

Test Performed by: Dr. Syed Asad Ali Gilani

Asst Dir Lab
Naveed Ahmad
DHA Bahawalpur
(Fanoos Chandeliers Chain Testing at Masjid Sector-B)

Client Reference No.: 530/QC/MTL

Dated: 14-06-2024

SOM Lab Ref: CED/SOM/4334 (P-1/1)

Dated: 14-06-2024

Test Type: Load Test

Sample Type: Fanoos Chandeliers Chain

Load Test:

S No	Sample Type	Ultimate Load (kN)	Remarks
1	Fanoos Chandeliers Chain	14.5	Sample breaks at this load
2	Fanoos Chandeliers Chain	6.70	Sample breaks at this load

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

Test Performed by: Dr.S. Asad Ali Gillani

Fazeel Mehmood
Resident Engineer

NESPAK Rawalpindi. (Development of DHA-AWT Land Adyala) (M/S CALCO)

Client Reference No.:4592/103/ DHA-AWT/FM/102/25

Dated: 24-05-2024

SOM Lab Ref: CED/SOM/4335 (P-1/2)

Dated: 14-06-2024

Test Type: Flexural Strength & Crushing Strength Test Standard: ASTM-C-875 - 98

Sample Type: Asbestos Pipes (6 Inches)

Brand: Deluxe

Flexural Load Results

Sample No.	Diameter (mm)		Thickness (mm)	Length of the Tested Sample (unsupported span) (mm)	Flexural Load (kN)
	Outer	Inner			
1	168.0	149.6	9.2	1372	3.0

Crushing Load Results

Sample No.	Diameter (mm)		Thickness (mm)	Length of the Tested Sample (cm)	Crushing Load (kN)
	Outer	Inner			
1	168.0	152.0	8.0	30.0	2.0

Test Performed by: Dr.S. Asad Ali Gillani

Fazeel Mehmood
Resident Engineer

NESPAK Rawalpindi. (Development of DHA-AWT Land Adyala) (M/S Usman)

Client Reference No.:4592/103/ DHA-AWT/FM/102/31

Dated: 06-06-2024

SOM Lab Ref: CED/SOM/4335 (P-2/2)

Dated: 14-06-2024

Test Type: Flexural Strength & Crushing Strength Test **Standard:** ASTM-C-875 - 98

Sample Type: Asbestos Pipes (6 Inches)

Brand: Deluxe

Flexural Load Results

Sample No.	Diameter (mm)		Thickness (mm)	Length of the Tested Sample (unsupported span) (mm)	Flexural Load (kN)
	Outer	Inner			
1	170.0	149.6	10.2	1372	5.2

Crushing Load Results

Sample No.	Diameter (mm)		Thickness (mm)	Length of the Tested Sample (cm)	Crushing Load (kN)
	Outer	Inner			
1	170.0	149.6	10.2	30.0	2.35

Shamshad Hussain Bukhari

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

PM Gorkin-Matiltan Hydropower Project.(Design,Procurement and Const Of 84MW GMHPP)

Client Reference: 7983-86/PM/30/GMHPP/2024

Dated: 08-06-2024

SOM Lab Ref: CED/SOM/4330 (Page-1/1)

Dated: 14-06-2024

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	3.684	25	24.44	452	469	168.50	273.00	372	360	603	583	37.5	200	18.8	
2	3.698	25	24.49	452	471	167.20	272.70	370	355	603	579	37.5	200	18.8	
3	3.580	25	24.10	452	456	161.20	267.50	356	354	591	587	40.0	200	20.0	
4	3.583	25	24.11	452	456	158.70	266.00	351	348	588	583	35.0	200	17.5	
5	2.100	20	18.46	314	268	107.20	178.50	341	401	568	668	35.0	200	17.5	
6	2.095	20	18.43	314	267	107.00	179.50	341	402	571	673	35.0	200	17.5	
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Witnessed By: Muhammad Afzal (ME GMHPP,Kalam Swat)

BEND TEST:

25mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine Samples Received and Tested
25mm	Sample bend through 180 degrees Satisfactorily without any crack	
20mm	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

Ejaz Ul Haq (Civil /44053)
Style Textile (Pvt.) Ltd, Lahore. (Style SAP)

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

Client Reference: Nil
SOM Lab Ref: CED/SOM/4333 (Page-1/2)

Dated: 14-06-2024
Dated: 14-06-2024

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar (Naveena 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	2.490	20	20.09	314	317	167.50	203.70	533	529	648	643	37.5	200	18.8	
2	2.489	20	20.09	314	317	170.20	205.50	542	537	654	649	35.0	200	17.5	
3	2.454	20	19.95	314	313	164.00	201.50	522	525	641	645	37.5	200	18.8	
4	2.452	20	19.94	314	312	164.50	201.70	524	527	642	646	32.5	200	16.3	
5	1.588	16	16.05	201	202	112.70	133.20	561	557	662	659	35.0	200	17.5	
6	1.582	16	16.02	201	202	113.00	133.00	562	561	661	661	30.0	200	15.0	
7	1.581	16	16.01	201	201	111.20	132.00	553	553	657	656	37.5	200	18.8	
8	1.568	16	15.95	201	200	110.00	131.20	547	551	653	657	32.5	200	16.3	
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BEND TEST:

20mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
20mm	Sample bend through 180 degrees Satisfactorily without any crack	
16mm	Sample bend through 180 degrees Satisfactorily without any crack	
16mm	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. Ejaz Ul Haq (Civil /44053)
Style Textile (Pvt.) Ltd, Lahore. (Style SAP, ASE)

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

Client Reference: 1097/02/2024
SOM Lab Ref: CED/SOM/4333 (Page-2/2)

Dated: 13-02-2024

Dated: 14-06-2024

Test: Tension Test & Bend Test

Test Specification: ASTM-A 615

Sample Type: Deformed Bar (Naveena 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	0.883	12	12.00	113	113	66.20	80.20	585	586	709	710	27.5	200	13.8	
2	0.878	12	11.94	113	112	65.20	78.50	576	583	694	702	30.0	200	15.0	
3	0.896	12	12.05	113	114	65.20	77.50	576	572	685	680	25.0	200	12.5	
4	0.894	12	12.04	113	114	63.00	76.20	557	554	674	669	25.0	200	12.5	
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BEND TEST:

12mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples Received and Tested
12mm	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

Saqib Akram, RE

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

NESPAK Lhr.(Const of Rd PCC Streets with Provision of Drainage and Street light at Khaliq Nagar)

Client Reference: 3772/103/LDA-Khaliq Nagar/SA/04/02

SOM Lab

Ref: 4331 (Page-1/1)

Dated: 10-06-2024

Dated: 14-06-2024

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	0.670	4	0.501	0.20	0.197	6.14	8.18	67670	68700	90150	91530	1.10	8.0	13.8	
2	0.659	4	0.497	0.20	0.194	6.80	8.43	74980	77300	92960	95840	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

Muhammad Arfat,RE

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

ACE-Arts (Consultants) UAEET Sambrial,Sialkot.(Estb Of UAEET Sambrial,Sialkot)

Client Reference: ER/UAEET/ACE/ME/2024/23

SOM Lab

Ref: 4332 (Page-1/1)

Dated: 13-06-2024

Dated: 14-06-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Sheikhoo 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	1.513	6	0.753	0.44	0.445	14.24	19.18	71380	70580	96160	95080	1.30	8.0	16.3	H#263-X
2	1.499	6	0.749	0.44	0.441	14.19	18.93	71130	70970	94880	94670	1.40	8.0	17.5	H#263-X
3	0.652	4	0.494	0.20	0.192	6.32	8.48	69700	72600	93530	97420	1.40	8.0	17.5	H#245-X
4	0.652	4	0.494	0.20	0.192	6.39	8.56	70480	73420	94420	98360	1.10	8.0	13.8	H#245-X
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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