

Maj Adnan khalid®

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Dy Dir MTL, Infra Development Works Sector - IV, DHA Rahbar Ph-XI - (M/S DHA C)

Client Reference: 408/241/E/Lab/1008/04

SOM Lab

Ref: 3127(Page-1/1)

Dated: 16-10-2020

Dated: 19-10-2020

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	0.589	4	0.469	0.20	0.173	5.83	7.70	64300	74330	84870	98120	1.00	8.0	12.5	
2	0.595	4	0.472	0.20	0.175	5.10	7.61	56210	64240	83970	95970	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

Engr. Khizar Rehman
Resident Engineer, Grand City Kharian

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

Client Reference: AsCE/GCK/RE/08
Dated: 17-10-2020
Test: Tension Test
Gauge Length: 8 inch

SOM Lab
Ref: 3128(Page-1/1)
Dated: 19-10-2020
Test Specification: ASTM-A-615
Sample Type: Deformed Bar(Mughal & BSM 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	2.607	8	0.988	0.79	0.766	24.57	34.86	68590	70730	97330	100380	1.30	8.0	16.3	BSM
2	1.485	6	0.745	0.44	0.436	14.78	18.50	74090	74770	92740	93590	1.50	8.0	18.8	Mughal
3	0.665	4	0.498	0.20	0.195	7.31	8.89	80600	82670	98020	100530	1.10	8.0	13.8	Mughal
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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

M. Usman Meer
Project Coordinator, Sinaco Engineers (Pvt) Ltd, Lahore

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: SEL/LHR/C-471/11509

Dated: 19-10-2020

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 3129(Page-1/1)

Dated: 19-10-2020

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	3.339	9	1.118	1.00	0.981	27.62	43.60	60930	62110	96160	98020	1.40	8.0	17.5	
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BEND TEST:

# 9	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

Sub Divisional Officer
Highway Sub Division, Pattoki

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

Client Reference: 107/P

SOM Lab

Ref: 3130(Page-1/1)

Dated: 18-10-2020

Dated: 19-10-2020

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	2.589	8	0.984	0.79	0.761	18.96	30.50	52930	54950	85150	88390	1.20	8.0	15.0	
2	1.491	6	0.747	0.44	0.438	12.84	18.55	64380	64680	92990	93420	1.10	8.0	13.8	
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BEND TEST:

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

Arfan ul Haq

Resident Engineer, NESPAK - ZEERUK (JV) CPEC (Western Route), Package-II, Isakhel

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: RE/NESPAK/P-2C/CPEC-WR/554

Dated: 14-10-2020

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 3131(Page-1/1)

Dated: 19-10-2020

ASTM-A-615

Deformed Bar (Mughal 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	2.579	8	0.982	0.79	0.758	25.20	31.86	70350	73320	88930	92690	1.50	8.0	18.8	
2	2.565	8	0.980	0.79	0.754	24.69	31.62	68930	72220	88280	92490	1.60	8.0	20.0	
3	1.507	6	0.751	0.44	0.443	16.74	20.39	83900	83330	102190	101500	1.40	8.0	17.5	
4	1.520	6	0.754	0.44	0.447	16.84	20.51	84410	83090	102800	101190	1.20	8.0	15.0	
5	0.704	4	0.513	0.20	0.207	8.69	10.35	95770	92540	114100	110240	1.00	8.0	12.5	
6	0.710	4	0.516	0.20	0.209	8.10	9.89	89370	85520	109040	104340	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
# 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 Waris Jan
Sr. Engineer (Welding & NDT) EKL (Pvt) Ltd. Lahore

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

Client Reference: Nil

SOM Lab

Ref: 3132(Page-1/1)

Dated: 19-10-2020

Dated: 19-10-2020

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar

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	2.664	8	0.998	0.79	0.783	25.69	35.60	71720	72360	99380	100260	1.30	8.0	16.3	
2	2.663	8	0.998	0.79	0.783	25.48	35.42	71150	71780	98890	99780	1.40	8.0	17.5	
3	1.514	6	0.753	0.44	0.445	16.92	19.83	84820	83870	99380	98260	1.10	8.0	13.8	
4	1.516	6	0.754	0.44	0.446	16.82	19.98	84310	83170	100150	98800	1.30	8.0	16.3	
5	0.581	4	0.467	0.20	0.171	5.63	6.75	62050	72570	74420	87040	1.30	8.0	16.3	
6	0.579	4	0.465	0.20	0.170	5.58	6.78	61490	72340	74750	87940	1.40	8.0	17.5	
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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

Anjum Choudhry
Production Manager, Izhar Concrete (Pvt) Ltd. Lahore

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: nil

Dated: 19-10-2020

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 3133 (Page-1/1)

Dated: 19-10-2020

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	2.613	8	0.989	0.79	0.768	31.09	38.69	86800	89280	108000	111090	1.30	8.0	16.3	
2	2.601	8	0.986	0.79	0.764	31.80	38.91	88790	91810	108620	112320	1.00	8.0	12.5	
3	2.633	8	0.993	0.79	0.774	29.79	37.38	83160	84870	104360	106510	1.20	8.0	15.0	
4	1.038	5	0.623	0.31	0.305	9.58	12.95	68170	69290	92100	93610	1.50	8.0	18.8	
5	1.038	5	0.623	0.31	0.305	9.81	12.95	69770	70910	92100	93610	1.30	8.0	16.3	
6	1.062	5	0.630	0.31	0.312	9.89	13.12	70350	69900	93340	92740	1.40	8.0	17.5	
7	0.644	4	0.491	0.20	0.189	6.88	8.43	75880	80290	92960	98370	1.30	8.0	16.3	
8	0.649	4	0.493	0.20	0.191	7.19	8.79	79250	82980	96900	101460	1.20	8.0	15.0	
9	0.645	4	0.492	0.20	0.190	6.52	8.10	71940	75730	89370	94070	1.10	8.0	13.8	
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BEND TEST:

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

Muhammad Waqas Anwar
Resident Engineer-I, NESPAK, Lahore

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

Client Reference: 3772/FMU/103/MWA/04/265
Dated: 09-10-2020
Test: Tension Test & Bend Test
Gauge Length: 8 inch

SOM Lab
Ref: 3134(Page-1/1)
Dated: 19-10-2020
ASTM-A-615
Deformed Bar(ZIA 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	0.632	4	0.487	0.20	0.186	5.22	7.41	57560	61890	81720	87870	1.30	8.0	16.3	
2	0.632	4	0.487	0.20	0.186	5.20	7.41	57330	61650	81720	87870	1.40	8.0	17.5	
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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