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

RE NESPAK Multan.(Replacement Of Outlived Sewer In Multan Ph-II.)(M/S Al-Shan Const Company)

Client Reference: 4068/01/MS/01/146 **SOM Lab Ref:** 5759 (Page-1/1)

Dated: 23-12-2021 **Dated:** 27-01-2022

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	1.062	5	0.630	0.31	0.312	10.57	13.93	75210	74730	99140	98500	1.30	8.0	16.3	
2	1.059	5	0.629	0.31	0.311	10.62	14.07	75570	75330	100080	99760	1.40	8.0	17.5	
3	0.667	4	0.500	0.20	0.196	6.88	8.84	75880	77430	97460	99450	1.20	8.0	15.0	
4	0.663	4	0.498	0.20	0.195	6.12	8.77	67450	69180	96670	99150	1.30	8.0	16.3	
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BEND TEST:

# 5	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

Abdul Ghafar **Test Performed By:** **Dr. /Engr.** Rizwan Azam

PM Liberty Builders.(Const. Of Zee Avenue-Ramada Hotel & Suites 17-A Cooper Rd,Lahore)

Client Reference: ST/UET/20220127 **SOM Lab Ref:** 5761 (Page-1/1)

Dated: 27-01-2022 **Dated:** 27-01-2022

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

Gauge Length: 8 inch **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	1.480	6	0.744	0.44	0.435	12.90	18.62	64640	65380	93350	94420	1.20	8.0	15.0	
2	1.490	6	0.747	0.44	0.438	13.93	19.54	69850	70170	97950	98400	1.40	8.0	17.5	
3	1.493	6	0.748	0.44	0.439	13.61	19.08	68210	68370	95650	95870	1.40	8.0	17.5	
4	0.670	4	0.501	0.20	0.197	7.31	9.30	80600	81830	102520	104080	1.10	8.0	13.8	
5	0.665	4	0.498	0.20	0.195	7.10	9.53	78350	80360	105100	107800	1.00	8.0	12.5	
6	0.654	4	0.494	0.20	0.192	6.37	9.02	70260	73190	99480	103630	1.10	8.0	13.8	
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Witnessed By: Bilal Ashraf (Civil Site Supervisor)

BEND TEST:

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

Building Research Station
Assistant Director-I,Lahore.

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

Client Reference: 154-R/154
Dated: 24-01-2022

SOM Lab Ref: 5762 (Page-1/1)
Dated: 27-01-2022

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	2.660	8	0.998	0.79	0.782	24.87	34.17	69440	70150	95390	96370	1.30	8.0	16.3	
2	1.486	6	0.746	0.44	0.437	14.55	19.27	72910	73420	96570	97230	1.20	8.0	15.0	
3	0.665	4	0.498	0.20	0.195	6.37	8.56	70260	72060	94420	96850	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 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.** Asad Ali Gillani

GM Engg. Cotton Web Ltd.Lahore.(New Office Building Lot #2)

Client Reference: Nil **SOM Lab Ref:** 5763 (Page-1/1)

Dated: 25-01-2022 **Dated:** 27-01-2022

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	2.565	8	0.980	0.79	0.754	24.57	34.91	68590	71860	97470	102120	1.30	8.0	16.3	
2	2.585	8	0.984	0.79	0.760	24.79	35.32	69210	71940	98610	102500	1.30	8.0	16.3	
3	1.493	6	0.748	0.44	0.439	14.09	19.29	70620	70780	96670	96890	1.30	8.0	16.3	
4	1.494	6	0.748	0.44	0.439	14.09	19.32	70620	70780	96830	97050	1.30	8.0	16.3	
5	0.699	4	0.511	0.20	0.205	8.84	11.16	97460	95080	123090	120090	1.00	8.0	12.5	
6	0.699	4	0.511	0.20	0.205	8.84	11.11	97460	95080	122530	119540	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

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

Opal Deevar Developers(Const of Zameen Opal,Plot No.16,Sec.-A,Land Breeze Housing Society,Lhr)

Client Reference: ZD/ZO/L/043 **SOM Lab Ref:** 5764 (Page-1/1)

Dated: 26-01-2022 **Dated:** 27-01-2022

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	0.665	4	0.498	0.20	0.195	6.93	9.96	76440	78400	109820	112640	1.20	8.0	15.0	
2	0.663	4	0.498	0.20	0.195	6.95	9.94	76660	78630	109600	112410	1.20	8.0	15.0	
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BEND TEST:

# 4	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

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

Construction Company Engrs & Contractors, Sheikhupura.

Client Reference: Nil **SOM Lab Ref:** 5767 (Page-1/1)

Dated: 27-01-2022 **Dated:** 27-01-2022

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	2.662	8	0.998	0.79	0.782	24.77	33.74	69160	69860	94200	95160	1.50	8.0	18.8	
2	0.664	4	0.498	0.20	0.195	6.73	8.66	74190	76090	95550	98000	1.50	8.0	18.8	
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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 Four Samples Received and Tested

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

Assistant Project Director, **Test Performed By:** **Dr. /Engr.** S Asad Ali Gillani

PMU-SBP Gymnasium Bldg,Srgodha.(Provision Of Indoor Gym Facilities At Nankera Bhakkar)

Client Reference: APD/PMU/SBP/SGD/273 **SOM Lab Ref:** 5768 (Page-1/1)

Dated: 09-12-2021 **Dated:** 27-01-2022

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	1.456	6	0.738	0.44	0.428	16.72	21.12	83800	86150	105870	108840	1.40	8.0	17.5	
2	1.515	6	0.753	0.44	0.445	15.24	19.47	76390	75530	97590	96500	1.30	8.0	16.3	
3	0.668	4	0.500	0.20	0.196	7.05	8.87	77790	79380	97800	99790	1.10	8.0	13.8	
4	0.663	4	0.498	0.20	0.195	7.44	9.02	82060	84160	99480	102030	1.00	8.0	12.5	
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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