

Client Reference No.: Nill

Dated: 22-01-2024

SOM Lab Ref: CED/SOM/3537

Dated: 22-01-2024

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" diameter]

Test Performed by: Dr. Asad Ali Gillani

IQBAL AND SONS,
Construction Company
House # 161 Block B Al-Rehman Garden Phase 2 Sharaqpur road Lahore.

This is with reference to your above-mentioned letter and SOM receipt No. 3378 dated: 19-12-2023. 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
644 mm	77.8mm	9900 kg	The sample was cracked and exhibited high brittleness.

Waqas Ahmed Ghumman

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

PM High-Q Constructions Lhr.(Const Of High-Q Mall at 3-A Gulberg II Lahore)

Client Reference: QC/HQ/CIVIL/176

Dated

: 22-01-2024

SOM Lab Ref: CED/SOM/3540(Page-1/1)

Dated

: 22-01-2024

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	m	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.869	25	25.05	491	493	245.50	334.70	500	498	682	679	35.0	200	17.5	
2	3.965	25	25.36	491	505	242.20	335.00	493	480	682	664	32.5	200	16.3	
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BEND TEST:

25mm	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. Major Zia-Ul-Islam ®

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

PD GCC,Overseas Const.Co, Lahore.(Project Gulberg City Cerntre, Lahore)

Client Reference: OCC/Steel/53

SOM Lab

Ref:

3535 (Page-1/1)

Dated: 22-01-2024

Dated:

22-01-2024

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 inch

Sample Type:

Deformed Bar (AF 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	1.496	6	0.748	0.44	0.440	13.99	19.42	70100	70100	97340	97340	1.40	8.0	17.5	
2	0.660	4	0.497	0.20	0.194	5.68	8.18	62610	64550	90150	92940	1.20	8.0	15.0	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Four 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

Engr. Muhammad Waleed

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

DE ATIQ ASSOCIATES.(Ijaz Cotton (Pvt) Ltd.at 34KM Kot Nabi Buksh Lahore)

Client Reference: A.A/U.E.T/C.E.D/01/2024

SOM Lab

Ref: 3536 (Page-1/1)

Dated: 19-01-2024

Dated: 22-01-2024

Test: Tension Test & Bend Test

Test Specification: ASTM-A-615

Gauge Length: 8 inch

Sample Type: Deformed Bar

ASTM-A-615

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	2.678	8	1.001	0.79	0.787	24.72	35.22	69010	69280	98320	98700	1.60	8.0	20.0	
2	2.665	8	0.998	0.79	0.783	24.92	35.27	69580	70200	98470	99350	1.50	8.0	18.8	
3	1.502	6	0.749	0.44	0.441	14.42	20.71	72300	72140	103830	103590	1.20	8.0	15.0	
4	1.498	6	0.748	0.44	0.440	14.39	20.69	72150	72150	103720	103720	1.40	8.0	17.5	
5	0.664	4	0.498	0.20	0.195	6.35	8.69	70030	71830	95770	98230	1.30	8.0	16.3	
6	0.667	4	0.500	0.20	0.196	6.22	8.18	68570	69970	90150	91990	1.40	8.0	17.5	
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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

Yasir Ahmad
GM-Works FF Steel Lahore.

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

Client Reference: Nil

SOM Lab

Ref: 3538 (Page-1/1)

Dated: 12-01-2024

Dated: 22-01-2024

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	1.029	5	0.620	0.31	0.302	10.14	13.93	72160	74070	99140	101760	1.50	8.0	18.8	1
2	1.026	5	0.620	0.31	0.302	9.84	13.73	69990	71840	97690	100280	1.40	8.0	17.5	2
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BEND TEST:

--	No Bend test performed	Note:- Only Two Samples Received and Tested

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

Tawasul Developers (Pvt) Ltd
Lahore (Creek Tower 6-D Upper Mall Lahore)

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

Client Reference: Nil

SOM Lab

Ref: 3539 (Page-1/1)

Dated: 22-01-2024

Dated: 22-01-2024

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	2.633	8	0.993	0.79	0.774	26.10	33.94	72850	74360	94770	96730	1.60	8.0	20.0	
2	2.645	8	0.995	0.79	0.777	25.89	33.71	72290	73490	94110	95690	1.40	8.0	17.5	
3	1.499	6	0.749	0.44	0.441	15.29	19.90	76640	76470	99740	99510	1.20	8.0	15.0	
4	1.501	6	0.749	0.44	0.441	15.21	19.93	76240	76060	99890	99670	1.40	8.0	17.5	
5	0.667	4	0.500	0.20	0.196	6.22	8.15	68570	69970	89930	91760	1.50	8.0	18.8	
6	0.668	4	0.500	0.20	0.196	6.29	8.18	69360	70770	90150	91990	1.40	8.0	17.5	
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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

Muhammad Azmat ,RE

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

Nespak-Turk Pak JV, MCH Bwn.(Estb Of 200 Bedded Mother And Child Hospital & Nursing College)

Client Reference: 4460/13/MA/04/345

SOM Lab

Ref: 3541 (Page-1/1)

Dated: 20-01-2024

Dated: 22-01-2024

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	2.664	8	0.998	0.79	0.783	24.95	33.40	69670	70290	93260	94090	1.40	8.0	17.5	
2	2.668	8	0.999	0.79	0.784	24.69	32.95	68930	69450	91980	92680	1.30	8.0	16.3	
3	1.495	6	0.748	0.44	0.439	15.62	19.95	78280	78460	99990	100220	1.30	8.0	16.3	
4	1.492	6	0.747	0.44	0.438	15.62	20.03	78280	78640	100400	100860	1.50	8.0	18.8	
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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	

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

Engr. M.Shahjahan

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

RE IDAP.(Infra On EPC/Turnkey Basis For PPIC3 Control and Communication Gujranwala)

Client Reference: PPIC3-GUJ/IDAP/2024/0001

SOM Lab

Ref: 3542(Page-1/1)

Dated: 15-01-2024

Dated: 22-01-2024

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	1.046	5	0.625	0.31	0.307	11.08	13.83	78830	79600	98410	99370	1.30	8.0	16.3	Naveena
2	1.064	5	0.631	0.31	0.313	11.03	13.83	78470	77720	98410	97470	1.50	8.0	18.8	Naveena
3	0.584	4	0.468	0.20	0.172	5.32	7.77	58680	68230	85660	99600	1.20	8.0	15.0	Moiz
4	0.582	4	0.467	0.20	0.171	5.35	7.82	59020	69030	86220	100840	1.30	8.0	16.3	Moiz
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BEND TEST:

# 5	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