

Assitant Executive Engineer
Pakistan Railways, Pakistan Railways, Faisalabad

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: W/3/Spl/2019

Dated: 08-06-2019

Test: Tension Test & Bend Test

Test Specification:

SOM Lab

Ref: 999(Page-1/1)

Dated: 24-06-2019

ASTM-A-615

Deformed

Bar

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	1.448	6	0.736	0.44	0.426	16.26	19.78	81500	84180	99130	102380	1.00	8.0	12.5	
2	0.656	4	0.496	0.20	0.193	6.47	8.31	71380	73970	91610	94940	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

Engr. Muhammad Mubashar
Raja

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

Resident Engineer, COE, Tandlianwala Distt, Faisalabad Al -Imam Enterprises (Pvt) Ltd)

Client Reference: RE/UET/CETW/06/19/81

SOM Lab 1000(Page-
Ref: 1/1)

Dated: 19-06-2019

Dated: 24-06-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Guage Length: 8 inch

Sample Type:

Deformed Bar(FF 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	1.502	6	0.749	0.44	0.441	16.02	20.23	80320	80140	101420	101190	1.20	8.0	15.0	
2	1.513	6	0.753	0.44	0.445	16.26	20.41	81500	80580	102290	101140	1.30	8.0	16.3	
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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

Khushi Mohammad & Brothers
Construction Company, (Subject: Beaconhouse School Sahiwal)

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

Client Reference: nil
Dated: nil

SOM Lab
Ref: 1002(Page-1/1)
Dated: 24-06-2019

Test: Tension Test & Bend Test Test Specification:

ASTM-A-615
Deformed
Bar

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	2.570	8	0.980	0.79	0.755	22.53	33.46	62890	65810	93400	97730	1.30	8.0	16.3	
2	1.460	6	0.739	0.44	0.429	12.66	17.89	63460	65090	89670	91970	1.40	8.0	17.5	
3	0.653	4	0.494	0.20	0.192	6.12	8.46	67450	70260	93300	97190	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	
# 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. Ahad Johri

Ahad And Associates, Consulting Engineers & Planners,(Project: 76-A Commercial Plaza Guberg, Lahore)

Test Performed By: Dr. /Engr. M. Rizwan Riaz

Client Reference: Nil

Dated: 24-06-2019

SOM Lab Ref: 1003(Page-1/1)

Dated: 24-06-2019

Test: Tension Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

ASTM-A-615

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	1.437	6	0.733	0.44	0.422	13.12	17.25	65760	68570	86450	90140	1.50	8.0	18.8	
2	0.644	4	0.491	0.20	0.189	5.63	7.03	62050	65660	77560	82080	1.70	8.0	21.3	
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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

Wajid Ali Shah
GM - Works, FF Steel Lahore

Test Performed By: Dr. /Engr.

s. Asad Ali Gillani

Client Reference: Nil

SOM Lab

Ref: 1004(Page-1/1)

Dated: 20-06-019

Dated: 24-06-2019

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	1.059	5	0.629	0.31	0.311	10.60	14.95	75420	75180	106390	106050	1.30	8.0	16.3	
2	1.055	5	0.628	0.31	0.310	10.70	15.06	76150	76150	107120	107120	1.10	8.0	13.8	
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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

Sub Divisional Officer
Buildings Sub Division, Toba Tek Singh

Test Performed By: Dr. /Engr. Ubaid A Mughal

Client Reference: 2452-

SOM Lab

Ref: 1007 (Page-1/2)

Dated: 29-05-2019

Dated: 24-06-2019

Test: Tension 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	1.483	6	0.745	0.44	0.436	16.23	19.57	81340	82090	98100	99000	1.00	8.0	12.5	
2	0.661	4	0.497	0.20	0.194	7.72	9.55	85100	87730	105330	108590	1.00	8.0	12.5	
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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

Sub Divisional Officer
Buildings Sub Division, Toba Tek Singh

Test Performed By: Dr. /Engr. Ubaid A Mughal

Client Reference: 2196-
Dated: 29-04-2019

SOM Lab
Ref: 1007 (Page-2/2)
Dated: 24-06-2019

Test: Tension Test & Bend Test Test Specification:

ASTM-A-615
Deformed
Bar

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	1.486	6	0.746	0.44	0.437	18.20	21.87	91210	91830	109600	110350	1.10	8.0	13.8	
2	1.501	6	0.749	0.44	0.441	18.73	22.27	93860	93650	111640	111390	1.00	8.0	12.5	
3	0.652	4	0.494	0.20	0.192	6.88	8.31	75880	79040	91610	95430	1.00	8.0	12.5	
4	0.658	4	0.496	0.20	0.193	7.44	8.94	82060	85040	98580	102160	0.90	8.0	11.3	
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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