

Syed Samiuddin Ahmed

Test Performed By:

Dr. /Engr.

S Asad Ali Gillani

Senior Resident Engineer, ProMag (Pvt) Ltd Site Office - DHA, Mattital Road, Multan

Client Reference: CRE/Sec-C/197

Dated: 01-01-2019

SOM Lab Ref: CED/SOM/74(Page-1/1)

Dated: 04-01-2019

Test: Tension & Bend Test

Test Specification:

ASTM-A 615

Sample Type: Deformed Steel Bar

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	2.241	19	19.05	284	285	156.00	195.20	550	548	688	685	37.5	200	18.8	
2	2.236	19	19.04	284	285	153.70	199.70	542	540	704	702	35.0	200	17.5	
3	1.605	16	16.13	201	204	110.70	154.20	551	542	767	755	27.5	200	13.8	
4	1.594	16	16.08	201	203	105.50	140.20	525	520	697	691	30.0	200	15.0	
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BEND TEST:

19mm	Sample bend through 180 degrees Satisfactorily without any crack	<p>Note:-</p> <p>Only Six Samples Received and Tested</p>
16mm	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

Nasir Mahmood

Test Performed By: Dr./Engr. M Rehan Ashraf

Resident Engineer, Project Management Department, Al-Imam Enterprises (Pvt) Ltd Lahore

Client Reference: Al-Imam/746/PS-1/DHA/LHE/727

Dated: 24-12-2018

SOM Lab Ref: CED/SOM/82(Page-1/1)

Dated: 04-01-2019

Test: Tension and Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Steel Bar(Kamran 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	4.104	25	25.81	491	523	284.50	400.50	580	544	816	766	32.5	200	16.3	
2	4.146	25	25.93	491	528	284.00	400.00	579	538	815	758	30.0	200	15.0	
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BEND TEST:

25mm	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

Salman Ahmad Sayal

Test Performed By:

Dr. /Engr. M Rizwan Riaz

Architect & Partner, Design Dimensions,(Project: Bank Al Habib Ltd, Canal Road Premises-Faisalabad)

Client Reference: DD/BAHL-CRDFBD/RS/001

SOM Lab Ref: 75(page-1/1)

Dated: 03-01-2019

Dated: 04-01-2019

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	2.609	8	0.988	0.79	0.767	31.21	38.63	87140	89750	107860	111090	1.20	8.0	15.0	
2	2.604	8	0.987	0.79	0.765	31.29	38.43	87370	90220	107290	110790	1.30	8.0	16.3	
3	1.461	6	0.739	0.44	0.429	18.55	22.43	92990	95380	112410	115290	1.00	8.0	12.5	
4	1.467	6	0.741	0.44	0.431	18.71	22.88	93760	95720	114710	117100	0.90	8.0	11.3	
5	0.650	4	0.493	0.20	0.191	5.93	7.95	65420	68510	87680	91810	1.20	8.0	15.0	
6	0.650	4	0.493	0.20	0.191	5.91	7.92	65200	68270	87340	91460	1.50	8.0	18.8	
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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

Maj Adnan khalid®

Test Performed By:

Dr. /Engr. M Rizwan Riaz

Dy Dir MTL, Const. of 1-Kanal Villas at DRGCC Club House DHA Ph-6 (M/S Linker Developers Pvt. Ltd.)

Client Reference: 408/241/E/Lab/391/276

SOM Lab Ref: 76(Page-1/1)

Dated: 03-01-2019

Dated: 04-01-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Ittefaq 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	0.657	4	0.496	0.20	0.193	6.24	9.40	68800	71290	103640	107400	1.00	8.0	12.5	
2	0.661	4	0.497	0.20	0.194	6.24	9.45	68800	70920	104200	107430	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

Assistant Engineer Bridges,
Pakistan Railways Sukkur

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

Client Reference: 56-W/326/2016/loose/460

SOM Lab

Ref: 79(Page-1/1)

Dated: 02-01-2019

Dated: 04-01-2019

Test: Tension Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar(Amreli 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	1.642	6	0.784	0.44	0.483	17.40	23.19	87220	79460	116240	105890	1.20	8.0	15.0	
2	1.642	6	0.784	0.44	0.483	17.69	23.31	88650	80760	116850	106450	1.40	8.0	17.5	
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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 Yousaf Javed (Rtd.)
 Lt. Col, Project Director, Integrated Medical Care, DHA. Lahore

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

Client Reference: IMC-MAK/02

SOM Lab Ref: 81(Page-1/1)

Dated: 04-01-2019

Dated: 04-01-2019

Test: Tension Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

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	2.608	8	0.988	0.79	0.766	26.47	36.80	73910	76220	102730	105950	1.40	8.0	17.5	
2	2.611	8	0.988	0.79	0.767	28.21	36.60	78750	81110	102170	105230	1.60	8.0	20.0	
3	1.512	6	0.752	0.44	0.444	13.63	19.27	68320	67700	96570	95700	1.60	8.0	20.0	
4	1.514	6	0.753	0.44	0.445	13.58	19.27	68060	67300	96570	95490	1.50	8.0	18.8	
5	0.654	4	0.494	0.20	0.192	5.83	8.12	64300	66980	89590	93320	1.50	8.0	18.8	
6	0.644	4	0.491	0.20	0.189	5.93	8.18	65420	69230	90150	95400	1.30	8.0	16.3	
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-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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BEND TEST:

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

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

Salman Pervez
Resident Engineer, DAR Engineering

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

Client Reference: DB-78/DAR/RE/ME/2019/0168

SOM Lab

Ref: 84(Page-1/1)

Dated: 04-01-2019

Dated: 04-01-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

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	1.482	6	0.745	0.44	0.436	13.51	18.83	67700	68320	94370	95240	1.50	8.0	18.8	P-493
2	1.474	6	0.743	0.44	0.433	12.95	18.50	64890	65940	92740	94240	1.60	8.0	20.0	P-493
3	1.484	6	0.745	0.44	0.436	14.32	20.29	71790	72450	101680	102610	1.30	8.0	16.3	P-751
4	1.480	6	0.744	0.44	0.435	13.37	19.44	67040	67810	97440	98560	1.30	8.0	16.3	P-751
5	1.492	6	0.747	0.44	0.438	14.88	21.00	74600	74940	105260	105740	1.30	8.0	16.3	P-880
6	1.484	6	0.745	0.44	0.436	13.86	20.08	69490	70130	100660	101580	1.40	8.0	17.5	P-880
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BEND TEST:

# 6	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	
# 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

Wajid Ali Shah
GM - Works, FF Steel Lahore

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

Client Reference: Nil
Dated: 04-01-2019
Test: Tension Test

SOM Lab
Ref: 85(Page-1/1)
Dated: 04-01-2019

Gauge Length: 8 inch

Test Specification: 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	0.670	4	0.501	0.20	0.197	6.47	8.38	71380	72470	92400	93810	1.30	8.0	16.3	
2	0.671	4	0.501	0.20	0.197	6.34	8.28	69920	70990	91280	92670	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

Maj Adnan khalid®

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

Dy Dir MTL, Infra Dev Works Prism-IX, OHWT No 1,3,4, & 5 (Pkg-6 & 7) - (M/S FWO)

Client Reference: 408/241/E/Lab/394/208

SOM Lab

Ref: 86(Page-1/2)

Dated: 04-01-2019

Dated: 04-01-2019

Test: Tension Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Ittefaq 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	2.655	8	0.997	0.79	0.780	24.57	32.44	68590	69470	90550	91720	1.50	8.0	18.8	
2	2.618	8	0.990	0.79	0.769	32.11	37.99	89640	92090	106060	108960	1.40	8.0	17.5	
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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

Maj Adnan khalid®

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

Dy Dir MTL, Infra Dev Works Prism-IX, OHWT No 1 - 5 (Pkg-6 & 7) - (M/S FWO)

Client Reference: 408/241/E/Lab/393/230

SOM Lab

Ref: 86(Page-2/2)

Dated: 04-01-2019

Dated: 04-01-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Ittefaq 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	2.620	8	0.990	0.79	0.770	31.77	37.31	88700	91010	104160	106860	1.10	8.0	13.8	
2	2.625	8	0.991	0.79	0.771	30.17	36.97	84240	86310	103220	105760	1.20	8.0	15.0	
3	2.608	8	0.988	0.79	0.766	31.50	37.38	87940	90690	104360	107630	1.10	8.0	13.8	
4	2.602	8	0.987	0.79	0.765	30.48	37.28	85090	87870	104070	107470	1.10	8.0	13.8	
5	2.600	8	0.986	0.79	0.764	31.60	37.07	88220	91220	103500	107020	1.10	8.0	13.8	
6	2.606	8	0.988	0.79	0.766	30.17	37.18	84240	86880	103790	107040	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
# 8	Sample bend through 180 degrees Satisfactorily without any crack	
# 8	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

