

Talha  
 PM Project Majeed Associates Ltd.(Const.of ABL Expo Center Joher Town)

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

**Client Reference:** Nil

**Dated:** 06-10-2022

**SOM Lab Ref:** CED/SOM/1039(Page-1/1)

**Dated:** 06-10-2022

**Test:** Tension Test & Bend Test

**Test Specification:** ASTM-A 615

**Sample Type:** Deformed Bar (AFCO 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	2.200	20	18.88	314	280	156.70	220.20	499	560	701	787	27.5	200	13.8	
2	2.253	20	19.12	314	287	152.50	203.70	485	532	648	710	30.0	200	15.0	
3	0.985	12	12.64	113	125	70.00	92.20	619	558	815	735	27.5	200	13.8	
4	0.997	12	12.72	113	127	68.70	87.20	607	542	771	687	25.0	200	12.5	
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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
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](http://www.uet-civil.edu.pk)

Engr. Tayyab Rasool,PM

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

Renaissance International,(Const Of Grid Station at Lahore Motorway City Project,Skp Road,Lahore)

**Client Reference:** QC/22/039

**SOM Lab** 1014 (Page-

**Ref:** 1/1)

**Dated:** 05-10-2022

**Dated:** 06-10-2022

**Test:** Tension Test & Bend Test

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

**Gauge Length:** 8 inch

**Sample Type:** Deformed Bar (Afco 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	1.475	6	0.743	0.44	0.433	14.22	19.98	71280	72430	100150	101770	1.00	8.0	12.5	
2	1.476	6	0.743	0.44	0.434	16.11	21.51	80730	81850	107810	109300	1.00	8.0	12.5	
3	0.662	4	0.498	0.20	0.195	7.05	9.14	77790	79780	100830	103420	1.00	8.0	12.5	
4	0.664	4	0.498	0.20	0.195	6.62	9.04	72960	74830	99710	102260	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)

Executive Engineer,  
PHE: Division Faisalabad.(Sarwar Foundation Hospital Rajana)

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

**Client Reference:** 7571

**SOM Lab** 1033 (Page-

**Ref:** 1/1)

**Dated:** 27-09-2022

**Dated:** 06-10-2022

**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	0.668	4	0.500	0.20	0.196	5.96	8.66	65760	67100	95550	97500	1.00	8.0	12.5	
2	0.676	4	0.503	0.20	0.199	5.86	7.67	64640	64960	84530	84960	1.10	8.0	13.8	
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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)

Malik Steel  
 Malik Steel Sales Depot Lahore.

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

Client Reference: Nil

SOM Lab 1034 (Page-

Ref: 1/1)

Dated: 06-10-2022

Dated: 06-10-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Model 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	2.560	8	0.979	0.79	0.752	34.81	43.65	97190	102100	121860	128010	1.00	8.0	12.5	
2	2.748	8	1.014	0.79	0.808	26.40	36.11	73710	72070	100800	98550	1.10	8.0	13.8	
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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)

Raja Muhammad Aqeel

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Astt Dir. Building Section DHA Gujranwala.(Const Of Villas (Block-A&D)

Client Reference: 111/3/AD Bldgs/GEN/23

SOM Lab

1037 (Page-

Ref:

1/1)

Dated: 03-10-2022

Dated:

06-10-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (siraj 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	0.674	4	0.502	0.20	0.198	5.76	8.63	63510	64160	95210	96170	1.50	8.0	18.8	
2	0.664	4	0.498	0.20	0.195	5.91	8.89	65200	66870	98020	100530	1.50	8.0	18.8	
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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)

Sub Divisional officer,

**Test Performed By:**

**Dr. /Engr. Asad Ali Gillani**

BSD No.6,Lhr.(Office Complex For Directorate General Punjab Probation And Parole Service Lhr)

**Client Reference:** 82/Sd-6th

**SOM Lab** 1038 (Page-

**Ref:** 1/1)

**Dated:** 26-09-2022

**Dated:** 06-10-2022

**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	1.949	8	0.854	0.79	0.573	22.88	34.00	63890	88080	94910	130850	1.60	8.0	20.0	
2	1.502	6	0.749	0.44	0.441	14.27	19.06	71540	71370	95550	95330	1.40	8.0	17.5	
3	0.669	4	0.501	0.20	0.197	6.39	8.36	70480	71560	92180	93580	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 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)

Safdar Hussain

Test Performed By:

Dr. /Engr. Asad Ali Gillani

RE ACE, Danish School Mankera. (Estb Of Daanish School (Boys & Girls) At Mankera Distt. Bhakkar)

Client Reference: ACE/RE-PDS/MNK/BHK/22/551

SOM Lab 1040 (Page-

Ref: 1/1)

Dated: 27-09-2022

Dated: 06-10-2022

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	1.043	5	0.625	0.31	0.307	9.48	13.83	67450	68110	98410	99370	1.50	8.0	18.8	
2	1.033	5	0.622	0.31	0.304	9.55	13.73	67960	69300	97690	99620	1.60	8.0	20.0	
3	0.670	4	0.501	0.20	0.197	6.65	8.92	73290	74410	98360	99860	1.20	8.0	15.0	
4	0.665	4	0.498	0.20	0.195	6.63	9.07	73070	74940	100050	102610	1.30	8.0	16.3	
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**BEND TEST:**

# 5	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 Irfan  
ME Banu Mukhtar Contracting(Pvt.) Ltd.(Burj-1 By AJWA Builders)

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

**Client Reference:** DOC-BMC/AJWA/016

**SOM Lab** 1042 (Page-

**Ref:** 1/1)

**Dated:** 06-10-2022

**Dated:** 06-10-2022

**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	2.650	8	0.996	0.79	0.779	26.20	36.41	73140	74170	101650	103090	1.40	8.0	17.5	
2	2.659	8	0.997	0.79	0.781	25.69	34.58	71720	72540	96530	97640	1.50	8.0	18.8	
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**BEND TEST:**

# 8	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)



Black Gold Industries.  
GM Technical Model Steel (Pvt.) Ltd.Lahore.

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

**Client Reference:** BG/QC/03

**SOM Lab** 1043 (Page-

**Ref:** 1/1)

**Dated:** 06-10-2022

**Dated:** 06-10-2022

**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	1.481	6	0.744	0.44	0.435	13.17	17.53	66020	66780	87880	88890	1.50	8.0	18.8	A
2	1.473	6	0.743	0.44	0.433	13.25	17.94	66430	67500	89930	91380	1.60	8.0	20.0	B
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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)

**Test Performed by:** .S. Asad Ali Gillani

Muhammad Umer Arif  
Account Officer, Ahmad traders Lahore.

**Client Reference No.:** Nil

Dated: 06-10-2022

**SOM Lab Ref:** CED/SOM/1035(Page 1/1)

Dated: 06-10-2022

**Test Type:** Load Test

**Sample Type:** Beam Clamp (Sample 2)

**Specification:** BS 1139

### Load Test Results

Sample No.	Sample Type	Ultimate Breaking Load (kN)	Ultimate Breaking Load (Kg)	Remarks
1	Beam Clamp (Sample 2) (Tension)	55.0	5607	Bolt Comes Out From Clamp Assembly

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

**Test Performed by:** .S. Asad Ali Gillani

Muhammad Umer Arif  
Account Officer, Ahmad traders Lahore.

**Client Reference No.:** Nil

Dated: 06-10-2022

**SOM Lab Ref:** CED/SOM/1036(Page 1/1)

Dated: 06-10-2022

**Test Type:** Load Test

**Sample Type:** Beam Clamp (Sample 1)

**Specification:** BS 1139

### Load Test Results

Sample No.	Sample Type	Ultimate Breaking Load (kN)	Ultimate Breaking Load (Kg)	Remarks
1	Beam Clamp (Sample 1) (Tension)	59.70	6086	Clamp Pin Breaks At this Load

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

