Muhammad Zubair Yousaf **Test Performed By:** **Dr. /Engr.** S. Asad Ali Gillani

Manager Monitoring & Coordination, Shajar Road Ltd.

Client Reference: MMC/SRL/SGRP/89 **Dated:** 27-06-2021

SOM Lab Ref: CED/SOM/4562(Page-1/1) **Dated:** 28-06-2021

Test: Tension Test & Bend Test **Test Specification:** ASTM-A 615

Sample Type: Deformed Bar **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	1.544	16	15.84	201	197	102.20	132.00	508	519	657	671	35.0	200	17.5	
2	1.554	16	15.88	201	198	102.70	132.20	511	519	658	668	32.5	200	16.3	
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BEND TEST:

16mm	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 Tanveer Ahmad (R) **Test Performed By:** **Dr. /Engr.** Nauman Khurram

Resident Engineer-2, ACES, Site Office Sector -H, Multan

Client Reference: ACES-DHAM-DEV-SEC-H-709 **Dated:** 26-06-2021

SOM Lab Ref: CED/SOM/4566 (Page-1/1) **Dated:** 28-06-2021

Test: Tension & Bend Test **Test Specification:** ASTM-A 615

Sample Type: Deformed Bar **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	0.985	12	12.67	113	126	68.50	85.00	606	544	752	675	27.5	200	13.8	
2	0.983	12	12.62	113	125	69.00	83.00	610	552	734	664	25.0	200	12.5	
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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

Emgr Muhammad Usman Shahid Butt **Test Performed By:** **Dr. /Engr.** S. Asad Ali Gillani

Project Engineer, Etimaad Engineering Pvt. Ltd. (Const. of Nimir Power Plant, Sheikhupura)

Client Reference: nil **Dated:** nil

SOM Lab Ref: CED/SOM/4569 (Page-1/1) **Dated:** 28-06-2021

Test: Tension Test **Test Specification:** ASTM-A-615

Sample Type: Deformed Bar **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	3.851	25	25.00	491	491	225.00	322.50	458	459	657	657	40.0	200	20.0	
2	3.852	25	25.00	491	491	222.50	321.20	453	454	654	655	37.5	200	18.8	
3	2.214	20	18.95	314	282	129.50	189.70	412	460	604	673	32.5	200	16.3	
4	2.190	20	18.85	314	279	104.50	161.50	333	375	514	579	37.5	200	18.8	
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BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack
20mm	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples Received and Tested

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

Ali Zahid Latif **Test Performed By:** **Dr. /Engr.** Nauman Khurram

Resident Engineer (Structure) NESPAK (Pvt) Ltd. Lahore

Client Reference: 4047/13/05/AZL/11 **SOM Lab Ref:** 4556(Page-1/1)

Dated: 24-06-2021 **Dated:** 28-06-2021

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	2.661	8	0.998	0.79	0.782	27.08	35.22	75610	76390	98320	99330	1.60	8.0	20.0	
2	2.661	8	0.998	0.79	0.782	27.47	35.09	76700	77480	97950	98960	1.40	8.0	17.5	
3	0.712	4	0.516	0.20	0.209	6.88	9.07	75880	72610	100050	95740	1.20	8.0	15.0	
4	0.711	4	0.516	0.20	0.209	6.93	9.09	76440	73150	100270	95950	1.10	8.0	13.8	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples Received and Tested

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

Ali Zahid Latif **Test Performed By:** **Dr. /Engr.** Nauman Khurram

Resident Engineer (Structure) NESPAK (Pvt) Ltd. Lahore

Client Reference: 4047/13/05/AZL/12 **SOM Lab Ref:** 4557(Page-1/1)

Dated: 24-06-2021 **Dated:** 28-06-2021

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	2.595	8	0.986	0.79	0.763	29.33	35.98	81880	84770	100460	104010	1.50	8.0	18.8	
2	2.600	8	0.986	0.79	0.764	29.41	36.14	82100	84900	100880	104320	1.30	8.0	16.3	
3	0.667	4	0.500	0.20	0.196	7.65	9.28	84310	86030	102290	104380	1.00	8.0	12.5	
4	0.668	4	0.500	0.20	0.196	7.67	9.53	84530	86260	105100	107250	1.10	8.0	13.8	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples Received and Tested

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

Ali Zahid Latif **Test Performed By:** **Dr. /Engr.** Nauman Khurram

Resident Engineer (Structure) NESPAK (Pvt) Ltd. Lahore

Client Reference: 4047/13/05/AZL/10 **SOM Lab Ref:** 4558(Page-1/1)

Dated: 23-06-2021 **Dated:** 28-06-2021

Test: Tension Test & Bend Test **Test Specification:** ASTM-A-615

Gauge Length: 8 inch **Sample Type:** Deformed Bar(FF 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	1.695	6	0.796	0.44	0.498	14.24	21.56	71380	63070	108070	95480	1.30	8.0	16.3	
2	1.696	6	0.796	0.44	0.498	14.22	21.61	71280	62980	108320	95710	1.50	8.0	18.8	
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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

Muhammad Zubair Yousaf **Test Performed By:** **Dr. /Engr.** S. Asad Ali Gillani

Manager Monitoring & Coordination, , Shajar Roads Limted. Lahore

Client Reference: MMC/SRL/SGRP/86 **SOM Lab Ref:** 4561 (Page-1/1)

Dated: 27-06-2021 **Dated:** 28-06-2021

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	0.658	4	0.496	0.20	0.193	6.83	8.61	75320	78050	94990	98430	1.00	8.0	12.5	
2	0.663	4	0.498	0.20	0.195	6.63	8.10	73070	74940	89370	91660	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

Engr. Naveed Sadiq
Resident Engineer, Orbit Housing, Lahore

Test Performed By: **Dr. /Engr.** Nauman Khurram

Client Reference: Nil
Dated: 26-06-2021

SOM Lab Ref: 4563(Page-1/1)
Dated: 28-06-2021

Test: Tension Test & Bend Test
Gauge Length: 8 inch

Test Specification: ASTM-A-615
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	2.601	8	0.986	0.79	0.764	25.94	34.73	72430	74890	96960	100260	1.20	8.0	15.0	
2	2.631	8	0.992	0.79	0.773	25.05	34.45	69920	71460	96190	98300	1.40	8.0	17.5	
3	1.501	6	0.749	0.44	0.441	14.24	19.75	71380	71220	98970	98750	1.20	8.0	15.0	
4	1.507	6	0.751	0.44	0.443	13.63	19.06	68320	67850	95550	94900	1.20	8.0	15.0	
5	0.664	4	0.498	0.20	0.195	6.24	8.84	68800	70560	97460	99960	1.10	8.0	13.8	
6	0.665	4	0.498	0.20	0.195	6.57	8.92	72510	74360	98360	100880	1.20	8.0	15.0	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack
# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Nine Samples Received and Tested

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

Khalid Mehmood Ch. **Test Performed By:** **Dr. /Engr.** S. Asad Ali Gillani

Contrractor's Representative, (NHG) National Heritage Constructors, Lahore

Client Reference: NHC/W-141/9535-17 **SOM Lab Ref:** 4564(Page-1/1)

Dated: 24-06-2021 **Dated:** 28-06-2021

Test: Tension Test & Bend Test **Test Specification:** ASTM-A-615

Gauge Length: 8 inch **Sample Type:** Deformed Bar (Prime 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	2.611	8	0.988	0.79	0.767	23.20	32.79	64770	66710	91550	94300	1.30	8.0	16.3	
2	1.466	6	0.741	0.44	0.431	13.66	19.42	68470	69900	97340	99370	1.50	8.0	18.8	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack
# 6	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

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

AFCO STEEL INSUSTRIES, 21.5KM, Sheikhupura Road, Lahore

Client Reference: nil **SOM Lab Ref:** 4565(Page-1/1)

Dated: 28-06-2021 **Dated:** 28-06-2021

Test: Tension Test & Bend Test **Test Specification:** ASTM-A-615

Gauge Length: 8 inch **Sample Type:** Deformed Bar (AFCO 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	0.652	4	0.494	0.20	0.192	6.19	8.46	68230	71080	93300	97190	1.20	8.0	15.0	
2	0.655	4	0.494	0.20	0.192	6.32	8.58	69700	72600	94650	98590	1.00	8.0	12.5	
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Witnessed By: Imran, AFCO Steel

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

Riaz Construction Company **Test Performed By:** **Dr. /Engr.** S. Asad Ali Gillani

Civil Contractor, 205-A, Block NFC Street 1, Lahore

Client Reference: nil **SOM Lab Ref:** 4567(Page-1/1)

Dated: 28-06-2021 **Dated:** 28-06-2021

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	1.560	6	0.764	0.44	0.458	15.16	20.00	75980	72990	100250	96310	1.10	8.0	13.8	
2	0.657	4	0.496	0.20	0.193	6.32	8.84	69700	72220	97460	100990	1.00	8.0	12.5	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 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

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

Dy. Manager QA/QC, Quaid-E-Azam Business Park, Sheikhupura

Client Reference: QA/QC/QABP/MPC/08 **SOM Lab Ref:** 4568(Page-1/1)

Dated: 24-06-2021 **Dated:** 28-06-2021

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	2.671	8	1.000	0.79	0.785	26.71	36.70	74560	75040	102450	103100	1.20	8.0	15.0	
2	2.680	8	1.002	0.79	0.788	27.95	35.09	78030	78230	97950	98200	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Sub Divisional Officer
Buildings Sub Division No. 12, Lahore

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

Client Reference: 386/SDO12th
Dated: 11-06-2021

SOM Lab Ref: 4570(Page-1/1)
Dated: 28-06-2021

Test: Tension Test
Gauge Length: 8 inch

Test Specification: ASTM-A-615
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	2.606	8	0.988	0.79	0.766	21.73	30.86	60670	62580	86140	88840	1.30	8.0	16.3	
2	2.568	8	0.980	0.79	0.755	21.38	30.33	59680	62450	84660	88590	1.30	8.0	16.3	
3	1.553	6	0.762	0.44	0.456	16.38	20.44	82110	79230	102450	98850	1.30	8.0	16.3	
4	1.549	6	0.761	0.44	0.455	15.80	20.29	79200	76590	101680	98330	1.10	8.0	13.8	
5	0.683	4	0.506	0.20	0.201	7.65	9.89	84310	83890	109040	108490	1.10	8.0	13.8	
6	0.688	4	0.507	0.20	0.202	7.56	9.94	83410	82580	109600	108510	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

--	No Bend test performed

Note:-

Only Six Samples Received and Tested

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

Test Performed By: Dr. Muhammad Yousaf

Engr. Shair Muhammad
Resident Engineer,
M-3, IC Industrial City, Faisalabad

Client Reference: CRE/M3IC/FIC-040/Lab/1227 Dated: 10-06-2021
SOM Laboratory Reference: CED/SOM/4559(Page-1/2) Dated: 28-06-2021
Test: Stiffness Test & Tensile Test,
Sample Type: GRP Pipe (350mm Diameter)

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

(GRP Pipe 350mm)

Total Length = 323 mm, External Diameter = 369 mm, Wall Thickness = 11.0 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)	
5.0%	8.5	1543	1319	31562	No Crack Observed
9.80%	9.8	882	754	18048	Wall Delamination
-	-	-	-	-	-

Tensile Test

Sample Type	Size of Sample (mm)	Ultimate Load (kN)	Ultimate Stress (MPa)
GRP Pipe (350mm)	29.0 x 11.0	9.40	29.467

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

Test Performed By: Dr. Muhammad Yousaf

Engr. Shair Muhammad
Resident Engineer,
M-3, IC Industrial City, Faisalabad

Client Reference: CRE/M3IC/FIC-040/Lab/1227 Dated: 10-06-2021
SOM Laboratory Reference: CED/SOM/4559(Page-2/2) Dated: 28-06-2021
Test: Stiffness Test & Tensile Test,
Sample Type: GRP Pipe (450mm Diameter)

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

(GRP Pipe 450mm)

Total Length = 311mm, External Diameter = 474 mm, Wall Thickness = 12.0 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%	8.5	1247	2290	25128	No Crack Observed
10%	15.2	1203	2209	24242	No Crack Observed
12%	15.8	1073	1972	21635	No Crack Observed
14.44%	17.25	1010	1854	20350	Wall Delamination

*** Note:**

Tensile Test

Sample Type	Size of Sample (mm)	Ultimate Load (kN)	Ultimate Stress (MPa)
GRP Pipe (350mm)	26.0 x 12.0	7.78	24.935

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

Test Performed By: Dr. S. Asad Ali Gillni

Maj. Adnan Khalid ®,
Deputy Director, MTL
Testing of Fibreglass Blind Pipe - Infra Structure Works OF Prism, DHA,
Ph-IX Pkg – 5 - (M/S MAAKSON)

Client Reference: 408/241/E/Lab/93/371 OHWT Dated 23-06-2021
SOM Laboratory Reference: CED/SOM/4560(Page-1/1) Dated 28-06-2021
Test: Stiffness Test, Tensile Test & Hoop Tensile Test
Sample Type: Fiberglass Blind Pipe

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

Total Length = 300 mm, External Diameter = 215 mm, Wall Thickness = 6.0 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%	5.0	1677	285	34083	No Crack Observed

Tensile Test

Sample Type	Size of Sample (mm)	Ultimate Load (kN)	Ultimate Stress (MPa)
Fiberglass Blind Pipe	26.0 x 6.0	27.0	173.07

Hoop Tensile Test (ASTM-D-2290-04)

Sample Size (mm)				Hoop Tensile Load (kN)	Hoop Stress (MPa)
b_1	t_1	b_2	t_2		
6.0	6.7	6.0	6.7	35.5	441.542

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