

Assistant Director Engg, -I
Gujranwala Development Authority, Gijranwala

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: GDA/ADE/07

SOM Lab

Ref: 3533(Page-1/1)

Dated: 28-11-2020

Dated: 31-12-2020

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	0.644	4	0.491	0.20	0.189	5.47	7.90	60370	63880	87120	92190	1.40	8.0	17.5	
2	0.644	4	0.491	0.20	0.189	5.50	7.87	60700	64240	86780	91830	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

Abrar Hussain
G. M - Engineering, Mughals Pakistan (Ovt) Ltd.

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

Client Reference: 786/MPL-0072/301201/2020

SOM Lab
Ref: 3535(Page-1/1)

Dated: 30-12-2020

Dated: 31-12-2020

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	22.99	36.09	64180	64500	100740	101250	1.40	8.0	17.5	
2	2.582	8	0.983	0.79	0.759	21.87	35.04	61040	63540	97810	101810	1.20	8.0	15.0	
3	1.481	6	0.744	0.44	0.435	12.74	19.32	63870	64610	96830	97940	1.50	8.0	18.8	
4	1.485	6	0.745	0.44	0.436	12.64	19.47	63360	63940	97590	98490	1.40	8.0	17.5	
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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	

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

Sub Divisional Officer
Public Health Engg: Sub Division Khushab

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

Client Reference: 774/KHB

SOM Lab

Ref: 3538(Page-1/1)

Dated: 30-12-2020

Dated: 31-12-2020

Test: Tension 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	0.662	4	0.498	0.20	0.195	5.45	9.48	60140	61680	104540	107220	1.20	8.0	15.0	
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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

Sub Divisional Officer
Public Health Engg: Sub Division Khushab

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

Client Reference: 775/KHB

SOM Lab

Ref: 3538(Page-2/2)

Dated: 30-12-2020

Dated: 31-12-2020

Test: Tension 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	5.96	9.35	65760	67450	103080	105720	1.10	8.0	13.8	
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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

Rizwan Ahmed
Executive Officer (Works) Punjab Safe Cityies Authority, Lahore

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

Client Reference: 13331/Works/PSCA/2020

SOM Lab
Ref: 3539(Page-1/1)

Dated: 30-12-2020

Dated: 31-12-2020

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	0.664	4	0.498	0.20	0.195	7.03	9.25	77560	79550	101960	104570	1.10	8.0	13.8	
2	0.677	4	0.503	0.20	0.199	6.52	8.79	71940	72310	96900	97380	1.00	8.0	12.5	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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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 Imran Zahid
A. Senior Engineer, University of Education, Lahore

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: UE/Engg/UE-20/810

SOM Lab
Ref: 3540(Page-1/1)

Dated: 28-12-2020

Dated: 31-12-2020

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615
Deformed Bar(AF
Steel)

Gauge Length: 8 inch

Sample Type:

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	24.69	33.15	68930	68840	92550	92430	1.40	8.0	17.5	
2	2.646	8	0.995	0.79	0.778	25.79	34.05	72000	73110	95050	96520	1.20	8.0	15.0	
3	1.524	6	0.755	0.44	0.448	13.63	19.54	68320	67100	97950	96200	1.30	8.0	16.3	
4	1.510	6	0.752	0.44	0.444	13.17	19.11	66020	65420	95800	94940	1.30	8.0	16.3	
5	0.661	4	0.497	0.20	0.194	5.88	8.74	64860	66870	96340	99310	1.20	8.0	15.0	
6	0.668	4	0.500	0.20	0.196	5.96	8.84	65760	67100	97460	99450	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

M/S PEGASUS Contractors (Pvt)
Ltd.

Test Performed By: Dr. /Engr. Nauman Khurram

Project Name: Construction of Tunnel at Lammu & Kashmir Monument at Muzaffarabad

Client Reference: nil

SOM Lab

Ref: 3541(Page-1/1)

Dated: 31-12-2020

Dated: 31-12-2020

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	1.529	6	0.756	0.44	0.449	13.02	21.27	65250	63940	106640	104500	1.30	8.0	16.3	
2	1.049	5	0.626	0.31	0.308	9.53	15.39	67810	68250	109510	110220	1.00	8.0	12.5	
3	0.658	4	0.496	0.20	0.193	6.52	9.79	71940	74550	107910	111830	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
# 5	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: S. Asad Ali Gillani

Syed Amjad Ali Shah
Resident Engineer (Section-3)
CAREC – T-1 Corridor Development Programme
Dara Adam Khel Project Peshawar

Client Reference: RE/CAREC/DAKP/393

Dated: 22-12-2020

SOM Laboratory Reference: CED/SOM/3514(Page-1/1)

Dated: 28-12-2020

Test: Compressive Strength Tests

Sample Type: CAT – EYES (Raised Profile Type) Brand -M-3

Test Specification: ASTM-D4280

Test Results

Sr. No.	Top Dimensions (mm)	Bottom Dimensions (mm)	Thickness (mm)	Inclination (Degree)	Compression Load (Kg)
1	75.05 x 45.5	101.2 x 89.0	15.6	30.86°	12130.0

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

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

Maj Adnan Khalid ®

Dy Dir MTL.

Testing of J-Bolt, Const of (U/G) External Elec Works, Pkg -3, Sector –J-1

DHA Phase-IX – (M/S FWO)

Client Reference: 408/241/E/1076A/1186

Dated: 31-12-2020

SOM Lab Ref: CED/SOM/3534(Page-1/2)

Dated: 31-12-2020

Test: Tension Test

Test Specification: ASTM-F -1554

Sample Type: J Bolt

Gauge Length: 200 mm

S.No.	Dia.		Area	Yield Load	Ultimate Load	Yield Stress	Ultimate. Stress	Elongation	Gauge Length	%age Elongation	Reduction of Area
	Original Diameter	Tested Diameter									
	mm	mm	mm ²	kN	kN	MPa	MPa	mm	mm	%	%
1	25	26.95	489	191.00	283.00	391	579	47.5	200	23.8	45.6
2	25	25.22	499	187.70	276.00	376	553	50.0	200	25.0	41.2
3	25	24.93	488	189.00	276.00	388	566	47.5	200	23.8	44.9

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. /Engr. S. Asad Ali Gillani

Maj Adnan Khalid ®

Dy Dir MTL.

Testing of Anchor Bolt, Const of (U/G) External Elec Works, Pkg -3, Sector –J-1

DHA Phase-IX – (M/S FWO)

Client Reference: 408/241/E/1077/1019

Dated: 31-12-2020

SOM Lab Ref: CED/SOM/3534(Page-2/2)

Dated: 31-12-2020

Test: Tension Test

Test Specification: ASTM-F -606

Sample Type: Anchor Bolt (Y Bolt)

Gauge Length: 50 mm

S.No.	Dia.		Area	Yield Load	Ultimate Load	Yield Stress	Ultimate. Stress	Elongation	Gauge Length	%age Elongation	Reduction of Area
	Original Diameter	Tested Diameter									
	mm	mm	mm ²	kN	kN	MPa	MPa	Mm	mm	%	%
1	12	8.5	56.75	21.0	30.5	370.0	537	7.5	50.0	15.0	51.8
2	12	8.5	56.75	22.7	31.7	400	558	10.0	50.0	20.0	48.7
3	12	8.5	56.75	20.7	30.1	364	530	8.75	50.0	17.5	56.6

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. /Engr. S. Asad Ali Gillani

Maj Adnan Khalid ®

Dy Dir MTL.

Testing of J-Bolt, Const of (U/G) External Elec Works, Pkg -3, Sector –J-1

DHA Phase-IX – (M/S FWO)

Client Reference: 408/241/E/1076A/1186

Dated: 31-12-2020

SOM Lab Ref: CED/SOM/3534(Page-1/2)

Dated: 31-12-2020

Test: Tension Test

Test Specification: ASTM-F -1554

Sample Type: J Bolt

Gauge Length: 200 mm

S.No.	Dia.		Area	Yield Load	Ultimate Load	Yield Stress	Ultimate. Stress	Elongation	Gauge Length	%age Elongation	Reduction of Area
	Original Diameter	Tested Diameter									
	mm	mm	mm ²	kN	kN	MPa	MPa	mm	mm	%	%
1	25	26.95	489	191.00	283.00	391	579	47.5	200	23.8	45.6
2	25	25.22	499	187.70	276.00	376	553	50.0	200	25.0	41.2
3	25	24.93	488	189.00	276.00	388	566	47.5	200	23.8	44.9

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. Asad Ali Gillani

General Manager
United Wire Products Co.
G. T. Road Salamatpura Bus Stop.Lahore

Client Reference No.: Nil

Dated: 31-12-2020

SOM Lab Ref: CED/SOM/3536 (Page 1/1)

Dated: 31-12-2020

Test Type: Tensile Test

Sample Type: Hot Dip Wire (SWG-16)

Tensile Test Results

Sample No.	Sample Type	Sample Dia (mm)	Ultimate Load (kN)	Ultimate Tensile Strength (MPa)	Ultimate Tensile Stress (ksi)
1	Hot Dip Wire SWG-16	1.6	0.7	348.16	50.496

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

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

Maj Adnan Khalid ®

Dy Dir MTL.

Testing of Anchor Bolt, Const of (U/G) External Elec Works, Pkg -3, Sector –J-1

DHA Phase-IX – (M/S FWO)

Client Reference: 408/241/E/1053/794

Dated: 10-12-2020

SOM Lab Ref: CED/SOM/3446(Page-2/2)

Dated: 16-12-2020

Test: Tension Test

Test Specification: ASTM-F -606

Sample Type: Anchor Bolt (Y Bolt)

Gauge Length: 50 mm

S.No.	Dia.		Area	Yield Load	Ultimate Load	Yield Stress	Ultimate. Stress	Elongation	Gauge Length	%age Elongation	Reduction of Area
	Original Diameter	Tested Diameter									
	mm	mm	mm ²	kN	kN	MPa	MPa	mm	mm	%	%
1	12	8.5	56.75	17.7	24.0	311	422	15.0	50.0	30.0	50.2
2	12	8.5	56.75	20.0	30.7	352	541	15.0	50.0	30.0	48.5
3	12	8.5	56.75	21.0	31.0	370	546	16.25	50.0	32.5	46.80

Note:-

Only Three Samples
Received and Tested

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

