

Client Reference No.: 490-Jo3-CO-101

Dated: 05-07-2024

SOM Lab Ref: CED/SOM/4677

Dated: 23-08-2024

Test Type: Load Test of RPC Manhole Cover 24" Diameter

Test Standard: Non-standard test was performed as per requirement of the client [Application of load at the center of the Manhole Cover through circular thick(19.0mm) steel plate of 377mm diameter]

Test Performed by: Dr. Asad Ali Gillani

Resident Engineer
Jers Consultancy (Pvt) Ltd.
Lahore.
(PRSWSSP Pilot Phase Cluster South II Tehsil Shuja Abad Pkg 01)

This is with reference to your above-mentioned letter and SOM receipt No. 4677 dated: 23-08-2024. The sample of RPC Manhole Cover submitted in the Laboratory has been tested and the result is provided below.

Load Test Result

Diameter of Manhole Cover	Average Thickness of Manhole Cover	Maximum Load	Observations/Remarks
635 mm	62.3 mm	13900 kg	Manhole Cover was cracked at this load

Bakhtawar Amin
Memorial Trust Multan.

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

Client Reference: Nil
Dated: 23-08-2024

SOM Lab 4674 (Page-1/1)
Ref: 1/1
Dated: 23-08-2024

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	2.719	8	1.009	0.79	0.799	24.21	37.48	67590	66830	104640	103460	1.30	8.0	16.3	
2	1.632	6	0.782	0.44	0.480	15.75	21.22	78940	72370	106380	97520	1.20	8.0	15.0	
3	0.661	4	0.497	0.20	0.194	5.37	7.46	59240	61070	82290	84830	1.20	8.0	15.0	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

New Metro City

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

ME Mandi Bahauddin.(A Project Of BSM Developers) (New Metro City, Mandi Bahauddin)

Client Reference: NMC/MBD/LAB/74

SOM Lab

4675 (Page-

Ref:

1/1)

Dated: 22-08-2024

Dated:

23-08-2024

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	0.672	4	0.501	0.20	0.197	6.80	8.43	74980	76120	92960	94380	1.20	8.0	15.0	
2	0.667	4	0.500	0.20	0.196	6.83	8.38	75320	76850	92400	94290	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

M-Ashraf Javaid

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Project Incharge Ijaz Cotton Pvt Ltd.(Ijaz Cotton at 34KM Nabi Baksh Derozpur Road Lahore)

Client Reference: KMST/T F Lantor+Beam& O/Head Tank

SOM Lab Ref: 4676 (Page-1/1)

Dated: 19-08-2024

Dated: 23-08-2024

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	2.653	8	0.997	0.79	0.780	24.03	33.59	67080	67940	93770	94970	1.30	8.0	16.3	
2	2.651	8	0.996	0.79	0.779	25.23	34.53	70440	71430	96390	97750	1.20	8.0	15.0	
3	1.466	6	0.741	0.44	0.431	15.31	20.46	76750	78350	102550	104690	1.10	8.0	13.8	
4	1.475	6	0.743	0.44	0.433	15.26	20.80	76490	77730	104230	105920	1.10	8.0	13.8	
5	0.643	4	0.491	0.20	0.189	6.54	8.61	72170	76370	94990	100510	1.00	8.0	12.5	
6	0.645	4	0.492	0.20	0.190	6.83	8.77	75320	79280	96670	101760	1.00	8.0	12.5	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Ubedullah Samo, RE

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

NESPAK PRSWSSP, Darya KHan. (PRSWSSP Darya Khan , Package-I)

Client Reference: 4608/PRSWSSP/RE/DYK/262

SOM Lab 4678 (Page-

Ref: 1/1)

Dated: 07-08-2024

Dated: 23-08-2024

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	2.649	8	0.995	0.79	0.778	25.54	32.67	71290	72390	91210	92620	1.50	8.0	18.8	
2	2.636	8	0.993	0.79	0.775	27.68	35.14	77270	78760	98100	99990	1.40	8.0	17.5	
3	1.498	6	0.748	0.44	0.440	12.61	17.81	63210	63210	89260	89260	1.50	8.0	18.8	
4	1.494	6	0.748	0.44	0.439	12.76	17.91	63970	64120	89780	89980	1.50	8.0	18.8	
5	0.665	4	0.498	0.20	0.195	6.52	8.23	71940	73790	90720	93040	1.20	8.0	15.0	
6	0.661	4	0.497	0.20	0.194	6.49	8.28	71610	73820	91280	94100	1.30	8.0	16.3	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

Pervaiz Ahmad Khan

Test Performed By:

Dr. /Engr. Asad Ali Gillani

RE AZEA Mianwali.(Dualization Of Rd From Account Office Chowk To Railway Line To Rabi Plaza)

Client Reference: AZEA/MWL/LAB/24/076

SOM Lab 4679 (Page-

Ref: 1/1)

Dated: 12-07-2024

Dated: 23-08-2024

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	2.688	8	1.003	0.79	0.790	29.84	36.85	83300	83300	102880	102880	1.30	8.0	16.3	
2	2.684	8	1.002	0.79	0.789	27.08	34.00	75610	75710	94910	95030	1.20	8.0	15.0	
3	1.533	6	0.758	0.44	0.451	14.75	19.03	73940	72130	95400	93070	1.30	8.0	16.3	
4	1.516	6	0.754	0.44	0.446	14.75	18.30	73940	72940	91720	90480	1.30	8.0	16.3	
5	1.036	5	0.622	0.31	0.304	8.66	13.63	61650	62860	96960	98880	1.30	8.0	16.3	
6	1.061	5	0.630	0.31	0.312	9.23	13.83	65630	65210	98410	97780	1.40	8.0	17.5	
7	0.673	4	0.502	0.20	0.198	5.93	9.33	65420	66090	102860	103890	1.00	8.0	12.5	
8	0.673	4	0.502	0.20	0.198	5.78	9.09	63740	64380	100270	101280	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BEND TEST:

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

M. Yasir Kiani, RE

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

JCP NESPAK. (Expansion Of Joint Check Post Wahga, Lahore)

Client Reference: 4749/031/YK/01/44

SOM Lab 4680 (Page-

Ref: 1/1)

Dated: 23-08-2024

Dated: 23-08-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (Markhor 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	2.558	8	0.979	0.79	0.752	23.47	32.21	65510	68820	89930	94470	1.30	8.0	16.3	
2	2.565	8	0.980	0.79	0.754	23.21	32.13	64800	67890	89700	93980	1.30	8.0	16.3	
3	1.494	6	0.748	0.44	0.439	13.58	18.88	68060	68220	94630	94840	1.20	8.0	15.0	
4	1.492	6	0.747	0.44	0.438	14.73	20.29	73830	74170	101680	102140	1.10	8.0	13.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Witnessed By: Faisal Saddiq (Site Inspector, NESPAK)

BEND TEST:

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

Assistant Director (Tech)

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

Anti-Corruption Estb. Dera Ghazi Khan.(Enquiry Bearing No. RE-368/2024)

Client Reference: 155-ADT

SOM Lab

4681 (Page-

Ref:

1/1)

Dated: 10-08-2024

Dated:

23-08-2024

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	0.666	4	0.500	0.20	0.196	3.94	5.76	43510	44390	63510	64810	1.40	8.0	17.5	
2	0.669	4	0.501	0.20	0.197	3.74	5.63	41260	41890	62050	63000	1.50	8.0	18.8	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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

