

Muhammad Shafiq
 Engineer's Representative, NESPAK, (Pvt) Ltd. Lahore

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

Client Reference: 3957/13/MS/10/156
 SOM Lab Ref: CED/SOM/303(Page-1/1)
 Test: Tension Test
 Sample Type: Deformed Bar

Dated: 04-02-2019
 Dated: 14-02-2019
 Test Specification: ASTM-A 615
 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	3.974	25	25.38	491	506	201.20	309.70	410	398	631	613	37.5	200	18.8	
2	3.871	25	25.06	491	493	198.70	307.00	405	403	625	623	37.5	200	18.8	
3	3.859	25	25.02	491	492	182.00	268.70	371	371	547	547	45.0	200	22.5	
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BEND TEST:

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

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

Furqan-ul-Haq
General Manager, AYQ Development Pvt. (Ltd. Lahore)

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

Client Reference: nil

SOM Lab

Ref: 236(Page-2/2)

Dated: 04-02-2019

Dated: 04-02-2019

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	1.488	6	0.746	0.44	0.437	16.43	19.88	82370	82930	99640	100320	1.40	8.0	17.5	
2	1.490	6	0.747	0.44	0.438	15.41	19.24	77260	77610	96420	96860	1.30	8.0	16.3	
3	1.489	6	0.747	0.44	0.438	15.44	19.18	77410	77760	96160	96600	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

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

Muhammad Saeed Khan
 Dy, Project Director / Dry Ports, Pak. Rlys, Hd. Qrs, Office, Lahore

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

Client Reference: 334-W/33/DP/MGPR/2018

SOM Lab

Ref: 237(Page-1/1)

Dated: 02-02-2019

Dated: 04-02-2019

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	0.659	4	0.497	0.20	0.194	6.14	8.63	67670	69770	95210	98160	1.10	8.0	13.8	
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BEND TEST:

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

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

Manager Engineering
M/S Ali Zaman (Pvt) Ltd. Lahore

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

Client Reference: AZI-281-2019

SOM Lab

Ref: 239(Page-2/2)

Dated: 01-02-2019

Dated: 04-02-2019

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	1.030	5	0.621	0.31	0.303	12.03	14.78	85580	87550	105160	107590	1.10	8.0	13.8	
2	0.635	4	0.488	0.20	0.187	5.56	8.61	61270	65520	94990	101590	1.00	8.0	12.5	
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BEND TEST:

# 5	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

Ali Bilal Buttar
Project Manager, IKAN Engineering Services, Lahore

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

Client Reference: IKAN/Uni/08

SOM Lab

Ref: 298(Page-1/1)

Dated: 14-02-2019

Dated: 14-02-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed Bar (Kamran 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	2.595	8	0.986	0.79	0.763	24.36	34.35	68020	70420	95900	99300	1.00	8.0	12.5	
2	2.585	8	0.984	0.79	0.760	24.08	34.88	67220	69870	97380	101230	1.40	8.0	17.5	
3	1.484	6	0.745	0.44	0.436	13.91	19.34	69750	70390	96930	97820	1.20	8.0	15.0	
4	1.470	6	0.742	0.44	0.432	13.71	19.49	68730	70000	97690	99500	1.10	8.0	13.8	
5	0.652	4	0.494	0.20	0.192	6.49	8.38	71610	74590	92400	96250	1.00	8.0	12.5	
6	0.656	4	0.496	0.20	0.193	6.49	8.38	71610	74200	92400	95750	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

Muhammad Shafiq
 Engineer's Representative, NESPAK, (Pvt) Ltd. Lahore

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

Client Reference: 3957/13/MS/10/156
 SOM Lab Ref: CED/SOM/303(Page-1/1)
 Test: Tension Test
 Sample Type: Deformed Bar

Dated: 04-02-2019
 Dated: 14-02-2019
 Test Specification: ASTM-A 615
 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	3.974	25	25.38	491	506	201.20	309.70	410	398	631	613	37.5	200	18.8	
2	3.871	25	25.06	491	493	198.70	307.00	405	403	625	623	37.5	200	18.8	
3	3.859	25	25.02	491	492	182.00	268.70	371	371	547	547	45.0	200	22.5	
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BEND TEST:

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

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

Project Manager,
 IZHAR Construction (Pvt) Ltd. Lahore

Test Performed By: Dr. /Engr. M Yousaf

Client Reference: ICPL/EC/034

SOM Lab

Ref: 300(Page-1/1)

Dated: 08-02-2019

Dated:

14-02-2019

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	0.656	4	0.496	0.20	0.193	6.12	8.05	67450	69890	88800	92030	1.10	8.0	13.8	
2	0.655	4	0.494	0.20	0.192	6.14	7.85	67670	70490	86560	90160	1.00	8.0	12.5	
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BEND TEST:

# 3	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 Nabeel Hassan
Resident Engineer, NESPAK, (Pvt) Ltd. Lahore

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

Client Reference: 3817/31/07/SNH/041

SOM Lab

Ref: 301(Page-1/1)

Dated: 13-02-2019

Dated: 14-02-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed Bar (Kamran 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	2.631	8	0.992	0.79	0.773	27.93	35.68	77980	79690	99600	101790	1.40	8.0	17.5	
2	2.650	8	0.996	0.79	0.779	27.08	35.32	75610	76680	98610	100000	1.30	8.0	16.3	
3	1.435	6	0.733	0.44	0.422	17.96	22.17	90030	93870	111130	115870	1.20	8.0	15.0	
4	1.455	6	0.738	0.44	0.428	18.45	22.50	92480	95080	112770	115930	1.20	8.0	15.0	
5	0.660	4	0.497	0.20	0.194	7.05	8.99	77790	80190	99150	102210	1.20	8.0	15.0	
6	0.656	4	0.496	0.20	0.193	7.24	9.23	79810	82710	101730	105420	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

Maj. Adnan khalid®

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

Dy Dir MTL, Const of Kennel Hospital E - Ext. at DHA, Ph -6 - (M/S FAUZ Engrs Ltd)

Client Reference: 408/241/E/Lab/451/015

SOM Lab

Ref: 302(Page-1/1)

Dated: 14-02-2019

Dated: 14-02-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (City 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	0.680	4	0.505	0.20	0.200	5.97	9.13	65870	65870	100660	100660	1.20	8.0	15.0	
2	0.673	4	0.502	0.20	0.198	6.12	9.19	67450	68130	101390	102420	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

Muhammad Shafiq
 Engineer's Representative, NESPAK, (Pvt) Ltd. Lahore

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

Client Reference: 3957/13/MS/10/156

SOM Lab

Ref: 303(Page-1/1)

Dated: 04-02-2019

Dated: 14-02-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Anchor /J

Gauge Length: 8 inch

Sample Type:

Bolt

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	2.631	8	0.992	0.79	0.773	27.93	35.68	77980	79690	99600	101790	1.40	8.0	17.5	
2	2.650	8	0.996	0.79	0.779	27.08	35.32	75610	76680	98610	100000	1.30	8.0	16.3	
3	1.435	8	0.733	0.79	0.422	17.96	22.17	50150	93870	61900	115870	1.20	8.0	15.0	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Three 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

