

Baig Construction Co
Lahore.(620-B Jubilee Town (Panagah) Lahore.)

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

Client Reference: Nil

SOM Lab

Ref: 167 (Page-1/1)

Dated: 14-03-2022

Dated: 14-04-2022

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	2.580	8	0.982	0.79	0.758	21.53	32.57	60110	62640	90920	94760	1.40	8.0	17.5	
2	2.580	8	0.982	0.79	0.758	21.07	30.94	58830	61310	86370	90020	1.40	8.0	17.5	
3	1.435	6	0.733	0.44	0.422	14.68	19.88	73580	76720	99640	103890	1.00	8.0	12.5	
4	1.433	6	0.732	0.44	0.421	14.78	20.13	74090	77430	100910	105470	1.10	8.0	13.8	
5	0.640	4	0.489	0.20	0.188	6.32	8.36	69700	74140	92180	98060	1.10	8.0	13.8	
6	0.640	4	0.489	0.20	0.188	6.12	8.26	67450	71750	91050	96860	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

Engr. Javed Asad

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

CRE JIP Consultants.(Const.of Jalapur Irrigation Canal and Its System)(No.JIP/WkS/ICB/P-1)

Client Reference: JIPIC/TECH/P-1CRE/379

SOM Lab

Ref: 168 (Page-1/1)

Dated: 13-04-2022

Dated: 14-04-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Deformed Bar (SGI

Gauge Length: 8 inch

Sample Type: 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	2.699	8	1.005	0.79	0.793	23.39	37.58	65310	65070	104930	104530	1.10	8.0	13.8	
2	2.808	8	1.025	0.79	0.825	24.52	38.63	68440	65540	107860	103280	1.30	8.0	16.3	
3	0.693	4	0.510	0.20	0.204	6.01	9.30	66320	65020	102520	100510	1.20	8.0	15.0	
4	0.685	4	0.506	0.20	0.201	5.96	9.25	65760	65430	101960	101450	1.20	8.0	15.0	
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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

Engr. Javed Asad

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

CRE JIP Consultants.(Const.of Jalapur Irrigation Canal and Its System)(No.JIP/WkS/ICB/P2)

Client Reference: JIPIC/TECH/CRE/P2/80

SOM Lab

Ref: 169 (Page-1/1)

Dated: 05-04-2022

Dated: 14-04-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (SGI 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	2.702	8	1.005	0.79	0.794	22.63	37.18	63180	62860	103790	103260	1.30	8.0	16.3	H# 171
2	2.699	8	1.005	0.79	0.793	23.11	37.56	64520	64270	104870	104470	1.10	8.0	13.8	H# 171
3	1.029	5	0.620	0.31	0.302	9.06	13.88	64470	66180	98780	101390	1.20	8.0	15.0	H# 464
4	1.017	5	0.617	0.31	0.299	8.61	13.53	61280	63540	96240	99780	1.10	8.0	13.8	H# 464
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
# 5	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

Engr. Javed Asad

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

CRE JIP Consultants.(Const.of Jalapur Irrigation Canal and Its System)(No.JIP/WkS/ICB/P2)

Client Reference: JIPIC/TECH/CRE/P2/78

SOM Lab

Ref: 170 (Page-1/1)

Dated: 05-04-2022

Dated: 14-04-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (SGI 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	1.486	6	0.746	0.44	0.437	13.07	19.57	65510	65960	98100	98780	1.50	8.0	18.8	H# 297
2	1.449	6	0.736	0.44	0.426	12.56	19.29	62950	65020	96670	99850	1.50	8.0	18.8	H# 297
3	1.493	6	0.748	0.44	0.439	13.56	21.12	67960	68110	105870	106110	1.30	8.0	16.3	H# 378
4	1.486	6	0.746	0.44	0.437	13.51	20.85	67700	68170	104490	105210	1.30	8.0	16.3	H# 378
5	1.460	6	0.739	0.44	0.429	12.69	19.42	63620	65250	97340	99830	1.50	8.0	18.8	H# 418
6	1.456	6	0.738	0.44	0.428	12.66	19.32	63460	65240	96830	99540	1.40	8.0	17.5	H# 418
7	1.432	6	0.732	0.44	0.421	12.61	19.11	63210	66060	95800	100130	1.30	8.0	16.3	H# 425
8	1.454	6	0.737	0.44	0.427	12.39	18.86	62080	63970	94530	97400	1.50	8.0	18.8	H# 425
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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	
# 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

Engr. Javed Asad

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

CRE JIP Consultants.(Const.of Jalapur Irrigation Canal and Its System)(No.JIP/WkS/ICB/P2)

Client Reference: JIPIC/TECH/CRE/P2/81

SOM Lab

Ref: 171 (Page-1b/1)

Dated: 07-04-2022

Dated: 14-04-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (SGI 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	0.710	4	0.516	0.20	0.209	6.39	9.99	70480	67450	110160	105420	1.00	8.0	12.5	H.No 503
2	0.707	4	0.515	0.20	0.208	6.52	10.16	71940	69180	112070	107760	1.10	8.0	13.8	H.No 503
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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. Javed Asad

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

CRE JIP Consultants.(Const.of Jalapur Irrigation Canal and Its System)(No.JIP/WkS/ICB/P2)

Client Reference: JIPIC/TECH/CRE/P2/81

SOM Lab

Ref: 171 (Page-1a/1)

Dated: 07-04-2022

Dated: 14-04-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (SGI 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	1.624	6	0.779	0.44	0.477	14.29	22.04	71640	66080	110470	101900	1.40	8.0	17.5	H.No 02
2	1.577	6	0.768	0.44	0.463	12.84	19.75	64380	61180	98970	94060	1.50	8.0	18.8	H.No 02
3	1.592	6	0.772	0.44	0.468	13.76	21.51	68980	64850	107810	101360	1.20	8.0	15.0	H.No 17
4	1.485	6	0.745	0.44	0.436	12.66	19.95	63460	64040	99990	100910	1.20	8.0	15.0	H.No 17
5	1.500	6	0.749	0.44	0.441	13.22	20.41	66270	66120	102290	102060	1.40	8.0	17.5	H.No 461
6	1.486	6	0.746	0.44	0.437	12.97	20.23	65000	65440	101420	102120	1.40	8.0	17.5	H.No 461
7	1.647	6	0.785	0.44	0.484	14.17	21.56	71020	64570	108070	98240	1.30	8.0	16.3	H.No 487
8	1.582	6	0.769	0.44	0.465	13.37	20.85	67040	63430	104490	98870	1.50	8.0	18.8	H.No 487
9	1.645	6	0.784	0.44	0.483	13.99	21.58	70100	63860	108170	98540	1.30	8.0	16.3	H.No 494
10	1.481	6	0.744	0.44	0.435	12.81	20.08	64230	64970	100660	101820	1.20	8.0	15.0	H.No 494

BEND TEST:

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

Talha Khalid Khan

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

A/XEN E&M GE Rafiqui.(Rehabilitation Of Aircraft Pens In Charlie Area (Site-I) At PAF Base Rafiqui)

Client Reference: 6567/24/E-6

SOM Lab

Ref: 172 (Page-1/1)

Dated: 13-04-2022

Dated: 14-04-2022

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	0.660	4	0.497	0.20	0.194	6.78	9.38	74750	77070	103420	106620	1.00	8.0	12.5	
2	0.665	4	0.498	0.20	0.195	6.32	8.69	69700	71480	95770	98230	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 Rajab.

Test Performed By: Dr. /Engr. Irfan Ul Hasan

M.Sp Kachhi Canal Rem.Works Consults-(KC-06B(4R)Const. Of Main Canal And Distribution System)

Client Reference: KCP/CRE/KC-6B(4R)/UET/111

SOM Lab

Ref: 173 (Page-1/1)

Dated: 31-03-2022

Dated: 14-04-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: 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	2.694	8	1.004	0.79	0.792	27.22	34.42	75980	75790	96100	95860	1.40	8.0	17.5	
2	2.646	8	0.995	0.79	0.778	27.27	35.17	76130	77300	98180	99700	1.40	8.0	17.5	
3	1.477	6	0.743	0.44	0.434	16.00	19.57	80220	81330	98100	99460	1.50	8.0	18.8	
4	1.476	6	0.743	0.44	0.434	15.49	18.98	77670	78740	95140	96460	1.50	8.0	18.8	
5	1.064	5	0.631	0.31	0.313	11.82	14.75	84130	83320	104940	103930	1.20	8.0	15.0	
6	1.053	5	0.627	0.31	0.309	10.98	13.86	78110	78360	98630	98950	1.20	8.0	15.0	
7	0.654	4	0.494	0.20	0.192	6.75	8.72	74420	77520	96110	100120	1.20	8.0	15.0	
8	0.655	4	0.494	0.20	0.192	6.80	8.69	74980	78100	95770	99760	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
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 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

Assistant Engineer Bridges

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

Pakistan Railways Peshawar.(The Work Of Bridge No.52,54,55 And 93-A On NSR-DRY Section)

Client Reference: 23-W/54/DRY/PSC

SOM Lab

Ref: 174 (Page-1/1)

Dated: 11-04-2022

Dated: 14-04-2022

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	1.016	5	0.617	0.31	0.299	9.40	13.37	66870	69330	95150	98650	1.50	8.0	18.8	
2	0.663	4	0.498	0.20	0.195	6.54	8.69	72170	74020	95770	98230	1.60	8.0	20.0	
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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

Aqeel Aslam

Test Performed By:

Dr. /Engr.

S Asad Ali Gillani

Manager Project FMH (Const. New Building At Fatima Memorial Hospital Lahore)

Client Reference: FMH/RAF/St/01

SOM Lab

Ref:

175 (Page-1/1)

Dated: 13-04-2022

Dated:

14-04-2022

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	0.650	4	0.493	0.20	0.191	7.26	8.87	80040	83810	97800	102400	1.10	8.0	13.8	
2	0.647	4	0.492	0.20	0.190	6.88	8.53	75880	79870	94090	99040	1.00	8.0	12.5	
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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

Maj Adnan Khalid (R)

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

Dy Dir MTL DHA Lhr.(Const Of Girls School &College Block-B,Sec-I(Rahbar),DHA Ph-XI (M/s DHA-C))

Client Reference: 408/241/32/Lab/82/656

SOM Lab

Ref: 176 (Page-1/1)

Dated: 31-03-2022

Dated: 14-04-2022

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: 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	1.466	6	0.741	0.44	0.431	15.39	19.16	77160	78770	96060	98070	1.20	8.0	15.0	
2	1.462	6	0.740	0.44	0.430	15.06	18.91	75470	77220	94780	96990	1.30	8.0	16.3	
3	0.670	4	0.501	0.20	0.197	7.24	9.23	79810	81030	101730	103280	1.00	8.0	12.5	
4	0.663	4	0.498	0.20	0.195	7.54	9.48	83180	85320	104540	107220	1.00	8.0	12.5	
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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

Sub Divisional officer,

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

BSD Bahawalnagar(Const Of Family Cort,Senior Civil Judge Court,DayCare centre And Record Room)

Client Reference: 504/BWN

SOM Lab

Ref: 177 (Page-1/1)

Dated: 01-04-2022

Dated: 14-04-2022

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	2.628	8	0.991	0.79	0.772	22.83	34.27	63750	65230	95680	97910	1.30	8.0	16.3	
2	1.491	6	0.747	0.44	0.438	14.02	19.57	70260	70580	98100	98550	1.30	8.0	16.3	
3	0.680	4	0.505	0.20	0.200	6.34	9.04	69920	69920	99710	99710	1.40	8.0	17.5	
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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	
# 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

Zaheer Abbas

Test Performed By:

Dr. /Engr.

S Asad Ali Gillani

Manager Const.Beaconhouse School System.(Const. Of Ibne Sina Campus At Valencia Town Lahore)

Client Reference: Nil

SOM Lab

Ref:

178 (Page-1/1)

Dated: 13-04-2022

Dated:

14-04-2022

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	2.626	8	0.991	0.79	0.772	23.77	33.56	66370	67910	93680	95870	1.50	8.0	18.8	
2	2.639	8	0.994	0.79	0.776	26.20	34.98	73140	74460	97670	99430	1.30	8.0	16.3	
3	1.509	6	0.751	0.44	0.443	15.26	20.10	76490	75970	100760	100080	1.50	8.0	18.8	
4	1.510	6	0.752	0.44	0.444	15.09	20.85	75620	74940	104490	103550	1.50	8.0	18.8	
5	0.654	4	0.494	0.20	0.192	7.39	9.40	81500	84890	103640	107960	1.20	8.0	15.0	
6	0.655	4	0.494	0.20	0.192	6.95	8.99	76660	79860	99150	103280	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

