

Li Shi
 Manager Sinohydro Corporation.(220Kv Transmission Lines Associated With Lhr North Substation)

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

Client Reference: ADB-301B/2018/326

SOM Lab

Ref: 5466(Page-1/1)

Dated: 13-12-2021

Dated: 15-12-2021

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	0.669	4	0.501	0.20	0.197	7.70	10.30	84870	86160	113530	115260	1.10	8.0	13.8	
2	0.665	4	0.498	0.20	0.195	7.54	10.09	83180	85320	111290	114140	0.90	8.0	11.3	
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Witnessed By: M.Zahid Sharif (Nespak +Barqaab(J.v) J.Engr.)

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 Shabbir

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

CM Deever Developers.(Const of Zameen Opal,Plot No.16,Sec.-A,Land Breeze Housing Society,Lhr)

Client Reference: ZD/ZO/L/040

SOM Lab

Ref: 5468(Page-1/1)

Dated: 15-12-2021

Dated: 15-12-2021

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	1.663	6	0.789	0.44	0.489	16.59	21.12	83130	74800	105870	95260	1.40	8.0	17.5	
2	1.631	6	0.781	0.44	0.479	16.53	21.25	82880	76130	106530	97860	1.50	8.0	18.8	
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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

Mughal Iron & Steel Industries
Lahore.(Client:Treinador)

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: Nil

SOM Lab

Ref: 5469(Page-1/1)

Dated: 15-12-2021

Dated: 15-12-2021

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	2.650	8	0.996	0.79	0.779	26.17	35.65	73050	74090	99520	100920	1.40	8.0	17.5	
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BEND TEST:

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

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

Tahir Nazir Bhatti

Test Performed By:

Dr. /Engr.

S.Asad Ali Gillani

PM Ikan Engg. Services.(Relocation Of Jotun Manufacturing Facility to Sundar Estate.)

Client Reference: IKAN/CW138/PM/001

SOM Lab

Ref:

5470(Page-1/1)

Dated: 13-12-2021

Dated:

15-12-2021

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	2.575	8	0.982	0.79	0.757	20.74	33.79	57910	60440	94340	98450	1.60	8.0	20.0	
2	2.576	8	0.982	0.79	0.757	21.15	33.76	59050	61630	94250	98360	1.60	8.0	20.0	
3	1.535	6	0.758	0.44	0.451	12.51	18.57	62700	61170	93100	90830	1.50	8.0	18.8	
4	1.527	6	0.756	0.44	0.449	10.57	14.73	52990	51930	73830	72350	2.00	8.0	25.0	
5	0.621	4	0.481	0.20	0.182	4.35	6.63	48000	52750	73070	80290	1.20	8.0	15.0	
6	0.604	4	0.476	0.20	0.178	4.51	6.83	49690	55830	75320	84620	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

CM Engineering Pvt. Ltd.,
Lahore.(CMPAK Site ID: 53458)

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

Client Reference: CME/Steel/CMPAK/325
Dated: 15-12-2021
Test: Tension Test & Bend Test
Guage Length: 200 mm

SOM Lab
Ref: 5473(Page-1/2)
Dated: 15-12-2021
Test Specification: ASTM-A 615
Sample Type: M S 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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.987	25	25.43	491	508	336.20	407.50	685	662	830	803	25.0	200	12.5	
2	1.567	16	15.94	201	200	98.50	134.50	490	494	669	674	30.0	200	15.0	
3	0.958	12	12.47	113	122	66.50	87.20	588	545	772	715	25.0	200	12.5	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six 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

CM Engineering Pvt. Ltd.,
Lahore.(CMPAK Site ID: 53454)

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

Client Reference: CME/Steel/CMPAK/324
Dated: 15-12-2021
Test: Tension Test & Bend Test
Guage Length: 200 mm

SOM Lab
Ref: 5473(Page-2/2)
Dated: 15-12-2021
Test Specification: ASTM-A 615
Sample Type: M S 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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	2.179	20	18.81	314	278	158.20	192.00	504	570	611	691	32.5	200	16.3	
2	1.541	16	15.81	201	196	108.00	145.00	537	551	721	739	27.5	200	13.8	
3	0.977	12	12.59	113	125	69.00	89.00	611	555	788	715	25.0	200	12.5	
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BEND TEST:

20mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six 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

Engr. Zaheer Ud Din Babar

Test Performed By:

Dr. /Engr.

S. Asad Ali Gillani

Deputy General Manager Projects, Habib Rafiq Engineering (Pvt.) Ltd. (Construction Of SKY Gardens Tower, Lahore)

Client Reference: HRLE/SKG/2021/057

SOM Lab Ref: 5471(Page-1/1)

Dated: 15-12-2021

Dated: 15-12-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A 615

Guage Length: 200 mm

Sample Type:

M S Deformed bar (AFCCO 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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.115	22	22.48	387	397	176.00	279.50	455	444	722	705	42.5	200	21.3	
2	3.112	22	22.47	387	396	176.00	283.00	455	444	731	714	37.5	200	18.8	
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BEND TEST:

22mm	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

Test Performed by: .Dr.Wasim Abbas

Engr. Sajid Munir Sulehri

PM Barqaab Consulting Services

Project: Design,Manufacture,Supply,Erection,Testing & Commissioning Of 132/11.5Kv
(GIS) MOC Grid Station, Sector A, Phase VI,DHA Lahore)

Client Reference No.: BQB/DHA-MOC/PM/008

Dated: 30-11-2021

SOM Lab Ref: CED/SOM/5472 (Page 1/1)

Dated: 15-12-2021

Test Type: Hardness Test

Sample Type: Anchor Bolt (M-36)

Hardness Test Details:

Machine used: Avery Rockwell Hardness Testing Machine

(Minor Load: 10 Kgf Major Load: 90.0 kgf Scale: B)

Hardness Test Results

Sample No.	Sample Type	Hardness
1	Anchor Bolt (M-36)	HR – 88.10 – B

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