Lucky Cement **Test Performed By:** **Dr. /Engr.** Wasim Abbas

Manager (Civil), PEZU.(800 TPD Line-2 At Lucky Cement Ltd,PEZU)

Client Reference: LCL/Civil/Line-2/2022/01/515 **Dated:** 19-01-2022

SOM Lab Ref: CED/SOM/5718(Page-1/3) **Dated:** 21-01-2022

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

Sample Type: Deformed Bar (Naveena 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^2	mm^2	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.755	25	24.67	491	478	282.20	344.50	575	591	702	721	37.5	200	18.8	C-3263
2	3.755	25	24.68	491	478	287.00	353.70	585	600	721	740	35.0	200	17.5	C-3263
3	3.555	25	24.01	491	453	229.50	298.50	468	507	608	660	35.0	200	17.5	TLN-233
4	3.533	25	23.94	491	450	227.00	294.00	462	505	599	654	37.5	200	18.8	TLN-233
5	3.755	25	24.68	491	478	279.00	344.70	568	584	702	721	32.5	200	16.3	TLG-519
6	3.790	25	24.79	491	483	279.50	343.70	569	579	700	712	30.0	200	15.0	TLG-519
7	3.820	25	24.89	491	487	234.00	307.20	477	481	626	632	40.0	200	20.0	TMC-967
8	3.845	25	24.97	491	490	235.00	308.70	479	480	629	631	40.0	200	20.0	TMC-967
9	3.846	25	24.98	491	490	257.00	323.50	524	525	659	661	37.5	200	18.8	TLN-147
10	3.819	25	24.89	491	486	255.50	321.50	521	526	655	661	37.5	200	18.8	TLN-147

BEND TEST:

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

Note:-

Only Fifteen Samples Received and Tested

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

Lucky Cement **Test Performed By:** **Dr. /Engr.** Wasim Abbas

Manager (Civil), PEZU.(800 TPD Line-2 At Lucky Cement Ltd,PEZU)

Client Reference: LCL/Civil/Line-2/2022/01/515 **Dated:** 19-01-2022

SOM Lab Ref: CED/SOM/5718(Page-2/3) **Dated:** 21-01-2022

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

Sample Type: Deformed Bar (Naveena 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^2	mm^2	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.795	25	24.80	491	483	279.50	340.70	569	579	694	706	32.5	200	16.3	TFL-187
2	3.821	25	24.90	491	487	279.70	340.70	570	575	694	700	32.5	200	16.3	TFL-187
3	3.533	25	23.94	491	450	227.70	296.20	464	506	603	659	35.0	200	17.5	TLS-014
4	3.542	25	23.97	491	451	224.20	294.50	457	497	600	653	35.0	200	17.5	TLS-014
5	3.868	25	25.05	491	493	249.50	315.50	508	507	643	641	40.0	200	20.0	TLV-063
6	3.862	25	25.03	491	492	250.70	315.00	511	510	642	641	37.5	200	18.8	TLV-063
7	3.749	25	24.66	491	478	278.20	341.00	567	583	695	714	32.5	200	16.3	TLR-133
8	3.750	25	24.66	491	478	242.00	313.00	493	507	638	656	37.5	200	18.8	TLR-133
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BEND TEST:

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

Lucky Cement **Test Performed By:** **Dr. /Engr.** Wasim Abbas

Manager (Civil), PEZU.(800 TPD Line-2 At Lucky Cement Ltd,PEZU)

Client Reference: LCL/Civil/Line-2/2022/01/515 **Dated:** 19-01-2022

SOM Lab Ref: CED/SOM/5718(Page-3/3) **Dated:** 21-01-2022

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

Sample Type: Deformed Bar (Naveena 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^2	mm^2	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	2.470	20	20.03	314	315	176.50	225.50	562	561	718	716	32.5	200	16.3	GLT-9163
2	2.464	20	19.99	314	314	180.70	226.70	575	576	722	723	30.0	200	15.0	GLT-9163
3	1.567	16	15.94	201	200	104.20	131.20	518	523	653	658	32.5	200	16.3	TLC-142
4	1.567	16	15.94	201	200	101.70	130.70	506	510	650	655	30.0	200	15.0	TLC-142
5	0.884	12	11.97	113	113	67.70	80.70	599	602	714	717	25.0	200	12.5	TLD-785
6	0.887	12	12.00	113	113	58.20	73.50	515	516	650	651	25.0	200	12.5	TLD-785
7	0.911	12	12.16	113	116	70.70	84.00	625	610	743	724	22.5	200	11.3	TLG-305
8	0.918	12	12.20	113	117	69.50	82.70	615	595	731	708	25.0	200	12.5	TLG-305
9	0.896	12	12.05	113	114	60.00	75.00	531	526	663	658	25.0	200	12.5	TMA-237
10	0.896	12	12.05	113	114	58.70	74.50	519	515	659	653	22.5	200	11.3	TMA-237

BEND TEST:

20mm	Sample bend through 180 degrees Satisfactorily without any crack
16mm	Sample bend through 180 degrees Satisfactorily without any crack
12mm	Sample bend through 180 degrees Satisfactorily without any crack
12mm	Sample bend through 180 degrees Satisfactorily without any crack
12mm	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Fifteen Samples Received and Tested

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

Habib Ur Rehman Qaiser Lt.Col.(R) **Test Performed By:** **Dr. /Engr.** Wasim Abbas
PD GCC,Lahore.(Overseas Construction Co. (Pvt.) Ltd.)

Client Reference: Nil **Dated:** 21-01-2022
SOM Lab Ref: CED/SOM/5719(Page-1/1) **Dated:** 21-01-2022
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	3.793	25	24.80	491	483	227.70	300.20	464	472	612	622	42.5	200	21.3	
2	3.822	25	24.90	491	487	245.70	316.70	501	505	645	651	27.5	200	13.8	
3	1.008	12	12.79	113	128	66.20	79.20	585	516	700	617	25.0	200	12.5	
4	1.007	12	12.78	113	128	69.70	85.70	616	544	758	669	25.0	200	12.5	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack
12mm	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

Jaffar Hussain Randhawa **Test Performed By:** **Dr. /Engr.** Wasim Abbas

RE(ECSP).(Const. Of Flyover At Madni Chowk,Multan)

Client Reference: ECSP/MDA/MCF/59 **Dated:** 18-01-2022

SOM Lab Ref: CED/SOM/5721(Page-1/1) **Dated:** 21-01-2022

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^2	mm^2	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	2.512	20	20.19	314	320	156.00	222.50	497	488	708	696	32.5	200	16.3	
2	2.512	20	20.18	314	320	159.20	225.20	507	498	717	704	32.5	200	16.3	
3	1.580	16	16.01	201	201	96.20	131.00	478	478	652	651	32.5	200	16.3	
4	1.594	16	16.08	201	203	97.70	132.00	486	481	657	650	35.0	200	17.5	
5	0.891	12	12.02	113	114	56.50	78.70	500	498	696	694	27.5	200	13.8	
6	0.899	12	12.08	113	115	60.00	79.50	531	524	703	695	32.5	200	16.3	
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BEND TEST:

20mm	Sample bend through 180 degrees Satisfactorily without any crack
16mm	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

Q-Links Property Construction **Test Performed By:** **Dr. /Engr.** Wasim Abbas

Project Manager,Lhr.(Const. of (JGM,BH-3,JH & SH) Project Bahria Town & Bahria Orchrd Lahore)

Client Reference: QLC-BO-BH2-2022-01-09 **SOM Lab Ref:** 5716 (Page-1/3)

Dated: 20-01-2022 **Dated:** 21-01-2022

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	0.657	4	0.496	0.20	0.193	5.37	7.56	59240	61390	83410	86430	1.30	8.0	16.3	
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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

Q-Links Property Construction **Test Performed By:** **Dr. /Engr.** Wasim Abbas
Project Manager,Lhr.(Const. of (JGM,BH-3,JH & SH) Project Bahria Town & Bahria Orchrd Lahore)

Client Reference: QLC-BO-BH2-2022-01-10 **SOM Lab Ref:** 5716 (Page-2/3)
Dated: 20-01-2022 **Dated:** 21-01-2022

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	1.606	6	0.775	0.44	0.472	18.42	22.14	92330	86070	110980	103460	1.30	8.0	16.3	
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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

Q-Links Property Construction **Test Performed By:** **Dr. /Engr.** Wasim
Project Manager,Lhr.(Const. of (JGM,BH-3,JH & SH) Project Bahria Town & Bahria Orchrd Lahore)

SOM Lab Ref: 5716 (Page-3/3)

Client Reference: QLC-BO-BH2-2022-01-11

Dated: 20-01-2022 **Dated:** 21-01-202

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
		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	2.621	8	0.990	0.79	0.770	24.26	34.76	67730	69490	97040	99560	1.50	8.0
-	-	-	-	-	-	-	-	-	-	-	-	-	-
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Two Sample
Received and Tes

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

Muhammad Akhtar Brig (R)
PD New Metro City housing Scheme, Sarai Alamgir

Test Performed By: **Dr. /Engr.** S Asad Gillan

Client Reference: PD/NMC/22/02
Dated: 19-01-2022

SOM Lab Ref: 5717 (Page-1/1)
Dated: 21-01-2022

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

Test Specification: ASTM-A-615
Sample Type: Deformed Bar (Mehboob Steel)

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation
		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	2.610	8	0.988	0.79	0.767	23.72	33.71	66220	68210	94110	96930	1.60	8.0	20.0
2	2.612	8	0.989	0.79	0.768	23.85	33.86	66590	68500	94540	97250	1.50	8.0	18.8
3	1.488	6	0.746	0.44	0.437	16.02	19.98	80320	80870	100150	100830	1.20	8.0	15.0
4	1.492	6	0.747	0.44	0.438	15.62	20.08	78280	78640	100660	101120	1.10	8.0	13.8
5	0.650	4	0.493	0.20	0.191	6.29	8.00	69360	72630	88240	92400	1.10	8.0	13.8
6	0.651	4	0.493	0.20	0.191	6.19	8.00	68230	71450	88240	92400	1.00	8.0	12.5
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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

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

AE/Bridges,Pakistan Railways,Multan.(Widening /Conversion Of Existing 2x13`-0" Girder Bridge)

Client Reference: 55-W/1/M(Bridge No.131) **SOM Lab Ref:** 5720 (Page-1/1)

Dated: 18-01-2022 **Dated:** 21-01-2022

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	2.660	8	0.998	0.79	0.782	25.40	33.38	70920	71640	93200	94150	1.40	8.0	17.5	
2	2.659	8	0.997	0.79	0.781	26.20	33.89	73140	73980	94620	95710	1.50	8.0	18.8	
3	1.509	6	0.751	0.44	0.443	14.68	19.69	73580	73080	98720	98050	1.40	8.0	17.5	
4	1.569	6	0.766	0.44	0.461	15.21	20.66	76240	72760	103570	98850	1.30	8.0	16.3	
5	1.029	5	0.620	0.31	0.302	9.91	13.48	70490	72360	95880	98410	1.40	8.0	17.5	
6	1.037	5	0.623	0.31	0.305	10.14	13.63	72160	73340	96960	98550	1.50	8.0	18.8	
7	0.653	4	0.494	0.20	0.192	6.75	8.99	74420	77520	99150	103280	1.10	8.0	13.8	
8	0.654	4	0.494	0.20	0.192	6.73	8.99	74190	77280	99150	103280	1.00	8.0	12.5	
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BEND TEST:

--	No Bend test performed

Note:-

Only Eight Samples Received and Tested

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

Sameed Ahmad FL **Test Performed By:** **Dr. /Engr.** Wasim Abbas

Dy Director CASS,Lahore.(Centre For Aerospace & Security Studies (CASS) Lahore.)

Client Reference: CASS(Lhr)/7856/2/Misc **SOM Lab Ref:** 5722 (Page-1/1)

Dated: 06-01-2022 **Dated:** 21-01-2022

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	2.720	8	1.009	0.79	0.799	26.37	37.07	73620	72790	103500	102340	1.60	8.0	20.0	
2	1.494	6	0.748	0.44	0.439	12.41	16.79	62190	62330	84160	84350	1.40	8.0	17.5	
3	0.650	4	0.493	0.20	0.191	6.83	8.77	75320	78860	96670	101230	1.20	8.0	15.0	
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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 Six Samples Received and Tested

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

Maj Adnan Khalid (R) **Test Performed By:** **Dr. /Engr.** S. Asad Ali Gillani

Dy Dir MTL DHA Lhr,(Infra Dev Works Of Sec-4 Q-Block,DHA Ph-XI Rehbar (M/s DHA-C))

Client Reference: 408/241/32/Lab/15/14 **SOM Lab Ref:** 5723 (Page-1/1)

Dated: 17-01-2022 **Dated:** 21-01-2022

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

Gauge Length: 8 inch **Sample Type:** Deformed Bar (Moiz 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	1.533	6	0.758	0.44	0.451	15.21	20.03	76240	74380	100400	97950	1.30	8.0	16.3	
2	1.533	6	0.758	0.44	0.451	15.01	19.98	75210	73380	100150	97700	1.20	8.0	15.0	
3	0.593	4	0.471	0.20	0.174	6.29	8.18	69360	79720	90150	103620	1.30	8.0	16.3	
4	0.587	4	0.469	0.20	0.173	6.14	8.12	67670	78230	89590	103570	1.30	8.0	16.3	
5	0.588	4	0.469	0.20	0.173	6.27	8.15	69130	79920	89930	103960	1.20	8.0	15.0	
6	0.600	4	0.473	0.20	0.176	6.19	8.21	68230	77540	90490	102830	1.20	8.0	15.0	
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BEND TEST:

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

Sub Divisional officer,
BSD Muzaffargarh.(Const Of Office Building Of Deputy Dir Development Muzaffargarh)

Test Performed By: **Dr. /Engr.** Wasim Abbas

Client Reference: 1025/MG
Dated: 01-01-2022

SOM Lab Ref: 5724 (Page-1/2)
Dated: 21-01-2022

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	1.385	6	0.720	0.44	0.407	11.44	17.55	57330	61980	87990	95120	1.30	8.0	16.3	
2	1.365	6	0.715	0.44	0.401	12.15	19.11	60910	66830	95800	105120	1.00	8.0	12.5	
3	0.521	4	0.441	0.20	0.153	4.13	6.01	45530	59510	66320	86700	1.20	8.0	15.0	
4	0.522	4	0.441	0.20	0.153	4.13	6.22	45530	59510	68570	89630	1.30	8.0	16.3	
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BEND TEST:

# 6	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

Sub Divisional officer,
BSD Muzaffargarh.(Const Of Ombudsman Punjab Office Building For Regional Office)

Test Performed By: **Dr. /Engr.** Wasim Abbas

Client Reference: 1220/MG
Dated: 20-01-2022

SOM Lab Ref: 5724 (Page-2/2)
Dated: 21-01-2022

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	1.509	6	0.751	0.44	0.443	16.82	20.59	84310	83740	103210	102510	1.10	8.0	13.8	
2	1.512	6	0.752	0.44	0.444	17.35	21.02	86970	86180	105360	104410	1.20	8.0	15.0	
3	0.603	4	0.475	0.20	0.177	6.14	7.44	67670	76470	82060	92720	0.90	8.0	11.3	
4	0.599	4	0.473	0.20	0.176	6.24	7.65	68800	78180	84310	95800	0.90	8.0	11.3	
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BEND TEST:

# 6	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

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

Sunshine By Stylers International ,Project Coordinator.(Const. Of Sunshine Project)

Client Reference: SPS/BML/002/2022 **SOM Lab Ref:** 5725 (Page-1/1)

Dated: 21-01-2022 **Dated:** 21-01-2022

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	2.656	8	0.997	0.79	0.781	26.35	35.42	73570	74410	98890	100030	1.50	8.0	18.8	
2	2.627	8	0.991	0.79	0.772	25.94	34.25	72430	74120	95620	97850	1.20	8.0	15.0	
3	1.641	6	0.783	0.44	0.482	19.52	23.87	97850	89320	119660	109240	1.00	8.0	12.5	
4	1.638	6	0.783	0.44	0.481	19.22	23.55	96320	88110	118030	107970	1.00	8.0	12.5	
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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

Syed Abul Jabbar **Test Performed By:** **Dr. /Engr.** Wasim Abbas

GM Engr. Cotton Web Ltd.Lahore.(New Office Building)

Client Reference: Nil **SOM Lab Ref:** 5726 (Page-1/1)

Dated: 20-01-2022 **Dated:** 21-01-2022

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	2.579	8	0.982	0.79	0.758	24.52	34.07	68440	71330	95110	99120	1.50	8.0	18.8	
2	2.650	8	0.996	0.79	0.779	26.20	35.93	73140	74170	100320	101730	1.30	8.0	16.3	
3	1.505	6	0.750	0.44	0.442	14.02	19.62	70260	69940	98360	97910	1.30	8.0	16.3	
4	1.458	6	0.738	0.44	0.428	14.24	19.72	71380	73380	98870	101640	1.40	8.0	17.5	
5	0.640	4	0.489	0.20	0.188	6.54	8.74	72170	76770	96340	102480	1.20	8.0	15.0	
6	0.652	4	0.494	0.20	0.192	6.63	8.82	73070	76110	97230	101290	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
# 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

Engr. Tajammal Farooq **Test Performed By:** **Dr. /Engr.** Wasim Abbas

RE (AZEA)QABP-Sheikhupura.(Const. Of Multi Purpose Complex At QABP On Motorway,Skp)

Client Reference: RE/AZE/MPC-174 **SOM Lab Ref:** 5727 (Page-1/1)

Dated: 20-01-2022 **Dated:** 21-01-2022

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

Gauge Length: 8 inch **Sample Type:** Deformed Bar (Fazal 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	2.666	8	0.998	0.79	0.783	29.07	38.55	81160	81890	107630	108590	1.30	8.0	16.3	
2	2.647	8	0.995	0.79	0.778	29.68	38.12	82870	84150	106430	108080	1.30	8.0	16.3	
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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