

Al-Harman Enterprises
Lahore.(Zaitoon City)

Test Performed By: Dr. /Engr. Asad Ali Gillani

Client Reference: Nil
SOM Lab Ref: CED/SOM/650 (Page-1/1)

Dated: 27-01-2025
Dated: 27-01-2025

Test: Tension Test

Test Specification: ASTM-F 1554

Sample Type: J-Bolt

Gauge Length: 200 mm

[illegible]

BEND TEST:

--	No Bend test performed	Note:- Only One Sample Received and Tested

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

Tahawar Owais
PM DSG Energy Lahore.(Const Of Office Building at 29-M QIE,Lahore)

Test Performed By:
SOM Lab

Dr. /Engr. Asad Ali Gillani

Client Reference: Nil

Ref: 647 (Page-1/1)

Dated: 27-01-2025

Dated: 27-12-2024

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Hunza 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	2.666	8	0.998	0.79	0.783	23.85	32.95	66590	67190	91980	92800	1.50	8.0	18.8	
2	2.668	8	0.999	0.79	0.784	25.64	34.12	71570	72120	95250	95980	1.60	8.0	20.0	
3	1.486	6	0.746	0.44	0.437	13.37	18.06	67040	67500	90540	91160	1.50	8.0	18.8	
4	1.483	6	0.745	0.44	0.436	13.78	18.32	69080	69720	91820	92660	1.50	8.0	18.8	
5	0.670	4	0.501	0.20	0.197	6.95	8.79	76660	77830	96900	98370	1.30	8.0	16.3	
6	0.672	4	0.501	0.20	0.197	7.29	9.19	80370	81600	101390	102940	1.10	8.0	13.8	
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BEND TEST:

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

Muhammad Farooque
Director (Civil) Mineral Development Project Islamabad.

Test Performed By: Dr. /Engr. Asad Ali Gillani

Client Reference: MDP-C&S-Gen(1)/2025/
Dated: 09-01-2025
Test: Tension Test
Gauge Length: 8 inch

SOM Lab
Ref: 648 (Page-1/1)
Dated: 27-01-2025
Test Specification: ASTM-A-615
Sample Type: Deformed Bar (FF 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	2.618	8	0.990	0.79	0.769	26.37	36.11	73620	75630	100800	103550	1.10	8.0	13.8	
2	1.470	6	0.742	0.44	0.432	14.24	19.34	71380	72700	96930	98720	1.00	8.0	12.5	
3	1.475	6	0.743	0.44	0.433	14.27	19.42	71540	72690	97340	98910	1.10	8.0	13.8	
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BEND TEST:

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

Sub Divisional Officer
Changa Manga Sub Division.(Const Of Bridge at RD 31+800 Of Vahn Distributar)

Test Performed By: Dr. /Engr. Asad Ali Gillani

Client Reference: 400/1-Eg

SOM Lab

Dated: 20-01-2025

Ref: 649 (Page-1/1)

Dated: 27-01-2025

Test: Tension Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar

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	2.660	8	0.998	0.79	0.782	27.08	35.55	75610	76390	99230	100250	1.50	8.0	18.8	
2	1.467	6	0.741	0.44	0.431	15.57	19.85	78020	79650	99480	101560	1.40	8.0	17.5	
3	0.664	4	0.498	0.20	0.195	7.41	9.09	81720	83820	100270	102840	1.00	8.0	12.5	
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BEND TEST:

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

Engr.Rashid

Test Performed By: Dr. /Engr. Irfan Ur Hassan

Site Engineer Hussain Kareemian.(Grammar School Central Park Campus Lahore)

SOM Lab

Client Reference: Nil

Ref: 653-652 (Page-1/1)

Dated: 27-01-2025

Dated: 27-01-2025

Test: Tension Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar

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	1.431	6	0.732	0.44	0.421	11.62	16.31	58250	60880	81750	85440	1.50	8.0	18.8	
2	0.641	4	0.489	0.20	0.188	4.91	7.19	54180	57640	79250	84310	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

Engr.M Waqas Shafqat

MK Engineers & Constructors Pvt Ltd.(75KW On--Grid Solar PV System)

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Client Reference: MKEC/UET/01T

Dated: 27-01-2025

Test: Tension Test & Bend Test

Gauge Length: 8 inch

SOM Lab

Ref: 655-657 (Page-1/1)

Dated: 27-01-2025

Test Specification:

ASTM-A-615

Sample Type:

Deformed Bar

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	0.661	4	0.497	0.20	0.194	6.03	9.33	66550	68610	102860	106040	1.20	8.0	15.0	
2	0.666	4	0.500	0.20	0.196	6.14	9.19	67670	69050	101390	103460	1.30	8.0	16.3	
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Witnessed By:				Nasir Alvi (J.E NESPAK), Ammar Nazar (MK Engrs & Const)											
<u>BEND TEST:</u>															
# 4	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															

