

Imran Sattar

Test Performed By: Dr. /Engr. Rizwan Riaz

Divisional Forest Officer, Kasur Forest Division at Changa Manga. (Const of B/wall at changa Manga)

Client Reference: 873/AC

SOM Lab

Ref: 2133 (Page-1/1)

Dated: 04-04-2023

Dated: 02-05-2023

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	0.672	4	0.501	0.20	0.197	6.80	8.59	74980	76120	94760	96200	1.20	8.0	15.0	
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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

M.Waqas Anwar

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

RE Nespak Lhr.(Improvement Of Lahore-Jaranwala Rd From Saggain Bypass to Begum Kot Lhr)

Client Reference: 3772/SB-Bk/103/MWA/04/64

SOM Lab

Ref: 2131 (Page-2/2)

Dated: 13-03-2022

Dated: 02-05-2023

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	1.113	5	0.645	0.31	0.327	11.54	14.90	82100	77830	106030	100520	1.30	8.0	16.3	
2	1.104	5	0.642	0.31	0.324	11.39	14.75	81010	77510	104940	100410	1.20	8.0	15.0	
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BEND TEST:

# 5	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.Waqas Anwar

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

RE Nespak Lhr.(Improvement Of Lahore-Jaranwala Rd From Saggain Bypass to Begum Kot Lhr)

Client Reference: 3772/SB-Bk/103/MWA/04/63

SOM Lab

Ref: 2131 (Page-1/2)

Dated: 13-03-2022

Dated: 02-05-2023

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	0.669	4	0.501	0.20	0.197	7.41	9.28	81720	82970	102290	103850	1.30	8.0	16.3	
2	0.669	4	0.501	0.20	0.197	7.51	9.28	82850	84110	102290	103850	1.30	8.0	16.3	
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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

Muhammad Arfat,RE

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

ACE-Arts (Consultants) UAEET Sambrial,Sialkot.(Estb Of UAEET Sambrial,Sialkot)

Client Reference: ER/UAEET/ACE/2023/240

SOM Lab

Ref: 2130 (Page-1/1)

Dated: 28-04-2023

Dated: 02-05-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (AF 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	2.707	8	1.007	0.79	0.796	24.94	33.03	69640	69110	92210	91510	1.20	8.0	15.0	
2	2.676	8	1.000	0.79	0.786	25.96	33.79	72480	72850	94340	94820	1.40	8.0	17.5	
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Witnessed By: M.Umair (ME ACE)

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

Mirza Muhammad Shahzad,RE

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

Nespak Lahore.(Const Of Multi-Level Grade Separation Flyover at Shahdra Morr Lahore)

Client Reference: 4537/03/MSA/09/35

SOM Lab

Ref: 2129 (Page-1/1)

Dated: 02-05-2023

Dated: 02-05-2023

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	2.635	8	0.993	0.79	0.774	25.76	33.18	71920	73400	92630	94550	1.40	8.0	17.5	D-8284
2	2.655	8	0.997	0.79	0.780	25.45	33.23	71060	71970	92770	93960	1.50	8.0	18.8	D-8284
3	1.474	6	0.743	0.44	0.433	14.12	18.67	70770	71910	93610	95120	1.40	8.0	17.5	D-8302
4	1.469	6	0.742	0.44	0.432	13.99	18.65	70100	71400	93510	95240	1.40	8.0	17.5	D-8302
5	1.033	5	0.622	0.31	0.304	10.93	13.30	77750	79280	94640	96510	1.10	8.0	13.8	A-533
6	1.028	5	0.620	0.31	0.302	10.30	12.76	73250	75190	90800	93200	1.00	8.0	12.5	D-8087
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Ten Samples Received and Tested
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 5	Sample bend through 180 degrees Satisfactorily without any crack	
# 5	Sample bend through 180 degrees Satisfactorily without any crack	

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

Imran Elahi
Eastern Housing Lahore.

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

Client Reference: Nil
Dated: 02-05-2023

SOM Lab
Ref: 2128 (Page-1/1)
Dated: 02-05-2023

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	1.526	6	0.755	0.44	0.448	14.95	19.49	74960	73620	97690	95950	1.40	8.0	17.5	
2	1.533	6	0.758	0.44	0.451	15.19	19.75	76130	74280	98970	96560	1.20	8.0	15.0	
3	0.696	4	0.511	0.20	0.205	7.36	9.33	81160	79180	102860	100350	1.20	8.0	15.0	
4	0.658	4	0.496	0.20	0.193	6.07	8.00	66890	69310	88240	91440	1.30	8.0	16.3	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
# 4	Sample bend through 180 degrees Satisfactorily without any crack	

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

Engineer Muhammad Irfan
Asst Dir Infra. DHA Gujranwala.(Sector C)

Test Performed By: Dr. /Engr. Waseem Abbass

Client Reference: 111/15/AD/RS/Lab/Pkg-2A/1271

SOM Lab

Ref: 2127 (Page-1/1)

Dated: 02-05-2023

Dated: 02-05-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Siraj 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	2.633	8	0.993	0.79	0.774	22.19	35.99	61960	63240	100490	102560	1.40	8.0	17.5	
2	2.633	8	0.993	0.79	0.774	22.00	35.70	61410	62680	99660	101720	1.60	8.0	20.0	
3	1.457	6	0.738	0.44	0.428	13.10	20.80	65660	67500	104230	107160	1.40	8.0	17.5	
4	1.445	6	0.736	0.44	0.425	13.10	20.59	65660	67980	103210	106860	1.50	8.0	18.8	
5	0.659	4	0.497	0.20	0.194	5.70	8.80	62840	64780	97010	100010	1.10	8.0	13.8	
6	0.660	4	0.497	0.20	0.194	5.70	8.90	62840	64780	98130	101170	1.30	8.0	16.3	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine Samples Received and Tested
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 4	Sample bend through 180 degrees Satisfactorily without any crack	

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

Zafar Iqbal

Test Performed By:

Dr. /Engr. Asad Ali Gillani

PM United LifeStyle Pvt. Ltd.(Sky Scraper By United at Johar Town Lahore)

Client Reference: ULS/2021-22-23/034

SOM Lab

Ref: 2125 (Page-1/1)

Dated: 02-05-2023

Dated: 02-05-2023

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	2.658	8	0.997	0.79	0.781	27.30	35.20	76210	77090	98270	99400	1.20	8.0	15.0	
2	2.673	8	1.000	0.79	0.786	26.89	35.10	75070	75460	97980	98480	1.40	8.0	17.5	
3	1.616	6	0.778	0.44	0.475	18.09	21.50	90690	84010	107760	99820	1.00	8.0	12.5	
4	1.553	6	0.762	0.44	0.456	16.49	20.09	82670	79770	100710	97180	1.20	8.0	15.0	
5	0.650	4	0.493	0.20	0.191	6.99	8.40	77110	80750	92630	96990	1.10	8.0	13.8	
6	0.649	4	0.493	0.20	0.191	6.99	8.40	77110	80750	92630	96990	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 TestedNote: Please always confirm the results of above report on web www.uet-civil.edu.pk

Engr. Zaheer Ud Din Babar

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Dy. General Manager (Works).HRL Engineering (Pvt.) Ltd.(Const Of sky Gardens Tower,Lahore)

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Client Reference: HRLE/SKG/2023/120/626,627

SOM Lab Ref:

Dated: 02-05-2023

Dated:

02-05-2023

Test: Tension Test

Test Specification:

ASTM-A-615

Gauge Length: 200 mm

Sample Type:

MS 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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	1.653	16	16.39	201	211	124.70	149.70	620	591	745	710	27.5	200	13.8	1
2	1.585	16	16.03	201	202	113.70	135.50	566	564	674	672	35.0	200	17.5	2
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BEND TEST:

16mm	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

Engr. Zaheer Ud Din Babar

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Dy. General Manager (Works).HRL Engineering (Pvt.) Ltd.(Const Of sky Gardens Tower,Lahore)

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Client Reference: HRLE/SKG/2023/121/627

SOM Lab Ref:

Dated: 02-05-2023

Dated:

02-05-2023

Test: Tension Test

Test Specification:

ASTM-A-615

Guage Length: 200 mm

Sample Type:

MS 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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.063	22	22.28	387	390	175.20	276.00	453	450	713	708	37.5	200	18.8	1
2	3.040	22	22.20	387	387	174.00	274.90	450	450	710	710	37.5	200	18.8	2
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BEND TEST:

22mm	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

Engr. Zaheer Ud Din Babar

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Dy. General Manager (Works).HRL Engineering (Pvt.) Ltd.(Const Of sky Gardens Tower,Lahore)

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Client Reference: HRLE/SKG/2023/122/627

SOM Lab Ref:

1/3)

Dated: 02-05-2023

Dated:

02-05-2023

Test: Tension Test

Test Specification:

ASTM-A-615

Gauge Length: 200 mm

Sample Type:

MS 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)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	4.413	28	26.75	616	562	310.00	496.20	503	552	806	883	30.0	200	15.0	1
2	4.713	28	27.65	616	600	272.00	472.20	442	454	767	787	30.0	200	15.0	2
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BEND TEST:

28mm	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

Test Performed by: Dr. S. Asad Ali Gillani

ESS. I. AAR Consultant

Resident Engineer.

Bahawalpur.

(Construction of Bridge Over Bahawal Canal Tehsil Head Quarter Hospital Khairpur Tamewali)

Reference No.: RE/ADP/BWP/102

Dated: 26-04-2023

SOM Lab Ref: CED/SOM/2126(Page-1/1)

Dated: 02-05-2023

Test Type: Hardness Test

Sample Type: Elastomeric Bearing Pad

- HARDNESS TEST (AS PER ASTM-D-2240)

S. No	Sample Type	Hardness (Shore A)
1	Elastomeric Bearing Pad	60.66 avg