

Osmani & Compny (Pvt.) Ltd.

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

Engr, Representative (Const Of Greenfield Aerodrome For General aviation Activities At Muridke)

**Client Reference:** OCL/CAA/MAD-ER/5-2K22/93

**Dated:** 30-05-2022

**SOM Lab Ref:** CED/SOM/429(Page-1/1)

**Dated:** 03-06-2022

**Test:** Tension Test & Bend Test

**Test Specification:** ASTM-A 615

**Sample Type:** MS Deformed Bar (Ittefaq Steel)

**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 <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	2.276	20	19.22	314	290	135.00	186.00	430	466	592	642	30.0	200	15.0	
2	2.259	20	19.14	314	288	139.70	184.00	445	486	586	640	32.5	200	16.3	
3	1.560	16	15.91	201	199	107.50	136.20	535	541	677	686	27.5	200	13.8	
4	1.537	16	15.79	201	196	119.20	145.50	593	609	724	743	27.5	200	13.8	
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**BEND TEST:**

20mm	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Six Samples Received and Tested
16mm	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)

Sub Divisional officer,  
 BSD Bahawalnagar.(Const. Of Distt Office CTD Bahawalnager)

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

**Client Reference:** 531/BWN

**SOM Lab** 426 (Page-

**Ref:** 1/1)

**Dated:** 08-04-2022

**Dated:** 03-06-2022

**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	2.647	8	0.995	0.79	0.778	26.55	32.93	74140	75280	91920	93340	1.60	8.0	20.0	
2	1.518	6	0.754	0.44	0.446	13.15	18.81	65910	65030	94270	93000	1.10	8.0	13.8	
3	0.704	4	0.513	0.20	0.207	6.22	8.58	68570	66250	94650	91450	1.00	8.0	12.5	
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**BEND TEST:**

--	No Bend test performed	<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)

Premier Developer & Builders

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Procurement Manager .(Lyalpur Galleria-II Near Four Season Colony Samundri Road,FSD)

Client Reference: LG-II/017

SOM Lab 427 (Page-

Ref: 1/1)

Dated: 27-05-2022

Dated: 03-06-2022

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	2.670	8	1.000	0.79	0.785	25.50	34.32	71200	71660	95820	96430	1.50	8.0	18.8	
2	1.455	6	0.738	0.44	0.428	12.71	17.55	63720	65500	87990	90450	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 Four 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](http://www.uet-civil.edu.pk)

Hafiz Muhammad Yahya  
Masjid Ameer Humza Harbunspura Lahore.

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

Client Reference: Nil

SOM Lab 428 (Page-

Ref: 1/1)

Dated: 03-06-2022

Dated: 03-06-2022

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	2.596	8	0.986	0.79	0.763	24.82	34.71	69300	71750	96900	100330	1.30	8.0	16.3	
2	0.662	4	0.498	0.20	0.195	6.07	8.28	66890	68600	91280	93620	1.30	8.0	16.3	
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**BEND TEST:**

--	No Bend test performed	<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)

Abdul Basit Mansoor

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

Asstt Exec.Engr-III CC Div No.II Pak P.W.D Lahore(Const Of Officers Mess At NAB(L) Complex Lhr)

**Client Reference:** AEE-III/LCCD-II/LHR/132

**SOM Lab** 430 (Page-

**Ref:** 1/1)

**Dated:** 02-06-2022

**Dated:** 03-06-2022

**Test:** Tension Test & Bend Test

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

**Gauge Length:** 8 inch

**Sample Type:** Deformed Bar (BS)

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	1.500	6	0.749	0.44	0.441	16.62	19.80	83290	83100	99230	99000	1.20	8.0	15.0	
2	1.510	6	0.752	0.44	0.444	16.62	19.59	83290	82540	98210	97320	1.00	8.0	12.5	
3	1.053	5	0.627	0.31	0.309	10.30	14.19	73250	73490	100950	101280	1.10	8.0	13.8	
4	1.034	5	0.622	0.31	0.304	9.17	14.85	65270	66560	105670	107750	1.20	8.0	15.0	
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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
# 5	Sample bend through 180 degrees Satisfactorily without any crack	

Asif Pervaiz Butt  
 RE AYQ Developers Pvt. Ltd.(Union Copmlex)

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

Client Reference: Nil

SOM Lab 431 (Page-

Ref: 1/1)

Dated: 02-06-2022

Dated: 03-06-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (AF 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	0.647	4	0.492	0.20	0.190	7.31	9.19	80600	84840	101390	106730	0.90	8.0	11.3	
2	0.638	4	0.488	0.20	0.187	6.70	8.48	73850	78990	93530	100030	1.00	8.0	12.5	
3	0.658	4	0.496	0.20	0.193	7.44	9.38	82060	85040	103420	107170	1.00	8.0	12.5	
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**BEND TEST:**

# 4	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Four 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)

Sheikh Maqbool Hassan

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

RE NESPAK .(Dualization Of Sargodha Khushab Mianwali Road.( Group-IV)

Client Reference: RE/4376-E/MH/4d/65

SOM Lab

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Ref:

1/1)

Dated: 11-05-2022

Dated:

03-06-2022

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	0.661	4	0.497	0.20	0.194	7.08	8.97	78130	80540	98920	101980	0.90	8.0	11.3	
2	0.654	4	0.494	0.20	0.192	6.85	8.58	75540	78690	94650	98590	0.90	8.0	11.3	
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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)

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

Dy. Director Buildings-I

LDA, Lahore,

(Project: Vertical Extension Of LDA Office Building Block -1 & 2 . M.A Johar Town, Lahore)

**Client Reference:** DDB-I/LDA/37

**Dated:** 19-05-2022

**SOM Lab Ref:** CED/SOM/433(Page-1/1)

**Dated:** 03-06-2022

**Test:** Tension Test & Slippage  
Test

**Sample Type:** Anchor Bolt

**Gauge Length:** 50 mm

S.No.	Dia.		Area	Yield Load	Ultimate Load	Yield Stress	Ultimate. Stress	Elongation	Gauge Length	%age Elongation	
	Original Diameter	Tested Diameter									
	mm	mm	mm <sup>2</sup>	kN	kN	MPa	MPa	mm	mm	%	
1	20	17.0	227.06	125.0	182	550.5	801.5	12.5	50.0	25.0	

### Slippage Test Results

Sample No.	Sample Type	Diameter of Bolt (mm)	Maximum Load Applied (kN)	Remarks
1	Anchor Bolt	20.0	213.0	Threads Failure Occurs at this Load

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



