Kashmir Art & Steel
UET/REP/01

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

Client Reference: UET/RR01/21 **Dated:** 28-01-2021
SOM Lab Ref: CED/SOM/3739(Page-1/1) **Dated:** 28-01-2021
Test: Tension 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^2	mm^2	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.822	6	24.90	#N/A	487	237.00	345.70	#N/A	487	#N/A	710	37.5	200	18.8	
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BEND TEST:

--	No Bend test performed

Note:-

Only One Sample Received and Tested

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

Muhammad Khalid Zaman **Test Performed By:** **Dr. /Engr.** S Asad Ali Gillani

Resident Engineer, Engineering Consultancy Services Punjab (Pvt) Ltd. Lahore

Client Reference: ECSP/PAPA/CZ-CJ-2 **Dated:** 13-01-2021

SOM Lab Ref: CED/SOM/3745 (Page-1/1) **Dated:** 28-01-2021

Test: Tension Test & 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^2	mm^2	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	4.005	25	25.48	491	510	263.50	364.50	537	517	743	715	32.5	200	16.3	
2	4.010	25	25.50	491	511	324.00	415.70	660	635	847	814	35.0	200	17.5	
3	2.177	19	18.79	284	277	148.70	192.70	524	537	680	695	32.5	200	16.3	
4	2.177	19	18.79	284	277	157.70	197.50	556	569	697	713	30.0	200	15.0	
5	1.018	12	12.85	113	130	73.50	97.50	650	567	862	752	25.0	200	12.5	
6	1.051	12	13.06	113	134	59.00	83.70	522	441	740	625	30.0	200	15.0	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack
19mm	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 Tested

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

Sub Divisional Officer
Buildings Sub Division, Pattoki

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

Client Reference: 3351/P
Dated: 20-01-2021

SOM Lab Ref: 3726(Page-1/3)
Dated: 28-01-2021

Test: Tension Test
Gauge Length: 8 inch

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	1.480	6	0.744	0.44	0.435	12.08	18.67	60550	61250	93610	94680	1.40	8.0	17.5	
2	1.485	6	0.745	0.44	0.436	12.08	18.67	60550	61110	93610	94470	1.50	8.0	18.8	
3	0.660	4	0.497	0.20	0.194	5.52	8.00	60930	62810	88240	90970	1.60	8.0	20.0	
4	0.656	4	0.496	0.20	0.193	5.61	8.15	61830	64070	89930	93190	1.60	8.0	20.0	
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BEND TEST:

--	No Bend test performed

Note:-

Only Four Samples Received and Tested

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

Sub Divisional Officer
Buildings Sub Division, Kasur

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

Client Reference: 13-
Dated: 20-01-2021

SOM Lab Ref: 3726(Page-2/3)
Dated: 28-01-2021

Test: Tension Test
Gauge Length: 8 inch

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	1.495	6	0.748	0.44	0.439	11.88	18.52	59530	59660	92840	93050	1.30	8.0	16.3	
2	1.499	6	0.749	0.44	0.441	11.69	18.42	58610	58480	92330	92120	1.40	8.0	17.5	
3	0.664	4	0.498	0.20	0.195	5.42	7.95	59800	61340	87680	89930	1.50	8.0	18.8	
4	0.657	4	0.496	0.20	0.193	5.71	8.28	62950	65230	91280	94590	1.60	8.0	20.0	
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BEND TEST:

--	No Bend test performed

Note:-

Only Four Samples Received and Tested

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

Sub Divisional Officer
Buildings Sub Division, Kasur

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

Client Reference: 18-
Dated: 23-01-2021

SOM Lab Ref: 3726(Page-3/3)
Dated: 28-01-2021

Test: Tension Test
Gauge Length: 8 inch

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	1.504	6	0.750	0.44	0.442	12.05	18.55	60400	60120	92990	92570	1.10	8.0	13.8	
2	1.499	6	0.749	0.44	0.441	11.90	18.32	59630	59500	91820	91610	1.40	8.0	17.5	
3	0.662	4	0.498	0.20	0.195	4.99	7.41	55080	56500	81720	83820	1.60	8.0	20.0	
4	0.654	4	0.494	0.20	0.192	5.50	8.03	60700	63230	88580	92270	1.40	8.0	17.5	
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BEND TEST:

--	No Bend test performed

Note:-

Only Four Samples Received and Tested

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

Muhammad Shahbaz
Imperium Hospitality (Pvt) Ltd. Lahore

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

Client Reference: IHPL.Steel/051
Dated: 26-01-2021

SOM Lab Ref: 3728(Page-1/1)
Dated: 27-01-2021

Test: Tension Test & Bend Test
Gauge Length: 8 inch

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	0.670	4	0.501	0.20	0.197	5.77	8.63	63630	64590	95210	96660	1.00	8.0	12.5	
2	0.654	4	0.494	0.20	0.192	5.63	8.63	62050	64640	95210	99180	1.00	8.0	12.5	
3	0.665	4	0.498	0.20	0.195	5.61	8.46	61830	63410	93300	95690	1.10	8.0	13.8	
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BEND TEST:

# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Four Samples Received and Tested

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

Muhammad Shahbaz
Imperium Hospitality (Pvt) Ltd. Lahore

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

Client Reference: IHPL.Steel/052
Dated: 26-01-2021

SOM Lab Ref: 3729(Page-1/1)
Dated: 27-01-2021

Test: Tension Test & Bend Test
Gauge Length: 8 inch

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	2.646	8	0.995	0.79	0.778	23.62	34.63	65940	66960	96670	98160	1.00	8.0	12.5	
2	2.649	8	0.995	0.79	0.778	22.29	34.42	62240	63200	96100	97590	1.10	8.0	13.8	
3	2.770	8	1.018	0.79	0.814	22.50	34.32	62810	60960	95820	92990	1.10	8.0	13.8	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Four Samples Received and Tested

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

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

Resident Engineer, NESPAK JV Turk Pak, Proj: Establishment of D. G. Khan Insitute of Cardilogy

Client Reference: 4161/RE/SFMKB/DGK/200 **SOM Lab Ref:** 3730(Page-2/3)

Dated: 26-01-2021 **Dated:** 28-01-2021

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	2.609	8	0.988	0.79	0.767	27.01	37.13	75420	77680	103640	106750	1.40	8.0	17.5	
2	2.671	8	1.000	0.79	0.785	26.71	36.80	74560	75040	102730	103390	1.40	8.0	17.5	
3	1.488	6	0.746	0.44	0.437	15.29	20.56	76640	77170	103060	103770	1.10	8.0	13.8	
4	1.502	6	0.749	0.44	0.441	15.29	20.69	76640	76470	103720	103490	1.10	8.0	13.8	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack
# 6	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples Received and Tested

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

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

Resident Engineer, NESPAK JV Turk Pak, Proj: Establishment of D. G. Khan Insitute of Cardilogy

Client Reference: 4161/RE/SFMKB/DGK/199 **SOM Lab Ref:** 3730(Page-1/3)

Dated: 26-01-2021 **Dated:** 28-01-2021

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	2.639	8	0.994	0.79	0.776	26.10	34.68	72850	74170	96820	98560	1.30	8.0	16.3	
2	2.637	8	0.993	0.79	0.775	26.50	35.27	73990	75420	98470	100370	1.40	8.0	17.5	
3	1.490	6	0.747	0.44	0.438	14.27	19.42	71540	71860	97340	97780	1.40	8.0	17.5	
4	1.480	6	0.744	0.44	0.435	15.04	20.03	75370	76230	100400	101560	1.30	8.0	16.3	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack
# 6	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples Received and Tested

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

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

Resident Engineer, NESPAK JV Turk Pak, Proj: Establishment of D. G. Khan Insitute of Cardilogy

Client Reference: 4161/RE/SFMKB/DGK/201 **SOM Lab Ref:** 3730(Page-3/3)

Dated: 26-01-2021 **Dated:** 28-01-2021

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	2.637	8	0.993	0.79	0.775	27.01	36.49	75420	76880	101880	103850	1.40	8.0	17.5	
2	2.633	8	0.993	0.79	0.774	26.71	36.39	74560	76100	101600	103700	1.40	8.0	17.5	
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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

Syed Mohsin Ali
QA/QC, Department, Bahria Town, (Pvt) Ltd Lahore

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

Client Reference: QA/QC-Steel-2235
Dated: 28-01-2021

SOM Lab Ref: 3736(Page-1/1)
Dated: 28-01-2021

Test: Tension Test & Bend Test
Gauge Length: 8 inch

Test Specification: ASTM-A-615
Sample Type: Deformed Bar(Ittefaq 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	2.614	8	0.989	0.79	0.768	25.25	32.57	70490	72510	90920	93530	1.30	8.0	16.3	
2	2.633	8	0.993	0.79	0.774	30.28	37.28	84520	86270	104070	106220	1.00	8.0	12.5	
3	1.506	6	0.751	0.44	0.443	15.19	19.57	76130	75620	98100	97440	0.90	8.0	11.3	
4	1.510	6	0.752	0.44	0.444	15.49	19.98	77670	76970	100150	99250	1.00	8.0	12.5	
5	0.663	4	0.498	0.20	0.195	6.78	10.09	74750	76670	111290	114140	1.30	8.0	16.3	
6	0.703	4	0.513	0.20	0.207	6.42	9.58	70820	68430	105670	102090	1.10	8.0	13.8	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack
# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Nine Samples Received and Tested

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

Abdul Ghafar
Project Manager Liberty Builders, Lahore

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

Client Reference: ST/UET/ 20210128-3
Dated: 28-01-2021

SOM Lab Ref: 3731(Page-1/1)
Dated: 28-01-2021

Test: Tension Test & Bend Test
Gauge Length: 8 inch

Test Specification: ASTM-A-615
Sample Type: Deformed Bar(Batala Premium)

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	2.619	8	0.990	0.79	0.770	24.06	35.73	67160	68910	99750	102340	1.10	8.0	13.8	
2	2.622	8	0.991	0.79	0.771	24.77	35.02	69160	70860	97750	100160	1.10	8.0	13.8	
3	2.596	8	0.986	0.79	0.763	23.45	35.17	65460	67770	98180	101660	1.10	8.0	13.8	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Four 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.** S. Asad Ali Gillani

Client Reference: Nil
Dated: 28-01-2021

SOM Lab Ref: 3732(Page-1/1)
Dated: 28-01-2021

Test: Tension Test & Bend Test
Gauge Length: 8 inch

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	2.662	8	0.998	0.79	0.782	24.16	35.32	67450	68140	98610	99620	1.40	8.0	17.5	
2	2.675	8	1.000	0.79	0.786	24.46	36.19	68300	68650	101030	101540	1.40	8.0	17.5	
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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

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

Site Engineer, (ZCC) Zikria Construction Company, Lahore,

Client Reference: nil **SOM Lab Ref:** 3733Page-2/3)

Dated: 28-01-2021 **Dated:** 28-01-2021

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	1.515	6	0.753	0.44	0.445	13.35	18.45	66940	66180	92480	91440	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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BEND TEST:

# 6	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

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

Site Engineer, (ZCC) Zikria Construction Company, Lahore,

Client Reference: nil **SOM Lab Ref:** 3733Page-1/3)

Dated: 28-01-2021 **Dated:** 28-01-2021

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	6.75	9.28	74420	75550	102290	103850	1.00	8.0	12.5	
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BEND TEST:

# 4	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

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

Site Engineer, (ZCC) Zikria Construction Company, Lahore,

Client Reference: nil **SOM Lab Ref:** 3734(Page-1/3)

Dated: 28-01-2021 **Dated:** 28-01-2021

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	2.543	8	0.975	0.79	0.747	22.02	30.78	61470	65010	85940	90890	1.70	8.0	21.3	
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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

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

Site Engineer, (ZCC) Zikria Construction Company, Lahore,

Client Reference: nil **SOM Lab Ref:** 3734(Page-1/3)

Dated: 28-01-2021 **Dated:** 28-01-2021

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	2.543	8	0.975	0.79	0.747	22.02	30.78	61470	65010	85940	90890	1.70	8.0	21.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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

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

Site Engineer, (ZCC) Zikria Construction Company, Lahore,

Client Reference: nil **SOM Lab Ref:** 3734(Page-2/3)

Dated: 28-01-2021 **Dated:** 28-01-2021

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	1.528	6	0.756	0.44	0.449	13.43	18.47	67290	65950	92590	90730	1.50	8.0	18.8	
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BEND TEST:

# 6	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

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

Site Engineer, (ZCC) Zikria Construction Company, Lahore,

Client Reference: nil **SOM Lab Ref:** 3734(Page-3/3)

Dated: 28-01-2021 **Dated:** 28-01-2021

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	0.670	4	0.501	0.20	0.197	6.80	9.28	74980	76120	102290	103850	1.00	8.0	12.5	
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BEND TEST:

# 4	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

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

Project Manager, Maypole Lime Light Pvt. Ltd (Project: Maypole Lime Light(Printing Mill))

Client Reference: MLL-19 **SOM Lab Ref:** 3735(Page-1/1)

Dated: 28-01-2021 **Dated:** 28-01-2021

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	2.711	8	1.007	0.79	0.797	27.42	35.65	76550	75880	99520	98640	1.50	8.0	18.8	
2	2.672	8	1.000	0.79	0.785	24.62	32.23	68730	69170	89990	90560	1.40	8.0	17.5	
3	0.605	4	0.476	0.20	0.178	6.29	7.54	69360	77930	83180	93460	1.20	8.0	15.0	
4	0.603	4	0.475	0.20	0.177	6.52	7.72	71940	81290	85100	96150	1.40	8.0	17.5	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples Received and Tested

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

Syed Mohsin Ali
QA/QC, Department, Bahria Town, (Pvt) Ltd Lahore

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

Client Reference: QA/QC-Steel-2235
Dated: 28-01-2021

SOM Lab Ref: 3736(Page-1/1)
Dated: 28-01-2021

Test: Tension Test & Bend Test
Gauge Length: 8 inch

Test Specification: ASTM-A-615
Sample Type: Deformed Bar(Ittefaq 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	2.614	8	0.989	0.79	0.768	25.25	32.57	70490	72510	90920	93530	1.30	8.0	16.3	
2	2.633	8	0.993	0.79	0.774	30.28	37.28	84520	86270	104070	106220	1.00	8.0	12.5	
3	1.506	6	0.751	0.44	0.443	15.19	19.57	76130	75620	98100	97440	0.90	8.0	11.3	
4	1.510	6	0.752	0.44	0.444	15.49	19.98	77670	76970	100150	99250	1.00	8.0	12.5	
5	0.663	4	0.498	0.20	0.195	6.78	10.09	74750	76670	111290	114140	1.30	8.0	16.3	
6	0.703	4	0.513	0.20	0.207	6.42	9.58	70820	68430	105670	102090	1.10	8.0	13.8	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack
# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Nine Samples Received and Tested

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

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

Manager Construction Projects, 3 & 4, Tipu Block New Garden Town, Allied Bank Head Office, Lahore

Client Reference: HOL/ENGG. C.P./SM/2020/19 **SOM Lab Ref:** 3737-3762 (Page-1/1)

Dated: 01-02-2021 **Dated:** 28-01-2021

Test: Tension Test & Bend Test **Test Specification:** ASTM-A-615

Gauge Length: 8 inch **Sample Type:** Deformed Bar (Naveena 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	2.603	8	0.987	0.79	0.765	25.15	32.54	70210	72500	90840	93810	1.40	8.0	17.5	
2	2.602	8	0.987	0.79	0.765	22.45	30.24	62670	64710	84440	87200	1.80	8.0	22.5	
3	1.677	6	0.792	0.44	0.493	18.78	22.22	94120	84000	111390	99410	1.00	8.0	12.5	
4	1.666	6	0.790	0.44	0.490	17.23	21.00	86350	77540	105260	94520	1.00	8.0	12.5	
5	1.050	5	0.627	0.31	0.309	10.65	13.40	75790	76030	95370	95680	1.20	8.0	15.0	
6	1.055	5	0.628	0.31	0.310	10.86	13.43	77240	77240	95510	95510	1.40	8.0	17.5	
7	0.585	4	0.468	0.20	0.172	5.66	7.16	62390	72550	78910	91760	1.10	8.0	13.8	
8	0.591	4	0.471	0.20	0.174	6.01	7.39	66320	76230	81500	93680	1.10	8.0	13.8	
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Witnessed By: Zaeem Ahmed, Lab Tech. AMCORP Eng. & Const

BEND TEST:

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

Only Nine Samples Received and Tested

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

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

Contractor's Representative, SA - RA Energy, Construction Trade and Industry Inc. Lahore

Client Reference: MIG/2021/74 **SOM Lab Ref:** 3738(Page-1/1)

Dated: 27-01-2021 **Dated:** 28-01-2021

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	2.665	8	0.998	0.79	0.783	29.05	35.07	81110	81830	97900	98770	1.50	8.0	18.8	
2	2.655	8	0.997	0.79	0.780	28.49	34.81	79540	80560	97190	98430	1.80	8.0	22.5	
3	2.689	8	1.003	0.79	0.790	29.66	35.83	82810	82810	100030	100030	1.50	8.0	18.8	
4	2.022	7	0.870	0.60	0.594	22.80	29.15	83820	84670	107160	108250	1.20	8.0	15.0	
5	2.061	7	0.878	0.60	0.606	24.87	30.94	91430	90520	113720	112590	1.00	8.0	12.5	
6	2.045	7	0.875	0.60	0.601	25.25	31.06	92810	92660	114170	113980	1.00	8.0	12.5	
7	1.469	6	0.742	0.44	0.432	13.76	18.71	68980	70260	93760	95500	1.60	8.0	20.0	
8	1.482	6	0.745	0.44	0.436	14.24	19.83	71380	72040	99380	100290	1.40	8.0	17.5	
9	1.498	6	0.748	0.44	0.440	15.19	20.66	76130	76130	103570	103570	1.50	8.0	18.8	
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Witnessed By: Zohaib Ali, Sub Engineer, NESPAK

BEND TEST:

# 8(Sr. 1&2)	Sample bend through 180 degrees Satisfactorily without any crack
# 8 (Sr 3)	Sample bend through 180 degrees Satisfactorily without any crack
# 7(Sr 4&5)	Sample bend through 180 degrees Satisfactorily without any crack
# 7(Sr. 6)	Sample bend through 180 degrees Satisfactorily without any crack
# 6(Sr7,8.9)	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Eighteen Samples Received and Tested

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

Shahid Builders (pvt) Ltd.
Lahore

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

Client Reference: SBL/2021/1
Dated: 28-01-2021

SOM Lab Ref: 3740 (Page-1/1)
Dated: 28-01-2021

Test: Tension Test & Bend Test
Gauge Length: 8 inch

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	2.665	8	0.998	0.79	0.783	24.82	36.26	69300	69920	101230	102130	1.60	8.0	20.0	
2	2.658	8	0.997	0.79	0.781	25.99	36.97	72570	73410	103220	104410	1.50	8.0	18.8	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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

Abdullah Hussain
Resident Engineer, NESPAK (Pvt) Ltd. Lahore

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

Client Reference: Nespak/SAH/ZKB-ReliableUET/003
Dated: 26-01-2021

SOM Lab Ref: 3741(Page-1/1)
Dated: 28-01-2021

Test: Tension Test & Bend Test
Guage Length: 8 inch

Test Specification: ASTM-A-615
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	2.635	8	0.993	0.79	0.774	26.06	36.67	72740	74240	102360	104480	1.30	8.0	16.3	
2	2.653	8	0.997	0.79	0.780	25.69	36.46	71720	72640	101800	103100	1.20	8.0	15.0	
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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