

Asif Shahzad  
Assistant Project Engineer, Building Section, DHA Gujranwala

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

**Client Reference:** 111/3/APE Bldgs/Gen/08

**SOM Lab**

**Ref:** 5117(Page-1/1)

**Dated:** 04-10-2021

**Dated:** 08-10-2021

**Test:** Tension Test & Bend Test

**Test Specification:**

ASTM-A-615

Deformed Bar ( SJ

**Gauge Length:** 8 inch

**Sample Type:**

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.482	6	0.745	0.44	0.436	16.79	20.76	84160	84930	104080	105040	1.30	8.0	16.3	
2	1.490	6	0.747	0.44	0.438	16.56	20.69	83030	83410	103720	104200	1.10	8.0	13.8	
3	0.658	4	0.496	0.20	0.193	7.61	9.48	83970	87020	104540	108330	1.10	8.0	13.8	
4	0.655	4	0.494	0.20	0.192	7.67	9.60	84530	88060	105890	110300	1.10	8.0	13.8	
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**BEND TEST:**

# 6	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  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](http://www.uet-civil.edu.pk)

Maqsood Ahmed  
Construction Manager, BSM Developers (Pvt) Ltd., Lahore

Test Performed By: Dr. /Engr.

S. Asad Ali  
Gillani

Client Reference: CM/BSM/Ph-8/02

Dated: 04-10-2021

Test: Tension Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 5119(Page-1/1)

Dated: 08-10-2021

ASTM-A-615

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.654	8	0.997	0.79	0.780	26.96	33.81	75270	76240	94400	95610	1.60	8.0	20.0	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Two Samples Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Sub Divisional Officer  
Buildings Sub Division No.2, Multan

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

Client Reference: 266/2nd

SOM Lab

Ref: 5120(Page-1/1)

Dated: 07-09-2021

Dated: 08-10-2021

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.667	8	0.999	0.79	0.784	25.71	33.94	71770	72320	94770	95490	1.70	8.0	21.3	
2	1.481	6	0.744	0.44	0.435	15.51	20.10	77770	78660	100760	101920	1.30	8.0	16.3	
3	0.731	4	0.523	0.20	0.215	6.85	9.28	75540	70270	102290	95160	1.30	8.0	16.3	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  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](http://www.uet-civil.edu.pk)

Major Muhammad Azeem (Retd)

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

Resident Engineer, ACES Pvt. Ltd., Site Office DHA Mattital Road, Multan (M/s Nexus Builders Pvt. Ltd.)

**Client Reference:** RE/Sec-T&B1/Material/38

**SOM Lab**

**Ref:** 5121(Page-1/1)

**Dated:** 27-09-2021

**Dated:** 08-10-2021

**Test:** Tension Test & Bend Test

**Test Specification:** ASTM-A-615

**Gauge Length:** 8 inch

**Sample Type:** Deformed Bar (SJ 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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.673	4	0.502	0.20	0.198	6.60	9.09	72730	73470	100270	101280	1.20	8.0	15.0	
2	0.673	4	0.502	0.20	0.198	6.52	9.12	71940	72670	100610	101620	1.30	8.0	16.3	
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**BEND TEST:**

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

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Engr. Shair Muhammad

Test Performed By:

Dr. /Engr.

S Asad Ali Gillani

Resident Engineer, M-3 IC Industrial City, Faisalabad (Osmani & Company Pvt. Ltd. Fsd.)

Client Reference: CRE/M3IC/FIC-048/Lab/1473

SOM Lab

Ref:

5123(Page-1/1)

Dated: 06-10-2021

Dated:

08-10-2021

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.659	8	0.997	0.79	0.781	28.03	37.26	78260	79160	104010	105210	1.20	8.0	15.0	
2	2.652	8	0.996	0.79	0.779	28.24	37.23	78830	79940	103930	105400	1.00	8.0	12.5	
3	1.676	6	0.792	0.44	0.493	16.53	21.48	82880	73970	107660	96080	1.30	8.0	16.3	
4	1.679	6	0.792	0.44	0.493	16.31	21.56	81750	72970	108070	96450	1.50	8.0	18.8	
5	1.082	5	0.636	0.31	0.318	10.93	14.95	77750	75790	106390	103710	1.20	8.0	15.0	
6	1.084	5	0.637	0.31	0.319	10.88	15.11	77380	75200	107480	104450	1.20	8.0	15.0	
7	0.665	4	0.498	0.20	0.195	7.00	9.38	77230	79210	103420	106070	1.10	8.0	13.8	
8	0.664	4	0.498	0.20	0.195	6.98	9.40	77000	78980	103640	106300	1.00	8.0	12.5	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Twelve Samples Received and Tested
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 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](http://www.uet-civil.edu.pk)

Engr. Muhammad Tayyab Asif  
Executive Engineer (ECD-P), UAF, University of Agriculture, Faisalabad

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

**Client Reference:** EE/ECDP/288

**SOM Lab**

**Ref:** 5124(Page-1/1)

**Dated:** 22-09-2021

**Dated:** 08-10-2021

**Test:** Tension Test & Bend Test

**Test Specification:** ASTM-A-615

**Gauge Length:** 8 inch

**Sample Type:** Deformed Bar (Mild 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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.495	6	0.748	0.44	0.439	15.36	20.39	77000	77180	102190	102420	1.30	8.0	16.3	
2	1.478	6	0.743	0.44	0.434	15.06	19.95	75470	76510	99990	101380	1.30	8.0	16.3	
3	0.681	4	0.505	0.20	0.200	4.76	7.24	52500	52500	79810	79810	1.60	8.0	20.0	
4	0.687	4	0.507	0.20	0.202	4.69	7.26	51710	51200	80040	79240	1.60	8.0	20.0	
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**BEND TEST:**

# 6	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  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](http://www.uet-civil.edu.pk)

Muhammad Shafeeq  
CEO, Indigo Developers, Lahore

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

Client Reference: Nil

SOM Lab

Ref: 5125(Page-1/1)

Dated: 08-10-2021

Dated: 08-10-2021

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.653	8	0.997	0.79	0.780	28.80	38.86	80400	81430	108480	109870	1.20	8.0	15.0	
2	1.639	6	0.783	0.44	0.482	16.23	19.06	81340	74260	95550	87220	1.20	8.0	15.0	
3	1.000	5	0.612	0.31	0.294	10.88	13.83	77380	81590	98410	103770	1.10	8.0	13.8	
4	0.597	4	0.472	0.20	0.175	5.25	7.72	57890	66160	85100	97250	1.40	8.0	17.5	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Eight Samples Received and Tested
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 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](http://www.uet-civil.edu.pk)

Director  
Guarantee Engineers Pvt. Ltd. Lahore

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

Client Reference: GE/Projects/04/10

SOM Lab

Ref: 5127(Page-1/1)

Dated: 07-10-2021

Dated: 08-10-2021

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.632	8	0.992	0.79	0.773	23.80	34.42	66450	67910	96100	98220	1.40	8.0	17.5	
2	2.603	8	0.987	0.79	0.765	24.16	34.17	67450	69650	95390	98510	1.10	8.0	13.8	
3	1.543	6	0.759	0.44	0.453	15.49	20.90	77670	75440	104750	101740	1.10	8.0	13.8	
4	1.532	6	0.757	0.44	0.450	15.46	20.85	77510	75790	104490	102170	1.20	8.0	15.0	
5	1.026	5	0.620	0.31	0.302	12.46	16.53	88620	90970	117630	120750	1.20	8.0	15.0	
6	1.026	5	0.620	0.31	0.302	12.59	16.69	89570	91940	118720	121860	1.00	8.0	12.5	
7	0.661	4	0.497	0.20	0.194	8.66	11.21	95550	98500	123650	127470	0.90	8.0	11.3	
8	0.652	4	0.494	0.20	0.192	8.61	11.16	94990	98940	123090	128220	0.90	8.0	11.3	
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**BEND TEST:**

--	No Bend test performed	<b>Note:-</b>  Only Eight Samples Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)



