

Dr Zafar Nazeer
Muridke.

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

Client Reference: Nil

SOM Lab

Ref: 1732 (Page-1/1)

Dated: 10-02-2023

Dated: 10-02-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar

ASTM-A-615

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	1.393	6	0.722	0.44	0.409	11.03	16.97	55290	59480	85070	91520	1.70	8.00	21.3		
2	0.667	4	0.500	0.20	0.196	5.45	8.21	60140	61370	90490	92340	1.70	8.00	21.3		
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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

Engineer Asif Naveed

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

Asian Consulting Engg.(Prov Of infra Academic Operational Facalities to the PU Of Tech. Rasul,MBN)

Client Reference: AsCE/PUT-RSL/2023-RE-12

SOM Lab

Ref: 1733 (Page-1/7)

Dated: 09-02-2023

Dated: 10-02-2023

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	2.668	8	0.999	0.79	0.784	26.40	33.79	73710	74270	94340	95060	1.50	8.00	18.8	
2	2.672	8	1.000	0.79	0.785	26.45	33.81	73850	74320	94400	95000	1.60	8.00	20.0	
3	1.503	6	0.750	0.44	0.442	16.56	19.90	83030	82660	99740	99290	1.30	8.00	16.3	
4	1.501	6	0.749	0.44	0.441	16.38	19.75	82110	81930	98970	98750	1.40	8.00	17.5	
5	0.673	4	0.502	0.20	0.198	7.61	9.40	83970	84820	103640	104690	1.60	8.00	20.0	
6	0.668	4	0.500	0.20	0.196	7.61	9.40	83970	85680	103640	105760	1.30	8.00	16.3	
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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

Engineer Asif Naveed

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

Asian Consulting Engg.(Prov Of infra Academic Operational Facalities to the PU Of Tech. Rasul,MBN)

Client Reference: AsCE/PUT-RSL/2023-RE-13

SOM Lab

Ref: 1733 (Page-2/7)

Dated: 09-02-2023

Dated: 10-02-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Mughal 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	2.700	8	1.005	0.799	0.793	25.91	34.37	72340	72070	95960	95600	1.60	8.00	20.00	
2	1.506	6	0.751	0.444	0.443	15.39	18.88	77160	76630	94630	93990	1.40	8.00	17.50	
3	0.672	4	0.501	0.210	0.197	6.12	8.05	67450	68470	88800	90160	1.10	8.00	13.80	
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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

Engineer Asif Naveed

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

Asian Consulting Engg.(Prov Of infra Academic Operational Facalities to the PU Of Tech. Rasul,MBN)

Client Reference: AsCE/PUT-RSL/2023-RE-14

SOM Lab

Ref: 1733 (Page-3/7)

Dated: 09-02-2023

Dated: 10-02-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Mughal 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	1.500	6	0.749	0.44	0.441	15.95	19.69	79970	79780	98720	98490	1.20	8.00	15.00	
2	0.672	4	0.501	0.20	0.197	6.32	7.56	69700	70760	83410	84680	1.20	8.00	15.00	
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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

Engineer Asif Naveed

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

Asian Consulting Engg.(Prov Of infra Academic Operational Facalities to the PU Of Tech. Rasul,MBN)

Client Reference: AsCE/PUT-RSL/2023-RE-15

SOM Lab

Ref: 1733 (Page-4/7)

Dated: 09-02-2023

Dated: 10-02-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Ittehad 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	2.70 3	8	1.00 5	0.7 9	0.79 4	26.35	33.91	73570	73200	94680	94200	1.5 0	8. 0	18. 8	
2	1.50 5	6	0.75 0	0.4 4	0.44 2	15.67	19.64	78530	78180	98460	98020	1.4 0	8. 0	17. 5	
3	0.67 4	4	0.50 2	0.2 0	0.19 8	5.96	8.72	65760	66430	96110	97080	1.4 0	8. 0	17. 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

Engineer Asif Naveed

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

Asian Consulting Engg.(Prov Of infra Academic Operational Facalities to the PU Of Tech. Rasul,MBN)

Client Reference: AsCE/PUT-RSL/2023-RE-16

SOM Lab

Ref: 1733 (Page-5/7)

Dated: 09-02-2023

Dated: 10-02-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Ittehad 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	2.670	8	1.000	0.79	0.785	26.96	34.12	75270	75750	95250	95860	1.50	8.00	18.8	
2	1.502	6	0.749	0.44	0.441	16.36	20.10	82010	81820	100760	100530	1.30	8.00	16.3	
3	0.674	4	0.502	0.20	0.198	5.96	8.58	65760	66430	94650	95610	1.40	8.00	17.5	
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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

Engineer Asif Naveed

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

Asian Consulting Engg.(Prov Of infra Academic Operational Facalities to the PU Of Tech. Rasul,MBN)

Client Reference: AsCE/PUT-RSL/2023-RE-17

SOM Lab

Ref: 1733 (Page-6/7)

Dated: 09-02-2023

Dated: 10-02-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Ittehad 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	2.70 8	8	1.00 7	0.7 9	0.79 6	26.27	33.74	73340	72790	94200	93490	1.5 0	8. 0	18. 8	
2	1.50 2	6	0.74 9	0.4 4	0.44 1	15.04	18.86	75370	75200	94530	94310	1.6 0	8. 0	20. 0	
3	0.67 2	4	0.50 1	0.2 0	0.19 7	5.96	8.41	65760	66760	92740	94150	1.4 0	8. 0	17. 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

Asif Shahzad

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

Project Engr. JV Building Section DHA Gujranwala.(Const Of Office Complex DHA Gujranwala)

Client Reference: 111/3/PE JV Bldgs/GEN/16

SOM Lab

Ref: 1734 (Page-1/1)

Dated: 10-02-2023

Dated: 10-02-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Batala Premium)

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	1.466	6	0.741	0.44	0.431	13.81	20.49	69240	70680	102700	104850	1.30	8.00	16.3	
2	1.468	6	0.741	0.44	0.431	13.56	20.08	67960	69380	100660	102760	1.30	8.00	16.3	
3	1.039	5	0.623	0.31	0.305	11.47	14.42	81590	82930	102620	104300	1.20	8.00	15.0	
4	1.044	5	0.625	0.31	0.307	11.62	14.73	82680	83480	104800	105820	1.10	8.00	13.8	
5	0.672	4	0.501	0.20	0.197	6.68	9.02	73630	74750	99480	101000	1.20	8.00	15.0	
6	0.672	4	0.501	0.20	0.197	6.42	8.74	70820	71900	96340	97800	1.10	8.00	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

Engineer Asif Naveed

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

Asian Consulting Engg.(Prov Of infra Academic Operational Facalities to the PU Of Tech. Rasul,MBN)

Client Reference: AsCE/PUT-RSL/2023-RE-18

SOM Lab

Ref: 1733 (Page-7/7)

Dated: 09-02-2023

Dated: 10-02-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Pk-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	1.501	6	0.749	0.44	0.441	11.77	18.42	59020	58880	92330	92120	1.20	8.0	15.0	
2	0.669	4	0.501	0.20	0.197	6.09	7.56	67110	68130	83410	84680	1.20	8.0	15.0	
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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

Muhammad Siddique
Head QA/AC AL-A`ZAMIYYA BLOCK PHASE I Lahore.

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

Client Reference: Alz./ST/002

Dated: 10-02-2023

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 1735 (Page-1/1)

Dated: 10-02-2023

ASTM-A-615

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	2.637	8	0.993	0.79	0.775	26.32	34.02	73480	74900	94970	96800	1.40	8.0	17.5	
2	2.600	8	0.986	0.79	0.764	26.71	34.27	74560	77100	95680	98930	1.60	8.0	20.0	
3	0.664	4	0.498	0.20	0.195	6.47	8.41	71380	73210	92740	95120	1.30	8.0	16.3	
4	0.675	4	0.502	0.20	0.198	6.39	8.43	70480	71190	92960	93900	1.20	8.0	15.0	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six 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