

Test Performed by: S. Asad Ali Gillani

Muhammad Adnan
Manager
Technofire Pvt Ltd.

Client Reference No.: UET/TFPL/TR/4235-25

Dated: 24-10-2025

SOM Lab Ref: CED/SOM/1985 (Page 1/1)

Dated: 24-10-2025

Test Type: Load Test

Sample Type: Turn Buckle Ratchet Type

Load Test Results

Sr No.	Sample Type	Ultimate Load (kN)	Remarks
1	Turn Buckle Ratchet Type	163.2	Hoop breaks at this load.

Note: Please always confirm the results on web www.uet-civil.edu.pk

Engr Shahzad Khurram Khan, CRE

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Osmani & Compny AIIC, Fsd. (Const Of 2x lift Station and Roads Lane-24 at AIIC Near Sahianwala Interchange)

Client Reference: CRE/AIIC-014/Lab/2102

SOM Lab

Ref: 1983 (Page-1/1)

Dated: 22-10-2025

Dated: 24-10-2025

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Kisan Steel)

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.492	6	0.747	0.44	0.438	13.61	18.09	68210	68530	90690	91110	1.20	8.0	15.0	*
2	1.522	6	0.754	0.44	0.447	15.11	19.08	75720	74540	95650	94150	1.40	8.0	17.5	
3	1.037	5	0.623	0.31	0.305	10.27	13.02	73030	74230	92610	94130	1.40	8.0	17.5	
4	1.037	5	0.623	0.31	0.305	10.11	13.02	71940	73120	92610	94130	1.50	8.0	18.8	
5	0.653	4	0.494	0.20	0.192	6.78	8.84	74750	77870	97460	101520	1.20	8.0	15.0	
6	0.661	4	0.497	0.20	0.194	6.75	8.84	74420	76720	97460	100470	1.10	8.0	13.8	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine Samples Received and Tested
# 5	Sample bend through 180 degrees Satisfactorily without any crack	
# 4	Sample bend through 180 degrees Satisfactorily without any crack	

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Mazhar Abbas

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Planning & Coordination Engr Ittefaq Building Solution Pvt Ltd.(Ghazi Enclave Multan Road)

Client Reference: Nil

SOM Lab

Ref: 1984-1993 (P-1/1)

Dated: 24-08-2025

Dated: 24-10-2025

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Kamran Steel)

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.509	6	0.751	0.44	0.443	15.82	21.27	79300	78760	106640	105910	1.20	8.0	15.0	
2	0.663	4	0.498	0.20	0.195	6.24	9.14	68800	70560	100830	103420	1.10	8.0	13.8	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Four Samples Received and Tested
# 4	Sample bend through 180 degrees Satisfactorily without any crack	

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk