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

Head Of Operations BEMSOL Pvt.Ltd.(StarchPack Greenfield Project At Kasur)

Client Reference: BPL/202210152 **Dated:** 24-10-2022

SOM Lab Ref: CED/SOM/1127(Page-1/2) **Dated:** 24-10-2022

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

Sample Type: Deformed Bar (Sample-02) **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	2.250	20	19.12	314	287	166.60	203.50	530	581	648	710	30.0	200	15.0	Lot-1
2	2.249	20	19.10	314	287	166.70	204.00	531	582	649	712	35.0	200	17.5	Lot-1
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BEND TEST:

20mm	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

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

Head Of Operations BEMSOL Pvt.Ltd.(StarchPack Greenfield Project At Kasur)

Client Reference: BPL/202210152 **Dated:** 24-10-2022

SOM Lab Ref: CED/SOM/1127(Page-2/2) **Dated:** 24-10-2022

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

Sample Type: Deformed Bar (Sample-01) **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	2.434	20	19.87	314	310	157.50	196.50	501	509	625	634	32.5	200	16.3	Lot-1
2	2.454	20	19.95	314	313	160.70	199.50	512	515	635	639	35.0	200	17.5	Lot-1
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BEND TEST:

20mm	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

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

Station Incharge Parco Terminal Station # 4 Sargodha Road District Sheikhupura.

Client Reference: PARCO-M/S Rechna Enterprises 01-2022 **Dated:** 24-10-2022

SOM Lab Ref: CED/SOM/1128(Page-1/1) **Dated:** 24-10-2022

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

Sample Type: MS Deformed Bar (Prime Supreme) **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	1.562	16	15.92	201	199	77.00	119.50	383	387	594	601	27.5	200	13.8	
2	0.998	12	12.73	113	127	61.00	94.50	539	480	836	744	32.5	200	16.3	
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BEND TEST:

--	No Bend test performed

Note:-

Only Two Samples Received and Tested

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

Sub Divisional officer, **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

PHE:Sub Div Okara.(Extension/Improvement Of Water Supply Scheme Southern City,Okara)

Client Reference: 124 **SOM Lab Ref:** 1129 (Page-1/1)

Dated: 18-10-2022 **Dated:** 24-10-2022

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	1.499	6	0.749	0.44	0.441	15.90	20.46	79710	79530	102550	102320	1.30	8.0	16.3	
2	0.671	4	0.501	0.20	0.197	7.24	9.07	79810	81030	100050	101570	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

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 **Test Performed By:** **Dr. /Engr.** Irfan Ul Hassan

RE Orbit Housing.Lahore.(The Springs Apartment Homes)

SOM Lab

Client Reference: Nil **Ref:** 1130 (Page-1/1)

Dated: 24-10-2022 **Dated:** 24-10-2022

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	2.637	8	0.993	0.79	0.775	26.40	34.15	73710	75130	95340	97180	1.40	8.0	17.5	
2	2.660	8	0.998	0.79	0.782	26.40	34.02	73710	74460	94970	95940	1.50	8.0	18.8	
3	1.496	6	0.748	0.44	0.440	16.31	20.15	81750	81750	101020	101020	1.00	8.0	12.5	
4	1.515	6	0.753	0.44	0.445	16.51	20.34	82780	81850	101940	100790	1.20	8.0	15.0	
5	0.659	4	0.497	0.20	0.194	6.52	8.72	71940	74170	96110	99080	1.20	8.0	15.0	
6	0.684	4	0.506	0.20	0.201	6.83	9.58	75320	74940	105670	105140	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 Nine Samples Received and Tested

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

Sub Divisional officer, **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

BSD No.09,Lhr.(Master Planning of Qurban Lines,Lahore,Const Of BS 18-19 Apartments)

SOM Lab

Client Reference: 474/9th **Ref:** 1131 (Page-1/1)

Dated: 14-10-2022 **Dated:** 24-10-2022

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	2.749	8	1.014	0.79	0.808	20.08	31.21	56060	54820	87140	85200	1.50	8.0	18.8	
2	2.736	8	1.012	0.79	0.804	19.80	31.01	55270	54310	86570	85060	1.40	8.0	17.5	
3	1.491	6	0.747	0.44	0.438	12.74	19.83	63870	64160	99380	99830	1.30	8.0	16.3	
4	1.475	6	0.743	0.44	0.433	12.51	20.36	62700	63710	102040	103690	1.10	8.0	13.8	
5	0.674	4	0.502	0.20	0.198	5.76	8.92	63510	64160	98360	99350	1.10	8.0	13.8	
6	0.676	4	0.503	0.20	0.199	5.96	8.99	65760	66090	99150	99640	1.20	8.0	15.0	
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BEND TEST:

--	No Bend test performed

Note:-

Only Six Samples Received and Tested

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

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

A/XEN E&M GE (Air) Rafiqui.(Rehabilitation Of Training Ground and Provision of Allied services)

SOM Lab

Client Reference: 6621/52/E-6 **Ref:** 1132 (Page-1/1)

Dated: 20-10-2022 **Dated:** 24-10-2022

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	1.313	6	0.701	0.44	0.386	10.96	17.58	54930	62610	88140	100470	1.30	8.0	16.3	
2	1.309	6	0.700	0.44	0.385	10.91	17.58	54670	62480	88140	100730	1.40	8.0	17.5	
3	1.051	5	0.627	0.31	0.309	9.68	15.24	68900	69120	108420	108770	1.10	8.0	13.8	
4	1.068	5	0.632	0.31	0.314	9.86	15.36	70130	69240	109290	107900	0.90	8.0	11.3	
5	0.672	4	0.501	0.20	0.197	5.12	8.21	56430	57290	90490	91870	1.30	8.0	16.3	
6	0.673	4	0.502	0.20	0.198	5.35	8.58	59020	59610	94650	95610	1.10	8.0	13.8	
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BEND TEST:

# 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

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

RE,Barrage, IBC.(Rehabilation And Modernization Of Islam Bridge)

Client Reference: IBC/RE/UET-48 **SOM Lab Ref:** 1133 (Page-1a/1)

Dated: 23-10-2022 **Dated:** 24-10-2022

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	2.640	8	0.994	0.79	0.776	26.15	34.73	73000	74310	96960	98710	1.60	8.0	20.0	
2	2.593	8	0.985	0.79	0.762	26.55	35.04	74140	76860	97810	101410	1.50	8.0	18.8	
3	2.590	8	0.984	0.79	0.761	26.32	34.79	73480	76280	97130	100830	1.50	8.0	18.8	
4	2.582	8	0.983	0.79	0.759	26.12	34.71	72910	75890	96900	100860	1.60	8.0	20.0	
5	1.490	6	0.747	0.44	0.438	14.74	19.64	73890	74220	98460	98910	1.30	8.0	16.3	
6	1.490	6	0.747	0.44	0.438	14.09	19.29	70620	70940	96670	97110	1.50	8.0	18.8	
7	1.517	6	0.754	0.44	0.446	13.71	18.76	68730	67800	94020	92750	1.30	8.0	16.3	
8	1.524	6	0.755	0.44	0.448	14.09	18.91	70620	69350	94780	93090	1.30	8.0	16.3	
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BEND TEST:

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

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

RE,Barrage, IBC.(Rehabilation And Modernization Of Islam Bridge)

Client Reference: IBC/RE/UET-48 **SOM Lab Ref:** 1133 (Page-1b/1)

Dated: 23-10-2022 **Dated:** 24-10-2022

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	0.671	4	0.501	0.20	0.197	6.83	8.66	75320	76460	95550	97000	1.20	8.0	15.0	
2	0.670	4	0.501	0.20	0.197	6.88	8.72	75880	77030	96110	97570	1.10	8.0	13.8	
3	0.672	4	0.501	0.20	0.197	6.63	8.46	73070	74180	93300	94720	1.10	8.0	13.8	
4	0.673	4	0.502	0.20	0.198	6.63	8.41	73070	73810	92740	93680	1.00	8.0	12.5	
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BEND TEST:

# 4	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

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

PM The Vertical,Lahore.(94 Business Center Khiaban A Jinnah Main Pine Avenue Rd Lahore)

Client Reference: Nil **SOM Lab Ref:** 1134 (Page-1/1)

Dated: 24-10-2022 **Dated:** 24-10-2022

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	2.741	8	1.013	0.79	0.806	18.17	29.97	50720	49710	83670	82010	1.60	8.0	20.0	Prime
2	2.722	8	1.009	0.79	0.800	18.09	29.84	50520	49880	83300	82260	1.80	8.0	22.5	Prime
3	1.463	6	0.740	0.44	0.430	10.55	16.51	52890	54120	82780	84700	1.80	8.0	22.5	Prime
4	1.479	6	0.744	0.44	0.435	10.55	16.67	52890	53490	83540	84500	1.60	8.0	20.0	Prime
5	1.437	6	0.733	0.44	0.422	14.90	18.91	74700	77890	94780	98830	1.20	8.0	15.0	FF
6	1.420	6	0.729	0.44	0.417	14.63	18.86	73320	77370	94530	99740	1.50	8.0	18.8	FF
7	1.049	5	0.626	0.31	0.308	7.95	12.03	56570	56940	85580	86130	1.50	8.0	18.8	Prime
8	1.043	5	0.625	0.31	0.307	7.87	12.00	55990	56540	85360	86190	1.60	8.0	20.0	Prime
9	0.681	4	0.505	0.20	0.200	6.90	9.17	76100	76100	101170	101170	1.20	8.0	15.0	FF
10	0.682	4	0.505	0.20	0.200	6.90	9.25	76100	76100	101960	101960	1.20	8.0	15.0	FF

BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack
# 6	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 Fifteen Samples Received and Tested

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

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

RE G3 Engg Consult.(Const.of DHA Newlife Residency Appartments at 273/1Q Block Ph-II DHA.Lhr)

Client Reference: G3/DHA-NLD/RE/110 **SOM Lab Ref:** 1135,1143 (P-1/1)

Dated: 21-10-2022 **Dated:** 24-10-2022

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	2.721	8	1.009	0.79	0.800	23.39	34.73	65310	64500	96960	95750	1.50	8.0	18.8	
2	2.661	8	0.998	0.79	0.782	22.83	34.30	63750	64400	95760	96740	1.40	8.0	17.5	
3	2.676	8	1.000	0.79	0.786	23.55	36.36	65740	66070	101510	102030	1.40	8.0	17.5	
4	1.502	6	0.749	0.44	0.441	14.02	19.13	70260	70100	95910	95690	1.20	8.0	15.0	
5	1.481	6	0.744	0.44	0.435	14.55	18.98	72910	73750	95140	96230	1.30	8.0	16.3	
6	1.473	6	0.743	0.44	0.433	14.68	19.32	73580	74770	96830	98390	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

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

Note:-

Only Eight Samples Received and Tested

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