

Aamir Shahzad Alvi

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

PM High-Q Constructions Lhr.(Const Of High-Q Mall at 3-A Gulberg II Lahore)

Client Reference: QC/HQ/CIVIL/96

Dated: 05-05-2023

SOM Lab Ref: CED/SOM/2163(Page-1/1)

Dated: 08-05-2023

Test: Tension Test &amp; Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar

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	3.965	25	25.36	491	505	237.20	325.00	483	470	662	644	35.0	200	17.5	
2	3.877	25	25.08	491	494	236.70	348.20	482	480	709	706	32.5	200	16.3	
3	2.161	20	18.72	314	275	151.00	192.00	481	549	611	698	32.5	200	16.3	
4	2.140	20	18.63	314	273	145.70	187.00	464	535	595	686	30.0	200	15.0	
5	0.879	12	11.94	113	112	62.00	76.00	548	554	672	679	20.0	200	10.0	
6	0.886	12	11.99	113	113	58.20	76.70	515	516	678	680	22.5	200	11.3	
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**BEND TEST:**

25mm Sample bend through 180 degrees Satisfactorily without any crack

20mm Sample bend through 180 degrees Satisfactorily without any crack

12mm Sample bend through 180 degrees Satisfactorily without any crack

**Note:-**Only Nine Samples  
Received and TestedNote: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Sheikhoo Steel

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

Chief Tech Officer, Sheikhoo Sugar Mills (Steel Div), Anwar Abad Kot Addu, Muzaffargarh.

**Client Reference:** Nil

**Dated:** 08-05-2023

**SOM Lab Ref:** CED/SOM/2164(Page-1/1)

**Dated:** 09-05-2023

**Test:** Tension Test & Bend Test

**Test Specification:** ASTM-A 615

**Sample Type:** Deformed Bar (Sheikhoo 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	0.876	12	11.94	113	112	54.20	69.70	479	484	616	623	35.0	200	17.5	
2	0.883	12	11.97	113	112	51.70	70.00	457	460	619	623	37.5	200	18.8	
3	0.876	12	11.92	113	112	52.20	70.50	462	468	623	632	27.5	200	13.8	
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**BEND TEST:**

--	No Bend test performed	<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)

Gujjar Construction Company  
 PM GCC Lahore.(Const Of Safari Villas Bahria Town Lahore)

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

**Client Reference:** GCC-BO-UET-2023-05-LTR-124

**SOM Lab**

**Ref:** 2159 (Page-1/1)

**Dated:** 09-05-2023

**Dated:** 09-05-2023

**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	1.451	6	0.736	0.44	0.426	13.81	18.60	69240	71510	93250	96310	1.50	8.0	18.8	
2	0.672	4	0.501	0.20	0.197	7.05	9.55	77790	78970	105330	106930	1.40	8.0	17.5	
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**BEND TEST:**

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

Ehsan-Ullah-Saad

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

PM Zaheer Associate (AR Developers).(Mosque In M-Block of Al-Rehman Garden Ph-II Lhr)

**Client Reference:** Z.A/A.R/32-23

**SOM Lab**

**Ref:** 2160 (Page-1/1)

**Dated:** 08-05-2023

**Dated:** 09-05-2023

**Test:** Tension Test & Bend Test

**Test Specification:** ASTM-A-615

**Gauge Length:** 8 inch

**Sample Type:** Deformed Bar (Mehboob 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	2.648	8	0.995	0.79	0.778	25.69	34.81	71720	72820	97190	98680	1.40	8.0	17.5	
2	2.658	8	0.997	0.79	0.781	25.69	34.71	71720	72540	96900	98020	1.30	8.0	16.3	
3	1.497	6	0.748	0.44	0.440	16.72	20.82	83800	83800	104340	104340	0.90	8.0	11.3	
4	1.500	6	0.749	0.44	0.441	16.36	20.25	82010	81820	101530	101300	0.80	8.0	10.0	
5	0.667	4	0.500	0.20	0.196	6.12	8.15	67450	68820	89930	91760	1.00	8.0	12.5	
6	0.673	4	0.502	0.20	0.198	6.01	8.15	66320	66990	89930	90840	1.00	8.0	12.5	
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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)

Ehsan-Ullah-Saad

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

PM Zaheer Associate (AR Developers).(Const Of VR CULVERT RD-117 Al-Rehman Garden Ph-VII)

Client Reference: Z.A/A.R/31-23

SOM Lab

Ref: 2161 (Page-1/1)

Dated: 08-05-2023

Dated: 09-05-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Mehboob 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	1.499	6	0.749	0.44	0.441	15.04	19.59	75370	75200	98210	97980	1.40	8.0	17.5	
2	1.499	6	0.749	0.44	0.441	13.78	19.01	69080	68930	95290	95080	1.30	8.0	16.3	
3	1.030	5	0.621	0.31	0.303	11.57	14.17	82310	84220	100810	103140	1.10	8.0	13.8	
4	1.019	5	0.617	0.31	0.299	11.28	13.91	80280	83240	98990	102640	1.10	8.0	13.8	
5	0.658	4	0.496	0.20	0.193	6.52	8.43	71940	74550	92960	96340	1.10	8.0	13.8	
6	0.666	4	0.500	0.20	0.196	6.83	8.72	75320	76850	96110	98070	1.00	8.0	12.5	
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**BEND TEST:**

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

University Of Education

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

Engr Women Uni D.G.Khan.(Const of Academic Block at Uni Of education D.G.Khan Sub Campus)

Client Reference: WU/UEDGK/2023/740

SOM Lab

Ref: 2162 (Page-1/1)

Dated: 08-05-2023

Dated: 08-05-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Kisan 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	2.517	8	0.971	0.79	0.740	19.83	31.47	55350	59090	87850	93790	1.20	8.0	15.0	
2	1.522	6	0.754	0.44	0.447	14.90	20.03	74700	73530	100400	98830	1.20	8.0	15.0	
3	0.666	4	0.500	0.20	0.196	5.71	8.18	62950	64240	90150	91990	1.00	8.0	12.5	
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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
# 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)

Engr. Muhammad mohsin  
Site Engr. S.Mehboob & Company Lahore.

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

**Client Reference:** SMC/CarreFour/Lhr/DHA11/02

**SOM Lab**

**Ref:** 2165 (Page-2/2)

**Dated:** 08-05-2023

**Dated:** 09-05-2023

**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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.628	8	0.991	0.79	0.772	23.55	32.95	65740	67270	91980	94120	1.20	8.0	15.0	
2	2.632	8	0.992	0.79	0.773	23.36	32.79	65230	66660	91550	93560	1.40	8.0	17.5	
3	2.631	8	0.992	0.79	0.773	23.11	32.62	64520	65940	91070	93070	1.40	8.0	17.5	
4	1.468	6	0.741	0.44	0.431	12.10	18.06	60650	61920	90540	92430	1.50	8.0	18.8	
5	1.479	6	0.744	0.44	0.435	12.10	18.14	60650	61350	90950	92000	1.50	8.0	18.8	
6	1.471	6	0.742	0.44	0.432	12.03	18.14	60290	61410	90950	92630	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 Eight 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)

Engr. Muhammad mohsin  
Site Engr. S.Mehboob & Company Lahore.

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

**Client Reference:** 2243-SMC/CarreFour/Lhr/DHA7/01

**SOM Lab**

**Ref:** 2165 (Page-1/2)

**Dated:** 08-05-2023

**Dated:** 09-05-2023

**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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.677	8	1.001	0.79	0.787	22.09	31.65	61670	61910	88360	88700	1.00	8.0	12.5	
2	2.650	8	0.996	0.79	0.779	22.14	33.56	61810	62690	93680	95010	1.40	8.0	17.5	
3	2.635	8	0.993	0.79	0.774	22.29	32.33	62240	63530	90270	92140	1.20	8.0	15.0	
4	1.498	6	0.748	0.44	0.440	12.86	18.65	64480	64480	93510	93510	1.20	8.0	15.0	
5	1.488	6	0.746	0.44	0.437	12.93	18.67	64790	65240	93610	94250	1.30	8.0	16.3	
6	1.508	6	0.751	0.44	0.443	13.56	18.60	67960	67500	93250	92620	1.20	8.0	15.0	
7	0.671	4	0.501	0.20	0.197	6.37	8.56	70260	71330	94420	95860	1.30	8.0	16.3	
8	0.664	4	0.498	0.20	0.195	6.44	8.63	71040	72870	95210	97650	1.20	8.0	15.0	
9	0.672	4	0.501	0.20	0.197	6.01	8.26	66320	67330	91050	92440	1.00	8.0	12.5	
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**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  Only Twelve 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 Tahir Saleem

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

PM Rizwan Associate Lhr.(Const Of Regional Nuclear Safety Insp-VI Office Bldg at Johar Town Lhr)

Client Reference: Nil

SOM Lab

Ref: 2166 (Page-1/1)

Dated: 08-05-2023

Dated: 09-05-2023

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	2.632	8	0.992	0.79	0.773	27.44	34.63	76610	78300	96670	98800	1.30	8.0	16.3	
2	2.646	8	0.995	0.79	0.778	27.39	35.02	76470	77650	97750	99260	1.20	8.0	15.0	
3	1.543	6	0.759	0.44	0.453	15.34	18.55	76900	74690	92990	90330	1.40	8.0	17.5	
4	1.534	6	0.758	0.44	0.451	15.01	18.45	75210	73380	92480	90230	1.30	8.0	16.3	
5	0.668	4	0.500	0.20	0.196	6.47	8.82	71380	72840	97230	99220	1.30	8.0	16.3	
6	0.672	4	0.501	0.20	0.197	6.52	8.63	71940	73040	95210	96660	1.30	8.0	16.3	
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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)

Meezan Decelopers  
Lahore.(Const of Jamia tur Rasheed Lahore Campus)

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

Client Reference: Nil

SOM Lab

Ref: 2167 (Page-1/1)

Dated: 09-05-2023

Dated: 09-05-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.497	6	0.748	0.44	0.440	14.19	17.99	71130	71130	90180	90180	1.30	8.0	16.3	
2	1.494	6	0.748	0.44	0.439	13.99	17.94	70100	70260	89930	90130	1.30	8.0	16.3	
3	0.668	4	0.500	0.20	0.196	7.21	8.77	79470	81100	96670	98650	1.20	8.0	15.0	
4	0.672	4	0.501	0.20	0.197	7.05	8.66	77790	78970	95550	97000	1.10	8.0	13.8	
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**BEND TEST:**

# 6	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)

PRIME STEEL Re-Rolling Mills  
Sheikhupura.

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

Client Reference: Nil

SOM Lab

Ref: 2168 (Page-1/1)

Dated: 09-05-2023

Dated: 09-05-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Prime Steel Skp)

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	1.452	6	0.737	0.44	0.427	10.47	15.80	52480	54070	79200	81610	1.50	8.0	18.8	1
2	1.437	6	0.733	0.44	0.422	10.42	15.92	52220	54450	79810	83220	1.40	8.0	17.5	2
3	1.415	6	0.728	0.44	0.416	10.14	15.41	50840	53780	77260	81710	1.40	8.0	17.5	3
4	1.050	5	0.627	0.31	0.309	8.07	11.85	57440	57630	84270	84540	1.60	8.0	20.0	4
5	0.658	4	0.496	0.20	0.193	4.91	7.10	54180	56150	78350	81190	1.60	8.0	20.0	5
6	0.673	4	0.502	0.20	0.198	4.96	7.19	54750	55300	79250	80050	1.50	8.0	18.8	6
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**BEND TEST:**

Sr.# (1-3)	Sample bend through 180 degrees Satisfactorily without any crack
Sr.# (4)	Sample bend through 180 degrees Satisfactorily without any crack
Sr.# (5-6)	Sample bend through 180 degrees Satisfactorily without any crack

**Note:-**  
Only Twelve 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)

Farrukh Jamal,PM

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

Unicon Consult.Serv.(Const Of Facilitation Centers For Day Scholar Girls at Uni Of Argiculture,Fsd)

**Client Reference:** Nil

**SOM Lab**

**Ref:** 2169 (Page-1/1)

**Dated:** 04-04-2023

**Dated:** 09-05-2023

**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	2.694	8	1.004	0.79	0.792	25.66	35.24	71630	71450	98380	98130	1.50	8.0	18.8	
2	2.684	8	1.002	0.79	0.789	25.35	34.88	70780	70870	97380	97510	1.50	8.0	18.8	
3	1.473	6	0.743	0.44	0.433	14.93	19.32	74860	76070	96830	98390	1.20	8.0	15.0	
4	1.467	6	0.741	0.44	0.431	14.95	19.49	74960	76520	97690	99730	1.40	8.0	17.5	
5	0.666	4	0.500	0.20	0.196	6.52	8.58	71940	73410	94650	96580	1.40	8.0	17.5	
6	0.671	4	0.501	0.20	0.197	6.65	8.63	73290	74410	95210	96660	1.30	8.0	16.3	
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**BEND TEST:**

--	No Bend test performed	<b>Note:-</b>  Only Six 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)

Ma Desheng

Test Performed By:

Dr. /Engr. Asad Ali Gillani

AR State Grid CEPET.(500KV MAIRA SWITCHING STATION)

Client Reference: CET/ADB-300B/23/166

SOM Lab

Ref: 2170 (Page-1/1)

Dated: 09-05-2023

Dated: 09-05-2023

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.628	8	0.991	0.79	0.772	25.03	33.79	69870	71500	94340	96540	1.50	8.0	18.8	
2	2.575	8	0.982	0.79	0.757	25.15	33.81	70210	73270	94400	98510	1.40	8.0	17.5	
3	1.493	6	0.748	0.44	0.439	12.44	18.42	62340	62480	92330	92540	1.50	8.0	18.8	
4	1.489	6	0.747	0.44	0.438	12.97	18.78	65000	65290	94120	94550	1.40	8.0	17.5	
5	0.669	4	0.501	0.20	0.197	5.98	8.18	65990	66990	90150	91530	1.30	8.0	16.3	
6	0.666	4	0.500	0.20	0.196	6.07	8.21	66890	68250	90490	92340	1.10	8.0	13.8	
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Witnessed By: Fayyaz Karimi (Barqaab Consultant), Ali Haseeb Shah (CET Engineer)

**BEND TEST:**

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

