

Engr.Mauz Ali
 PM MA Engineering Services.(ENGRO ENFRASHARE B2S TOWERS)

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

Client Reference: MA/UET/LHR/024
SOM Lab Ref: CED/SOM/1617 (Page-1/1)
Test: Tension Test & Bend Test
Sample Type: Deformed Bar

Dated: 08-05-2025
Dated: 06-08-2024
Test Specification: ASTM-A 615
Gauge Length: 200 mm

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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	2.234	20	19.05	314	285	127.00	177.00	404	446	563	622	32.5	200	16.3	
2	1.533	16	15.77	201	195	100.20	135.00	498	514	671	692	27.5	200	13.8	
3	0.975	12	12.58	113	124	74.00	93.00	654	596	822	749	32.5	200	16.3	
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BEND TEST:

20mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
16mm	Sample bend through 180 degrees Satisfactorily without any crack	
12mm	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

Akhter Jan

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

M.D Construction Co.(Pak Arab Refinery Ltd Faisalabad for the Const of M.P.T Staff Residence)

Client Reference: 01

SOM Lab

Ref: 1611(Page-1/1)

Dated: 06-08-2025

Dated: 06-08-2024

Test: Tension Test & Bend 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	1.024	5	0.619	0.31	0.301	10.24	13.35	72890	75070	95000	97850	1.40	8.0	17.5	
2	0.663	4	0.498	0.20	0.195	6.39	8.46	70480	72290	93300	95690	1.10	8.0	13.8	
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BEND TEST:

# 5	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

Faheem Ahmad, ARE

Test Performed By:

Dr. /Engr.

Ubaid Mughal

MMP (Pvt) Ltd. Pkg -I PCP Daska.(Const of Strom Water Drainage in Daska City)

Client Reference: DSK/CON/1094/SWD/247A/2025

SOM Lab

Ref:

1612(Page-1/2)

Dated: 27-02-2025

Dated:

06-08-2025

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Islamabad Supreme)

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	0.667	4	0.500	0.20	0.196	6.19	8.51	68230	69630	93860	95780	1.10	8.0	13.8	
2	0.675	4	0.502	0.20	0.198	7.10	8.72	78350	79140	96110	97080	0.90	8.0	11.3	
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BEND TEST:

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

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

Faheem Ahmad, ARE

Test Performed By:

Dr. /Engr.

Ubaid Mughal

MMP (Pvt) Ltd. Pkg -I PCP Daska.(Const of Strom Water Drainage in Daska City)

Client Reference: DSK/CON/1094/SWD/273A/2025

SOM Lab

Ref:

1612(Page-2/2)

Dated: 21-05-2025

Dated:

06-08-2025

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Islamabad Supreme)

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	0.679	4	0.505	0.20	0.200	7.41	9.04	81720	81720	99710	99710	1.20	8.0	15.0	
2	0.668	4	0.500	0.20	0.196	7.26	9.68	80040	81670	106790	108970	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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BEND TEST:

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

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

Khalid Bashir

Test Performed By:

Dr. /Engr. Irfan Ul Hassan

Ittefaq Building Solution Pvt Ltd.(ABL Babar Chowk Branch, Faisalabad)

Client Reference: IBS/CGB/ST001

SOM Lab

Ref: 1613 (Page-1/1)

Dated: 06-08-2025

Dated: 06-08-2025

Test: Tension Test & Bend 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	2.617	8	0.990	0.79	0.769	22.34	32.31	62380	64090	90210	92680	1.30	8.0	16.3	
2	2.627	8	0.991	0.79	0.772	22.48	32.08	62750	64220	89560	91650	1.30	8.0	16.3	
3	1.490	6	0.747	0.44	0.438	13.46	17.40	67450	67760	87220	87620	1.50	8.0	18.8	
4	1.494	6	0.748	0.44	0.439	13.46	17.38	67450	67600	87120	87320	1.30	8.0	16.3	
5	0.646	4	0.492	0.20	0.190	5.40	7.65	59580	62710	84310	88750	1.40	8.0	17.5	
6	0.647	4	0.492	0.20	0.190	5.56	7.70	61270	64490	84870	89340	1.40	8.0	17.5	
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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

Subedar Tariq Mehmood
25 Engineer Battalion Kharian.(Const Work at Kharian Cantonment)

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

Client Reference: 607/Project/General

SOM Lab

Ref: 1614 (Page-1/1)

Dated: 05-08-2025

Dated: 06-08-2025

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Def. 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	2.842	8	1.031	0.79	0.835	16.62	25.61	46390	43890	71490	67640	1.60	8.0	20.0	
2	2.634	8	0.993	0.79	0.774	25.18	38.86	70290	71750	108480	110720	1.10	8.0	13.8	
3	2.630	8	0.992	0.79	0.773	16.72	25.56	46670	47700	71350	72920	1.50	8.0	18.8	
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BEND TEST:

--	No Bend test performed	Note:- Only Three Samples Received and Tested

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

Sheikhoo Steel

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Director Projects,Sheikhoo Sugar Mills (Steel Div) Anwar Abad Kot Addu,Muzaffargarh.

Client Reference: Nil

SOM Lab

Ref:

1615 (Page-1/1)

Dated: 03-08-2025

Dated:

06-08-2025

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Sheikhoo 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	2.645	8	0.995	0.79	0.777	25.48	34.37	71150	72340	95960	97570	1.50	8.0	18.8	
2	1.480	6	0.744	0.44	0.435	13.97	19.37	70000	70810	97080	98200	1.30	8.0	16.3	
3	0.655	4	0.494	0.20	0.192	6.78	8.89	74750	77870	98020	102110	1.10	8.0	13.8	
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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

Executive Engineer

Test Performed By:

Dr. /Engr. Asad ali Gillani

Building Div Kasur.(Estb/Revamping of Civil Veterinary Dispensary in Punjab One at CVD Cheena Uttar UC-120)

Client Reference: 6105/D

SOM Lab

Ref: 1616 (Page-1/1)

Dated: 31-07-2025

Dated: 06-08-2025

Test: Tension Test & Bend 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	0.656	4	0.496	0.20	0.193	6.49	9.79	71610	74200	107910	111830	1.30	8.0	16.3	
2	0.656	4	0.496	0.20	0.193	6.39	9.86	70480	73040	108700	112640	1.40	8.0	17.5	
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BEND TEST:

--	No Bend test performed	Note:- Only Two Samples Received and Tested

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

Awais Akram, RE
Nespak Lahore.(Construction of Sports Complex Of Lidher)

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

Client Reference: 3772/103/ADP/LIDHER/AA/04/02

SOM Lab

Ref: 1618 (Page-1/1)

Dated: 24-06-2025

Dated: 06-08-2025

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Mughal 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	0.652	4	0.494	0.20	0.192	6.49	8.18	71610	74590	90150	93910	1.20	8.0	15.0	
2	0.652	4	0.494	0.20	0.192	6.37	8.10	70260	73190	89370	93090	1.10	8.0	13.8	
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BEND TEST:

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

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