

Director Projects
Innovative® Construction Company, Lahore

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

Client Reference: ICL/ISM/SKT/039/02

Dated: 27-03-2019

Test: Tension Test & Bend Test

Test Specification:

SOM Lab

Ref: 550(Page-1/1)

Dated: 28-.3-2019

ASTM-A-615

Deformed Bar (Karachi 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	1.039	5	0.623	0.31	0.305	9.45	14.09	67230	68330	100230	101870	1.50	8.0	18.8	
2	1.038	5	0.623	0.31	0.305	9.25	14.09	65780	66860	100230	101870	1.40	8.0	17.5	
3	0.658	4	0.496	0.20	0.193	7.08	8.74	78130	80960	96340	99830	1.00	8.0	12.5	
4	0.661	4	0.497	0.20	0.194	6.52	8.26	71940	74170	91050	93870	1.00	8.0	12.5	
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BEND TEST:

# 5	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

Sajid Mahmood
Manager Construction Projects, Allied Bank

Test Performed By: Dr. /Engr. Bilal A. Khokhar

Client Reference: HOL/Engg C.P./SM/2019

SOM Lab

Ref: 551(Page-1/1)

Dated: 28-03-2019

Dated: 28-03-2019

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	1.511	6	0.752	0.44	0.444	14.02	20.85	70260	69620	104490	103550	1.30	8.0	16.3	
2	1.509	6	0.751	0.44	0.443	13.83	20.90	69340	68870	104750	104040	1.30	8.0	16.3	
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Witnessed By: Hanif Bashir, ABL

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

Ajaz Ahmad Gondal

Acting Chief Resident Engineer, Trimu Panjnad Barrages Consultants(TPB Consultants)

Test Performed By:

Dr. /Engr.

S Asad Ali
Gillani

Client Reference: TPBC/CRE/1688

SOM Lab Ref: 552(Page-1/1)

Dated: 27-03-2019

Dated: 28-03-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar(Fazal Steel
Islamabad)

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	2.564	8	0.980	0.79	0.754	27.42	34.83	76550	80210	97240	101880	1.00	8.0	12.5	
2	2.571	8	0.981	0.79	0.756	26.81	34.30	74850	78210	95760	100070	1.30	8.0	16.3	
3	1.476	6	0.743	0.44	0.434	15.49	19.34	77670	78740	96930	98270	1.20	8.0	15.0	
4	1.486	6	0.746	0.44	0.437	15.39	19.22	77160	77680	96320	96980	1.40	8.0	17.5	
5	1.499	6	0.749	0.44	0.441	16.21	20.59	81240	81060	103210	102980	1.00	8.0	12.5	
6	1.494	6	0.748	0.44	0.439	16.72	20.80	83800	83990	104230	104470	1.00	8.0	12.5	
7	0.663	4	0.498	0.20	0.195	6.01	9.50	66320	68020	104770	107450	1.20	8.0	15.0	
8	0.666	4	0.500	0.20	0.196	6.01	9.50	66320	67680	104770	106900	1.20	8.0	15.0	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 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

Executive Engineer,
Highways Division, Nankana Sahib

Test Performed By:

Dr. /Engr.

S Asad Ali
Gillani

Client Reference: 1692/M/CB

Dated: 15-03-2019

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref:

Dated:

ASTM-A-615
Deformed
Bar

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28-03-2019

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	1.478	6	0.743	0.44	0.434	11.95	16.79	59890	60710	84160	85320	1.80	8.0	22.5	
2	1.467	6	0.741	0.44	0.431	11.95	16.84	59890	61140	84410	86170	1.80	8.0	22.5	
3	0.648	4	0.492	0.20	0.190	6.22	8.56	68570	72180	94420	99390	1.50	8.0	18.8	
4	0.670	4	0.501	0.20	0.197	5.71	8.00	62950	63910	88240	89590	1.80	8.0	22.5	
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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

Executive Engineer,
Highways Division, Nankana Sahib

Test Performed By:

Dr. /Engr.

S Asad Ali
Gillani

Client Reference: 1693/M/CB

Dated: 15-03-2019

Test: Tension Test & Bend Test

Test Specification:

SOM Lab

Ref:

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Dated:

28-03-2019

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	1.470	6	0.742	0.44	0.432	11.01	15.89	55190	56210	79660	81130	1.60	8.0	20.0	
2	1.468	6	0.741	0.44	0.431	10.93	15.82	54780	55920	79300	80960	1.60	8.0	20.0	
3	0.670	4	0.501	0.20	0.197	4.99	6.93	55080	55920	76440	77600	1.40	8.0	17.5	
4	0.666	4	0.500	0.20	0.196	5.25	7.56	57890	59070	83410	85110	1.50	8.0	18.8	
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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

S. Shaukat Hussain

Incharge (Civil) For Managing Director, Sui Northern Gas Pipelines Ltd. Lahore

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: CC/62/CMS/LHR

Dated: 28-03-2019

Test: Tension Test

Test Specification:

SOM Lab

Ref:

555(Page-1/1)

Dated:

28-03-2019

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	0.710	4	0.516	0.20	0.209	6.65	10.11	73290	70140	111510	106710	1.20	8.0	15.0	
2	0.706	4	0.513	0.20	0.207	6.54	9.96	72170	69730	109820	106110	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

Muhammad Din
Sub Div. Officer Multan PASSCO Div. Multan.

Test Performed By: Dr. /Engr. Qasim Khan

Client Reference: PASSCO/EE/MTN/19/62

SOM Lab

Ref: 556 (Page-1/1)

Dated: 20-03-2019

Dated: 28-03-2019

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	2.424	8	0.952	0.79	0.712	16.97	25.66	47390	52580	71630	79480	1.20	8.0	15.0	
2	2.415	8	0.951	0.79	0.710	16.59	25.25	46300	51520	70490	78430	1.20	8.0	15.0	
3	0.659	4	0.497	0.20	0.194	7.26	9.12	80040	82510	100610	103720	1.10	8.0	13.8	
4	0.662	4	0.498	0.20	0.195	7.56	9.30	83410	85550	102520	105150	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

M. Munir
Construction Manager, Minky & Associates (Pvt) Lahore

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

Client Reference: MA/UET/34/19328

SOM Lab

Ref: 557(Page-1/1)

Dated: 28-03-2019

Dated: 28-03-2019

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	1.502	6	0.749	0.44	0.441	15.62	21.89	78280	78100	109700	109450	1.00	8.0	12.5	
2	0.661	4	0.497	0.20	0.194	5.98	9.16	65990	68030	101060	104180	1.30	8.0	16.3	
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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