

Arif Siddique

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Ideal Construction Service,Lahore.(FMH Tower Lahore)

Client Reference: ICS/786/454

SOM Lab

Ref:

1582 (Page-1/1)

Dated: 14-01-2023

Dated:

16-01-2023

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	1.527	6	0.756	0.44	0.449	13.46	18.04	67450	66100	90440	88630	1.50	8.0	18.8	
2	0.672	4	0.501	0.20	0.197	5.66	8.66	62390	63340	95550	97000	1.30	8.0	16.3	
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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. Asad Ali Gillani

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

Client Reference: LG-II/035

SOM Lab

Ref: 1583 (Page-1/1)

Dated: 12-01-2023

Dated: 16-01-2023

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	2.621	8	0.990	0.79	0.770	23.24	33.71	64890	66570	94110	96560	1.40	8.0	17.5	
2	1.501	6	0.749	0.44	0.441	14.27	19.75	71540	71370	98970	98750	1.40	8.0	17.5	
3	0.700	4	0.512	0.20	0.206	5.83	8.33	64300	62430	91840	89160	1.20	8.0	15.0	
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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)

Engineer Muhammad Irfan  
Asst Dir Infra. DHA Gujranwala.(Sector G)

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

Client Reference: 111/15/AD/RS/Pkg-2B/1173

SOM Lab

Ref: 1584 (Page-1/1)

Dated: 14-01-2023

Dated: 16-01-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Union 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	0.668	4	0.500	0.20	0.196	6.17	8.48	68010	69400	93530	95430	1.20	8.0	15.0	
2	0.671	4	0.501	0.20	0.197	6.03	8.15	66550	67560	89930	91300	1.20	8.0	15.0	
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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)

Zahid Mughal  
C/O M/S Amanah Noor Residence Wapda Town, Lahore.

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

**Client Reference:** Nil

**SOM Lab**

**Ref:** 1585 (Page-1/1)

**Dated:** 16-01-2023

**Dated:** 16-01-2023

**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	23.47	33.20	65510	66520	92690	94120	1.50	8.0	18.8	
2	1.530	6	0.757	0.44	0.450	14.70	20.66	73680	72040	103570	101270	1.30	8.0	16.3	
3	0.671	4	0.501	0.20	0.197	7.49	9.38	82620	83880	103420	104990	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 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)

Engr. Naveed Sadiq  
RE Orbit Developers.Lahore.(The Springs Gulberg Lahore)

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

**Client Reference:** Nil  
**Dated:** 16-01-2023

**SOM Lab**  
**Ref:** 1586 (Page-1/1)  
**Dated:** 16-01-2023

**Test:** Tension Test & Bend Test  
**Gauge Length:** 8 inch

**Test Specification:** ASTM-A-615  
**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	2.659	8	0.997	0.79	0.781	23.52	34.71	65650	66410	96900	98020	1.50	8.0	18.8	
2	2.650	8	0.996	0.79	0.779	23.85	34.51	66590	67530	96330	97690	1.40	8.0	17.5	
3	1.493	6	0.748	0.44	0.439	14.48	19.22	72560	72720	96320	96530	1.20	8.0	15.0	
4	1.499	6	0.749	0.44	0.441	14.68	19.42	73580	73410	97340	97120	1.20	8.0	15.0	
5	0.666	4	0.500	0.20	0.196	5.78	8.10	63740	65040	89370	91190	1.20	8.0	15.0	
6	0.665	4	0.498	0.20	0.195	5.83	7.95	64300	65950	87680	89930	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)

Yasir Ahmad  
GM-Works FF Steel Lahore.

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

Client Reference: Nil

SOM Lab

Ref: 1587 (Page-1/1)

Dated: 09-01-2023

Dated: 16-01-2023

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	1.032	5	0.621	0.31	0.303	9.35	13.40	66500	68040	95370	97570	1.30	8.0	16.3	
2	1.032	5	0.621	0.31	0.303	9.38	13.52	66720	68260	96170	98390	1.50	8.0	18.8	
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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)

Engr Khalid Sattar

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

RE DHQ Hospital Hafizabad.(Up-gradation of D.H.Q Hospital Hafizaabad Group No.1)

Client Reference: MCE/DHQ Hafizabad/23/12

SOM Lab

Ref: 1588 (Page-1/1)

Dated: 07-01-2023

Dated: 16-01-2023

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	2.674	8	1.000	0.79	0.786	25.79	33.81	72000	72370	94400	94880	1.60	8.0	20.0	
2	2.675	8	1.000	0.79	0.786	26.40	34.71	73710	74080	96900	97390	1.50	8.0	18.8	
3	1.522	6	0.754	0.44	0.447	14.60	19.62	73170	72020	98360	96820	1.30	8.0	16.3	
4	1.519	6	0.754	0.44	0.446	14.95	19.98	74960	73950	100150	98800	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	

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,  
HSDiv Raiwind.(Wid/Impro Of Manga Raiwind Rd L=18KM Distt Lahore)

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

**Client Reference:** 15/SDR

**SOM Lab**

**Ref:** 1589(Page-1/1)

**Dated:** 09-01-2023

**Dated:** 16-01-2023

**Test:** Tension Test & Bend Test

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

**Gauge Length:** 8 inch

**Sample Type:** Def/Plain Bar (A.F 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	2.700	8	1.005	0.79	0.793	22.58	34.66	63040	62800	96760	96390	2.00	8.0	25.0	Plain
2	2.698	8	1.005	0.79	0.793	18.96	28.59	52930	52730	79830	79520	2.20	8.0	27.5	Plain
3	0.671	4	0.501	0.20	0.197	4.74	7.21	52270	53070	79470	80690	1.50	8.0	18.8	Def
4	0.671	4	0.501	0.20	0.197	4.84	7.34	53400	54210	80940	82170	1.50	8.0	18.8	Def
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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
# 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)



Naveed Ahmad

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Asst Dir Lab DHA Bahawalpur Cantonment.(Masjid Sector-A)(AN Sahara Const. Pvt.Ltd)

Client Reference: 530/QCMTL/DHAB

SOM Lab

Ref:

1592 (Page-1/1)

Dated: 13-01-2023

Dated:

16-01-2023

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.663	8	0.998	0.79	0.783	25.69	32.11	71720	72360	89640	90450	1.50	8.0	18.8	
2	1.470	6	0.742	0.44	0.432	14.68	19.22	73580	74940	96320	98100	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 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)

Shoaib Iqbal

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

Asst Engr UHE M.Siddique Sons Lahore.(Business Incubation,University Of Home Economics,Lhr)

**Client Reference:** Nil

**SOM Lab**

**Ref:** 1593 (Page-1/1)

**Dated:** 16-01-2023

**Dated:** 16-01-2023

**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	2.639	8	0.994	0.79	0.776	26.91	34.45	75130	76490	96190	97920	1.20	8.0	15.0	
2	1.484	6	0.745	0.44	0.436	17.64	21.07	88400	89210	105610	106580	1.00	8.0	12.5	
3	0.672	4	0.501	0.20	0.197	8.05	9.76	88800	90160	107580	109210	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)

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

Engr. Zaheer Ud Din Babar,  
Dy.General Manager Projects,  
Habib Rafiq Engineering (Pvt.)Ltd,Lahore

(Constructions Of sky Gardens Tower,Lahore)

**Client Reference No.:** HRLE/SKG/2023/108/1988/RETEST

Dated: 16-01-2023

**SOM Lab Ref:**CED/SOM/1590 (Page 1/1)

Dated: 16-01-2023

**Test:** Tensile Test

**Sample Type:** M.S Deformed Steel bar with Coupler

### Tension Test Results

Sr. No.	Bar Size	Area	Yield Load	Ultimate Load	Yield stress	Ultimate stress	Remarks
	( mm )	(mm <sup>2</sup> )	kN	kN	(Mpa)	(Mpa)	
1	16	201	95.0	118.2	473	558	Steel Breaks from Threaded Portions

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

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

Engr. Zaheer Ud Din Babar,  
Dy.General Manager Projects,  
Habib Rafiq Engineering (Pvt.)Ltd,Lahore  
(Constructions Of sky Gardens Tower,Lahore)

**Client Reference No.:** HRLE/SKG/2023/109/2104/RETEST

Dated: 16-01-2023

**SOM Lab Ref:** CED/SOM/1591 (Page 1/1)

Dated: 16-01-2023

**Test:** Tensile Test

**Sample Type:** M.S Deformed Steel bar with Coupler

### Tension Test Results

Sr. No.	Bar Size	Area	Yield Load	Ultimate Load	Yield stress	Ultimate stress	Remarks
	( mm )	(mm <sup>2</sup> )	kN	kN	(Mpa)	(Mpa)	
1	16	201	86.7	111.7	431	556	Steel Breaks from Threaded Portions

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

