

Arfan ul Haq

Test Performed By:

Dr. /Engr.

Nauman Khurram

Resident Engineer, NESPAK, (Pvt) Ltd. D. I. Khan Motorway, Package-3

Client Reference: CPEC/NESPAK/CS/RE/PKG3/19/1158

Dated: 05-09-2019

SOM Lab Ref: CED/SOM/1364(Page-1-1)

Dated: 06-09-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A 615

Sample Type: M S Deformed Bar(FF & Nomee 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 <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	2.305	20	19.35	314	294	166.20	210.20	529	566	669	715	27.5	200	13.8	
2	2.216	20	18.96	314	282	141.70	189.70	451	502	604	672	32.5	200	16.3	
3	0.992	12.5	12.69	123	126	64.50	95.00	526	511	774	752	25.0	200	12.5	
4	1.016	12.5	12.84	123	129	67.20	98.20	548	520	800	759	27.5	200	13.8	
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**BEND TEST:**

20mm	Sample bend through 180 degrees Satisfactorily without any crack	<p><b>Note:-</b></p> <p><b>Only Six Samples Received and Tested</b></p>
12.5mm	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](http://www.uet-civil.edu.pk)

Muhammad Naveed  
Project Manager

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: DELI-JW- Heat # 15846  
SOM Lab Ref: CED/SOM/1365 (Page-1/10)  
Test: Tension Test & Bend Test  
Sample Type: M S Deformed Bar

Dated: 06-09-2019  
Dated: 06-09-2019  
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 <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	1.578	16	16.00	201	201	90.20	127.00	449	449	632	632	42.5	200	21.3	
2	1.582	16	16.02	201	202	91.70	127.70	456	456	635	634	37.5	200	18.8	
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**BEND TEST:**

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

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Muhammad Naveed  
Project Manager

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: DELI-JW- Heat # 15853  
SOM Lab Ref: CED/SOM/1365 (Page-2/10)  
Test: Tension Test & Bend Test  
Sample Type: M S Deformed Bar

Dated: 06-09-2019  
Dated: 06-09-2019  
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 <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	1.570	16	15.96	201	200	93.00	128.20	463	465	638	641	35.0	200	17.5	
2	1.578	16	16.00	201	201	88.70	125.50	441	442	624	625	42.5	200	21.3	
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**BEND TEST:**

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

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Muhammad Naveed  
Project Manager

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: DELI-JW- Heat # 15854  
SOM Lab Ref: CED/SOM/1365 (Page-3/10)  
Test: Tension Test & Bend Test  
Sample Type: M S Deformed Bar

Dated: 06-09-2019  
Dated: 06-09-2019  
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 <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	1.574	16	16.00	201	201	90.50	128.20	450	451	638	638	37.5	200	18.8	
2	1.572	16	15.97	201	200	91.00	126.70	453	455	630	633	40.0	200	20.0	
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**BEND TEST:**

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

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Muhammad Naveed  
Project Manager

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: DELI-JW- Heat # 15855  
SOM Lab Ref: CED/SOM/1365 (Page-4/10)  
Test: Tension Test & Bend Test  
Sample Type: M S Deformed Bar

Dated: 06-09-2019  
Dated: 06-09-2019  
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 <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	1.580	16	16.00	201	201	88.50	125.70	440	441	625	626	37.5	200	18.8	
2	1.574	16	15.98	201	201	90.20	126.50	449	450	629	631	32.5	200	16.3	
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**BEND TEST:**

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

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Muhammad Naveed  
Project Manager

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: DELI-JW- Heat # 15856  
SOM Lab Ref: CED/SOM/1365 (Page-5/10)  
Test: Tension Test & Bend Test  
Sample Type: M S Deformed Bar( City Steel)

Dated: 06-09-2019  
Dated: 06-09-2019  
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 <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	1.567	16	15.96	201	200	87.50	125.00	435	438	622	625	30.0	200	15.0	
2	1.567	16	15.94	201	200	90.20	126.50	449	452	629	634	32.5	200	16.3	
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**BEND TEST:**

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

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Muhammad Naveed  
Project Manager

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: DELI-JW- Heat # 15857  
SOM Lab Ref: CED/SOM/1365 (Page-6/10)  
Test: Tension Test & Bend Test  
Sample Type: M S Deformed Bar( City Steel)

Dated: 06-09-2019  
Dated: 06-09-2019  
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 <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	1.575	16	16.00	201	201	90.20	127.00	449	449	632	632	37.5	200	18.8	
2	1.571	16	15.96	201	200	89.00	126.00	443	445	627	630	40.0	200	20.0	
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**BEND TEST:**

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

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Muhammad Naveed  
Project Manager

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: DELI-JW- Heat # 15858  
SOM Lab Ref: CED/SOM/1365 (Page-7/10)  
Test: Tension Test & Bend Test  
Sample Type: M S Deformed Bar( City Steel)

Dated: 06-09-2019  
Dated: 06-09-2019  
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 <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	1.571	16	15.96	201	200	87.20	126.00	434	436	627	630	35.0	200	17.5	
2	1.572	16	15.97	201	200	89.70	126.70	446	448	630	633	37.5	200	18.8	
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**BEND TEST:**

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

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)



Muhammad Naveed  
Project Manager

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: DELI-JW- Heat # 15859  
SOM Lab Ref: CED/SOM/1365 (Page-8/10)  
Test: Tension Test & Bend Test  
Sample Type: M S Deformed Bar( City Steel)

Dated: 06-09-2019  
Dated: 06-09-2019  
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 <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	1.574	16	16.00	201	201	92.20	127.50	459	459	634	635	30.0	200	15.0	
2	1.578	16	16.00	201	201	91.20	127.70	454	454	635	636	35.0	200	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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**BEND TEST:**

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

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Muhammad Naveed  
Project Manager

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: DELI-JW- Heat # 15860  
SOM Lab Ref: CED/SOM/1365 (Page-9/10)  
Test: Tension Test & Bend Test  
Sample Type: M S Deformed Bar( City Steel)

Dated: 06-09-2019  
Dated: 06-09-2019  
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 <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	1.578	16	16.00	201	201	88.20	125.70	439	439	625	626	37.5	200	18.8	
2	1.590	16	16.06	201	203	90.70	128.50	451	448	639	635	32.5	200	16.3	
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**BEND TEST:**

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

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Muhammad Naveed  
Project Manager

Test Performed By: Dr. /Engr. Nauman Khurram

Client Reference: DELI-JW- Heat # 15861  
SOM Lab Ref: CED/SOM/1365 (Page-10/10)  
Test: Tension Test & Bend Test  
Sample Type: M S Deformed Bar( City Steel)

Dated: 06-09-2019  
Dated: 06-09-2019  
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 <sup>2</sup>	mm <sup>2</sup>	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	1.523	16	15.72	201	194	91.70	130.20	456	473	648	672	27.5	200	13.8	
2	1.531	16	15.76	201	195	91.50	128.70	455	470	640	660	30.0	200	15.0	
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**BEND TEST:**

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

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Engr. Shoukat Ali Rana  
Project Manager, Orbit Housing, Lahore

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

Client Reference: Nil  
Dated: 06-09-2019

SOM Lab  
Ref: 1359(Page-1/1)  
Dated: 06-09-2019

Test: Tension Test & Bend Test Test Specification:

ASTM-A-615  
Deformed  
Bar

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.616	8	0.990	0.79	0.769	27.73	34.98	77410	79520	97670	100340	1.00	8.0	12.5	
2	2.604	8	0.987	0.79	0.765	28.85	35.32	80540	83170	98610	101830	1.10	8.0	13.8	
3	1.481	6	0.744	0.44	0.435	14.17	19.18	71020	71840	96160	97270	1.20	8.0	15.0	
4	1.491	6	0.747	0.44	0.438	13.76	18.83	68980	69300	94370	94800	1.00	8.0	12.5	
5	0.681	4	0.505	0.20	0.200	7.90	9.88	87120	87120	108920	108920	1.00	8.0	12.5	
6	0.682	4	0.505	0.20	0.200	6.90	8.77	76100	76100	96670	96670	0.90	8.0	11.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:- Only Nine Samples Received and Tested</b>
# 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](http://www.uet-civil.edu.pk)

Omer Javed

Test Performed By: Dr. /Engr.

Nauman  
Khurram

Incharge QC, DESCON Engineering Ltd. Lahore ( ProMag Pvt Ltd. DHA, Multan)

SOM Lab

Client Reference: nil

Ref: 1363(Page-1/1)

Dated: 06-09-2019

Dated: 06-09-2019

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Deformed Bar( Mughal  
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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.057	5	0.629	0.31	0.311	9.30	13.17	66140	65930	93700	93400	1.30	8.0	16.3	
2	1.042	5	0.624	0.31	0.306	10.14	14.48	72160	73100	102980	104330	1.30	8.0	16.3	
3	0.658	4	0.496	0.20	0.193	6.60	8.89	72730	75370	98020	101580	1.10	8.0	13.8	
4	0.663	4	0.498	0.20	0.195	6.57	8.82	72510	74360	97230	99730	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

**BEND TEST:**

# 5	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-</b>  <b>Only Six Samples Received and Tested</b>
# 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](http://www.uet-civil.edu.pk)

Usman Ali

Project Manager, Maypole Lime Light Pvt. Ltd Project: Maypole Lime Light(Front Building)

Test Performed By:

Dr. /Engr.

Nauman Khurram

Client Reference: MLL-07

Dated: 05-09-2019

Test: Tension Test & Bend Test

Test Specification:

SOM Lab

Ref: 1367(Page-1/1)

Dated: 06-09-2019

ASTM-A-615

Deformed

Bar

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.593	8	0.985	0.79	0.762	27.57	34.81	76980	79810	97190	100760	1.20	8.0	15.0	
2	2.611	8	0.988	0.79	0.767	27.65	35.04	77180	79490	97810	100740	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-  Only Three Samples Received and Tested</b>

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

Prof . Dr. Aman Ullah Khan

Acting Project Director, Air University, Multan Campus, 4-5th Floor, Khan Centre, Abdali Road, Multan

Test Performed By:

Dr. /Engr. Nauman Khurram

Client Reference: MUX/AUMC/BH1/2019/001

Dated: 03-09-2019

SOM Lab

Ref: 1369(Page-1/1)

Dated: 06-09-2019

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 <sup>2</sup>	in <sup>2</sup>	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.677	8	1.001	0.79	0.787	28.70	39.47	80110	80420	110190	110610	1.00	8.0	12.5	
2	2.648	8	0.995	0.79	0.778	24.94	34.51	69640	70710	96330	97820	1.20	8.0	15.0	
3	1.499	6	0.749	0.44	0.441	14.95	18.91	74960	74790	94780	94570	1.10	8.0	13.8	
4	1.500	6	0.749	0.44	0.441	15.04	19.06	75370	75200	95550	95330	1.00	8.0	12.5	
5	1.043	5	0.625	0.31	0.307	11.44	14.02	81370	82170	99720	100690	1.00	8.0	12.5	
6	1.038	5	0.623	0.31	0.305	9.70	12.51	69040	70170	88990	90440	1.20	8.0	15.0	
7	0.678	4	0.503	0.20	0.199	5.17	7.56	56990	57280	83410	83830	1.50	8.0	18.8	
8	0.660	4	0.497	0.20	0.194	5.07	7.36	55870	57600	81160	83670	1.30	8.0	16.3	
9	0.667	4	0.500	0.20	0.196	5.81	8.87	64080	65380	97800	99790	1.20	8.0	15.0	
10	0.728	4	0.522	0.20	0.214	6.39	9.79	70480	65870	107910	100850	1.20	8.0	15.0	

**BEND TEST:**

# 8	Sample bend through 180 degrees Satisfactorily without any crack	<b>Note:-  Only Fifteen Samples Received and Tested</b>
# 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	
# 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](http://www.uet-civil.edu.pk)