Client Reference No.: 490-J01-237 **Dated:** 07-05-2025

SOM Lab Ref: CED/SOM/1219 **Dated:** 15-05-2025

Test Type: Load Test of RPC Manhole Cover

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 steel plate of 15 Inches diameter]

Test Performed by: Dr. Asad Ali Gillani

Jers Consultancy (Pvt) Ltd

Lahore.

(PRSWSSP)

This is with reference to your above-mentioned letter and SOM receipt No. 1219 dated: 07-05-2025. 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					
640 mm	640 mm 69.85 mm		The sample was cracked at this load					

Construction Engineer

Test Performed By:

Dr. /Engr.

Ubaid Mughal

Mines Labour Welfare Commissioner Punjab Lhr. (New building For MLW Girls High School Dandot)

SOM Lab

Client Reference: MLW/CE/S-Dandot/33/21/5366 Ref: 1220 (Page-1/1) Dated: 14-05-2025

Dated: 14-05-2025

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

Gauge Length:

8 inch

Deformed Bar

	Dia.		Area		Yield	Ultimate	Yield Stress		Ult. Stress				ے		
S.No.	Weight	Nominal	Calculated	Nominal	Calculated	Load	Load	(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)	Elongation	Gauge Length	%age Elongation	Remarks
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.697	8	1.005	0.79	0.793	20.34	35.80	56780	56560	99950	99570	1.30	8.0	16.3	
2	2.709	8	1.007	0.79	0.796	20.15	35.60	56260	55840	99380	98630	1.50	8.0	18.8	
3	1.361	6	0.714	0.44	0.400	9.84	15.75	49310	54240	78940	86840	1.70	8.0	21.3	
4	1.345	6	0.709	0.44	0.395	9.63	15.34	48290	53790	76900	85660	1.40	8.0	17.5	
5	0.579	4	0.465	0.20	0.170	4.76	7.39	52500	61760	81500	95880	1.30	8.0	16.3	
6	0.578	4	0.465	0.20	0.170	4.74	7.29	52270	61500	80370	94560	1.30	8.0	16.3	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:-
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 4	Sample bend through 180 degrees Satisfactorily without any crack	Only Nine Samples
		Received and Tested

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

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

MP INDIGO Signature Apartments Lahore.

SOM Lab

 Client Reference:
 Nil
 Ref:
 1221 (Page-1/1)

 Dated:
 14-05-2025
 Dated:
 15-05-2025

Test:Tension Test & Bend TestTest Specification:ASTM-A-615Gauge Length:8 inchSample Type:Deformed Bar

	Dia.		Area		Yield	Ultimate	Yield	Stress	Ult. Stress				Ē		
S.No.	Weight	Nominal	Calculated	Nominal	Calculated	Load	Load	(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)	Elongation	Gauge Length	%age Elongation	Remarks
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.689	8	1.003	0.79	0.790	23.52	37.02	65650	65650	103360	103360	1.50	8.0	18.8	
2	2.666	8	0.998	0.79	0.783	23.62	37.64	65940	66530	105070	106010	1.40	8.0	17.5	
3	1.494	6	0.748	0.44	0.439	12.18	19.64	61060	61200	98460	98690	1.30	8.0	16.3	
4	1.487	6	0.746	0.44	0.437	12.54	20.18	62850	63280	101170	101860	1.40	8.0	17.5	
5	0.664	4	0.498	0.20	0.195	5.46	8.18	60250	61800	90150	92460	1.20	8.0	15.0	
6	0.666	4	0.500	0.20	0.196	5.45	8.21	60140	61370	90490	92340	1.10	8.0	13.8	
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Note: Please always confirm the results of above report on web www.uet-civil.edu.pk