

Muhammad Riaz
Resident Engineer, ACES -Site Office - RGC, DHA, Multan

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

Client Reference: ACES/DHAM-GCRR-291

Dated: 20-02-2021

SOM Lab Ref: CED/SOM/3911 (Page-1/1)

Dated: 24-02-2021

Test: Tension Test Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar(FF 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 ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.865	25	25.03	491	492	247.00	327.50	503	503	667	666	35.0	200	17.5	
2	3.892	25	25.12	491	496	247.50	328.50	504	500	669	663	32.5	200	16.3	
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BEND TEST:

25mm	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

Engr Naveed Sadiq
Resident Engineer, Orbit Housing, Lahore

Test Performed By: Dr. /Engr. M Rehan Ashraf

Client Reference: Nil

SOM Lab 3905(Page-

Ref: 1/1)

Dated: 24-02-2021

Dated: 24-02-2021

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	0.693	4	0.510	0.20	0.204	7.95	9.58	87680	85960	105670	103590	0.90	8.0	11.3	
2	0.739	4	0.526	0.20	0.217	8.28	10.30	91280	84130	113530	104640	0.90	8.0	11.3	
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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

Engr Naveed Sadiq
Resident Engineer, Orbit Housing, Lahore

Test Performed By: Dr. /Engr. M Rehan Ashraf

Client Reference: Nil

SOM Lab 3905(Page-

Ref: 1/1)

Dated: 24-02-2021

Dated: 24-02-2021

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	0.693	4	0.510	0.20	0.204	7.95	9.58	87680	85960	105670	103590	0.90	8.0	11.3	
2	0.739	4	0.526	0.20	0.217	8.28	10.30	91280	84130	113530	104640	0.90	8.0	11.3	
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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

Sub Divisional Officer
Maintenance; Sub Division No. 1, (M&R) GOR-I, Lahore

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

Client Reference: 50-BSD-I(M&R)

SOM Lab 3906(Page-

Ref: 1/1)

Dated: 15-02-2021

Dated: 24-02-2021

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	0.655	4	0.494	0.20	0.192	6.78	8.77	74750	77870	96670	100700	1.10	8.0	13.8	
2	0.659	4	0.497	0.20	0.194	6.70	8.66	73850	76140	95550	98500	1.00	8.0	12.5	
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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

Sub Divisional Officer
Highway Sub Division, No. I, Gujrat

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

Client Reference: 06/GTI

SOM Lab 3907 (Page-

Ref: 1/1)

Dated: 04-02-2021

Dated: 24-02-2021

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	1.491	6	0.747	0.44	0.438	16.62	19.42	83290	83670	97340	97780	0.70	8.0	8.8	
2	1.489	6	0.747	0.44	0.438	17.13	20.56	85840	86230	103060	103530	0.80	8.0	10.0	
3	0.659	4	0.497	0.20	0.194	6.42	8.18	70820	73010	90150	92940	0.80	8.0	10.0	
4	0.663	4	0.498	0.20	0.195	6.42	8.05	70820	72640	88800	91080	0.70	8.0	8.8	
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BEND TEST:

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

Ali Yousaf
Shahan Brothers Engineers & Construction Services Lahore

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

Client Reference: Nil

SOM Lab 3908(Page-

Ref: 1/1)

Dated: 24-02-2021

Dated: 24-02-2021

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	2.599	8	0.986	0.79	0.764	23.72	33.74	66220	68480	94200	97400	1.50	8.0	18.8	
2	1.452	6	0.737	0.44	0.427	13.30	18.91	66680	68710	94780	97670	1.50	8.0	18.8	
3	0.664	4	0.498	0.20	0.195	5.98	8.53	65990	67680	94090	96500	1.50	8.0	18.8	
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BEND TEST:

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

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

Test Performed By: Dr. /Engr. S. AsadAli Gillani

Client Reference: Nil
 Dated: 24-02-2021
 Test: Tension Test
 Gauge Length: 8 inch

SOM Lab 3909(Page-1/1)
 Ref: 1/1
 Dated: 24-02-2021
 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	0.649	4	0.493	0.20	0.191	5.83	9.30	64300	67330	102520	107350	1.20	8.0	15.0	
2	0.644	4	0.491	0.20	0.189	5.78	9.23	63740	67450	101730	107650	1.10	8.0	13.8	
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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

Abdullah Hussain

Test Performed By:

Dr. /Engr. S. Asad Ali Gillani

Resident Engineer, NESPAK Off, Street Ayesha Musjid Rawailpura(opposite Fateh Garh Agency) Sialkot

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Client Reference: NespaK/SAH/UET/010

SOM Lab Ref: 1/1)

Dated: 24-02-2021

Dated: 24-02-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Guage Length: 8 inch

Sample Type:

Deformed Bar(SJ 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	1.044	5	0.625	0.31	0.307	11.21	13.56	79780	80560	96460	97400	1.20	8.0	15.0	
2	1.036	5	0.622	0.31	0.304	11.42	13.78	81230	82830	98050	99990	1.40	8.0	17.5	
3	0.654	4	0.494	0.20	0.192	6.03	9.25	66550	69320	101960	106200	1.20	8.0	15.0	
4	0.660	4	0.497	0.20	0.194	6.14	9.28	67670	69770	102290	105460	1.20	8.0	15.0	
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BEND TEST:

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

Li Shi
 Manager, Sinohydro Corporation Limited, Pakistan

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

Client Reference: ADIB-301B/2018/188

SOM Lab 3912(Page-

Ref: 1/1)

Dated: 23-02-2021

Dated: 24-02-2021

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	0.645	4	0.492	0.20	0.190	7.39	9.53	81500	85790	105100	110630	0.90	8.0	11.3	
2	0.655	4	0.494	0.20	0.192	7.49	9.73	82620	86060	107350	111820	1.20	8.0	15.0	
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Witnessed By: M Mehtab Sikandar, Jr Engineer, NESPAK

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 Rabi Yousaf Chughtai
Lt. Commander PN, GE (Navy) Lahore

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillanni

Client Reference: 6021/151/57/E-6

SOM Lab Ref: 3913(Page-1/1)

Dated: 16-02-2021

Dated: 24-02-2021

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	1.318	6	0.702	0.44	0.387	10.45	16.41	52380	59550	82260	93530	1.20	8.0	15.0	
2	1.311	6	0.700	0.44	0.385	10.35	16.43	51860	59270	82370	94130	1.10	8.0	13.8	
3	0.974	5	0.603	0.31	0.286	7.67	12.05	54540	59120	85720	92920	1.00	8.0	12.5	
4	0.973	5	0.603	0.31	0.286	7.67	12.13	54540	59120	86300	93540	1.00	8.0	12.5	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
# 5	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