

Test Performed By: Dr. Syed Asad Ali Gillani

Resident Engineer
Jers Consultancy (Pvt) Ltd.
Shuja Abad.(PRSWSSP Pilot Phase Cluster South II Kehror Pakka)

Client Reference: 490-jo3-CO-86 Dated: 20-02-2024

SOM Laboratory Reference: CED/SOM/3989(Page-1/2) Dated: 24-04-2024

Test: Stiffness Test & Tensile Test

Sample Type: Fiberglass Blind Pipe Strainer Dia 10" (Source Bin Tariq)

Stiffness Test (Parallel Plate Loading Test as per ASTM-D-2412)

Total Length = 330 mm, External Diameter = 264 mm, Wall Thickness = 7.50 mm

Percentage Reduction in Diameter of Sample	Compression Load, P (kN)	Stiffness (Corrected)			Remarks
		Pipe Stiffness (kN/m ²)	Stiffness Factor (N-m)	Specific Tangential Initial Stiffness (N/m ²)	
5%	4.2	1043	328	21233	No Crack Observed
10%	7.7	1032	324	21010	No Crack Observed
12%	9.2	1059	333	21558	No Crack Observed
15%	11.5	1324	416	26947	Delamination occur at this load

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

Test Performed By: Dr. Syed Asad Ali Gillani

Resident Engineer
Jers Consultancy (Pvt) Ltd.
Shuja Abad.(PRSWSSP Pilot Phase Cluster South II Kehror Pakka)

Client Reference: 490-jo3-CO-86

Dated: 20-02-2024

SOM Laboratory Reference: CED/SOM/3989(Page-2/2)

Dated: 24-04-2024

Test: Stiffness Test & Tensile Test

Sample Type: GRE Pipe Dia 12" (Source Bin Tariq)

Stiffness Test (Parallel Plate Loading Test as per ASTM-D-2412)

Total Length = 310 mm, External Diameter = 315 mm, Wall Thickness = 8.0 mm

Percentage Reduction in Diameter of Sample	Compression Load, P (kN)	Stiffness (Corrected)			Remarks
		Pipe Stiffness (kN/m ²)	Stiffness Factor (N-m)	Specific Tangential Initial Stiffness (N/m ²)	
5%	12.0	2657	1432	53568	No Crack Observed
10%	25.0	2986	1609	60207	No Crack Observed
12%	28.7	2944	1586	59345	Delamination occur at this load

Tensile Test

Sample Type	Size of Sample (mm)	Ultimate Load (kN)	Ultimate Stress (MPa)
GRE Blind Pipe	28.0 x 6.5	61.0	335.16

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

Jaffar Rashid

Test Performed By:

Dr. /Engr.

Nauman Khurram

AGM Projects, Izhar Const.(Pvt) Ltd.Lahore.(Const Of Dolmen Shopping Mall DHA Lahore)

Client Reference: ICPL/CONST-DML/21/470

Dated: 24-04-2024

SOM Lab Ref: CED/SOM/3983(Page-1/1)

Dated: 24-04-2024

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S Deformed Bar (Sheikhoo 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 ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	0.903	12	12.10	113	115	56.50	74.50	500	492	659	648	32.5	200	16.3	
2	0.895	12	12.05	113	114	54.70	72.70	484	480	643	638	30.0	200	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

BEND TEST:

12mm	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. Muhammad Ejaz Khan

Test Performed By:

Dr. /Engr.

Nauman Khurram

RE Indus Associates Consultant (JV).(Dualization of Zhob-Kuchlak Sec of N-50 Nasai to Khanozai)

Client Reference: RE/Pkg-IV/N-50/IAC/2024/530

Dated: 22-04-2024

SOM Lab Ref: CED/SOM/3988(Page-1/1)

Dated: 24-04-2024

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: M S Deformed Bar (Sheikhoo 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 ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	0.995	12.7	12.72	123	127	65.00	83.00	530	512	676	654	35.0	200	17.5	
2	0.998	12.7	12.73	123	127	66.70	82.70	544	525	674	651	30.0	200	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

BEND TEST:

12.7mm	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

Prime Steel Re-Rolling Mills
Sheikhupura.

Test Performed By: Dr. /Engr. Wasim Abbas

Client Reference: Nil

SOM Lab

Ref: 3982 (Page-1/1)

Dated: 24-04-2024

Dated: 24-04-2024

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar (Prime Steel Skp)

ASTM-A-615

Deformed Bar (Prime Steel Skp)

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	1.418	6	0.729	0.44	0.417	11.01	17.48	55190	58230	87630	92460	1.50	8.0	18.8	
2	1.430	6	0.731	0.44	0.420	10.98	17.50	55030	57650	87730	91910	1.50	8.0	18.8	
3	1.475	6	0.743	0.44	0.433	11.85	19.29	59380	60330	96670	98240	1.30	8.0	16.3	
4	1.473	6	0.743	0.44	0.433	11.82	19.27	59270	60230	96570	98130	1.20	8.0	15.0	
5	0.664	4	0.498	0.20	0.195	6.52	9.65	71940	73790	106450	109180	1.00	8.0	12.5	
6	0.681	4	0.505	0.20	0.200	6.54	9.63	72170	72170	106230	106230	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

Sr.# (1-4)	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
Sr.# (5-6)	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

Gul Waqas Shahid

Test Performed By:

Dr. /Engr. Nauman Khurram

Unirazz Services Lhr.(Auditorium Building at Aleem Medical College-Gulab Devi T/Hospital Lahore)

Client Reference: USPL/PRPL/2204-3

SOM Lab

Ref: 3984 (Page-1/1)

Dated: 22-04-2024

Dated: 24-04-2024

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	2.616	8	0.990	0.79	0.769	22.68	32.08	63320	65050	89560	92000	1.50	8.0	18.8	
2	2.616	8	0.990	0.79	0.769	22.60	32.01	63090	64820	89360	91800	1.50	8.0	18.8	
3	1.503	6	0.750	0.44	0.442	13.53	19.11	67810	67500	95800	95370	1.60	8.0	20.0	
4	1.492	6	0.747	0.44	0.438	13.30	19.01	66680	66990	95290	95730	1.50	8.0	18.8	
5	0.664	4	0.498	0.20	0.195	5.93	8.43	65420	67100	92960	95350	1.40	8.0	17.5	
6	0.668	4	0.500	0.20	0.196	5.96	8.33	65760	67100	91840	93710	1.50	8.0	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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 Tahir Saleem,RE

Test Performed By:

Dr. /Engr. Nauman Khurram

Minconsult Rajanpur.(Loan #4099 Pak: CAREC Tranvhe-II Lot-3 & Lot-4 Kashmore to Rajanpur Sec)

Client Reference: CAREC/T-2/Lot-4/R.E/059

SOM Lab

Ref: 3985 (Page-1/1)

Dated: 22-04-2024

Dated: 24-04-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Faizaan 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	2.632	8	0.992	0.79	0.773	27.37	35.37	76410	78090	98750	100920	1.50	8.0	18.8	
2	2.627	8	0.991	0.79	0.772	27.42	35.55	76550	78340	99230	101550	1.30	8.0	16.3	
3	1.655	6	0.787	0.44	0.486	16.36	19.85	82010	74250	99480	90070	1.30	8.0	16.3	
4	1.650	6	0.786	0.44	0.485	16.28	19.90	81600	74030	99740	90480	1.30	8.0	16.3	
5	1.061	5	0.630	0.31	0.312	11.39	13.05	81010	80490	92830	92230	1.30	8.0	16.3	
6	1.061	5	0.630	0.31	0.312	11.31	12.95	80500	79990	92100	91510	1.30	8.0	16.3	
7	0.668	4	0.500	0.20	0.196	5.86	7.36	64640	65960	81160	82820	1.10	8.0	13.8	
8	0.664	4	0.498	0.20	0.195	5.96	7.21	65760	67450	79470	81510	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Ali Zahid Latif, RE

Test Performed By:

Dr. /Engr.

Nauman Khurram

Nespak-Turk Pak JV Lahore.(Re-Const Of Lod P&D Building Lahore)

Client Reference: 4674/P&D/13/09/AZL/34

SOM Lab

Ref:

3986 (Page-1/1)

Dated: 24-04-2024

Dated:

24-04-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (SJ 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	1.430	6	0.731	0.44	0.420	13.99	17.79	70100	73440	89160	93410	1.30	8.0	16.3	
2	1.441	6	0.734	0.44	0.423	14.24	18.01	71380	74250	90290	93910	1.40	8.0	17.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 6	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

Sub Divisional officer,
 BSD Khushab.(Const of Child Protection Unit at Khushab Distt Khushab)

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

Client Reference: 559/K

SOM Lab

Ref: 3987 (Page-1/1)

Dated: 29-08-2023

Dated: 24-04-2024

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	1.506	6	0.751	0.44	0.443	14.68	18.71	73580	73080	93760	93130	1.30	8.0	16.3	
2	0.672	4	0.501	0.20	0.197	6.52	9.12	71940	73040	100610	102140	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Engr. Haseeb Afzal

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Project Manager HMB Developers Pvt Ltd.(Commercial Tower, FTC Lahore)

Client Reference: HMBDPL/S.O/04/24/101(LHR)

SOM Lab

Ref:

3990(Page-1/3)

Dated: 24-04-2024

Dated:

24-04-2024

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	2.638	8	0.993	0.79	0.775	25.86	35.32	72200	73600	98610	100520	1.50	8.0	18.8	DC#2722
2	2.633	8	0.993	0.79	0.774	25.91	35.29	72340	73840	98520	100560	1.60	8.0	20.0	DC#2722
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

BEND TEST:

# 8	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. Haseeb Afzal

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Project Manager HMB Developers Pvt Ltd.(Commercial Tower, FTC Lahore)

Client Reference: HMBDPL/S.O/04/24/102(LHR)

SOM Lab

Ref:

3990(Page-2/3)

Dated: 24-04-2024

Dated:

24-04-2024

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	1.491	6	0.747	0.44	0.438	13.88	19.32	69590	69910	96830	97270	1.40	8.0	17.5	DC#2704
2	1.491	6	0.747	0.44	0.438	13.97	19.39	70000	70320	97180	97630	1.30	8.0	16.3	DC#2704
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

# 6	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. Haseeb Afzal

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Project Manager HMB Developers Pvt Ltd.(Commercial Tower, FTC Lahore)

Client Reference: HMBDPL/S.O/04/24/103(LHR)

SOM Lab

Ref:

3990(Page-3/3)

Dated: 24-04-2024

Dated:

24-04-2024

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	0.667	4	0.500	0.20	0.196	6.65	8.61	73290	74790	94990	96930	1.30	8.0	16.3	DC#2731
2	0.658	4	0.496	0.20	0.193	6.63	8.41	73070	75720	92740	96100	1.40	8.0	17.5	DC#2731
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Executive Engineer

Test Performed By:

Dr. /Engr. Nauman Khurram

Khairwala Drainage Div Faisalabad.(Const/Rehb of Govt Offices & Residence at Faisalabad)

Client Reference: 837/WD(F)

SOM Lab

Ref: 3991 (Page-1/1)

Dated: 15-04-2024

Dated: 24-04-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Premium Markhor)

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	1.485	6	0.745	0.44	0.436	13.58	19.03	68060	68690	95400	96270	1.20	8.0	15.0	
2	1.481	6	0.744	0.44	0.435	13.35	18.86	66940	67710	94530	95610	1.30	8.0	16.3	
3	0.666	4	0.500	0.20	0.196	6.34	8.97	69920	71350	98920	100940	1.20	8.0	15.0	
4	0.671	4	0.501	0.20	0.197	6.47	9.17	71380	72470	101170	102710	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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