

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

To, Resident Engineer-I NESPAK, Lahore

Installation of Height Restriction Gantries and Road Signage at Canal Bank Road from Doctor's Hospital to Mughalpura Underpass, Lahore

Reference # CED/TFL **32598** (Dr.Wasim Abbas)

Reference of the request letter # 3772/RSC/103/MWA/04/25

Dated: 07-02-2019

Dated: 07-01-2019

Weight &Size Test Report (Page – 1/2)

Date of Test 22-01-2019

Gauge length -----

Description Anlge Iron Weight and Size Test

Sr. No.	Designation	Weight	Length	Weight per Unit Length	L-1	L-2	Thickness	Remark
	(mm)	(g)	(cm)	(kg/m)	(mm)	(mm)	(mm)	
1	50x50x5	3690	86.5	4.27	51.30	50.40	5.15	
-	-	-	-	-	-	-		
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	
			Only One	e Sample f	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
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To, Resident Engineer-I NESPAK, Lahore

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Reference # CED/TFL **32598** (Dr.Wasim Abbas)

Reference of the request letter # 3772/RSC/103/MWA/04/25

Dated: 07-02-2019

Dated: 07-01-2019

Weight &Size Test Report (Page – 2/2)

Date of Test 22-01-2019

Gauge length ------

Description Tee Iron Weight and Size Test

Sr. No.	Designation	Weight	Length	Weight per Unit Length	Remark
	(mm)	(g)	(cm)	(kg/m)	
1	40x40x5	2670	76.8	3.48	
-	-	-	-	-	
-	-	-	-	-	
-	•	-	•	-	
-	•	-	•	-	
-	-	-	-	-	
-	-	-	-	-	
-	-	-	-	-	
-	-	-	-	-	
	Only O	ne Sample	for Test		

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

To, Engineer's Representative NESPAK

Construction of Pakistan Kidney & Liver Institute and Research Center, Lahore Hospital Package C-1, Phase -I

Reference # CED/TFL **32650** (Engr. Rehan Ashraf) Dated: 18-02-2019 Reference of the request letter # 3836/13/A/10/C-1-MEP-HVAC-MTR-25 Dated: 15-02-2019

Tension Test Report (Page - 1/2)

Date of Test 22-02-2019 Gauge length 2 inches

Description Seamless 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	2 1/2	29.30x4.80	140.64	5600	7100	390.61	495.24	0.50	25.00	
2	2 1/2	28.90x4.90	141.61	6100	7400	422.58	512.63	0.45	22.50	
3	6	29.00x7.40	214.60	6500	9700	297.13	443.42	0.40	20.00	
4	6	28.80x7.30	210.24	6600	9900	307.96	461.94	0.50	25.00	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	•	-	-	
	I		Only Fo	ur Sample	for Tensil	le Test		T		
				Bend '	Test					

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To, Engineer's Representative NESPAK

Construction of Pakistan Kidney & Liver Institute and Research Center, Lahore Hospital Package C-1, Phase - I

Reference # CED/TFL **32650** (Engr. Rehan Ashraf) Dated: 18-02-2019 Reference of the request letter # 3836/13/A/10/C-1-MEP-HVAC-MTR-25 Dated: 15-02-2019

Tension Test Report (Page - 2/2)

Date of Test 22-02-2019 Gauge length 2 inches

Description Carbon Steel Pipe Welded Tensile Test

Sr. No.		ch)	(mm) Size of Strip	X Section Area (mm ²)	Breaking (5) Load	Ultimate Stress	(doni)	% Elongation	Remarks	Welder Name
1			22.50x7.30	164.25	5500				Failure at weld portion	Welder
2	Pipe	6	22.30x7.10	158.33	6200				Failure at weld portion	No. 1
3	D'		22.90x7.20	164.88	5000				Failure at weld portion	Welder
4	Pipe	6	22.40x7.20	161.28	6500				Failure at weld portion	No. 2
-	_	_	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
			1	Only	four san	ples for t	ensile tes	st		
					Be	end Test				

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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 AAA – ACC – TurkPak Jv

Detailed Design and Construction Supervision of Improvement/ Widening of Thokar Niaz Baig – Hudiyara Drain Section of N-5 (FF Steel)

Reference # CED/TFL **32663** (Dr. Rizwan Azam) Dated: 20-02-2019 Reference of the request letter # THDP/RE/01/225 Dated: 18-02-2019

Tension Test Report (Page -1/1)

Date of Test 22-02-2019 Gauge length 8 inches

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

Sr. No.	Weight	Si	neter/ ze m)		rea n²)	Yield load	Breaking Load		Stress si)	Ultimate Stress (psi)		Elongation	% Elongation	Remarks
S	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	R
1	0.425	10	10.13	0.11	0.125	4000	5800	80200	70520	116300	102300	1.20	15.0	
2	0.425	10	10.13	0.11	0.125	3900	5600	78200	68770	112300	98800	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	•	-	-	-	-	-	-	-	-	-	
-	-	-	-	1	-	-	-	-	-	-	•	-	•	
-	-	-	-	•	-	-	•	•	•	-	•	-	ı	
			N	ote: on	ly two s	amples f	or tensile	and one	sample f	or bend t	test	<u> </u>		
10		D D	1.5		1 1000:	a Catiafaa	Bend T	'est						

10mm 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, M/S Mian Brothers Precast (Pvt) Ltd 8km- Shahkot Nankana Road, Teh: Shahkot

Reference # CED/TFL **32666** (Dr. Rizwan Azam) Dated: 20-02-2019 Reference of the request letter # MBP/UET/19/0525 Dated: 20-02-2019

Tension Test Report (Page -1/1)

Date of Test 22-02-2019
Gauge length 2 inches

Description Wire Tensile Test

Sr. No.	Weight		neter/ ize	Aı (m	rea m²)	Yield load	Breaking Load	Yield Stress (MPa)	Ultimate Stress (MPa)	Elongation	% Elongation	Remarks
	(kg/m)	Nominal (mm)	Actual (mm)	Nominal	Actual	(kg)	(kg)	Actual	Actual	(inch)	0%	1
1	0.154	5	5.00		19.7	900	1100	449	549	0.2	10.0	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	
					Note: o	nly one sa	mple for	tensile te	st			
							1.00					
						Bei	nd Test					

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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

Zeeruk International (Pvt) Ltd

Construction of Lahore Eastern Bypass Package – from Lagore Ring Road to Kala Khatai Road Including Bridge over River Ravi and Lakhudher Interchange

Reference # CED/TFL **32668** (Dr. M Riza Riazmina) Dated: 20-02-2019 Reference of the request letter # ZI/LEBP/RE/2019/211 Dated: 20-02-2019

Tension Test Report (Page -1/1)

Date of Test 22-02-2019

Gauge length -----

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

Sr. No.	Diameter Single Wire (mm)	Breaking Load (kN)	Remarks
1	3.20	6.26	Fence Wire
2	3.20	6.36	Fence Wire
3	3.40	7.98	Tension Wire
4	3.40	7.74	Tension Wire
-	-	-	-
-	-	-	-
-	-	-	-
_	-	-	
	Only Four Samp	les for Test	

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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
Al-Imam Enterprises (Pvt) Ltd
Establishment of Centre of Excellence Tandlianwala District Faisalabad (FF Steel)

Reference # CED/TFL **32672** (Dr. Rizwan Azam) Dated: 20-02-2019 Reference of the request letter # RE/FDA/CETW/02/19/64 Dated: 13-02-2019

Tension Test Report (Page -1/1)

Date of Test 22-02-2019 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
<i>S</i> ₂	(1J/sqI)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	Э%	R
1	0.404	3	0.389	0.11	0.119	3600	4900	72200	66800	98200	91000	1.40	17.5	
2	0.388	3	0.381	0.11	0.114	3600	4800	72200	69560	96200	92800	1.40	17.5	
-	•	•	•	1	-	-	-	-	-	-	-	-	1	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			N	ote: on	ly two s	amples f	or tensile	and one	sample f	or bend	test			
							Bend T	est est						
#3	Bar Ben	d Test	Γhrough	180° is	s Satisfa	ctory	_	_						

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, Construction Manager CPM Pvt Limited

Construction of Gabion Walls and Stone Pitching at Pearl Continental Hotel Mirpur (A.K)

Reference # CED/TFL **32673** (Dr. M Rizwan Riaz) Dated: 21-02-2019 Reference of the request letter # PCH/MP/AK/CM/008 Dated: 20-02-2019

Tension Test Report (Page - 1/1)

Date of Test 22-02-2019 Gauge length 2 inches

Description Steel Mesh Wire Tensile Test

Sr. No.	Designation)	Diameter / size	Area	Breaking Load	Ultimate Stress	Elongation	% Elongation	Marks
	(Gau	ge)	(cm)	(cm ²)	(kg)	(kg/cm ²)	(inch)	%	
1	Dody Wine	11	0.250	0.049	370	7537.58	0.3	15	
2	Body Wire	11	0.250	0.049	340	6926.42	0.3	15	
3	Selvedge or	9	0.300	0.071	460	6507.67	0.3	15	
4	Perimeter Wire	9	0.300	0.071	460	6507.67	0.3	15	
5	Typing and	13	0.195	0.030	160	5357.48	0.4	20	
6	Connecting Wire	13	0.195	0.030	130	4352.96	0.4	20	

Only Six Sample for Tensile Test

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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 Haris & Company

Lahore

(PMCL (Jazz) Site ID: DSK3493)(Kamran Steel)

Reference # CED/TFL **32675** (Dr. Rizwan Azam)

Reference of the request letter # Nil

Dated: 21-02-2019

Dated: 20-02-2019

Tension Test Report (Page -1/1)

Date of Test 22-02-2019 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)		Ultimate Stress (psi)		% Elongation	Remarks
S	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	3 %	Re
1	0.403	10	9.86	0.11	0.118	3900	5200	78200	72560	104200	96800	1.30	16.3	
-	-	1	-	1	-	-	-	-	-	-	1	-	1	
-	-	-	-	•	-	-	-	-	-	-	•	-	•	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	•	-	•	-	-	-	-	-	-	•	1	•	
			N	ote: on	ly one s	sample fo	r tensile	and one	sample f	or bend t	est			
							Bend T	'est						
10r	nm Dia	Bar Bei	nd Test	Throug	h 180° i	s Satisfac	ctory							

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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
National Technical Services
Raised of Bpoundary Wall at Machike Shell Terminal

Reference # CED/TFL **32676** (Dr. Rizwan Azam)

Reference of the request letter # Nil

Dated: 21-02-2019

Dated: 20-02-2019

Tension Test Report (Page -1/1)

Date of Test 22-02-2019 Gauge length 8 inches

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

Sr. No.	Weight	Si	neter/ ze ch)		rea 1 ²)	Yield load	Breaking Load		Stress si)		Ultimate Stress (psi)		% Elongation	Remarks
S	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	∃%	Re
1	0.374	3/8	0.374	0.11	0.110	3400	4800	68200	68200	96200	96300	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	•	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			N	ote: on	ly one s	sample fo	r tensile	and one	sample f	or bend t	est	ı		1
							D 15	<u> </u>						<u> </u>
3/8	" Dia Ba	ır Bend	Test Th	nrough	180° is \$	Satisfacto	Bend T	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 Ali Hajveri Trades Lahore

Reference # CED/TFL **32677** (Engr. Rehan Ashraf)

Reference of the request letter # AHT/MAN/001

Dated: 21-02-2019

Dated: 21-02-2019

Tension Test Report (Page – 1/3)

Date of Test 22-02-2019

Gauge length -----

Description Barbed Wire Tensile Test

Sr. No.	Diameter Single Wire (mm)	Breaking Load (kN)	Remarks
1	2.80	2.51	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	•	
-	-		
	Only One Samp	le for Test	

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To, M/S Ali Hajveri Trades Lahore

Reference # CED/TFL **32677** (Engr. Rehan Ashraf)

Reference of the request letter # AHT/MAN/001

Dated: 21-02-2019

Dated: 21-02-2019

Size Test Report (Page – 2/3) Date of Test 22-02-2019

Gauge length -----

Description Barbed Wire Size Test

Sr. No.	Designation	Thickness (mm)	Remarks			
1	Barbed Wire	2.80				
2	Barbed Wire Node	2.00				
-	-	-				
-	-	-				
-	-	-				
-	-	-				
-	-	-				
-	-	-				
Only Two Samples for Test						

I/C Testing Laboratoires UET Lahore, Pakistan.

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To, M/S Ali Hajveri Trades Lahore

Reference # CED/TFL **32677** (Engr. Rehan Ashraf)

Reference of the request letter # AHT/MAN/001

Dated: 21-02-2019

Dated: 21-02-2019

Size Test Report (Page – 3/3) Date of Test 22-02-2019

Gauge length -----

Description Steel Post Size Test

Sr. No.	Designation	Length	Width	L-1	L-2	Thickness	Remarks
		(cm)	(mm)	(mm)	(mm)	(mm)	
1	Steel Post	190.30	50.60	50.30	50.40	3.10	
-	-	-	-	-	-	-	
-	-	-	-	-	-	1	
-	-	-	-	-	-	-	
-	-	-	-	-	-	-	
-	-	-	-	-	-	-	
-	-	-	-	-	-	-	
-	-	-	-	-	-	-	

Only One Samples for 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,
Construction Manager
Sinosteel Equipment & Engineering Co. Ltd
500kV Transmission Line 3rd Circuit Jamshoro-Moro-Dadu to Rahim Yar Khan

Reference # CED/TFL **32680** (Dr. M Riza Riaz)

Reference of the request letter # Nil

Dated: 22-02-2019

Dated: 20-02-2019

Tension Test Report (Page – 1/1)

Date of Test 22-02-2019

Gauge length -----

Description Barbed Wire (Single Wire) Tensile Test

Sr. No.	Diameter	Breaking Load	Remarks			
	(mm)	(N)				
1	2.40	2220	S-1			
2	2.50	2680	S-2			
3	2.70	5250	S-3			
-	-	-				
-	-	-				
-	-	-				
-	-	-				
-	-	-				
Only Three Samples for Test						

I/C Testing Laboratoires UET Lahore, Pakistan.

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