

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

To,
M/S Sun Engineers
Gujranwala
(Rehabilitation and Modernization of Islam Barrage)

Reference # CED/TFL 1728 (Dr. M Rizwan Riaz)

Reference of the request letter # MTC/01

Tension Test Report (Page – 1/1)

Date of Test 02-08-2022

Description Steel Wire Rope Tensile Test

Sr. No.	Nominal Diameter	Measured weight	Breaking Load	Remarks / Coil No.						
	(mm)	(kg/m)	(kg)	Rema						
1	38	6.41	94000							
-	-	-	-							
-	-	-	-							
-	-	-	-							
-	-	-	-							
Only one sample for Test										

I/C Testing Laboratoires UET Lahore, Pakistan.

Dated: 28-07-2022

Dated: 27-07-2022

- 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,
Deputy General Manager Projects
Habib Rafiq Engineering (Pvt.) Limited
Construction of Sky Gardens Tower, Lahore

Reference # CED/TFL <u>1737 (Dr. M Rizwan Riaz)</u>

Reference of the request letter # HRLE/SKG/2022/027

Dated: 29-07-2022

Dated: 29-07-2022

Tension Test Report (Page -1/1)

Date of Test 02-08-2022 Gauge length 8 inches

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

Sr. No.	Weight	Diameter/ Size (mm)		Size		Size		Size		Size		Size		Size		Size			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	4.355	32	32.43	1.25	1.280	41000	64000	72311	70590	112876	110200	1.20	15.0	so el														
2	4.255	32	32.05	1.25	1.251	40000	62600	70547	70500	110406	110400	1.50	18.8	Afco Steel														
-	-	-	-	-	-	-	-	-	-	-	-	-	-															
-	-	-	-	-	-	-	-	-	-	-	-	-	-															
-	-	-	-	-	-	-	-	-	-	-	-	-	-															
-	-	-	-	-	-	-	-	-	-	-	-	-	-															
	Note: only two samples for tensile and one sample for bend test																											
							Bend T	est																				
32r	nm Dia	Bar Bei	nd Test	Throug	h 180° i	s Satisfac	etory																					

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 Engr.
Union Developers Private Limited
Union Livings – Over Head Water Reservoir & Main Gate

Reference # CED/TFL <u>1740 (Dr. M Rizwan Riaz)</u>

Reference of the request letter # Nil

Dated: 01-08-2022

Dated: 29-07-2022

Tension Test Report (Page -1/1)

Date of Test 02-08-2022 Gauge length 8 inches

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

Sr. No.	(lbs/ft)	ıal						Yield Stress (Psi)		Ultimate Stress (Psi)		1) Elongation % Elongation		Remarks
	(Ib	Nominal (#)	Actual (inch)	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	Re
1 (0.377	3	0.375	0.11	0.111	3700	4600	74200	73670	92200	91600	1.00	12.5	Afco Steel
2	0.378	3	0.376	0.11	0.111	4400	5300	88200	87380	106200	105300	0.90	11.3	Af
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	_	-	-	-	-	-	-	
			No	ote: onl	ly two s	amples f	or tensile	and one	sample f	or bend t	test	1		ı
#3 P	or Ron	d Test T	Through	1200 ;	s Satisfa	etory	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

PHE: Sub Division Arifwala

(Provision of Soling Drain & Sewerage Scheme in UC No. 29 (HQ. 59/EB) UC No. 30 (HQ 151/EB), UC. No. 35 (HQ, 13/EB), UC. No. 36 (HQ. 75/EB) & UC. No. 37 (HQ. 69/EB) Tehsil

Arifwala District Pakpattan)

Reference # CED/TFL 1742 (Dr. M Rizwan Riaz)

Reference of the request letter # 266/A

Tension Test Report (Page -1/1)

Date of Test 02-08-2022 Gauge length 8 inches

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

Sr. No.	No. Siz Siz Siz Siz Siz		ize	ze Area		Yield load	Breaking Load	Yield Stress (Psi)		Ultimate Stress (Psi)		Elongation	% Elongation	Remarks
	(lbs/ft)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	Re
1	0.371	3/8	0.373	0.11	0.109	4300	4900	86200	86910	98200	99100	1.20	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	_	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			N	ote: on	ly one s	sample fo	r tensile	and one	sample fo	or bend t	est			
							Bend T	<u>'est</u>						
3/8	3/8" Dia Bar Bend Test Through 180° is Satisfactory													

I/C Testing Laboratoires UET Lahore, Pakistan.

Dated: 01-08-2022

Dated: 04-11-2021

- 1- You can See your reports On Internet in the following web site http://www.uet.edu.pk/faculties/facultiesinfo/civil/index.html?RID=testing_reports
- 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 Ittefaq Building Solutions Pvt. Ltd

Lahore

(Kohinoor Textile Mill Raiwind Road, Lahore (Weaving Unit Extension & Yarn Storage) Including)

Reference # CED/TFL <u>1743 (Dr. M Rizwan Riaz)</u>
Reference of the request letter # IBS/KTML/ST 13
Dated: 01-08-2022

Tension Test Report (Page -1/1)

Date of Test 02-08-2022 Gauge length 8 inches

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

Sr. No.	Weight	Diameter/ Size (mm)		Area (mm²)		Yield load	Breaking Load	Yield Stress (MPa)		Ultimate Stress (MPa)		Elongation	% Elongation	Remarks
S	(kg/m)	Nominal	Actual	Nominal	Actual	(kg)	(kg)	Nominal	Actual	Nominal	Actual	(inch)	% E	Re
1	0.611	10	9.95	79.00	77.81	3700	5200	459	466	646	656	1.4	17.5	
2	0.613	10	9.97	79.00	78.03	3800	5300	472	478	658	666	1.5	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	_	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Note: only two samples for tensile and one sample for bend test													
							Bend T	est						
101	mm Dia	Bar Bei	nd Test	Throug	h 180° i	s Satisfac	etory							

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

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