

Kifayat Hussain Naqvi

Chief Resident Engineer, Kachhi Canal Remaining Works Consultants-Dera Allah Yar, MM Pakistan

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: KCP/CRE/KC-6B(4R)/UET/34

Dated: 16-10-2021

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 5166 (Page-1/1)

Dated: 20-10-2021

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	1.568	6	0.766	0.44	0.461	15.19	19.27	76130	72670	96570	92170	1.20	8.0	15.0	
2	1.566	6	0.765	0.44	0.460	15.09	19.16	75620	72330	96060	91880	1.20	8.0	15.0	
3	1.088	5	0.638	0.31	0.320	10.90	16.21	77530	75110	115310	111710	1.10	8.0	13.8	
4	1.088	5	0.638	0.31	0.320	10.91	16.16	77600	75180	114950	111360	1.10	8.0	13.8	
5	0.660	4	0.497	0.20	0.194	6.80	8.51	74980	77300	93860	96770	0.90	8.0	11.3	
6	0.665	4	0.498	0.20	0.195	6.78	8.56	74750	76670	94420	96850	1.00	8.0	12.5	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine 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

Maj Adnan khalid®

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Dy Dir MTL, DHA Sector-A, Block Commercial Ph-VI, Lahore Cantt. (M/S Construct)

Client Reference: 408/241/Estb/Lab/146/05

SOM Lab

Ref: 5167 (Page-1/1)

Dated: 20-10-2021

Dated: 20-10-2021

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	2.655	8	0.997	0.79	0.780	28.24	36.77	78830	79840	102650	103960	1.20	8.0	15.0	
2	2.668	8	0.999	0.79	0.784	28.54	37.00	79680	80290	103300	104090	1.20	8.0	15.0	
3	1.499	6	0.749	0.44	0.441	13.30	18.93	66680	66530	94880	94670	1.30	8.0	16.3	
4	1.494	6	0.748	0.44	0.439	13.12	18.40	65760	65910	92230	92440	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	

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

Abdul Ghafar
Project Manager Liberty Builders, Lahore

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: ST/UET/ 20211020-A

Dated: 20-10-2021

SOM Lab

Ref: 5168(Page-1/1)

Dated: 20-10-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Batala Premium)

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	0.647	4	0.492	0.20	0.190	5.96	8.89	65760	69220	98020	103180	1.10	8.0	13.8	
2	0.639	4	0.489	0.20	0.188	5.71	8.51	62950	66970	93860	99850	1.10	8.0	13.8	
3	0.635	4	0.488	0.20	0.187	5.56	8.48	61270	65520	93530	100030	1.00	8.0	12.5	
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BEND TEST:

# 4	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

Abdul Ghafar
Project Manager Liberty Builders, Lahore

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

Client Reference: ST/UET/ 20211020

SOM Lab

Ref: 5169(Page-1/1)

Dated: 20-10-2021

Dated: 20-10-2021

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Batala Premium)

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	1.537	6	0.759	0.44	0.452	14.58	21.00	73070	71130	105260	102460	1.30	8.0	16.3	
2	1.534	6	0.758	0.44	0.451	14.24	20.64	71380	69640	103470	100940	1.10	8.0	13.8	
3	1.500	6	0.749	0.44	0.441	13.73	19.98	68830	68670	100150	99920	1.30	8.0	16.3	
4	0.661	4	0.497	0.20	0.194	5.78	9.07	63740	65710	100050	103140	1.10	8.0	13.8	
5	0.662	4	0.498	0.20	0.195	5.71	8.99	62950	64570	99150	101690	1.20	8.0	15.0	
6	0.666	4	0.500	0.20	0.196	5.98	9.30	65990	67330	102520	104610	1.10	8.0	13.8	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Eight 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

Qaisar Abbas

Team Leader, Rice Field Road International Impex (Pvt.) Ltd., Aesthetic Engineering International

Test Performed By:

Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: TL/RFR/01

Dated: 18-10-2021

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 5170 (Page-1/1)

Dated: 20-10-2021

ASTM-A-615

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	0.684	4	0.506	0.20	0.201	6.73	8.99	74190	73820	99150	98650	1.30	8.0	16.3	
2	0.678	4	0.503	0.20	0.199	6.63	8.89	73070	73440	98020	98510	1.20	8.0	15.0	
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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

Manager Purchase
DM Consortium, Lahore

Test Performed By: Dr. /Engr.

S. Asad Ali
Gillani

Client Reference: Nil

Dated: 20-10-2021

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 5171 (Page-1/1)

Dated: 20-10-2021

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	1.451	6	0.736	0.44	0.426	12.61	15.70	63210	65280	78690	81270	1.30	8.0	16.3	
2	0.695	4	0.510	0.20	0.204	7.49	9.63	82620	81000	106230	104140	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

Mr. Adeel Basit
 Managing Director, Adeel & Brothers Auto Plaza, Lahore

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

Client Reference: Nil

SOM Lab Ref: 5173 & 5174(Page-1/1)

Dated: 20-10-2021

Dated: 20-10-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (AF 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	1.491	6	0.747	0.44	0.438	14.78	20.61	74090	74430	103310	103790	1.30	8.0	16.3	
2	0.635	4	0.488	0.20	0.187	7.08	9.19	78130	83560	101390	108440	1.20	8.0	15.0	
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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, Pattoki

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

Client Reference: 711/P

SOM Lab

Ref: 5175(Page-1/1)

Dated: 15-10-2021

Dated: 20-10-2021

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	1.640	6	0.783	0.44	0.482	19.16	22.24	96060	87690	111490	101780	1.20	8.0	15.0	
2	1.556	6	0.763	0.44	0.457	13.66	20.82	68470	65920	104340	100460	1.20	8.0	15.0	
3	0.666	4	0.500	0.20	0.196	5.86	9.50	64640	65960	104770	106900	1.30	8.0	16.3	
4	0.679	4	0.505	0.20	0.200	6.83	9.76	75320	75320	107580	107580	1.00	8.0	12.5	
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BEND TEST:

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

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

Muhammad Hassan Khan
Resident Engineer, H&TE Div., Nespak Pvt. Ltd. Lahore

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

Client Reference: 3772/103/GD/RE/05/122

SOM Lab Ref: 5176(Page-1/1)

Dated: 16-10-2021

Dated: 20-10-2021

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Guage 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	2.644	8	0.995	0.79	0.777	24.82	35.98	69300	70460	100460	102140	1.30	8.0	16.3	
2	2.655	8	0.997	0.79	0.780	24.62	35.42	68730	69610	98890	100160	1.20	8.0	15.0	
3	1.527	6	0.756	0.44	0.449	13.30	19.88	66680	65340	99640	97640	1.30	8.0	16.3	
4	1.519	6	0.754	0.44	0.446	13.51	20.03	67700	66790	100400	99050	1.10	8.0	13.8	
5	0.665	4	0.498	0.20	0.195	5.96	8.41	65760	67450	92740	95120	1.10	8.0	13.8	
6	0.667	4	0.500	0.20	0.196	5.78	8.36	63740	65040	92180	94060	1.30	8.0	16.3	
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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

M. Rafique
Fabroz Engineering, Lahore

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

Client Reference: Nil

SOM Lab

Ref: 5172 (Page-1/1)

Dated: 20-10-2021

Dated: 20-10-2021

Test: Tension Test & Bend Test

Test Specification:

BS-4449

Gauge Length: 4 inch

Sample Type:

Tor 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	1.525	6	0.755	0.44	0.448	12.74	16.97	63870	62730	85070	83560	0.40	4.0	5.0	
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BEND TEST:

--	No Bend test performed	Note:- Only One Sample Received and Tested

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