

Prof.DR.Engr.Abdullah Yasar

**Test Performed By:**

Dr. /Engr. Nauman Khurram

Campus Engineer, GC Uni, Lahore.(Const Of Library GC University,KSK Campus Lahore)

**Client Reference:** GCU/Engr/2097/P

**SOM Lab**

**Ref:** 798 (Page-1/1)

**Dated:** 18-08-2022

**Dated:** 25-08-2022

**Test:** Tension Test & Bend Test

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

**Gauge Length:** 8 inch

**Sample Type:**

Deformed Bar (Ravi 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	1.502	6	0.749	0.44	0.441	12.64	18.22	63360	63220	91310	91100	1.50	8.0	18.8	
2	0.683	4	0.506	0.20	0.201	6.22	8.53	68570	68230	94090	93620	1.00	8.0	12.5	
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**BEND TEST:**

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

Premier Developer & Builders

Test Performed By:

Dr. /Engr. Rizwan Riaz

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

Client Reference: LG-II/022

SOM Lab

Ref: 799 (Page-1/1)

Dated: 23-08-2022

Dated: 25-08-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (FF 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	24.46	33.03	68300	69090	92210	93270	1.50	8.0	18.8	
2	1.443	6	0.735	0.44	0.424	12.71	18.04	63720	66120	90440	93850	1.50	8.0	18.8	
3	0.668	4	0.500	0.20	0.196	5.73	8.38	63180	64470	92400	94290	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 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)

Huma Asif

Test Performed By:

Dr. /Engr.

Nauman Khurram

Asstt Exec.Engr-IV, CC Div No.1 Pak P.W.D Lahore(Const Of New Office Block)

Client Reference: AEE-IV/CCD-I/LHR/97

SOM Lab

Ref:

800 (Page-1/1)

Dated: 27-06-2022

Dated:

25-08-2022

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	2.646	8	0.995	0.79	0.778	25.20	34.93	70350	71440	97530	99030	1.50	8.0	18.8	
2	2.680	8	1.002	0.79	0.788	25.79	34.78	72000	72180	97100	97350	1.50	8.0	18.8	
3	1.478	6	0.743	0.44	0.434	14.05	19.01	70410	71380	95290	96610	1.30	8.0	16.3	
4	1.490	6	0.747	0.44	0.438	14.12	19.22	70770	71090	96320	96750	1.50	8.0	18.8	
5	1.046	5	0.625	0.31	0.307	10.04	13.51	71440	72130	96090	97030	1.40	8.0	17.5	
6	1.043	5	0.625	0.31	0.307	10.35	13.81	73610	74330	98270	99230	1.40	8.0	17.5	
7	0.672	4	0.501	0.20	0.197	5.98	8.97	65990	66990	98920	100430	1.30	8.0	16.3	
8	0.672	4	0.501	0.20	0.197	6.03	9.12	66550	67560	100610	102140	1.40	8.0	17.5	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<p><b>Note:-</b></p> <p>Only Twelve Samples Received and Tested</p>
# 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. Naveed Sadiq  
RE Orbit Housing.Lahore.(The Springs Apartment Homes)

**Test Performed By:** Dr. /Engr. Nauman Khurram

**Client Reference:** Nil

**SOM Lab**

**Ref:** 801 (Page-1/1)

**Dated:** 25-08-2022

**Dated:** 25-08-2022

**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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.620	8	0.990	0.79	0.770	23.19	32.74	64740	66430	91410	93780	1.40	8.0	17.5	
2	2.609	8	0.988	0.79	0.767	22.99	32.72	64180	66100	91350	94090	1.50	8.0	18.8	
3	1.521	6	0.754	0.44	0.447	14.75	20.13	73940	72780	100910	99330	1.30	8.0	16.3	
4	1.510	6	0.752	0.44	0.444	14.73	19.83	73830	73170	99380	98490	1.30	8.0	16.3	
5	0.668	4	0.500	0.20	0.196	7.10	9.45	78350	79950	104200	106330	1.20	8.0	15.0	
6	0.672	4	0.501	0.20	0.197	7.29	9.48	80370	81600	104540	106130	1.10	8.0	13.8	
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**BEND TEST:**

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

Sohail Anjum

Test Performed By:

Dr. /Engr.

Nauman Khurram

Project Manager MS Tower, G4, Lahore (Const of MS Tower At Plot 450,451 Johar Town Lahore)

Client Reference: MST/BCC/UET/2022/S-010

SOM Lab

Ref:

802 (Page-1/1)

Dated: 25-08-2022

Dated:

25-08-2022

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	1.491	6	0.747	0.44	0.438	13.73	18.47	68830	69140	92590	93010	1.30	8.0	16.3	
2	1.481	6	0.744	0.44	0.435	13.99	19.01	70100	70910	95290	96390	1.40	8.0	17.5	
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**BEND TEST:**

# 6	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

HSD Ahmedpur East.(Kotla Musa Khan To Kachi Mor Ans Flyover at Firdous Cinema Phatak)

**Client Reference:** 238

**SOM Lab**

**Ref:** 803 (Page-1/1)

**Dated:** 22-08-2022

**Dated:** 25-08-2022

**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	2.680	8	1.002	0.79	0.788	24.59	33.30	68640	68820	92970	93210	1.60	8.0	20.0	
2	2.682	8	1.002	0.79	0.788	24.79	33.00	69210	69390	92120	92350	1.50	8.0	18.8	
3	1.503	6	0.750	0.44	0.442	14.55	20.44	72910	72580	102450	101980	1.40	8.0	17.5	
4	1.506	6	0.751	0.44	0.443	14.37	20.25	72050	71560	101530	100840	1.30	8.0	16.3	
5	0.670	4	0.501	0.20	0.197	5.83	7.90	64300	65280	87120	88450	1.20	8.0	15.0	
6	0.682	4	0.505	0.20	0.200	6.60	8.61	72730	72730	94990	94990	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 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](http://www.uet-civil.edu.pk)

M/S Project Managers  
Lahore.(Allied Bank Ltd Plot No.14 Block A3 Gulberg III Lahore)

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

**Client Reference:** Nil

**SOM Lab**

**Ref:** 804 (Page-1/1)

**Dated:** 25-08-2022

**Dated:** 25-08-2022

**Test:** Tension Test & Bend Test

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

**Gauge Length:** 8 inch

**Sample Type:** Deformed Bar (FF Steel)

ASTM-A-615

Deformed Bar (FF 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	2.670	8	1.000	0.79	0.785	28.97	35.95	80880	81390	100370	101010	1.00	8.0	12.5	
2	2.641	8	0.994	0.79	0.776	26.61	34.63	74280	75620	96670	98420	1.30	8.0	16.3	
3	1.488	6	0.746	0.44	0.437	13.32	18.45	66780	67240	92480	93120	1.30	8.0	16.3	
4	1.481	6	0.744	0.44	0.435	13.35	18.47	66940	67710	92590	93650	1.40	8.0	17.5	
5	0.664	4	0.498	0.20	0.195	6.19	8.69	68230	69980	95770	98230	1.20	8.0	15.0	
6	0.672	4	0.501	0.20	0.197	6.22	8.84	68570	69620	97460	98940	1.30	8.0	16.3	
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**Witnessed By:** M Anas (Civil Officer Allied Bank)

**BEND TEST:**

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

Engr. M Abbas

**Test Performed By:**

**Dr. /Engr.**

Irfan Ul Hassan

RE City Survey & Engg Consultants.(Green View Executive Apartments Phase-V)

**Client Reference:** GVA/RE/11/22

**SOM Lab**

**Ref:**

805 (Page-1/1)

**Dated:** 24-08-2022

**Dated:**

25-08-2022

**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	2.684	8	1.002	0.79	0.789	27.73	33.74	77410	77510	94200	94320	1.50	8.0	18.8	
2	2.654	8	0.997	0.79	0.780	27.80	33.97	77610	78600	94820	96040	1.40	8.0	17.5	
3	1.506	6	0.751	0.44	0.443	15.80	19.64	79200	78660	98460	97790	1.40	8.0	17.5	
4	1.543	6	0.759	0.44	0.453	17.74	21.76	88910	86360	109090	105960	1.50	8.0	18.8	
5	0.675	4	0.502	0.20	0.198	6.78	8.58	74750	75510	94650	95610	1.40	8.0	17.5	
6	0.680	4	0.505	0.20	0.200	6.93	8.69	76440	76440	95770	95770	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 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](http://www.uet-civil.edu.pk)