

Rashed Mehmood

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

CRE Zeeruk International (Pvt) Ltd.(Const Of Sialkot Kharian Motorway Project-SKM)

Client Reference: SKMP/CRE/2022/46

Dated: 16-12-2022

SOM Lab Ref: CED/SOM/1529(Page-1/1)

Dated: 04-01-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: MS Deformed Bar (Mughal 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	3.808	25	24.85	491	485	253.70	342.50	517	524	698	707	35.0	200	17.5	
2	3.796	25	24.81	491	484	251.50	340.70	512	521	694	705	35.0	200	17.5	
3	2.441	20	19.90	314	311	161.50	211.70	514	520	674	681	32.5	200	16.3	
4	2.437	20	19.88	314	310	163.50	212.00	520	527	675	683	32.5	200	16.3	
5	1.536	16	15.78	201	196	100.00	133.00	497	512	661	680	32.5	200	16.3	
6	1.544	16	15.83	201	197	99.20	132.00	493	505	657	672	40.0	200	20.0	
7	0.880	12	11.95	113	112	57.20	78.70	506	511	696	702	30.0	200	15.0	
8	0.877	12	11.93	113	112	56.70	78.00	501	508	690	699	30.0	200	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
16mm	Sample bend through 180 degrees Satisfactorily without any crack	
12mm	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 Waqas

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

RE Nespak Isb.(Dualization Of Rwp-Kahuta Rd Including 4-Lane Bridge Over Sihala Rialway Pass)

Client Reference: NESPAK/103/MW/64

Dated: 03-01-2023

SOM Lab Ref: CED/SOM/1531(Page-1/1)

Dated: 04-01-2023

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: MS 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	3.933	25	25.26	491	501	234.00	336.50	477	468	686	672	37.5	200	18.8	
2	3.913	25	25.19	491	498	232.00	334.20	473	466	681	671	40.0	200	20.0	
3	2.453	19	19.95	284	312	154.40	213.50	545	495	753	684	35.0	200	17.5	
4	2.459	19	19.97	284	313	152.50	212.50	538	487	749	679	37.5	200	18.8	
5	1.556	16	15.88	201	198	99.50	136.70	495	503	680	690	27.5	200	13.8	
6	1.558	16	15.90	201	198	99.50	136.20	495	502	677	687	37.5	200	18.8	
7	0.883	12	11.97	113	113	53.50	76.50	473	476	676	680	32.5	200	16.3	
8	0.898	12	12.07	113	114	53.00	76.50	469	464	676	669	32.5	200	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
19mm	Sample bend through 180 degrees Satisfactorily without any crack	
16mm	Sample bend through 180 degrees Satisfactorily without any crack	
12mm	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

Sheikhoo Steel

Test Performed By:

Dr. /Engr.

M.Yousaf

Chief Tech Officer, Sheikhoo Sugar Mills, Anwar Abad Kot Addu, Muzaffargarh.

Client Reference: Nil

Dated: 02-01-2023

SOM Lab Ref: CED/SOM/1532(Page-1a/1)

Dated: 04-01-2023

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	3.797	25	24.82	491	484	249.70	334.20	509	516	681	691	27.5	200	13.8	17-O
2	3.843	25	24.97	491	490	264.00	332.20	538	540	677	679	32.5	200	16.3	26-O
3	2.490	20	20.10	314	317	164.20	215.50	523	518	686	680	35.0	200	17.5	985-N
4	2.462	20	19.98	314	314	166.00	213.20	528	530	679	680	37.5	200	18.8	993-N
5	1.577	16	16.00	201	201	99.50	135.70	495	496	675	676	37.5	200	18.8	477-N
6	0.884	12	11.97	113	113	53.50	76.50	473	476	676	680	32.5	200	16.3	864-N
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Ten Samples Received and Tested
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
16mm	Sample bend through 180 degrees Satisfactorily without any crack	
12mm	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 Hassan Khan

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

RE Nespak Kahna Sports Complex,Lahore.(Estb Of Sports Complex In Kahna,Lahore)

Client Reference: 3772/103/NA129/RE/05/01

SOM Lab

Ref:

1530 (Page-1/1)

Dated: 03-01-2023

Dated:

04-01-2023

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	2.676	8	1.000	0.79	0.786	23.85	32.47	66590	66930	90640	91100	1.40	8.0	17.5	
2	2.674	8	1.000	0.79	0.786	23.31	32.47	65090	65420	90640	91100	1.50	8.0	18.8	
3	1.508	6	0.751	0.44	0.443	14.90	18.78	74700	74200	94120	93480	1.40	8.0	17.5	
4	1.502	6	0.749	0.44	0.441	15.01	18.98	75210	75040	95140	94920	1.40	8.0	17.5	
5	0.674	4	0.502	0.20	0.198	7.36	8.74	81160	81980	96340	97310	1.30	8.0	16.3	
6	0.673	4	0.502	0.20	0.198	7.44	8.77	82060	82890	96670	97650	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Sheikhoo Steel

Test Performed By: Dr. /Engr. M.Yousaf

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

Client Reference: Nil

SOM Lab

Ref: 1532 (Page-1b/1)

Dated: 02-01-2023

Dated: 04-01-2023

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	2.664	8	0.998	0.79	0.783	26.86	35.27	74990	75660	98470	99350	1.30	8.0	16.3	70-O
2	2.649	8	0.995	0.79	0.778	26.15	34.78	73000	74120	97100	98600	1.30	8.0	16.3	71-O
3	1.492	6	0.747	0.44	0.438	14.68	19.80	73580	73910	99230	99680	1.20	8.0	15.0	937-N
4	1.500	6	0.749	0.44	0.441	15.29	19.75	76640	76470	98970	98750	1.20	8.0	15.0	935-N
5	0.661	4	0.497	0.20	0.194	6.63	9.04	73070	75330	99710	102790	1.20	8.0	15.0	923-N
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

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

Chaudhry Rizwan Mushtaq

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

RE Nespak Guj.(Flyover at Saroki Adda On G.T Rd Gujrat Ding A Rd 13KM in Distt Gujrat)

Client Reference: 4364/03/CRM/01/22/33

SOM Lab

Ref:

1533 (Page-1/1)

Dated: 26-12-2022

Dated:

04-01-2023

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	0.665	4	0.498	0.20	0.195	6.37	8.77	70260	72060	96670	99150	1.40	8.0	17.5	
2	0.672	4	0.501	0.20	0.197	6.39	8.77	70480	71560	96670	98140	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

Naveed Ahmad

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Asst Dir Lab DHA Bahawalpur Cantonment.(Project Of Sec-B Masque)

Client Reference: 110/QC/MTL

SOM Lab

Ref:

1534 (Page-1/1)

Dated: 30-12-2022

Dated:

04-01-2023

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	2.664	8	0.998	0.79	0.783	24.31	34.09	67870	68480	95160	96020	1.40	8.0	17.5	
2	1.501	6	0.749	0.44	0.441	15.19	20.90	76130	75960	104750	104510	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

BEND TEST:

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

