

ARCON ,CW Manager

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Islamabad.(Site ID: Rep_e.coPK00064FT,N-3134,9,53699,N-3412,53681,N3-2023-15,52964,130)

Client Reference: Nil

Dated: 15-05-2023

SOM Lab Ref: CED/SOM/2175(Page-1/1)

Dated: 15-05-2023

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	3.875	25	25.08	491	494	274.20	317.70	559	556	647	644	27.5	200	13.8	
2	2.456	20	19.96	314	313	169.00	205.00	538	541	653	656	27.5	200	13.8	
3	1.598	16	16.10	201	204	108.20	135.00	538	532	671	664	35.0	200	17.5	
4	0.986	12	12.64	113	126	62.20	73.20	550	496	647	583	30.0	200	15.0	
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BEND TEST:

--	No Bend test performed	Note:- Only Four Samples Received and Tested

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

Sheikhoo Steel

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

Chief Tech Officer, Sheikhoo Sugar Mills (Steel Div), Anwar Abad Kot Addu, Muzaffargarh.

Client Reference: Nil

Dated: 09-05-2023

SOM Lab Ref: CED/SOM/2179(Page-1/1)

Dated: 15-05-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar (Sheikhoo 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	0.994	12	12.72	113	127	52.70	77.50	466	415	685	611	25.0	200	12.5	
2	0.994	12	12.70	113	127	53.20	77.50	470	420	685	612	30.0	200	15.0	
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BEND TEST:

12mm	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

Rana Jahangir, RE

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

New Vision Engg.Consultant.(Extn Of Main Boulevard MB-01 Towards Yazman Rd DHAB)

Client Reference: RE/NVEC/Sec-N/239

Dated: 11-05-2023

SOM Lab Ref: CED/SOM/2186(Page-1/2)

Dated: 15-05-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-F 1554

Sample Type: J- Bolt

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	0.892	12	12.05	113	114	49.70	61.20	439	436	541	537	37.5	200	18.8	
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BEND TEST:

--	No Bend test performed	Note:- Only One Sample 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. Asad Ali Gillani

PMU Spors Board Punjab Bwp Div.(Synthetic Athletic Track Dring Stadium Bahawalpur)

Client Reference: ADP/PMU/BWP/23/710

SOM Lab

Ref: 2171 (Page-1/1)

Dated: 05-05-2023

Dated: 15-05-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed Bar (FF

Gauge Length: 8 inch

Sample Type:

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	1.364	6	0.715	0.44	0.401	14.85	19.39	74450	81690	97180	106640	1.20	8.0	15.0	
2	1.489	6	0.747	0.44	0.438	14.60	19.42	73170	73500	97340	97780	1.30	8.0	16.3	
3	0.668	4	0.500	0.20	0.196	5.63	7.51	62050	63320	82850	84540	1.20	8.0	15.0	
4	0.671	4	0.501	0.20	0.197	5.61	7.49	61830	62770	82620	83880	1.40	8.0	17.5	
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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

Sohaib Muneer, PM

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

Q-Links Property Const. Pvt.Ltd Lhr.(Const of JGM,OM,BH-3,JH,SH,Bahria Town Lhr)

Client Reference: QCL-BH2-UET-2023-05-LTR-008

SOM Lab

Ref: 2172 (Page-1/1)

Dated: 15-05-2022

Dated: 15-05-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed Bar (SJ

Gauge Length: 8 inch

Sample Type:

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	0.673	4	0.502	0.20	0.198	6.34	8.63	69920	70630	95210	96170	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

Engr. Haseeb Afzal

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Project Manager HMB Devlopers Pvt Ltd.(Commercial Tower, FTC Lahore)

Client Reference: HMBDPL/S.O/03/23/38(LHR)

SOM Lab

Ref:

2173 (Page-1/2)

Dated: 15-05-2023

Dated:

15-05-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed

Gauge Length: 8 inch

Sample Type:

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	2.633	8	0.993	0.79	0.774	25.56	33.15	71350	72820	92550	94460	1.40	8.0	17.5	B # 538
2	2.635	8	0.993	0.79	0.774	25.76	33.46	71920	73400	93400	95330	1.50	8.0	18.8	B # 538
3	1.491	6	0.747	0.44	0.438	14.65	18.98	73430	73760	95140	95570	1.50	8.0	18.8	B # 538
4	1.494	6	0.748	0.44	0.439	14.42	19.03	72300	72470	95400	95610	1.50	8.0	18.8	B # 538
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BEND TEST:

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

Engr. Haseeb Afzal

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Project Manager HMB Developers Pvt Ltd.(Commercial Tower, FTC Lahore)

Client Reference: HMBDPL/S.O/03/23/39(LHR)

SOM Lab

Ref:

2173 (Page-2/2)

Dated: 15-05-2023

Dated:

15-05-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed

Gauge Length:

8 inch

Sample Type:

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	2.592	8	0.985	0.79	0.762	25.05	33.18	69920	72490	92630	96040	1.60	8.0	20.0	B # 538
2	2.594	8	0.985	0.79	0.762	24.72	32.69	69010	71550	91270	94620	1.40	8.0	17.5	B # 538
3	1.495	6	0.748	0.44	0.439	14.90	18.98	74700	74870	95140	95360	1.50	8.0	18.8	B # 538
4	1.500	6	0.749	0.44	0.441	14.12	19.24	70770	70610	96420	96200	1.50	8.0	18.8	B # 538
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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

Li Shi, Manager

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

Sinohydro Corporation Ltd.(220 Kv Transmission Lines associated With Lahore North substation)

Client Reference: ABD-301B/2018/625

SOM Lab

Ref: 2174 (Page-1/1)

Dated: 08-05-2023

Dated: 15-05-2023

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	1.493	6	0.748	0.44	0.439	15.11	20.00	75720	75900	100250	100480	1.30	8.0	16.3	
2	1.475	6	0.743	0.44	0.433	13.83	18.93	69340	70460	94880	96420	1.30	8.0	16.3	
3	0.670	4	0.501	0.20	0.197	7.05	9.28	77790	78970	102290	103850	1.10	8.0	13.8	
4	0.677	4	0.503	0.20	0.199	7.31	9.43	80600	81000	103980	104500	0.90	8.0	11.3	
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Witnessed By: Engr Zahid (Jn Engr.Barqaab Nespak JV)

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

Sub Divisional officer, Test Performed By: Dr. /Engr. Asad Ali Gillani
 BSD Sialkot.(Const Of Additional Courts in The Remises Of Existing Civil Courts Complex)

Client Reference: 552/ST

SOM Lab

Ref: 2277 (Page-1/1)

Dated: 05-05-2023

Dated: 15-05-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed

Gauge Length: 8 inch

Sample Type:

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	2.672	8	1.000	0.79	0.785	21.97	36.06	61330	61720	100660	101300	1.30	8.0	16.3	
2	1.607	6	0.775	0.44	0.472	11.79	17.89	59120	55110	89670	83590	1.50	8.0	18.8	
3	0.673	4	0.502	0.20	0.198	5.68	8.94	62610	63250	98580	99580	1.00	8.0	12.5	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six 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

MS Paidar Builders (Pvt) Ltd.

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

Lahore.(Const Of TCF Unit-1 Primary School MS.Hassena Raia Campus Pattoki,Lhr-II)

Client Reference: PBL/UET/2023-485

SOM Lab

Ref: 2178 (Page-1/1)

Dated: 11-01-2023

Dated: 15-05-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Itfaq 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	1.456	6	0.738	0.44	0.428	17.23	21.07	86350	88770	105610	108580	0.80	8.0	10.0	
2	0.672	4	0.501	0.20	0.197	5.88	8.87	64860	65850	97800	99290	1.10	8.0	13.8	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Four 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

Muhammad Awais Khan

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

FM SUPARCO Office P.O Punjab Uni Lhr.(Const. Of RF Equipment Rooms & Antenna Foundations)

Client Reference: (3959)Works/Div/SPRCO

SOM Lab

Ref: 2180 (Page-1/1)

Dated: 09-05-2023

Dated: 15-05-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed

Gauge Length: 8 inch

Sample Type:

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	2.610	8	0.988	0.79	0.767	27.19	35.09	75900	78180	97950	100890	1.40	8.0	17.5	
2	2.607	8	0.988	0.79	0.766	26.47	34.42	73910	76220	96100	99110	1.50	8.0	18.8	
3	1.489	6	0.747	0.44	0.438	14.98	19.34	75110	75450	96930	97370	1.30	8.0	16.3	
4	1.505	6	0.750	0.44	0.442	15.16	19.34	75980	75640	96930	96490	1.30	8.0	16.3	
5	0.668	4	0.500	0.20	0.196	6.34	8.43	69920	71350	92960	94860	1.20	8.0	15.0	
6	0.672	4	0.501	0.20	0.197	6.37	8.53	70260	71330	94090	95520	1.20	8.0	15.0	
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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

Umair Latif , Dev Engr.

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

Uni Of The Punjab Office Of The Chief Engr.Lhr.(Const Of National Academy For W/Lifting at Q.A.C)

Client Reference: 772-DE

SOM Lab

Ref: 2181 (Page-1/1)

Dated: 15-05-2023

Dated: 15-05-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed

Gauge Length: 8 inch

Sample Type:

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	2.675	8	1.000	0.79	0.786	32.79	39.47	91550	92020	110190	110750	1.10	8.0	13.8	
2	2.675	8	1.000	0.79	0.786	32.72	39.35	91350	91820	109850	110410	1.20	8.0	15.0	
3	1.506	6	0.751	0.44	0.443	14.09	18.88	70620	70140	94630	93990	1.30	8.0	16.3	
4	1.509	6	0.751	0.44	0.443	14.19	18.91	71130	70640	94780	94140	1.20	8.0	15.0	
5	0.667	4	0.500	0.20	0.196	5.86	8.69	64640	65960	95770	97730	1.30	8.0	16.3	
6	0.672	4	0.501	0.20	0.197	6.22	8.63	68570	69620	95210	96660	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

Ahsan Zubair

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

RE Nespak Lahore.(Const Of Underpass at Samanabad Morr)

Client Reference: 4403/03/AZ/Lab/Steel-45

SOM Lab

Ref:

2183 (Page-1/1)

Dated: 12-04-2023

Dated:

15-05-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Kisan 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	2.590	8	0.984	0.79	0.761	22.48	32.49	62750	65140	90700	94150	1.30	8.0	16.3	
2	2.553	8	0.977	0.79	0.750	21.48	31.86	59960	63160	88930	93680	1.40	8.0	17.5	
3	0.651	4	0.493	0.20	0.191	7.03	8.99	77560	81220	99150	103820	1.20	8.0	15.0	
4	0.671	4	0.501	0.20	0.197	7.14	9.12	78690	79890	100610	102140	1.10	8.0	13.8	
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BEND TEST:

# 8	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

Ahsan Zubair

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

RE Nespak Lahore.(Const Of Underpass at Samanabad Morr)

Client Reference: 4403/03/AZ/Lab/Steel-36

SOM Lab

Ref:

2184 (Page-1/1)

Dated: 30-03-2023

Dated:

15-05-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Kisan 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	2.618	8	0.990	0.79	0.769	23.41	32.11	65370	67160	89640	92090	1.40	8.0	17.5	
2	2.589	8	0.984	0.79	0.761	24.16	33.38	67450	70020	93200	96750	1.40	8.0	17.5	
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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

NEW VISION Engg Consultant

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

RE New Vision Engg Consultant Site Office DHAB.(Civil Infra Dev Works For Sec-F DHAB)

Client Reference: RE/NVEC/Site/Sec-F/Extn/238

SOM Lab

Ref: 2185 (Page-1/1)

Dated: 10-05-2023

Dated: 15-05-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed Bar (AF

Gauge Length: 8 inch

Sample Type:

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	2.682	8	1.002	0.79	0.788	25.15	35.09	70210	70390	97950	98200	1.20	8.0	15.0	
2	2.677	8	1.001	0.79	0.787	24.33	33.03	67930	68190	92210	92560	1.10	8.0	13.8	
3	0.671	4	0.501	0.20	0.197	6.47	8.51	71380	72470	93860	95290	1.20	8.0	15.0	
4	0.670	4	0.501	0.20	0.197	6.83	8.84	75320	76460	97460	98940	1.30	8.0	16.3	
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BEND TEST:

# 8	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

University Of Education

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

Engr.Women University D.G Khan.(Const of Academic Block at Uni of Edu D.G.Khan Sub Campus)

Client Reference: WU/UEDGK/2023/471

SOM Lab

Ref: 2187 (Page-1/1)

Dated: 06-03-2023

Dated: 15-05-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Kisan 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	2.652	8	0.996	0.79	0.779	24.41	32.44	68160	69120	90550	91830	1.40	8.0	17.5	
2	1.531	6	0.757	0.44	0.450	14.42	18.78	72300	70690	94120	92030	1.50	8.0	18.8	
3	0.670	4	0.501	0.20	0.197	6.95	8.38	76660	77830	92400	93810	1.10	8.0	13.8	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six 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

Test Performed by: Dr. S. Asad Ali Gillani

Pakistan Railways

Division Engineer-II

f,Div Superintendent Rawalpindi.

(Construction of Road Underpass Bridge (1x74`-9”) at KM 1375/2-3 Between Choakariala-Kharian Station on LLM-RWP Section)

Reference No.: 635-W/278/JMR/20
SOM Lab Ref: CED/SOM/2176(Page-1/1)

Dated: 13-05-2023
Dated: 15-05-2023

Test: Tensile Test, Elongation at Break, Tear Test, Hardness Test & Comp. Set Test

Sample Type: Elastomeric Bearing Pad

TENSILE STRENGTH AND ELONGATION TEST. (AS PER ASTM-D-412)

S. No	Sample Size (mm)	Ultimate Load (kN)	Tensile Strength (Mpa)	Tensile Strength (kg/cm ²)	Elongation at Break(%)
1	6.2 x 2.0	0.45	36.29	370.05	500.0
2	6.4 x 2.0	0.48	37.50	382.38	520.0

TEAR STRENGTH (AS PER ASTM-D-624)

S. No	Sample Size (mm)	Ultimate Load (kN)	Tear Strength (N/mm)
1	11.7 x 2.0	0.30	150.0
2	11.7 x 2.0	0.27	135.0

- COMPRESSION SET TEST (AS PER ASTM-D-395)

S. No.	Thickness of Sample (mm)	Final Thickness (mm)	Compression set (%)
1	3.10	2.96	4.5

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

S. No	Sample Type	Hardness (Shore A)
1	Elastomeric Bearing Pad	62.66 avg

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

Ahsan Zubair

RE NESPAK Lahore.

(Construction Of Underpass at Samanabad Morr Lahore)

Client Reference: 4403/03/AZ/Lab/Bolt-48

Dated: 14-04-2023

SOM Lab Ref: CED/SOM/2182(Page-1/1)

Dated: 15-05-2023

Test: Tension Test

Test Specification: ASTM-F -1554

Sample Type: J-Bolt

Gauge Length: 200 mm

S.No.	Diameter	Area	Yield Load	Ultimate Load	Yield Stress	Ultimate. Stress	Elongation	Gauge Length	%age Elongation	Reduction of Area (%)
	mm	mm ²	kN	kN	MPa	MPa	mm	mm	%	
1	25	491	196.7	297.5	380	575	32.5	200	16.3	35.3
							Note:-			
							Only One Sample Received and Tested			
Note: Please always confirm the results of above report on web www.uet-civil.edu.pk										

Test Performed by: S. Asad Ali Gillani

Rana Jahangir
Resident Engineer
New Vision Engg. Consultant.
(Extension of Main Boulevard MB-01 Towards Yazman Road DHAB)

Client Reference: RE/NVEC/MB-01/YR/240

Dated: 11-05-2023

SOM Laboratory Reference: CED/SOM/2186(Page-2/2)

Dated: 15-05-2023

Test: Compressive Strength Tests

Sample Type: CAT – EYES

Test Specification: ASTM-D4280

Test Results

Sr. No.	Sample Type	Top Dimensions (mm)	Bottom Dimensions (mm)	Thickness (mm)	Inclination (Degree)	Compression Load (Kg)
1	Cat-Eyes White	69.6 x 44.1	89.3 x 101.4	15.8	30.28°	13252
2	Cat-Eyes Green	69.5 x 44.2	89.2 x 101.4	15.9	30.58°	9480
3	Cat-Eyes Red	69.7 x 44.4	89.0 x 101.3	15.8	30.81°	9990
4	Cat-Eyes Yellow	69.4 x 44.3	89.1 x 101.6	15.8	30.88°	11417

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

