

Osmani & Compny (Pvt) Ltd.

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Engr's Repres Muridke.(Const Of Greenfield Aerodrome For General Aviation Activities at Muridke)

Client Reference: OCL/CAA/MAD-ER/01-2K23/18**Dated:** 11-01-2023**SOM Lab Ref:** CED/SOM/1922(Page-1/1)**Dated:** 14-03-2023**Test:** Tension Test & Bend Test**Test Specification:** ASTM-A 615**Sample Type:** Deformed Bar (Islamabad Premium)**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 ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	2.233	20	19.02	314	284	148.50	195.70	473	523	623	690	30.0	200	15.0	
2	2.205	20	18.91	314	281	146.70	194.00	467	523	618	691	35.0	200	17.5	
3	1.570	16	15.96	201	200	102.20	140.20	508	511	697	701	35.0	200	17.5	
4	1.580	16	16.01	201	201	101.50	141.20	505	505	702	702	37.5	200	18.8	
5	1.000	12	12.74	113	127	62.70	81.20	554	493	718	638	30.0	200	15.0	
6	1.000	12	12.74	113	127	63.00	81.70	557	495	722	642	32.5	200	16.3	
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BEND TEST:

20mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine Samples Received and Tested
16mm	Sample bend through 180 degrees Satisfactorily without any crack	
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

Yasir Ahmad
GM-Works FF Steel Lahore.

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: Nil
Dated: 07-03-2023

SOM Lab
Ref: 1923 (Page-1/1)
Dated: 14-03-2023

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.016	5	0.617	0.31	0.299	9.58	14.02	68170	70680	99720	103390	1.40	8.0	17.5	1
2	1.015	5	0.616	0.31	0.298	9.55	13.91	67960	70690	98990	102980	1.20	8.0	15.0	2
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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BEND TEST:

--	No Bend test performed	Note:- Only Two Samples Received and Tested

Note: Please always confirm the results of above report on web 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/1327

SOM Lab

Ref: 1924 (Page-1/1)

Dated: 11-03-2023

Dated: 14-03-2023

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.674	4	0.502	0.20	0.198	6.07	9.02	66890	67560	99480	100490	1.50	8.0	18.8	
2	0.673	4	0.502	0.20	0.198	6.01	9.04	66320	66990	99710	100710	1.50	8.0	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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Witnessed By: Hafiz Danish LT,DHAG

BEND TEST:

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

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Muhammad Asif Hameed

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

CM Imperium Developers,Lahore.(Const Of Sixty6 at Gulberh-III,Lahore)

Client Reference: IMP/PM/66/04/137

SOM Lab

Ref:

1925 (Page-1/2)

Dated: 13-03-2023

Dated:

14-03-2023

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.646	8	0.995	0.79	0.778	25.61	36.00	71490	72590	100510	102060	1.30	8.0	16.3	
2	2.618	8	0.990	0.79	0.769	25.54	36.16	71290	73240	100940	103700	1.00	8.0	12.5	
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Witnessed By: M. Husnain, Site Engineer (Imperium Developers)

BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Muhammad Asif Hameed

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

CM Imperium Developers,Lahore.(Const Of Sixty6 at Gulberh-III,Lahore)

Client Reference: IMP/PM/66/04/137

SOM Lab

Ref:

1925 (Page-1/2)

Dated: 13-03-2023

Dated:

14-03-2023

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.646	8	0.995	0.79	0.778	25.61	36.00	71490	72590	100510	102060	1.30	8.0	16.3	
2	2.618	8	0.990	0.79	0.769	25.54	36.16	71290	73240	100940	103700	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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Witnessed By: M. Husnain, Site Engineer (Imperium Developers)

BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Muhammad Asif Hameed

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

CM Imperium Developers,Lahore.(Const Of Sixty6 at Gulberh-III,Lahore)

Client Reference: IMP/PM/66/04/136

SOM Lab

Ref:

1925 (Page-2/2)

Dated: 13-03-2023

Dated:

14-03-2023

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.495	6	0.748	0.44	0.439	16.48	21.61	82620	82810	108320	108570	1.00	8.0	12.5	
2	1.490	6	0.747	0.44	0.438	14.73	20.15	73830	74170	101020	101480	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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Witnessed By: M. Husnain, Site Engineer (Imperium Developers)

BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Mirza Muhammad Shahzad,RE

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Nespak Lahore.(Const Of Multi-Level Grade Separation Flyover at Shahdra Morr Lahore)

Client Reference: 4537/03/MSA/09/20

SOM Lab

Ref:

1926 (Page-1/1)

Dated: 11-03-2023

Dated:

14-03-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Mughal 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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.656	8	0.997	0.79	0.781	26.71	34.25	74560	75420	95620	96720	1.50	8.0	18.8	A-370
2	2.642	8	0.994	0.79	0.776	26.50	33.91	73990	75330	94680	96390	1.60	8.0	20.0	B-3421
3	2.682	8	1.002	0.79	0.788	28.03	35.27	78260	78460	98470	98720	1.60	8.0	20.0	E-8692
4	1.470	6	0.742	0.44	0.432	16.38	20.29	82110	83630	101680	103560	1.20	8.0	15.0	A-200
5	1.467	6	0.741	0.44	0.431	16.56	20.36	83030	84760	102040	104170	1.50	8.0	18.8	A-200
6	0.859	5	0.566	0.31	0.252	11.16	13.63	79410	97690	96960	119280	1.20	8.0	15.0	A-535
7	0.672	4	0.501	0.20	0.197	6.83	8.74	75320	76460	96340	97800	1.10	8.0	13.8	A-448
8	0.672	4	0.501	0.20	0.197	8.05	9.63	88800	90160	106230	107840	1.00	8.0	12.5	B-3503
9	0.671	4	0.501	0.20	0.197	7.14	8.89	78690	79890	98020	99510	1.10	8.0	13.8	D-8001
10	0.672	4	0.501	0.20	0.197	7.36	9.19	81160	82400	101390	102940	1.20	8.0	15.0	E-8773

BEND TEST:

Sr.# (1-3)	Sample bend through 180 degrees Satisfactorily without any crack
Sr.# (4)	Sample bend through 180 degrees Satisfactorily without any crack
Sr.# (6)	Sample bend through 180 degrees Satisfactorily without any crack
Sr.# (7-10)	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Nineteen Samples Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Humza Ali, Director

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

KadventureConstruction (Pvt) Ltd. Lahore.(Project: CBD,Kalma Chowk, Lahore)

Client Reference: Nil

SOM Lab

Ref:

1927 (Page-1/1)

Dated: 14-03-2023

Dated:

14-03-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Falcon 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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.675	8	1.000	0.79	0.786	22.50	35.14	62810	63130	98100	98590	1.50	8.0	18.8	
2	2.674	8	1.000	0.79	0.786	22.28	35.09	62210	62530	97950	98450	1.60	8.0	20.0	
3	1.522	6	0.754	0.44	0.447	13.48	21.00	67550	66490	105260	103610	1.20	8.0	15.0	
4	1.514	6	0.753	0.44	0.445	13.35	21.48	66940	66180	107660	106450	1.30	8.0	16.3	
5	0.672	4	0.501	0.20	0.197	6.32	9.60	69700	70760	105890	107500	1.10	8.0	13.8	
6	0.669	4	0.501	0.20	0.197	6.39	9.60	70480	71560	105890	107500	1.20	8.0	15.0	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- 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

Zafar Iqbal

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

PM United LifeStyle Pvt. Ltd.(Sky Scraper By United at Johar Town Lahore)

Client Reference: ULS/2021-22-23/029

SOM Lab

Ref:

1928 (Page-1/1)

Dated: 14-03-2023

Dated:

14-03-2023

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.664	8	0.998	0.79	0.783	26.61	33.51	74280	74940	93540	94380	1.50	8.0	18.8	
2	2.676	8	1.000	0.79	0.786	27.59	33.71	77040	77430	94110	94590	1.40	8.0	17.5	
3	1.449	6	0.736	0.44	0.426	15.60	18.98	78180	80750	95140	98270	1.30	8.0	16.3	
4	1.435	6	0.733	0.44	0.422	14.34	17.94	71890	74960	89930	93760	1.30	8.0	16.3	
5	0.672	4	0.501	0.20	0.197	7.08	9.04	78130	79320	99710	101230	1.20	8.0	15.0	
6	0.672	4	0.501	0.20	0.197	7.03	8.82	77560	78750	97230	98720	1.20	8.0	15.0	
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BEND TEST:

8 Sample bend through 180 degrees Satisfactorily without any crack

6 Sample bend through 180 degrees Satisfactorily without any crack

4 Sample bend through 180 degrees Satisfactorily without any crack

Note:-Only Nine Samples
Received and TestedNote: Please always confirm the results of above report on web www.uet-civil.edu.pk

Muhammad Hassan Khan,RE

Test Performed By:

Dr. /Engr. Waseem Abbas

Nespak Lahore.(Const Of Underpass at Ghulab Davi hospital and Additional Lanes On Lahore bridge)

Client Reference: 3772/103/GD/RE/05/394

SOM Lab

Ref: 1929 (Page-1/1)

Dated: 10-03-2023

Dated: 14-03-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Islamabad Premium)

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.672	4	0.501	0.20	0.197	5.37	7.65	59240	60140	84310	85590	1.00	8.0	12.5	
2	0.663	4	0.498	0.20	0.195	5.12	7.56	56430	57880	83410	85550	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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BEND TEST:

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

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

