

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

To. Material Engineer Defence Housing Authority Multan Construction of Cosmos Monuments (M/s Pillar & Sons)

Reference # CED/TFL **1846** (Dr. M Rizwan Riaz) Dated: 26-08-2022 Reference of the request letter # 701/92/Planning/DHA Dated: 25-08-2022

Tension Test Report (Page - 1/2)

Date of Test 06-09-2022 Gauge length 2 inches

Description MS Pipe Steel Strip Tensile and Bend Test as per ASTM A 36

Sr. No.	Designation		Size of Strip	X Section Area	Yield load	Breaking Load	Yield Stress	Ultimate Stress	Elongation	% Elongation	Remarks
	(mr	n)	(mm)	(mm ²)	(kg)	(kg)	(MPa)	(MPa)	(in)	%	
1	MS Pipe	38x38x4	15.00x4.50	67.50	1800	3000	262	436	0.20	10.00	
2	MS Pipe	38x38x4	15.00x4.40	66.00	2000	3000	297	446	0.30	15.00	
3	MS Pipe	87x87x6	26.10x6.10	159.21	5000	7300	308	450	0.50	25.00	
4	MS Pipe	87x87x6	26.10x6.20	161.82	5100	7300	309	443	0.50	25.00	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
		Only	Four Sample	s for Tens	ile and T	wo Samp	les for Bo	end Test		1	
				R	 end Test						

Strip Taken from MS Pipe 38x38x4mm Bend Test Through 180° is Satisfactory

Strip Taken from MS Pipe 87x87x6mm 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.
- Sealed sample / Unsealed sample / Marked sample/Signed Samples

NERWOOD STATE OF THE PARTY OF T

STRUCTURAL ENGINEERING DIVISION

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

To,
Material Engineer
Defence Housing Authority Multan
Construction of Cosmos Monuments (M/s Pillar & Sons)

Reference # CED/TFL 1846 (Dr. M Rizwan Riaz)

Reference of the request letter # 701/92/Planning/DHA

Dated: 26-08-2022

Dated: 25-08-2022

Weight & Size Test Report (Page – 2/2)

Date of Test 06-092022

Description MS Pipe Weight and Size Test

Sr.	Designation		Weight	Length	Weight per Unit Length		iter ension	Thickness	Remark
No.	Desi		*	Γ	Weigh L	X	Y	T	Ren
	(mı	n)	(g)	(cm)	(kg/m)	(mm)	(mm)	(mm)	
1	MS Pipe	38x38x4	1903	45.7	4.16	38.5	38.5	4.20	
2	MS Pipe	87x87x6	6994	45.7	15.30	88.30	87.10	5.90	
-	-		-	-	-		-	-	
-	-		-	-	-		-	-	
-	-		ı	-	-		-	-	
-	-		-	-	-		-	-	
-	-		-	-	-		-	-	
-	-		-	-	-		-	-	
			On	ly Two Sa	mples 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,
Director Project
Innovative (R) Construction Company
Friday Food Faisalabad

Reference # CED/TFL 1872 (Dr. M Rizwan Riaz)

Reference of the request letter # ICL/NF/FFF/01/22

Dated: 01-09-2022

Dated: 01-09-2022

Tension Test Report (Page -1/1)

Date of Test 06-09-2022 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	Nominal Actual		Actual	(inch)	% E	R
1	0.375	3/8	0.374	0.11	0.110	4100	5000	82200	82060	100200	100100	0.75	9.4	
2	0.361	3/8	0.368	0.11	0.106	3800	4900	76200	78850	98200	101700	0.80	10.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	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	rough	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
- 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 Shujabad

(Construction of Building for Govt, Girls High School at Kotla Tolay Khan)

Reference # CED/TFL <u>1873 (Dr. M Rizwan Riaz)</u> Dated: 01-09-2022 Reference of the request letter # 1130/SJD Dated: 03-06-2022

Tension Test Report (Page -1/1)

Date of Test 06-09-2022 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)	% E	Re
1	0.375	3/8	0.375	0.11	0.110	3600	4400	72200	71980	88200	88000	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	1	-	ı	-	ı	-	-	-	-	-	-	ı	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			N	ote: on	ly one s	sample fo	r tensile	and one	sample fo	or bend t	est			
							Bend T	est						
3/8	" Dia Ba	ır 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,
District Controller of Stores
P. R. Carriage Factory
Islamabad

Reference # CED/TFL 1874 (Dr. M Rizwan Riaz)

Reference of the request letter # 855-D/INSP/CF

Dated: 01-09-2022

Dated: 31-08-2022

Tension Test Report (Page – 1/1)

Date of Test 06-09-2022 Gauge length 2 inches

Description Sheet Strip Tensile Test as per ASTM A 36

Sr. No.	Designation		(mm) Size of Strip	X Section Area	(kg)	(gay) Breaking Load	(MPa)	Ultimate Stress	(ui) Elongation	% Elongation	Remarks
1	Sheet	24x2	25.30x2.30	58.19	2000	2700	337	455	0.45	22.50	
-	-	-	-	-	-	-	-	-	-	-	
-	1	ı	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	
			Onl	y One San	nple for	Tensile Te	est			1	
				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
- 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

"Provision of Urgently Needed Female Hostel, Facilities at University of Veterinary & Animal Sciences at Ravi Campus, Pattoki

Reference # CED/TFL <u>1875 (Dr. M Rizwan Riaz)</u>
Reference of the request letter # E.E 753

Dated: 01-09-2022

Dated: 20-06-2022

Tension Test Report (Page -1/1)

Date of Test 06-09-2022 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)	% E	R
1	0.380	3/8	0.377	0.11	0.112	3200	4600	64200	63210	92200	90900	1.20	15.0	
2	0.377	3/8	0.376	0.11	0.111	3100	4600	62200	61690	92200	91600	1.30	16.3	
-	-	1	-	-	-	1	-	-	-	-	-	-	-	
-	-	ı	-	-	-	1	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			N	ote: on	ly two s	amples f	or tensile	and one	sample f	or bend	test			
							Bend T	`est						
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
- 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, XEN GE (Army)-II SIK

CA NO. CEA-CZ-21/2022 – Const of 8 x Sldrs Flats 23 FF HQ 8 Div at SLK Cantt

Reference # CED/TFL 1877 (Dr. M Rizwan Riaz)

Reference of the request letter # Nil

Dated: 01-09-2022

Tension Test Report (Page -1/1)

Date of Test 06-09-2022 Gauge length 8 inches

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

Sr. No.	Weight	Si	neter/ ze ch)		rea 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	0.372	3/8	0.373	0.11	0.109	3800	4900	76200	76690	98200	98900	1.10	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		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 \$	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
- 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 Reliance Engineering & Construction Services Lahore (PARCO)

Reference # CED/TFL 1878 (Dr. M Rizwan Riaz)

Reference of the request letter # RECS/Marketing/UET-SF-001

Dated: 01-09-2022

Dated: 01-09-2022

Tension Test Report (Page – 1/1)

Date of Test 06-09-2022 Gauge length 2 inches

Description Scaffolding 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		
	(mm)		(mm)	(mm ²)	(kg)	(kg)	(MPa)	(MPa)	(in)	%			
1	Scaffolding Pipe	48	26.80x4.10	109.88	3500	4500	312	402	0.60	30.00			
-	-	-	-	-	ı	-	-	-	ı	-			
-	-	-	-	-	ı	1	-	-	ı	-			
-	-	-	-	-	1	1	-	-	1	-			
-	-	-	-	-	ı	ı	-	-	ı	-			
-	-	-	-	-	ı	ı	-	-	ı	-	ı		
			Only O	ne Sample	e for Ten	sile Test	ı	1		1			
	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,
Executive Engineer PWD
Highway Division Bhimber

"Upgradation of Jandala Pirgali Road (Part-II) Length 7.64 km, District Bhimber"

Reference # CED/TFL 1881 (Dr. M Rizwan Riaz)

Reference of the request letter # 1588 Dated: 28-08-2022

Tension Test Report (Page -1/1)

Date of Test 06-09-2022 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)		e Stress si)	Elongation	% Elongation	Remarks
S	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	R
1	0.385	10	9.65	0.12	0.113	2900	4400	53278	56430	80835	85700	1.70	21.3	
2	0.367	10	9.41	0.12	0.108	3100	4300	56952	63410	78998	88000	1.30	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			Note: only two samples for tensile and one sample for bend test											
							Bend T	est est						
10r	nm Dia	Bar Bei	nd Test	Throug	h 180° i	s Satisfac	ctory							

I/C Testing Laboratoires UET Lahore, Pakistan.

Dated: 02-09-2022

- 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, Executive Engineer PWD Highway Division Bhimber

"Construction of RCC Bridge at Sallar Nallah, Span 180 Meter. I/C Approaches 1.1 km and Panjeri – Kalri Kassguma Road, Length 1.9 km District Bhimber"

Reference # CED/TFL 1882 (Dr. Usman Akmal)

Reference of the request letter # 1585

Tension Test Report (Page - 1/2)

Date of Test 06-09-2022 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.	clause	% Elongation	Remarks/ Coil No.
	(mm)	(kg/km)	(kg/km)	(kg)	(kN)	(kg)	(kN)	%	Rema
1	12.70 (1/2")	775.0	780.0	17200	168.73	20000	196.20	>3.50	xx
-	12.70 (1/2")	775.0	781.0	17200	168.73	20000	196.20	>3.50	xx
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Only two samples for Test

I/C Testing Laboratoires UET Lahore, Pakistan.

Dated: 02-09-2022

Dated: 28-08-2022

- 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, Executive Engineer PWD Highway Division Bhimber

"Upgradation of Jandala Pirgali Road (Part-I) Length 09 km District Bhimber" (Construction of RCC Bridge 30 mtr Span Nibla Nullah)

Reference # CED/TFL <u>1882 (Dr. Usman Akmal)</u>
Reference of the request letter # 1586

Tension Test Report (Page - 2/2)

Date of Test 06-09-2022 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	12.70 (1/2")	775.0	795.0	17100	167.75	19400	190.31	>3.50	xx
-	12.70 (1/2")	775.0	786.0	17100	167.75	18800	184.43	>3.50	xx
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

Only two samples for Test

I/C Testing Laboratoires UET Lahore, Pakistan.

Dated: 02-09-2022

Dated: 28-08-2022

- 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,
Chief Engineer
State Life Housing Society
Construction of Over Head Water Tank Block "J"

Reference # CED/TFL 1884 (Dr. M Rizwan Riaz)

Reference of the request letter # Nil

Dated: 02-09-2022

Tension Test Report (Page -1/1)

Date of Test 06-09-2022 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
	(lbs/ft)	3 Nominal (#) Actual		Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	R
1	0.374	3	0.374	0.11	0.110	3600	4700	72200	72150	94200	94200	1.40	17.5	
2	0.380	3	0.377	0.11	0.112	3700	4800	74200	73080	96200	94900	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Note: only two samples for tensile and one sample for 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
- 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, Deputy Manager Power China SEPCO1

Design, Manufacturing, Supply, Installation Testing and Commission of 220kV Mirpur Khas Substation and Extension at Hala Road Substation

Reference # CED/TFL **1885** (Dr. Usman Akmal) Dated: 02-09-2022 Reference of the request letter # ADB-200/2018/304 Dated: 02-09-2022

Tension Test Report (Page -1/1)

Date of Test 06-09-2022 Gauge length 8 inches

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

Sr. No.	Weight	Si	neter/ ze um)		rea 1 ²)	Yield load	Breaking Load		Stress si)		te Stress si)	Elongation	% Elongation	Remarks
8	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	I %	R
1	0.421	10	10.08	0.12	0.124	3700	4500	67975	65890	82673	80200	1.20	15.0	
2	0.432	10	10.21	0.12	0.127	3700	4700	67975	64200	86347	81600	1.60	20.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	1	ı	-	ı	-	-	-	ı	-	-	-	-	1	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			No	ote: on	ly two s	amples f	or tensile	and one	sample f	or bend	test			
							Bend T	est						
10r	nm Dia	Bar Bei	nd Test	Throug	h 180° i	s Satisfac	ctory							

Witness by Sohaib Ali (Sub Engineer, NESPAK)

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, Resident Engineer NESPAK

Laying of RCC Sewer in Unserved Areas UC No. 69, 70, 74, 75, 76, 77, 78, 79, 80, 81, 82, 90, & 95 of WASA Multan

Reference # CED/TFL <u>1886 (Dr. M Rizwan Riaz)</u> Dated: 02-09-2022

Reference of the request letter # 4362/11/IA/01/186 Dated: 24-08-2022

Tension Test Report (Page -1/1)

Date of Test 06-09-2022 Gauge length 8 inches

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

Sr. No.	Weight	Si	neter/ ze ch)		rea 1 ²)	Yield load	Breaking Load		Stress si)		ee Stress si)	Elongation	Elongation	Remarks
S	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	Re
1	0.227	1/4	0.291		0.067	1700	2400		56150		79300	1.40	17.5	
2	0.225	1/4	0.290		0.066	1800	2300		59960		76700	1.50	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	1	
-	-	ı	-	-	-	1	-	-	-	-	-	-	1	
-	-	ı	-	-	-	1	-	-	-	-	-	-	1	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Note: only two samp					amples fo	r tensile	and two	samples	for bend	test			
1/4	"D' D	D 1	T. 4 T.	1	1000: 0	Satisfacto	Bend T	est						

1/4" Dia Bar Bend Test Through 180° is Satisfactory

1/4" 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 NESPAK

Widening Improvement of Road from Lodhran to Jalal Pur Road Connection KLM via Bahadur Pur Length 39.80 km in District Lodhran

Reference # CED/TFL 1887 (Dr. M Rizwan Riaz)

Reference of the request letter # 4108/CRE/MZ/L-J/409

Dated: 02-09-2022

Dated: 30-08-2022

Tension Test Report (Page -1/1)

Date of Test 06-09-2022 Gauge length 8 inches

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

Sr. No.	Weight				rea n²)	Yield load	Breaking Load		Stress si)		te Stress si)	Elongation	% Elongation	Remarks
S	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	. 2		Actual	Nominal	Actual	(inch)	% E	Re	
1	0.370	3	0.372	0.11	0.109	3000	4600	60200	60880	92200	93400	1.40	17.5	e s
2	0.372	3	0.373	0.11 0.109 3000 4600 60200 60540 92200 92900				1.50	18.8	ANS Steel				
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			No	ote: on	ly two s	amples f	or tensile	and one	sample f	or bend	test	1		
#3	Bend Test Bend Test Bend Test Bend Test													
#3	Bar Ben	u rest	ı nrougn	1 180° 18	s Sausia	iciory								

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

Ref: <u>CED/TFL/09/1888</u> Dated: <u>05-09-2022</u>

Date of Test: 06-09-2022

To,

GD Housing General Headquarters

AG's Branch (Housing Dte)

Pile Foundation Design - Apartment Block No. 10 (2B+G+18) at Sec-D, Ask-XI, Lhr

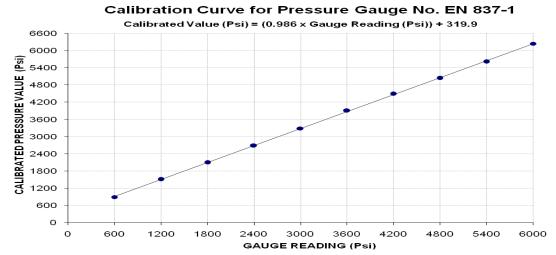
Subject: - CALIBRATION OF PRESSURE GAUGE (MARK: TFL/08/1888) (Page # 1/2)

Reference to your Letter No. 30/27/HD/D/Sec-D/Ask-XI/Lhr/Pile, Dated: 01/09/2022 on the subject cited above. One Pressure Gauge No. EN 837-1 as received by us has been calibrated. The results are tabulated as under:

Total Range : Zero - 15000 (Psi) Calibrated Range : Zero - 6000 (Psi)

Pressure Gauge Reading (Psi)	600	1200	1800	2400	3000	3600	4200	4800	5400	6000
Calibrated Load (kg)	12400	21000	29200	37300	45700	54300	62500	70100	78100	86900
Calibrated Pressure (Psi)	891	1509	2098	2679	3283	3901	4490	5036	5610	6242

The Ram Area for Calibration = 198 cm²



Ref: CED/TFL/09/1888 Dated: 05-09-2022

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

Date of Test: 06-09-2022

To,

GD Housing

General Headquarters

AG's Branch (Housing Dte)

Pile Foundation Design - Apartment Block No. 10 (2B+G+18) at Sec-D, Ask-XI,

Lhr

Subject: - CALIBRATION OF DIAL GAUGES (MARK: TFL/09/1888) (Page # 2/2)

Reference to your Letter No. 30/27/HD/D/Sec-D/Ask-XI/Lhr/Pile, Dated: 01/09/2022 on the subject cited above. Three Dial Gauges as received by us have been calibrated on standard calibration device. The results are tabulated as under.

Total Range : Zero - 50 (mm) Calibrated Range : Zero - 50 (mm)

Standard	Di	al Gauge Readin	igs
Reading	Dial Gauge No. I (510799)	Dial Gauge No. II (00305656)	Dial Gauge No. III (2115972)
400	396	398	399
800	794	799	795
1200	1192	1198	1197
1600	1592	1598	1595
2000	1996	1999	1996
2400	2397	2399	2395
2800	2797	2799	2795
3200	3197	3199	3195
3600	3597	3600	3596
4000	3997	3999	3995
4400	4399	4399	4396
4800	4799	4799	4795
5000	4999	4999	4994

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
Usman Ibrahim Construction
Construction of High-Q Mall at 3-A, Gulberg II, Lahore

Reference # CED/TFL 1890 (Dr. M Rizwan Riaz)

Reference of the request letter # QC/HQ/CIVIL/19

Dated: 05-09-2022

Tension Test Report (Page -1/1)

Date of Test 06-09-2022 Gauge length 8 inches

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

Sr. No.	Weight	Si	neter/ ize um)		rea n²)	Yield load	Breaking Load		d Stress Ultimat (psi) (ps		te Stress si)	Elongation	Elongation	Remarks
S	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal Nominal Actual		(inch)	% E	R
1	0.393	10	9.74	0.12	0.116	3400	5200	62464	64880	95533	99300	1.20	15.0	
2	0.405	10	9.89	0.12 0.119 3400 5200 62464 62980 95533 96400					1.20	15.0				
-	-	-	-	-	-	-	_	-	-	-	-	-	-	
-	-	-	-	-	-	-	_	-	-	-	-	-	-	
-	-	-	-	-	-	-	_	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			N	ote: on	ly two s	amples f	or tensile	and one	sample f	or bend	test			
							Bend T	est						
101	nm Dia 1	nm 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,
Executive Engineer
Qadirabad Balloki Link Canal Division
Farooqabad

(Construction of New QB Link Office Complex Residences and Boundary Wall at Farooqabad)

Reference # CED/TFL 1891 (Dr. M Rizwan Riaz)

Reference of the request letter # 806/7-G-I

Dated: 05-09-2022

Tension Test Report (Page -1/1)

Date of Test 06-09-2022 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	0.390	3	0.382	0.11	0.115	3400	4900	68200	65440	98200	94400	1.60	20.0	e
2	0.381	3	0.378	0.11 0.112 3300 4600 66200 64930 92200 90500					1.60	20.0	Prime Supreme			
-	-	-	-	-	-	-	_	-	-	-	-	-	-	P Su
-	-	-	-	-	-	-	_	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	_	-	-	-	-	-	-	
		Ī	No	ote: on	ly two s	amples f	or tensile	and one	sample f	or bend	test	1	ı	
#2	Don Don	d Tost 7	Flamou ~1	. 1000 ::	Caticfa	ataw.	Bend T	est						
#3	Bar Ben	a lest	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 ZEERUK – LOYA – MIHA jv

Development of Islamabad Expressway from Korang to PWD Interchange (km 1+300 to 3+200) including Railway Bridge

Reference # CED/TFL 1892 (Dr. Usman Akmal)

Reference of the request letter # ZI/RE/FWO-RB/22/50

Dated: 05-09-2022

Dated: 18-06-2022

Tension Test Report (Page -1/5)

Date of Test 06-09-2022 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		stre	king ngth e (6.2)	Young's Modulus of Elasticity "E"	% Elongation	Remarks / Coil No.
	(mm)	(kg/km)	(kg/km)	(kg)	(kN)	(kg)	(kN)	GPa	%	Rema
1	12.70 (1/2")	775.0	784.0	17500	171.68	19800	194.24	199	>3.50	XX
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	1	
_	-	-	-	-	-	-	-	-	-	

Only one sample for Test

Note:

- 1. Modulus of Elasticity is based on nominal steel area of the steel strand vide clause 13.3 of ASTM A416a
- 2. Load versus percentage strain graphs are attached

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
ZEERUK – LOYA – MIHA jv
Development of Islamabad Expressway from Korang to PWD Interchange (km 1+300 to 3+200) including Railway Bridge

Reference # CED/TFL 1892 (Dr. Usman Akmal)

Reference of the request letter # ZI/RE/FWO-RB/22/50

Dated: 05-09-2022

Dated: 18-06-2022

Graph (Page – 2/5)

Stress Strain Relation -- Specimen No. W 1 2000 1800 1600 1400 Stress (Mpa) 1200 1000 800 600 400 200 0 0 0.2 0.4 0.6 8.0 Strain (%)

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

CONSERING CONSERING

STRUCTURAL ENGINEERING DIVISION

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

To,
Resident Engineer
ZEERUK – LOYA – MIHA jv
Construction of Korang Bridge & About 1.5 km Approach Road on Islamabad Highway

Reference # CED/TFL 1892 (Dr. Usman Akmal)

Reference of the request letter # ZI/RE/KB/22/177

Dated: 05-09-2022

Dated: 18-06-2022

Tension Test Report (Page - 3/5)

Date of Test 06-09-2022 Gauge length 640 mm

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

Sr. No.	Nominal Diameter	Nominal Weight	Measured weight		trength e (6.3)	Breal strength (6.	clause	Young's Modulus of Elasticity	% Elongation	Remarks / Coil No.
	(mm)	(kg/km)	(kg/km)	(kg)	(kN)	(kg)	(kN)	E, GPa	%	Rema
1	15.24 (0.6")	1102.0	1109.0	25300	248.19	27000	264.87	199	>3.50	XX
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	

Only One Sample for Test

Note

- 1. Modulus of Elasticity is based on nominal steel area of the steel strand vide clause 13.3 of ASTM A416a
- 2. Load versus percentage strain graphs are attached

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

ONERING TO SERVICE TO

STRUCTURAL ENGINEERING DIVISION

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

To,
Resident Engineer
ZEERUK – LOYA – MIHA jv
Development of Islamabad Expressway from Korang to PWD Interchange (km 1+300 to 3+200) including Railway Bridge

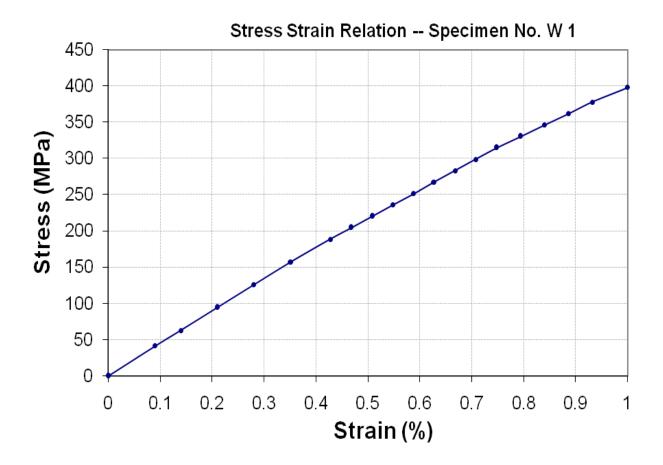
Reference # CED/TFL 1892 (Dr. Usman Akmal)

Reference of the request letter # ZI/RE/FWO-RB/22/50

Dated: 05-09-2022

Dated: 18-06-2022

Graph (Page – 4/5)



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
ZEERUK – LOYA – MIHA jv

Development of Islamabad Expressway from Korang to PWD Interchange (km 1+300 to 3+200) including Railway Bridge

Reference # CED/TFL 1892 (Dr. Usman Akmal)

Reference of the request letter # ZI/RE/FWO-RB/22/50

Dated: 05-09-2022

Dated: 18-06-2022

Description Corrugated Sheath Pipe Size Test

Sr. No.	Designation	External Diameter	Wall Thickness	Remark
		(mm)	(mm)	
1	Corrugated Sheath Pipe	78.60	0.35	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-	-	-	-	
	Only One	Sample for 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, Director Design Matrix GSH Project

Reference # CED/TFL <u>1893 (Dr. M Rizwan Riaz)</u>
Reference of the request letter # Nil

Dated: 05-09-2022 Dated: 05-09-2022

Tension Test Report (Page -1/1)

Date of Test 06-09-2022 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)	% E	R
1	0.364	3	0.369	0.11	0.107	3600	5200	72200	74140	104200	107100	1.10	13.8	JT 761
2	0.369	3	0.372	0.11	0.109	3800	5300	76200	77180	106200	107700	1.10	13.8	JT 6761
3	0.362	3	0.368	0.11	0.106	3600	5000	72200	74510	100200	103500	1.00	12.5	TLC 475
4	0.369	3	0.372	0.11	0.108	3900	5200	78200	79240	104200	105700	1.10	13.8	TI 47
-	-	-	-	-	-	-	_	-	-	_	-	-	-	
-	-	-	-	-	-	-	_	-	-	_	-	-	-	
			No	te: only	y four s	amples fo	or tensile	and two	samples	for bend	test			
							Bend T	est						
#3	#3 Bar Bend Test Through 180° is Satisfactory													
#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
- 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 Al Fazal Engineering Pakistan Lahore (500 kVA Grid Station Faisalabad)(General Electrical)

Reference # CED/TFL 1894 (Dr. Usman Akmal)

Reference of the request letter # ALF-22-02-0012

Dated: 05-09-2022

Dated: 05-09-2022

Tension Test Report (Page – 1/1)

Date of Test 06-09-2022 Gauge length 2 inches

Description Checker Plate & Angle Steel Strip Tensile Test

Sr. No.	Designation		Size of Strip	X Section Area	Yield load	Breaking Load	Yield Stress	Ultimate Stress	Elongation	% Elongation	Remarks
	(mr	n)	(mm)	(mm ²)	(kg)	(kg)	(MPa)	(MPa)	(in)	6	
1	Checker Plate	140x37x3	24.50x2.70	66.15	1700	2300	252	341	0.60	30.00	i
2	Angle	50x50x5	22.20x5.10	113.22	4100	5900	355	511	0.30	15.00	
-		1	-	-	1	-	ı	-	-	-	
-		-	-	-	-	-	-	-	-	-	
-		1	-	-	1	-	1	-	-	_	
-		1	-	-	1	-	1	-	-	-	
-		1	-	-	1	-	1	-	-	-	
-		1	-	-	-	-	1	-	-	_	
			Only Tv	vo Sample	es for Te	nsile Test	<u> </u>		-		
				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, Construction Manager One Liberty Gulberg III, Lahore

Reference # CED/TFL 1897 (Dr. Usman Akmal)

Reference of the request letter # OL/2022/09/01

Dated: 06-09-2022

Tension Test Report (Page -1/1)

Date of Test 06-09-2022 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
	(lbs/ft)	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	
1	0.393	3	0.383	0.11	0.115	3200	4900	64200	61110	98200	93600	1.40	17.5	
2	0.388	3	0.381	0.11	0.114	3100	4900	62200	59950	98200	94800	1.40	17.5	
-	-	-	-	ı	-	-	-	-	-	-	-	-	1	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Note: only two samples for tensile and one sample for bend test														
	Bend Test													
#3	Bar Ben	d Test	Through	180° is	s Satisfa	ctory	Delia 1	CSI						

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