

**Client Reference No.:** 490-J01-237

**SOM Lab Ref:** CED/SOM/1219

**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

**Dated:** 07-05-2025

**Dated:** 15-05-2025

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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	69.85 mm	15800 kg	The sample was cracked at this load



Muhammad Shafeeq  
MP INDIGO Signature Apartments Lahore.

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

**Client Reference:** Nil  
**Dated:** 14-05-2025

**SOM Lab**  
**Ref:** 1221 (Page-1/1)  
**Dated:** 15-05-2025

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

<b>Test Specification:</b>	ASTM-A-615
<b>Sample Type:</b>	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 <sup>2</sup>	in <sup>2</sup>	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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<b><u>BEND TEST:</u></b>															
# 8	Sample bend through 180 degrees Satisfactorily without any crack										<b>Note:-</b>  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 <a href="http://www.uet-civil.edu.pk">www.uet-civil.edu.pk</a>															