

Javaid Akhter Faiz

Test Performed By:

Dr. /Engr.

Wasim Abbas

Lab In Charge CMEC Haveli Bahadur Shah.(Const Of 1263MW Punjab Thermal Poer Plant,Jhang)

Client Reference: CMEC/UET/24092501

Dated:

Nil

SOM Lab Ref: CED/SOM/4888(Page-1/2)

Dated:

30-09-2024

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 <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	4.920	28	28.26	616	627	293.70	411.50	477	469	668	657	35.0	200	17.5	H # 12
2	4.902	28	28.20	616	624	290.00	407.50	471	465	662	653	32.5	200	16.3	H # 12
3	4.022	25	25.54	491	512	243.00	340.00	495	475	693	664	32.5	200	16.3	H # 42
4	4.017	25	25.52	491	512	241.70	340.20	492	473	693	665	37.5	200	18.8	H # 42
5	3.888	25	25.11	491	495	238.20	326.00	485	481	664	659	32.5	200	16.3	H # 42
6	3.881	25	25.09	491	494	238.70	327.20	486	483	667	662	35.0	200	17.5	H # 42
7	2.457	20	19.96	314	313	159.70	218.70	508	511	696	699	32.5	200	16.3	H # 25
8	2.456	20	19.96	314	313	165.70	224.50	527	530	715	718	32.5	200	16.3	H # 25
9	2.427	20	19.84	314	309	156.20	211.50	497	506	673	685	30.0	200	15.0	H # 25
10	2.415	20	19.79	314	308	151.00	210.50	481	491	670	685	32.5	200	16.3	H # 25

**BEND TEST:**

28mm	Sample bend through 180 degrees Satisfactorily without any crack	<p><b>Note:-</b></p> <p>Only Fifteen Samples Received and Tested</p>
25mm	Sample bend through 180 degrees Satisfactorily without any crack	
25mm	Sample bend through 180 degrees Satisfactorily without any crack	
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
20mm	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](http://www.uet-civil.edu.pk)

Javaid Akhter Faiz

Test Performed By:

Dr. /Engr.

Wasim Abbas

Lab In Charge CMEC Haveli Bahadur Shah.(Const Of 1263MW Punjab Thermal Poer Plant,Jhang)

Client Reference: CMEC/UET/24092502

Dated:

Nil

SOM Lab Ref: CED/SOM/4888(Page-2/2)

Dated:

30-09-2024

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 <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	0.903	12	12.10	113	115	51.70	72.00	457	450	637	627	30.0	200	15.0	H # 30
2	0.909	12	12.14	113	116	52.70	72.00	466	456	637	622	37.5	200	18.8	H # 30
3	0.880	12	11.95	113	112	55.50	76.20	491	496	674	680	35.0	200	17.5	H # 30
4	0.892	12	12.03	113	114	58.70	76.70	519	517	678	676	32.5	200	16.3	H # 30
5	0.881	12	11.96	113	112	59.20	80.20	523	528	709	715	32.5	200	16.3	H # 30
6	0.883	12	11.97	113	112	59.00	80.50	522	525	712	716	30.0	200	15.0	H # 30
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**BEND TEST:**

12mm	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Nine Samples Received and Tested
12mm	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](http://www.uet-civil.edu.pk)

Tariq Fateh

Test Performed By: Dr. /Engr. Kashif

PM Jilani Poly Industries (Pvt) Ltd.(Const Of Jilani Poly-2 Trap Exetension Sheikhpura)

Client Reference: JP-2/UET/2023/S-002

SOM Lab 4889 (Page-1/1)

Dated: 30-09-2024

Dated: 30-09-2024

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.629	8	0.992	0.79	0.773	26.50	35.19	73990	75620	98240	100400	1.20	8.0	15.0	
2	2.619	8	0.990	0.79	0.770	27.12	35.85	75700	77670	100090	102690	1.20	8.0	15.0	
3	1.432	6	0.732	0.44	0.421	14.98	19.67	75110	78500	98610	103060	1.10	8.0	13.8	
4	1.499	6	0.749	0.44	0.441	15.44	20.18	77410	77240	101170	100940	1.00	8.0	12.5	
5	0.650	4	0.493	0.20	0.191	7.16	8.69	78910	82630	95770	100290	1.00	8.0	12.5	
6	0.595	4	0.472	0.20	0.175	6.30	7.72	69470	79390	85100	97250	1.10	8.0	13.8	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  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](http://www.uet-civil.edu.pk)

Muhammad Mubeen Khan  
Sr. Project Manager AAA Partnership Pvt. Ltd.(JDW Tower Lahore)

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

**Client Reference:** AAA/RO/MMK/108/2024

**SOM Lab Ref:** 4890 (Page-1/1)

**Dated:** 30-09-2024

**Dated:** 30-08-2024

**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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.664	8	0.998	0.79	0.783	24.59	34.25	68640	69260	95620	96470	1.60	8.0	20.0	
2	2.657	8	0.997	0.79	0.781	25.71	34.56	71770	72600	96470	97590	1.50	8.0	18.8	
3	1.506	6	0.751	0.44	0.443	14.44	19.16	72400	71910	96060	95410	1.30	8.0	16.3	
4	1.508	6	0.751	0.44	0.443	14.90	19.37	74700	74200	97080	96420	1.50	8.0	18.8	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Six Samples Received and Tested
# 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](http://www.uet-civil.edu.pk)

Mazhar Abbas

Test Performed By: Dr. /Engr. Wasim Abbas

PM Renaissance Internation,(Const Of RCC Drain at Block U LMC Project,Skp Road,Lahore)

Client Reference: QC/24/065

SOM Lab 4891 (Page-1/1)

Dated: 25-09-2024

Dated: 30-09-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Sheikhoo 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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.656	4	0.496	0.20	0.193	6.57	8.58	72510	75140	94650	98080	1.30	8.0	16.3	
2	0.661	4	0.497	0.20	0.194	6.60	8.66	72730	74980	95550	98500	1.20	8.0	15.0	
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**BEND TEST:**

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

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Muahmmad Siddique  
 Head QA/AC AL-A`ZAMIYYA BLOCK PHASE I Lahore.

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

**Client Reference:** Alz./ST/010

**SOM Lab Ref:** 4892 (Page-1/1)

**Dated:** 30-09-2024

**Dated:** 30-09-2024

**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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.659	8	0.997	0.79	0.781	24.16	32.82	67450	68220	91640	92690	1.50	8.0	18.8	
2	2.654	8	0.997	0.79	0.780	24.11	32.67	67310	68170	91210	92380	1.60	8.0	20.0	
3	0.665	4	0.498	0.20	0.195	6.27	8.48	69130	70910	93530	95920	1.40	8.0	17.5	
4	0.668	4	0.500	0.20	0.196	6.27	8.51	69130	70540	93860	95780	1.40	8.0	17.5	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  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](http://www.uet-civil.edu.pk)

Tariq Fateh

Test Performed By: Dr. /Engr. Kashif

PM Jilani Poly Industries (Pvt) Ltd.(Const Of Jilani Poly-2 Trap Exetension Sheikhpora)

Client Reference: JP-2/UET/2023/S-007

SOM Lab 4893 (Page-1/1)

Dated: 30-09-2024

Dated: 30-09-2024

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Markhor 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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.633	8	0.993	0.79	0.774	23.90	33.74	66740	68120	94200	96140	1.50	8.0	18.8	
2	2.604	8	0.987	0.79	0.765	22.22	32.39	62040	64070	90410	93370	1.50	8.0	18.8	
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**BEND TEST:**

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

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Sub Divisional officer,

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

HSD Pindi Bhattian.(Special Repair of Road From Tibba Shah Behlol To Sahooke Sarganay)

**Client Reference:** 250/PB

**SOM Lab Ref:** 4894(Page-1/1)

**Dated:** 05-07-2024

**Dated:** 30-09-2024

**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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.669	4	0.501	0.20	0.197	6.37	8.79	70260	71330	96900	98370	1.00	8.0	12.5	
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**BEND TEST:**

--	No Bend test performed	<b>Note:-</b>  Only Two Samples Received and Tested

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)