

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/2022/0008

Dated: 25-10-2022

SOM Lab Ref: CED/SOM/1227(Page-1/1)

Dated: 08-11-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: 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	3.935	25	25.26	491	501	266.20	342.50	542	532	698	684	37.5	200	18.8	
2	3.973	25	25.39	491	506	265.70	342.70	541	525	698	678	40.0	200	20.0	
3	2.486	20	20.08	314	317	164.20	210.20	523	519	669	664	30.0	200	15.0	
4	2.486	20	20.08	314	317	162.70	209.00	518	514	665	660	32.5	200	16.3	
5	1.556	16	15.89	201	198	105.20	131.50	523	531	654	664	35.0	200	17.5	
6	1.552	16	15.86	201	198	104.50	133.00	520	529	661	673	37.5	200	18.8	
7	1.029	12	12.92	113	131	67.70	83.50	599	517	738	638	22.5	200	11.3	
8	1.007	12	12.78	113	128	68.70	84.50	607	536	747	660	27.5	200	13.8	
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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

Engr Rana Muhammad Usman Khan

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

CM FESCON Pvt Ltd JV Fazal Malik & Co.Lahore (Underground Electrification Works Of PFHP)

Client Reference: 02/FMC/PAECFHP/EE/UET/22

Dated: 07-11-2022

SOM Lab Ref: CED/SOM/1221(Page-1/1)

Dated: 08-11-2022

Test: Tension Test

Test Specification:

ASTM-F-1554

Sample Type: J Bolt (450mmx18mm)

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	2.274	18	19.22	254	290	124.50	179.00	489	430	703	618	35.0	200	17.5	
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Witnessed By: Abdul Ghaffar (Site In-charge,PAECF)

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

Wasif Manzoor
Salman Developers (Grand Square Mall).Lahore.(Park House)

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

Client Reference: Nil

SOM Lab

Ref: 1222 (Page-1/1)

Dated: 07-11-2022

Dated: 08-11-2022

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	2.607	8	0.988	0.79	0.766	23.36	35.12	65230	67270	98040	101110	1.30	8.0	16.3	
2	2.582	8	0.983	0.79	0.759	23.62	35.29	65940	68630	98520	102550	1.40	8.0	17.5	
3	1.481	6	0.744	0.44	0.435	13.32	18.65	66780	67550	93510	94580	1.30	8.0	16.3	
4	1.467	6	0.741	0.44	0.431	12.97	18.22	65000	66350	91310	93210	1.40	8.0	17.5	
5	0.662	4	0.498	0.20	0.195	6.83	8.69	75320	77250	95770	98230	1.00	8.0	12.5	
6	0.655	4	0.494	0.20	0.192	6.83	8.69	75320	78450	95770	99760	1.00	8.0	12.5	
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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

Naeem Akhtar
 Director, Usman Ibrahim Construction, Lahore

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

Client Reference: Nil

SOM Lab

Ref: 1224 (Page-1/1)

Dated: 08-11-2022

Dated: 08-11-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Def. 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	1.448	6	0.736	0.44	0.426	13.56	18.65	67960	70190	93510	96580	1.40	8.0	17.5	
2	1.428	6	0.731	0.44	0.420	15.41	20.41	77260	80940	102290	107160	1.30	8.0	16.3	
3	0.688	4	0.507	0.20	0.202	7.00	9.14	77230	76460	100830	99830	1.10	8.0	13.8	
4	0.698	4	0.511	0.20	0.205	6.73	9.14	74190	72380	100830	98370	1.20	8.0	15.0	
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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

Muhammad Rajab

Test Performed By:

Dr. /Engr. Asad Ali Gillani

ME Kachhi Canal Rem.Works Consults-(KC-06B(3R)Const. Of Main Canal And Distribution System)

Client Reference: KCB(QA/QC)KC-6B(3R)/UET/07

SOM Lab

Ref: 1223 (Page-1/1)

Dated: 07-11-2022

Dated: 08-11-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Noome 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	2.665	8	0.998	0.79	0.783	24.22	33.64	67620	68220	93910	94750	1.30	8.0	16.3	
2	2.659	8	0.997	0.79	0.781	24.87	34.02	69440	70240	94970	96060	1.50	8.0	18.8	
3	0.592	4	0.471	0.20	0.174	5.47	8.38	60370	69390	92400	106210	1.20	8.0	15.0	
4	0.595	4	0.472	0.20	0.175	5.44	8.46	60030	68600	93300	106630	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

Muhammad Ashraf,CE

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

For MLWC Punjab Lhr.(Const Of 06 Residences For employees At MLWC, Choa Saiden Shah)

Client Reference: MLW/C.E/MT/50/17/14278

SOM Lab

Ref: 1225 (Page-1/2)

Dated: 07-11-2022

Dated: 08-11-2022

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	0.567	4	0.461	0.20	0.167	4.86	7.65	53620	64220	84310	100970	1.40	8.0	17.5	
2	0.568	4	0.461	0.20	0.167	4.84	7.72	53400	63950	85100	101910	1.30	8.0	16.3	
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BEND TEST:

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

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

Muhammad Ashraf,CE

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

For MLWC Punjab Lhr.(Estb Of MLW Dispensary at Talagang Road Zone 3 Mithrala Distt Chakwal)

Client Reference: MLW/C.E/MT/50/17/14277

SOM Lab

Ref: 1225 (Page-2/2)

Dated: 07-11-2022

Dated: 08-11-2022

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	0.570	4	0.462	0.20	0.168	5.05	7.70	55650	66240	84870	101040	1.40	8.0	17.5	
2	0.570	4	0.462	0.20	0.168	4.94	7.65	54520	64910	84310	100370	1.20	8.0	15.0	
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BEND TEST:

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

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

Engr Shafiq Ahmad,RE

Test Performed By:

Dr. /Engr. Asad Ali Gillani

New Vision Engg Consult.Lhr.(Const Of ARC Furnace Foundation,Transformer,Control Panel Rooms)

Client Reference: NVEC/RE/R-way/22/39-A

SOM Lab

Ref: 1226 (Page-1/1)

Dated: 31-05-2022

Dated: 08-11-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Def. Bar(Bashir Sons Supreme 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	1.279	6	0.692	0.44	0.376	10.77	17.48	54010	63200	87630	102540	1.00	8.0	12.5	
2	1.293	6	0.696	0.44	0.380	10.93	17.91	54780	63420	89780	103950	1.10	8.0	13.8	
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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

Associate Consulting Engineers
(ACE)

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

RE (ACE) UAEET Sambrial,Sialkot.(Estb Of UAEET Sambrial,Sialkot)

SOM Lab

Ref:

1228 (Page-1/1)

Client Reference: TE/UAEET/ACE/2022/75

Dated: 08-11-2022

Dated:

08-11-2022

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed Bar (A.F

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	1.501	6	0.749	0.44	0.441	13.65	20.15	68420	68260	101020	100790	1.10	8.0	13.8	
2	1.501	6	0.749	0.44	0.441	13.45	20.03	67400	67240	100400	100170	1.20	8.0	15.0	
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Witnessed By:

Muhammad Zohaib Riaz (Junior Engineer, QA/QC ACE Consultant)

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