

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

To, M/S Asia Consultancy Group Kabul, Afghanistan

Reference # CED/TFL **33822** (Dr. Qasim Khan)

Reference of the request letter # RTCC/UET/Civil/Angle Test/12-19

Dated: 13-09-2019

Dated: 12-09-2019

Tension Test Report (Page - 1/1)

Date of Test 17-09-2019 Gauge length 2 inches

Description Steel Plate Steel Strip Tensile and Bend Test as per AATM A36

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	2x2	27.20x4.50	122.40	4900	7000	392.72	561.03	0.70	35.00	Tab4ia a C4aal
2	2x2	27.20x4.50	122.40	5000	7000	400.74	561.03	0.70	35.00	Ishtiaq Steel
3	3x3	27.10x4.60	124.66	5100	7000	401.34	550.86	0.70	35.00	C!4 C41
4	3x3	27.10x4.60	124.66	4800	7000	377.73	550.86	0.70	35.00	City Steel
5	5x5	27.40x13.00	356.20	12900	18500	355.28	509.50	0.70	35.00	Shalimar
6	5x5	27.40x13.00	356.20	12600	18600	347.01	512.26	0.80	40.00	Steel
		Only Six S	Sample for	r Tensile	and Thre	e Sample	es for Be	nd Test	•	
				В	end Test					

Strip Taken from Angle 2"x2" Bend Test Through 180° is Satisfactory

Strip Taken from Angle 3"x3" Bend Test Through 180° is Satisfactory

Strip Taken from Angle 5"x5" 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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Test Floor Laboratory Department of Civil Engineering University of Engineering and Technology Lahore, 54890 Pakistan. Ph: 92-42-99029202

To, M/S Saad Hammad Associates Lahore

Reference # CED/TFL **33827** (Dr. Waseem Abbas)

Reference of the request letter # Nil

Dated: 16-09-2019

Dated: 16-09-2019

Tension Test Report (Page -1/1)

Date of Test 17-09-2019
Gauge length 8 inches

Description Deformed Steel Bar Tensile Test as per ASTM-A615

Sr. No.	Weight	Diam si		Aı (iı	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)	3 %	Re
1	0.364	3	0.369	0.11	0.107	3700	4800	74200	76310	96200	99000	0.90	11.3	
-	•	-	•	-	-	-	-	-	-	-	-	-	-	
-	-	•	-	•	-	•	-	-	-	-	-	-	1	
-	-	•	-	•	-	•	-	-	-	-	-	-	1	
-	•	•	•	•	-	•	-	-	-	-	-	-	ı	
-	-	-	-	ı	-	ı	-	-	-	-	-	-	ı	
		Т			No	te: only o	ne samp	le for ten	sile test	ı	T	ı		
							Bend T	est						

I/C Testing Laboratoires UET Lahore, Pakistan.

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To,
Managing Director
Bilal & Brothers
Construction of Regional Blood Centre (RBC), Skardu

Reference # CED/TFL **33829** (Dr. Waseem Abbas)

Reference of the request letter # RBC/SKD

Dated: 16-09-2019

Dated: 16-09-2019

Tension Test Report (Page -1/1)

Date of Test 17-09-2019 Gauge length 8 inches

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

Sr. No.	Weight		ize (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	R
1	0.360	3	0.367	0.11	0.106	3200	4400	64200	66630	88200	91700	0.80	10.0	
•	-	-	•	-	-	-	-	-	-	-	-	-	-	
•	-	•	•	•	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
•	-	-	-	-	-	-	-	-	-	-	-	-	-	
			N	ote: on	ly one s	ample fo	r tensile	and one	sample fo	or bend t	est			
ш2	Bend Test													
#3	#3 Bar Bend Test Through 180° is Satisfactory													

I/C Testing Laboratoires UET Lahore, Pakistan.

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LAHOSE .

STRUCTURAL ENGINEERING DIVISION

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

To, GM

Professional Construction Services (Pvt) Ltd TCF Primary School at Chak # 521 Adda Zaheer Nagar Burewala

Reference # CED/TFL **33831** (Dr. Waseem Abbas)

Reference of the request letter # PCS/19/Eng-60-A

Dated: 16-09-2019

Dated: 16-09-2019

Tension Test Report (Page -1/1)

Date of Test 17-09-2019 Gauge length 8 inches

Description Deformed Steel Bar Tensile Test as per ASTM-A615

Sr. No.	Weight	Dian 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)	% E	Re
1	0.371	3	0.372	0.11	0.109	3000	4100	60200	60720	82200	83000	1.70	21.3	
2	0.370	3	0.372	0.11	0.109	3000	4100	60200	60880	82200	83200	1.50	18.8	
-	•	•	-	1	-	-	-	•	-	-	-	-	ı	
-	-	-	-	•	-	-	-	-	-	-	-	-	-	
-	-	-	-	1	-	-	-	-	-	-	-	-	-	
-	ı	•	•	•	-	-	-	•	•	•	•	-	ı	
					Not	e: only t	wo sampl	es for ter	nsile test	T				
	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 Pakistan. Ph: 92-42-99029202

To, M/S Riz Builders Lahore

(Boundary wall Plot No. 3 at FIEDM at Faisalabad)(Chishty Brothers)

Reference # CED/TFL **33832-842** (Dr. Waseem Abbas)

Reference of the request letter # Nil

Dated: 16-09-2019

Dated: 16-09-2019

Tension Test Report (Page -1/1)

Date of Test 17-09-2019
Gauge length 8 inches

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

Sr. No.	Weight	Si	neter/ ize ch)	Area (in²)		Yield load	Breaking Load		Stress si)		e Stress si)	Elongation	% Elongation	Remarks
S	(lbs/ft)	Nominal	Actual	Nominal			(kg)	Nominal	Actual	Nominal	Actual	(inch)	₩ E	Re
1	0.387	3/8	0.380	0.11	0.114	3800	4800	76200	73680	96200	93100	0.90	11.3	
-	•	1	-	1	-	-	-	•	-	-	•	-	-	
-	-	•	-	•	-	-	-	•	-	-	•	-	-	`
-	•	•	-	•	-	-	-	•	-	-	•	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			N	ote: on	ly one s	sample fo	r tensile	and one	sample f	or bend t	est	1	1	1
2 /0	Bend Test													
3/8	3/8" Dia Bar Bend Test Through 180° is Satisfactory													

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 NESPAK

China – Pakistan Economic Corridor (CPEC), Western Route Hakla (on M1) to D.I. Khan Motorway – Rehmani Khel to Kot Belian Package IIB(Minir Industries)(M/s Sardar Muhammad Ashraf)

Reference # CED/TFL **33833** (Dr. Waseem Abbas)

Reference of the request letter # RE/NESPAK/P-2B/CPEC-WR/919

Dated: 16-09-2019

Dated: 30-08-2019

Tension Test Report (Page - 1/1)

Date of Test 17-09-2019

Gauge length -----

Description Fence Wire Tensile Test as per AASHTO-M-181

Sr. No.	Diameter of Wire	Breaking	g Load	Remarks
	(mm)	(kg)	(kN)	
1	3.00	280	2.75	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
	Only	One Sample for T	Γest	

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,
Project Manager
Gattwala Commercial Hub
Construction of Gattwala Commercial Hub, Faisalabad

Reference # CED/TFL **33834-843** (Dr. Waseem Abbas)

Reference of the request letter # G.C.H/MT-02

Dated: 16-09-2019

Dated: 16-09-2019

Tension Test Report (Page -1/1)

Date of Test 17-09-2019 Gauge length 8 inches

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

Sr. No.	Weight		neter/ ze	Area (in²)		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	4.142	10	1.245	1.27	1.218	39800	52800	69100	72050	91700	95600	1.40	17.5	
-	4.102	10	1.239	1.27	1.206	40800	55000	70900	74590	95500	100600	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	`
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Note: only two samples for tensile and one sample for bend test								test	1			
	Bend Test													
#10	#10 Bar Bend Test Through 180° is Satisfactory													

I/C Testing Laboratoires UET Lahore, Pakistan.

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To, Acting Project Director Air University Multan Campus Construction of of Boys Hostel I (Ittefaq Steel)

Reference # CED/TFL **33836** (Dr. Waseem Abbas)

Reference of the request letter # MUX/AUMC/BH1/2019/002

Dated: 16-09-2019

Dated: 03-09-2019

Tension Test Report (Page -1/1)

Date of Test 17-09-2019 Gauge length 8 inches

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

Sr. No.	Weight	Diam si:	neter/ ze		Area (in²)		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	0.369	3	0.372	0.11	0.109	2800	4100	56200	56880	82200	83300	1.30	16.3	40
2	0.370	3	0.372	0.11	0.109	2700	4100	54100	54780	82200	83200	1.30	16.3	40
3	0.374	3	0.374	0.11	0.110	3200	4900	64200	64150	98200	98300	1.30	16.3	60
4	0.379	3	0.376	0.11	0.111	3200	4900	64200	63360	98200	97100	1.20	15.0	00
-	•	•	•	•	-	•	•	•	-	-	•	-	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.

Note:

#3 Bar Bend Test Through 180° is Satisfactory

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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 Kennel Hospital Sector-E (Extn) DHA Ph-6)(M/s Fauz Engrs)

Reference # CED/TFL **33840** (Dr. Waseem Abbas) Dated: 17-09-2019 Reference of the request letter # 408/241/E/Lab/694 Dated: 16-09-2019

Tension Test Report (Page -1/1)

Date of Test 17-09-2019 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	0.383	3	0.379	0.11	0.113	3400	5100	68200	66600	102200	99900	1.20	15.0	eel
2	0.378	3	0.376	0.11	0.111	3300	5000	66200	65510	100200	99300	1.10	13.8	City Steel
-	-	-	•	-	-	-	-	-	-	-	-	-	-	Ci
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			N	ote: on	ly two s	amples f	or tensile	and one	sample f	or bend t	test			
	Bend Test													
#3	#3 Bar Bend Test Through 180° is Satisfactory													

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

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