

Ejaz Khan
Resident Engineer , Asif Ali & Associates (Pvt) Ltd. Lahore

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

Client Reference: THDP/RE/RE/01/721
SOM Lab Ref: CED/SOM/4707(Page-1/1)
Test: Tension and Bend Test
Sample Type: Deformed Bar(FF Steel)

Dated: 05-04-2021
Dated: 16-07-2021
Test Specification: ASTM-A 615
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	2.437	20	19.87	314	310	165.00	208.00	525	533	662	671	35.0	200	17.5	
2	2.476	20	20.04	314	315	170.00	211.50	541	540	673	671	32.5	200	16.3	
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BEND TEST:

20mm	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

M. Shahbaz Iqbal
 BPS (Pvt) Ltd. Alpha Homes (Apartments) Project

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: Nil
Dated: 16-07-2021

SOM Lab
Ref: 4704(Page-1/1)
Dated: 16-07-2021

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	0.655	4	0.494	0.20	0.192	7.54	8.94	83180	86650	98580	102690	0.90	8.0	11.3	
2	0.653	4	0.494	0.20	0.192	7.51	8.92	82850	86300	98360	102460	1.00	8.0	12.5	
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BEND TEST:

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

Ass. Project Director

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

PMU-SBP (Multan), Project Management Unit (PMU), Govt. of The Punjab, Sports Bord Punjab

Client Reference: APD/PMU/SBP/MUL/21/187

SOM Lab

Ref: 4706(Page-2/2)

Dated: 10-02-2021

Dated: 16-07-2021

Test: Tension 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	2.591	8	0.984	0.79	0.761	25.99	32.84	72570	75340	91690	95190	1.50	8.0	18.8	
2	2.598	8	0.986	0.79	0.763	25.89	32.77	72290	74840	91490	94730	1.50	8.0	18.8	
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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

Ass. Project Director

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

PMU-SBP (Multan), Project Management Unit (PMU), Govt. of The Punjab, Sports Bord Punjab

Client Reference: APD/PMU/SBP/MUL/21/85

SOM Lab

Ref: 4706(Page-1/2)

Dated: 06-02-2021

Dated: 16-07-2021

Test: Tension 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	1.512	6	0.752	0.44	0.444	16.31	20.20	81750	81020	101270	100360	1.30	8.0	16.3	
2	1.509	6	0.751	0.44	0.443	16.62	20.46	83290	82720	102550	101850	1.20	8.0	15.0	
3	0.670	4	0.501	0.20	0.197	7.46	8.92	82290	83540	98360	99860	1.40	8.0	17.5	
4	0.673	4	0.502	0.20	0.198	7.49	8.94	82620	83460	98580	99580	1.40	8.0	17.5	
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BEND TEST:

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

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

Ejaz Khan
Resident Engineer, Asif Ali & Associates (M/S Khalid Rauf & Co.)

Test Performed By:

Dr. /Engr. S. Asad Ali Gillani

Client Reference: THDP/RE/01/721

Dated: 05-04-2021

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 4707(Page-1/1)

Dated: 16-07-2021

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.632	6	0.992	0.44	0.773	22.24	33.81	111490	63460	169480	96470	1.50	8.0	18.8	
2	2.646	8	0.995	0.79	0.778	22.07	33.54	61610	62560	93630	95070	1.40	8.0	17.5	
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BEND TEST:

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

Project Manager
EKL (Pvt) Ltd. Lahore

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: Nil

SOM Lab

Ref: 4709(Page-1/1)

Dated: 15-07-2021

Dated: 16-07-2021

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	2.348	8	0.937	0.79	0.690	16.31	26.12	45540	52130	72910	83480	2.00	8.0	25.0	
2	2.346	8	0.937	0.79	0.689	15.70	24.54	43830	50250	68500	78540	1.90	8.0	23.8	
3	1.514	6	0.753	0.44	0.445	13.46	21.41	67450	66690	107300	106090	1.50	8.0	18.8	
4	1.505	6	0.750	0.44	0.442	13.61	21.25	68210	67910	106530	106050	1.60	8.0	20.0	
5	0.659	4	0.497	0.20	0.194	5.61	8.23	61830	63740	90720	93520	1.40	8.0	17.5	
6	0.662	4	0.498	0.20	0.195	5.50	8.38	60700	62260	92400	94770	1.30	8.0	16.3	
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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

Muhammad Shahbaz
Imperium Hospitality (Pvt) Ltd. Lahore

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: IHPL/Steel/0107

Dated: 16-07-2021

SOM Lab

Ref: 4710(Page-1/2)

Dated: 16-07-2021

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.666	8	0.998	0.79	0.783	26.20	36.65	73140	73790	102310	103220	1.20	8.0	15.0	
2	2.641	8	0.994	0.79	0.776	27.22	36.56	75980	77360	102080	103920	1.30	8.0	16.3	
3	2.669	8	0.999	0.79	0.784	26.47	36.90	73910	74470	103020	103810	1.20	8.0	15.0	
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Witnessed By:

Rafi Ullah(IHPL) & Ali Hasnain Khan, Jr. Planing Engineer, Kingcrete Builders.

BEND TEST:

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

Muhammad Shahbaz
Imperium Hospitality (Pvt) Ltd. Lahore

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

Client Reference: IHPL/Steel/0107

SOM Lab

Ref: 4710(Page-2/2)

Dated: 16-07-2021

Dated: 16-07-2021

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	0.668	4	0.500	0.20	0.196	6.73	8.89	74190	75710	98020	100020	1.10	8.0	13.8	
2	0.675	4	0.502	0.20	0.198	67.30	8.97	742100	749600	98920	99920	1.10	8.0	13.8	
3	0.695	4	0.510	0.20	0.204	7.16	9.28	78910	77370	102290	100290	1.00	8.0	12.5	
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Witnessed By: Rafi Ullah(IHPL) & Ali Hasnain Khan, Jr. Planing Engineer, Kingcrete Builders.

BEND TEST:

# 4	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Five 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

Sub Divisional Officer
Building Sub Division Nankana Sahib

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

Client Reference: 47/SDO/BSD/NNS

SOM Lab 4711(Page-

Ref: 1/1)

Dated: 12-07-2021

Dated: 16-07-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Guage 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	2.654	8	0.997	0.79	0.780	23.36	32.26	65230	66060	90070	91230	1.10	8.0	13.8	
2	2.656	8	0.997	0.79	0.781	23.72	32.36	66220	66990	90360	91400	1.20	8.0	15.0	
3	1.499	6	0.749	0.44	0.441	13.12	18.71	65760	65610	93760	93550	1.30	8.0	16.3	
4	1.497	6	0.748	0.44	0.440	12.51	18.17	62700	62700	91050	91050	1.30	8.0	16.3	
5	0.666	4	0.500	0.20	0.196	5.93	8.36	65420	66760	92180	94060	1.20	8.0	15.0	
6	0.664	4	0.498	0.20	0.195	6.01	8.46	66320	68020	93300	95690	1.00	8.0	12.5	
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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