Muhammad Irfan
Asst Dir Infra DHA Gujranwala.(Executive Block)

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

Client Reference: 111/15/AD/RS/Exec B/74
Dated: 06-01- 2023

SOM Lab Ref: 1554 (Page-1/1)
Dated: 10-01-2023

Test: Tension Test & Bend Test
Gauge 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	0.665	4	0.498	0.20	0.195	6.65	8.77	73290	75170	96670	99150	1.30	8.0	16.3	
2	0.673	4	0.502	0.20	0.198	6.98	8.87	77000	77780	97800	98780	1.10	8.0	13.8	
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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

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

BSD No.I,Gujrat.(Estb Of 100 Bedded Hospital In U.C Lakhanwal Teh & Distt. Gujrat)

Client Reference: 2256/GI **SOM Lab Ref:** 1555 (Page-1/1)

Dated: 03-12-2022 **Dated:** 10-01-2023

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^2	in^2	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.492	8	0.965	0.79	0.732	21.46	34.37	59910	64650	95960	103560	1.10	8.0	13.8	
2	2.478	8	0.963	0.79	0.728	21.38	34.35	59680	64760	95900	104070	1.20	8.0	15.0	
3	1.504	6	0.750	0.44	0.442	13.46	20.90	67450	67140	104750	104270	1.50	8.0	18.8	
4	1.504	6	0.750	0.44	0.442	13.30	20.74	66680	66380	103980	103510	1.30	8.0	16.3	
5	0.625	4	0.484	0.20	0.184	5.05	7.41	55650	60480	81720	88830	1.20	8.0	15.0	
6	0.644	4	0.491	0.20	0.189	5.17	7.59	56990	60310	83750	88620	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.I,Gujrat.(Estb Of 100 Bedded Hospital In U.C Lakhanwal Teh & Distt. Gujrat)

Client Reference: 2256/GI **SOM Lab Ref:** 1556 (Page-1/1)

Dated: 03-12-2022 **Dated:** 10-01-2023

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^2	in^2	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.606	8	0.988	0.79	0.766	24.11	34.78	67310	69410	97100	100140	1.60	8.0	20.0	
2	2.610	8	0.988	0.79	0.767	24.54	35.04	68500	70550	97810	100740	1.50	8.0	18.8	
3	1.500	6	0.749	0.44	0.441	14.44	19.57	72400	72240	98100	97880	1.50	8.0	18.8	
4	1.509	6	0.751	0.44	0.443	14.55	19.62	72910	72420	98360	97690	1.40	8.0	17.5	
5	0.672	4	0.501	0.20	0.197	5.93	8.42	65420	66420	92850	94270	1.50	8.0	18.8	
6	0.670	4	0.501	0.20	0.197	5.90	8.41	65090	66080	92740	94150	1.40	8.0	17.5	
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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

Col Tajamal Hussain Riaz ® **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

RE ACE Ltd.Multan.(Secretariat Officer Building Multan & Allied Work)

Client Reference: ACE/RE/CSM/2022/443 **SOM Lab Ref:** 1557 (Page-1/1)

Dated: 03-01-2023 **Dated:** 10-01-2023

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

Gauge Length: 8 inch **Sample Type:** Deformed Bar (Union 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	2.527	8	0.973	0.79	0.743	26.20	33.84	73140	77770	94480	100460	1.30	8.0	16.3	
2	2.550	8	0.977	0.79	0.749	24.87	33.10	69440	73240	92400	97460	1.10	8.0	13.8	
3	1.502	6	0.749	0.44	0.441	15.70	20.08	78690	78510	100660	100430	1.10	8.0	13.8	
4	1.500	6	0.749	0.44	0.441	14.55	18.55	72910	72750	92990	92780	1.20	8.0	15.0	
5	0.672	4	0.501	0.20	0.197	7.03	8.94	77560	78750	98580	100080	1.20	8.0	15.0	
6	0.672	4	0.501	0.20	0.197	6.83	8.77	75320	76460	96670	98140	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

Chaudhry Talha Hassan
Lahore

Test Performed By: **Dr. /Engr.** M Kashif

Client Reference: Nil
Dated: 10-01-2023

SOM Lab Ref: 1558 (Page-1/1)
Dated: 10-01-2023

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	1.496	6	0.748	0.44	0.440	14.27	19.03	71540	71540	95400	95400	1.40	8.0	17.5	
2	1.502	6	0.749	0.44	0.441	15.24	19.39	76390	76220	97180	96960	1.50	8.0	18.8	
3	0.672	4	0.501	0.20	0.197	6.19	8.72	68230	69270	96110	97570	1.50	8.0	18.8	
4	0.672	4	0.501	0.20	0.197	5.96	8.51	65760	66760	93860	95290	1.50	8.0	18.8	
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Witnessed By: Chaudhry Talha Hassan and Rehan Ahmed

BEND TEST:

# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Five Samples Received and Tested

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

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

PM Union Developers Lhr.(const. Of Union Luxury Apartments,Etihad Town Lahore.)

Client Reference: UA/SO/2022/037 **SOM Lab Ref:** 1559 (Page-1/1)

Dated: 09-01-2023 **Dated:** 10-01-2023

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

Gauge Length: 8 inch **Sample Type:** Deformed Bar (Afco 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	2.662	8	0.998	0.79	0.782	25.99	32.87	72570	73310	91780	92720	1.30	8.0	16.3	
2	2.641	8	0.994	0.79	0.776	25.99	32.98	72570	73880	92060	93720	1.30	8.0	16.3	
3	0.663	4	0.498	0.20	0.195	7.65	9.33	84310	86470	102860	105490	1.30	8.0	16.3	
4	0.665	4	0.498	0.20	0.195	7.31	8.63	80600	82670	95210	97650	1.20	8.0	15.0	
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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

Muhammad Shafiq,RE **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani
Nespak,Lahore.(Const Of Fatima Jinnah Institute Of Dental Science,Lahore)

Client Reference: 3016/13/MS/04/16 **SOM Lab Ref:** 1560 (Page-1/1)
Dated: 02-01-2023 **Dated:** 10-01-2023

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^2	in^2	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.510	6	0.752	0.44	0.444	13.07	19.16	65510	64920	96060	95190	1.20	8.0	15.0	
2	1.511	6	0.752	0.44	0.444	13.02	19.24	65250	64660	96420	95550	1.30	8.0	16.3	
3	0.672	4	0.501	0.20	0.197	6.17	8.28	68010	69050	91280	92670	1.30	8.0	16.3	
4	0.670	4	0.501	0.20	0.197	6.22	8.33	68570	69620	91840	93240	1.40	8.0	17.5	
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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

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

RE NESPAK.(Dualization Of Rd From Salam To Sargodha Via Bhalwal Ajnala Rd L 47.00Km)

Client Reference: 4376/SMH/23/3038 **SOM Lab Ref:** 1561 (Page-1/1)

Dated: 02-01-2023 **Dated:** 10-01-2023

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

Gauge Length: 8 inch **Sample Type:** Deformed Bar (Mughal 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	2.659	8	0.997	0.79	0.781	27.98	35.07	78120	79020	97900	99020	1.30	8.0	16.3	
2	2.666	8	0.998	0.79	0.783	27.78	34.71	77550	78240	96900	97770	1.70	8.0	21.3	
3	1.511	6	0.752	0.44	0.444	16.02	20.20	80320	79600	101270	100360	1.30	8.0	16.3	
4	1.514	6	0.753	0.44	0.445	15.75	20.00	78940	78060	100250	99120	1.20	8.0	15.0	
5	0.676	4	0.503	0.20	0.199	6.85	8.77	75540	75920	96670	97160	1.10	8.0	13.8	
6	0.672	4	0.501	0.20	0.197	7.00	8.82	77230	78400	97230	98720	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

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

RE NESPAK.(Dualization Of Rd From Salam To Sargodha Via Bhalwal Ajnala Rd L 47.00Km)

Client Reference: 4376/SMH/23/3045 **SOM Lab Ref:** 1562 (Page-1/1)

Dated: 02-01-2023 **Dated:** 10-01-2023

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^2	in^2	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.553	6	0.762	0.44	0.456	16.00	21.22	80220	77410	106380	102650	1.40	8.0	17.5	
2	1.561	6	0.764	0.44	0.459	15.72	20.87	78790	75530	104590	100260	1.50	8.0	18.8	
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BEND TEST:

# 6	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