

Mian Muhammad Arshad
Builder

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

Client Reference: Nil

SOM Lab

Ref: 5102(Page-1/1)

Dated: 05-10-2021

Dated: 06-10-2021

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	1.552	6	0.762	0.44	0.456	21.00	24.31	105260	101560	121860	117590	1.00	8.0	12.5	
2	1.525	6	0.755	0.44	0.448	17.81	21.92	89260	87670	109850	107890	1.10	8.0	13.8	
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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

Abdullah Khan Architect
CIMS, Site Office DHAB

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

Client Reference: CRE/KB/01/CIMS/Site/Lab/17

SOM Lab

Ref: 5103(Page-1/1)

Dated: 05-10-2021

Dated: 06-10-2020

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (M/s 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	2.707	8	1.007	0.79	0.796	28.87	37.89	80590	79990	105780	104980	1.10	8.0	13.8	
2	2.646	8	0.995	0.79	0.778	29.53	38.43	82440	83720	107290	108940	1.30	8.0	16.3	
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Witnessed By: Asif Naveed Bhatti (R.E CIMS BWP)

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

Gai Xiqiang

Test Performed By:

Dr. /Engr. Dr. Rizwan Azam

Project Manager,China Energy Engineering Group, Northeast No. 2, Electric Power Construction Co. Ltd.

Client Reference: DD-401A-FA-619

SOM Lab Ref: 5104(Page-1/1)

Dated: 05-10-2021

Dated: 06-10-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge 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	2.704	8	1.006	0.79	0.795	25.61	34.63	71490	71040	96670	96060	1.20	8.0	15.0	
2	2.716	8	1.008	0.79	0.798	26.57	35.39	74190	73450	98810	97820	1.30	8.0	16.3	
3	1.504	6	0.750	0.44	0.442	15.62	19.49	78280	77930	97690	97250	1.50	8.0	18.8	
4	1.486	6	0.746	0.44	0.437	15.36	19.22	77000	77530	96320	96980	1.40	8.0	17.5	
5	1.497	6	0.748	0.44	0.440	14.73	19.32	73830	73830	96830	96830	1.50	8.0	18.8	
6	1.486	6	0.746	0.44	0.437	15.46	19.37	77510	78050	97080	97750	1.40	8.0	17.5	
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Witnessed By: Sohaib Ali, Sub Engineer (NESPAK)

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	
# 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

Sajjad Ali Memon
Resident Engineer, Pillar & Sons, DHA Multan

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

Client Reference: P&S/OTH/GEN/00048

SOM Lab 5105(Page-

Ref: 1/1)

Dated: 04-10-2021

Dated: 06-10-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Guage Length: 8 inch

Sample Type:

Deformed Bar (F.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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.608	8	0.988	0.79	0.766	26.71	34.76	74560	76900	97040	100080	1.50	8.0	18.8	
2	2.651	8	0.996	0.79	0.779	25.94	35.58	72430	73450	99320	100720	1.30	8.0	16.3	
3	1.496	6	0.748	0.44	0.440	14.93	22.24	74860	74860	111490	111490	1.20	8.0	15.0	
4	1.501	6	0.749	0.44	0.441	14.85	21.83	74450	74280	109450	109200	1.00	8.0	12.5	
5	0.661	4	0.497	0.20	0.194	6.24	9.07	68800	70920	100050	103140	1.10	8.0	13.8	
6	0.661	4	0.497	0.20	0.194	6.19	8.41	68230	70340	92740	95610	1.10	8.0	13.8	
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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

Gai Xiqiang

Test Performed By:

Dr. /Engr. S. Asad Ali Gillani

Project Manager, China Energy Engineering Group, Northeast No.2, Electric Power Construction Co. Ltd.

Client Reference: DD-401A-FA-618

SOM Lab Ref: 5106(Page-1/1)

Dated: 05-10-2021

Dated: 06-10-2021

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 ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.465	6	0.741	0.44	0.431	12.64	18.32	63360	64680	91820	93740	1.40	8.0	17.5	
2	1.494	6	0.748	0.44	0.439	13.93	19.39	69850	70010	97180	97410	1.30	8.0	16.3	
3	1.501	6	0.749	0.44	0.441	14.29	19.24	71640	71470	96420	96200	1.70	8.0	21.3	
4	1.503	6	0.750	0.44	0.442	14.58	19.29	73070	72740	96670	96240	1.70	8.0	21.3	
5	1.492	6	0.747	0.44	0.438	15.60	21.02	78180	78530	105360	105840	1.50	8.0	18.8	
6	1.505	6	0.750	0.44	0.442	15.19	20.15	76130	75790	101020	100560	1.50	8.0	18.8	
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Witnessed By: Sohaib Ali, Sub Engineer (NESPAK)

BEND TEST:

# 6	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	
# 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

Abdullah Khan Architect,
CIMS, Site Office, DHAB

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

Client Reference: SRE/KB/01/CIMS/Site/Lab

SOM Lab

Ref: 5107(Page-1/3)

Dated: 30-10-2020

Dated: 06-10-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Kamran 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	2.661	8	0.998	0.79	0.782	25.50	35.47	71200	71930	99030	100050	1.20	8.0	15.0	
2	2.625	8	0.991	0.79	0.771	24.49	34.68	68360	70040	96820	99200	1.40	8.0	17.5	
3	1.448	6	0.736	0.44	0.426	16.41	22.31	82260	84970	111850	115520	1.00	8.0	12.5	
4	1.484	6	0.745	0.44	0.436	12.33	18.30	61830	62390	91720	92560	1.20	8.0	15.0	
5	0.657	4	0.496	0.20	0.193	5.73	8.33	63180	65470	91840	95170	1.30	8.0	16.3	
6	0.668	4	0.500	0.20	0.196	5.63	7.90	62050	63320	87120	88900	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

Abdullah Khan Architect,
CIMS, Site Office, DHAB

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

Client Reference: SRE/KB/01/CIMS/Site/Lab

SOM Lab

Ref: 5107(Page-2/3)

Dated: 25-09-2020

Dated: 06-10-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Kamran 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	2.609	8	0.988	0.79	0.767	25.76	37.46	71920	74070	104580	107720	1.10	8.0	13.8	
2	2.630	8	0.992	0.79	0.773	25.43	37.41	71000	72570	104440	106740	1.30	8.0	16.3	
3	1.483	6	0.745	0.44	0.436	13.37	19.98	67040	67650	100150	101070	1.20	8.0	15.0	
4	1.487	6	0.746	0.44	0.437	13.27	20.03	66530	66980	100400	101090	1.20	8.0	15.0	
5	0.660	4	0.497	0.20	0.194	6.19	8.18	68230	70340	90150	92940	1.10	8.0	13.8	
6	0.657	4	0.496	0.20	0.193	5.83	7.97	64300	66630	87910	91090	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

Abdullah Khan Architect,
CIMS, Site Office, DHAB

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

Client Reference: SRE/KB/01/CIMS/Site/Lab

SOM Lab

Ref: 5107(Page-3/3)

Dated: 19-10-2020

Dated: 06-10-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Kamran 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	2.678	8	1.001	0.79	0.787	25.35	35.34	70780	71050	98660	99040	1.00	8.0	12.5	
2	2.636	8	0.993	0.79	0.775	25.25	36.03	70490	71860	100600	102550	1.20	8.0	15.0	
3	1.511	6	0.752	0.44	0.444	12.08	18.55	60550	60000	92990	92160	1.10	8.0	13.8	
4	1.482	6	0.745	0.44	0.436	13.25	19.80	66430	67040	99230	100140	1.10	8.0	13.8	
5	0.656	4	0.496	0.20	0.193	6.17	8.18	68010	70480	90150	93420	1.20	8.0	15.0	
6	0.667	4	0.500	0.20	0.196	6.39	8.61	70480	71920	94990	96930	1.10	8.0	13.8	
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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

Syed Zahid Hussain
Resident Engineer, AZ Engineering Associates, Gujrat Residency

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: RE AZEA/GT-234

Dated: 05-10-2021

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 5108 (Page-1/1)

Dated: 06-10-2021

ASTM-A-615

Deformed Bar (JS 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	2.665	8	0.998	0.79	0.783	25.91	34.96	72340	72990	97610	98480	1.30	8.0	16.3	
2	2.661	8	0.998	0.79	0.782	25.96	34.96	72480	73230	97610	98610	1.50	8.0	18.8	
3	1.483	6	0.745	0.44	0.436	14.75	19.18	73940	74610	96160	97040	1.30	8.0	16.3	
4	1.480	6	0.744	0.44	0.435	14.65	19.03	73430	74270	95400	96490	1.40	8.0	17.5	
5	1.064	5	0.631	0.31	0.313	11.93	14.70	84850	84040	104580	103580	1.20	8.0	15.0	
6	1.061	5	0.630	0.31	0.312	11.82	14.58	84130	83590	103710	103040	1.20	8.0	15.0	
7	0.659	4	0.497	0.20	0.194	6.68	9.09	73630	75910	100270	103370	1.00	8.0	12.5	
8	0.660	4	0.497	0.20	0.194	6.73	9.12	74190	76490	100610	103720	1.10	8.0	13.8	
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BEND TEST:

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

