

Muhammad Shaukat

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Manager Monitoring & Coordination, Shajar Roads Ltd.(Dualization Of Skp-Grw Road)

Client Reference: MMC/SRL/SGRP/187

Dated: 24-03-2022

SOM Lab Ref: CED/SOM/031(Page-1/1)

Dated: 25-03-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar (Batala 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	0.877	12	11.94	113	112	53.00	77.00	469	474	681	688	30.0	200	15.0	
2	0.883	12	11.97	113	112	52.70	78.20	466	469	691	696	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

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 47KM)

Client Reference: SA-466-A/SMH/22/1538

SOM Lab

Ref:

0223 (Page-1/1)

Dated: 05-03-2022

Dated:

24-03-2022

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	2.570	8	0.980	0.79	0.755	27.54	35.27	76900	80460	98470	103030	1.30	8.0	16.3	
2	2.574	8	0.981	0.79	0.756	27.50	35.58	76780	80230	99320	103790	1.30	8.0	16.3	
3	1.511	6	0.752	0.44	0.444	13.17	18.35	66020	65420	91970	91140	1.50	8.0	18.8	
4	1.556	6	0.763	0.44	0.457	14.04	19.01	70360	67740	95290	91750	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
# 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

Munir Raza
Riz Builders.(Monoo Squash Court,Aitchison College Lahore)

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

Client Reference: Nil

SOM Lab

Ref: 023 (Page-1/1)

Dated: 24-03-2022

Dated: 24-03-2022

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	2.665	8	0.998	0.79	0.783	24.01	34.63	67020	67620	96670	97540	1.40	8.0	17.5	
2	1.489	6	0.747	0.44	0.438	12.59	19.42	63100	63390	97340	97780	1.30	8.0	16.3	
3	0.666	4	0.500	0.20	0.196	7.14	9.63	78690	80290	106230	108400	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

Muneeb Ahmad Tarar
Project Engr.Centure Ventures, Lahore

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

Client Reference: CV1/SRT/01
Dated: 21-03-2022
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 024 (Page-1/1)
Dated: 24-03-2022
Test Specification: ASTM-A-615
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	2.691	8	1.004	0.79	0.791	25.08	33.46	70010	69920	93400	93280	1.60	8.0	20.0	
2	2.668	8	0.999	0.79	0.784	24.87	35.12	69440	69970	98040	98790	1.30	8.0	16.3	
3	1.488	6	0.746	0.44	0.437	12.56	18.06	62950	63380	90540	91160	1.60	8.0	20.0	
4	1.488	6	0.746	0.44	0.437	13.63	19.90	68320	68790	99740	100420	1.30	8.0	16.3	
5	0.657	4	0.496	0.20	0.193	6.68	8.84	73630	76300	97460	100990	1.20	8.0	15.0	
6	0.653	4	0.494	0.20	0.192	6.54	8.79	72170	75180	96900	100930	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

Sub Divisional officer,

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

Fqd Link SD Farooqabad.(Const Of New Q.B Link Office Complex,Residences And Boundary Wall)

Client Reference: 114/OR

SOM Lab

Ref: 025 (Page-1/1)

Dated: 12-03-2022

Dated: 24-03-2022

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	4.61	6.60	50810	60850	72730	87100	1.20	8.0	15.0	
2	0.537	4	0.449	0.20	0.158	4.59	6.60	50590	64030	72730	92060	1.20	8.0	15.0	
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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

Deputy Director (Works)

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

PD Of The Scheme,(Const Of 06 Residences At Mines Labour Welfare Complex Choa Saiden Shah)

Client Reference: MLW/C.E/MT/50/17/3081

SOM Lab

Ref: 026 (Page-1/1)

Dated: 16-03-2022

Dated: 24-03-2022

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	0.678	4	0.503	0.20	0.199	6.73	10.01	74190	74560	110390	110940	1.00	8.0	12.5	
2	0.684	4	0.506	0.20	0.201	6.65	9.91	73290	72930	109260	108720	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

Engr. Naveed Sadiq
RE Orbit Housing. Lahore. (The Springs Apartment Homes)

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

Client Reference: Nil

SOM Lab

Ref: 028 (Page-1/1)

Dated: 24-03-2022

Dated: 24-03-2022

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	2.648	8	0.995	0.79	0.778	24.43	35.68	68220	69270	99600	101140	1.30	8.0	16.3	
2	2.723	8	1.009	0.79	0.800	24.18	35.85	67500	66660	100090	98840	1.50	8.0	18.8	
3	1.508	6	0.751	0.44	0.443	13.88	20.03	69590	69120	100400	99720	1.40	8.0	17.5	
4	1.499	6	0.749	0.44	0.441	13.20	19.42	66170	66020	97340	97120	1.50	8.0	18.8	
5	0.661	4	0.497	0.20	0.194	6.65	9.02	73290	75560	99480	102560	1.10	8.0	13.8	
6	0.673	4	0.502	0.20	0.198	6.57	9.63	72510	73240	106230	107300	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

Engr. M Abbas

Test Performed By:

Dr. /Engr.

S Asad Ali Gillani

RE City Survey & Engg. Consultants,Lahore.(Green View Executive Apartments Ph-V)

Client Reference: GVA/RE/05/22

SOM Lab

Ref:

030 (Page-1/1)

Dated: 24-03-2022

Dated:

24-03-2022

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	2.693	8	1.004	0.79	0.791	24.77	34.96	69160	69070	97610	97490	1.50	8.0	18.8	
2	2.691	8	1.004	0.79	0.791	24.99	35.12	69780	69690	98040	97910	1.30	8.0	16.3	
3	1.523	6	0.755	0.44	0.448	13.71	19.88	68730	67500	99640	97860	1.50	8.0	18.8	
4	1.522	6	0.754	0.44	0.447	13.68	19.83	68570	67500	99380	97820	1.70	8.0	21.3	
5	0.674	4	0.502	0.20	0.198	6.39	9.48	70480	71190	104540	105600	1.20	8.0	15.0	
6	0.676	4	0.503	0.20	0.199	6.32	9.53	69700	70050	105100	105630	1.10	8.0	13.8	
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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

Test Performed by: Dr. Syed Asad Ali Gillani

Technical Manager
Shenjiao Engineering Company
Lahore

Client Reference No.: Nil

Dated: 21-03-2022

SOM Lab Ref: CED/SOM/029 (Page 1/1)

Dated: 24-03-2022

Test Type: Tensile Test

Sample Type: Nut Bolts (HS Hex Head Bolts)

Tensile Test Results

Sample No.	Sample Type (Bolt)	Tested Diameter of Bolt (mm)	Ultimate Load (kN)	Ultimate Tensile Stress (MPa)	% Elongation	Remarks
1	M20 x 85mm	14.0	183.7	1193.33	25	Samples Breaks
2	M20 x 75mm	14.3	183.0	1139.43	-----	Thread failure
3	M20 x 70mm	14.3	176.7	1100.20	25	Samples Breaks
4	M20 x 65mm	14.3	183.0	1139.47	25	Samples Breaks
5	M20 x 60mm	14.3	175.0	1089.66	30	Samples Breaks
6	M20 x 50mm	14.0	139.0	902.96	-----	Thread failure
7	M12 x 35mm	8.5	34.5	607.98	25	Thread failure

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