private Limited
Permanent Boundary Wall at Alamgir Block Bahria Town Multan Road, Lahore

Reference # CED/TFL 1333 (Dr. Ali Ahmed)

Reference of the request letter # QA/QC-Steel-2599

Dated: 26-04-2022

Dated: 25-04-2022

Tension Test Report (Page -1/1)

Date of Test 27-04-2022 Gauge length 8 inches

Description Deformed Steel Bar Tensile and Ben;d Test as per ASTM-A615

Sr. No.	Weight	Diam Si			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)	% E	Re
1	0.383	3	0.379	0.11	0.113	4000	4800	80200	78300	96200	94000	0.80	10.0	teel
2	0.384	3	0.379	0.11	0.113	3900	4900	78200	76220	98200	95800	1.00	12.5	Mughal Steel
-	-	-	-	-	-	-	-	-	-	-	-	-	-	Mug
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			No	ote: on	y two s	amples f	or tensile	and one	sample f	or bend	test	1		
							Bend T	`est						
#3	Bar Ben	d Test	Γhrough	180° is	s Satisfa	ectory	Delia 1	Cot						

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,
Resident Engineer
City Survey & Engineering Consultants
Green View Executive Apartments Phase-V

Reference # CED/TFL 1335 (Dr. Ali Ahmed)

Reference of the request letter # GVA/RE/06/22

Dated: 26-04-2022

Dated: 18-04-2022

Tension Test Report (Page -1/1)

Date of Test 27-04-2022 Gauge length 8 inches

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

Sr. No.	Weight	Diam si			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)	3 %	Re
1	0.380	3	0.377	0.11	0.112	3800	4800	76200	74970	96200	94700	0.90	11.3	
2	0.380	3	0.377	0.11	0.112	3800	4600	76200	74920	92200	90700	0.90	11.3	
-	-	ı	ı	1	-	ı	-	-	-	-	-	-	ı	
-	-	-	1	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			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.

- 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 Buildings Sub Division No. 5 Lahore

(Extansion - Expansion of Inspectorate of Prisons Punjab Lahore Group No. 1)

Reference # CED/TFL 1337 (Dr. Ali Ahmed)

Reference of the request letter # 903/5th

Dated: 26-04-2022

Tension Test Report (Page -1/1)

Date of Test 27-04-2022 Gauge length 8 inches

Description Deformed Steel Bar Tensile Test as per ASTM-A615

Sr. No.	Weight	Si	neter/ ze ch)		rea 1 ²)	Yield load	Breaking Load		Stress si)		e Stress si)	Elongation	% Elongation	Remarks
S	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	Re
1	0.385	3/8	0.379	0.11	0.113	3300	4700	66200	64340	94200	91700	1.30	16.3	
2	0.388	3/8	0.381	0.11	0.114	3400	4800	68200	65640	96200	92700	1.30	16.3	
-	-	-	-	-	-	-	_	-	-	-	-	-	-	
-	-	-	-	-	-	-	_	-	-	-	-	-	-	
-	-	-	-	-	-	-	_	-	-	-	-	-	-	
-	-	-	-	-	-	-	_	-	-	-	-	-	-	
			1		Not	e: only t	wo sampl	es for ter	isile test	ı	ı			
	Note: only two samples for tensile test Bend 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
- 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, M/S United Wire Industries (Pvt) Limited Lahore

Reference # CED/TFL <u>1338 (Dr. Ali Ahmed)</u>
Reference of the request letter # UWIL/D-837

Dated: 26-04-2022

Dated: 26-04-2022

Tension Test Report (Page - 1/1)

Date of Test 27-04-2021 Gauge length 640 mm

Description Steel Strand Tensile Test as per ASTM A-416-94a

Sr. No.	Nominal Diameter	Nominal Weight	Measured weight	Yield st clause		Breal strength (6.2	clause	% Elongation	Remarks/ Coil No.
	(mm)	(kg/km)	(kg/km)	(kg)	(kN)	(kg)	(kN)	%	Rema
1	9.53 (3/8")	432.0	432.0	9100	89.27	10200	100.06	>3.50	1264
-	-	-	-	-	-	-	-	-	-
-	-	-	-	1	-	-	-	-	1
-	-	-	-	-	-	-	-	1	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Only one sample for 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
- 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,
Project Manager
Zaheer Associates
AR Developers & Town Planers
Main Gate in Al-Rehman Commercial Centre Gujranwala

Reference # CED/TFL 1339 (Dr. Ali Ahmed)

Reference of the request letter # Z.A/A.R/30-22

Dated: 26-04-2022

Dated: 26-04-2022

Tension Test Report (Page -1/1)

Date of Test 27-04-2022 Gauge length 8 inches

Description Deformed Steel Bar Tensile and Ben;d Test as per ASTM-A615

Sr. No.	Weight		neter/ ze	Ar (ir	rea 1 ²)	Yield load	Breaking Load		Stress si)		te Stress si)	Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal (#)	Actual (inch)			(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	₩ E	Ŗ
1	0.370	3	0.372	0.11	0.109	3000	5000	60200	60720	100200	101200	1.10	13.8	qo
2	0.365	3	0.370	0.11			5000	62200	63640	100200	102700	1.00	12.5	Mehboob Steel
-	-	-	-	-	-	-	-	-	-	-	-	-	-	W
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			No	ote: onl	ly two s	amples f	or tensile	and one	sample f	or bend 1	test			
							Bend T	est						
#3	Bar Ben	d Test	Γhrough	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
- 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,
Project Manager
Zaheer Associates
AR Developers & Town Planers
Mosque in Al-Rehman Commercial Centre Gujranwala

Reference # CED/TFL 1340 (Dr. Ali Ahmed)

Reference of the request letter # Z.A/A.R/29-22

Dated: 26-04-2022

Dated: 26-04-2022

Tension Test Report (Page -1/1)

Date of Test 27-04-2022 Gauge length 8 inches

Description Deformed Steel Bar Tensile and Ben;d Test as per ASTM-A615

Sr. No.	Weight	Diameter/ Size		Area (in²)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		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	3200	5000	64200	65400	100200	102200	0.80	10.0	Moeez Steel
-	ı	-	-	ı	-	-	-	-	-	-	-	-	-	Mo
-	ı	-	-	ı	-	-	-	•	-	-	-	-	-	
1	-	-	-		-	-	-	-	-	-	-	-	-	
1	-	-	-	-	-	-	-	-	-	-	-	-	-	
1	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Note: only one sample for tensile and one sample for bend test													
							D 15							
							Bend T	est						
#3	Bar Ben	d Test	Γhrough	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
- 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, Senior Manager Projects - Civil Vision Packaging Volka Food International Limited Bahawalpur Road, Multan

Reference # CED/TFL 1343 (Dr. Ali Ahmed)

Reference of the request letter # VFI/Civil/10

Dated: 26-04-2022

Dated: 26-04-2022

Tension Test Report (Page -1/1)

Date of Test 27-04-2022 Gauge length 8 inches

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

Sr. No.	Weight	Diameter/ Size (inch)		Area (in²)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
8	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	H %	R
1	0.376	3/8	0.375	0.11	0.110	3500	4800	70200	69860	96200	95800	1.00	12.5	
2	0.377	3/8	0.375	0.11	0.111	3300	4700	66200	65700	94200	93600	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			No	ote: on	ly two s	amples f	or tensile	and one	sample f	or bend t	test	ı		
Bend Test 3/8" Dia Bar Bend Test Through 180° is Satisfactory														

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, Resident Engineer Sitara Heights Private Limited, Lahore "Sitara 3-Jays Tower" Firdous Market Lahore

Reference # CED/TFL 1346 (Dr. Ali Ahmed)

Reference of the request letter # SHPL/3JAYS/LHR/07

Dated: 27-04-2022

Dated: 27-04-2022

Tension Test Report (Page -1/1)

Date of Test 27-04-2022 Gauge length 8 inches

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

Sr. No.	Weight	Diameter/ Size		Area (in²)		Yield load	Breaking Load	Yield Stress (psi)		Ultimate Stress (psi)		Elongation	% Elongation	Remarks
S	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	3 %	Re
1	0.357	3	0.365	0.11	0.105	3000	4400	60200	63050	88200	92500	1.50	18.8	
2	0.364	3	0.369	0.11	0.107	3000	4600	60200	61790	92200	94800	1.30	16.3	
-	-	-	ı	1	-	-	-	-	-	-	-	1	ı	
-	-	-	1	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Note: only two samples for tensile and one sample for bend test													
Bend Test														
#3	#3 Bar Bend Test Through 180° is Satisfactory													

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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