

Client Reference No.: 3043/50Q/MSB/108/1000

SOM Lab Ref: CED/SOM/1260

Test Type: Load Test of Cast Iron Manhole Cover 600mm Diameter (Manufactured by Teepu Engineering Company)

Specification: BS EN 124, Class A015

Test Performed by: Dr. Asad Ali Gillani

Dated: 13-05-2025

Dated: 21-05-2025

Muhammad Saud Barakzai

Engineer`s Representative

NESAPK Lahore.

(Expansion of Terminal Building and Allied Facilities at AIAP, Lahore)

This is with reference to your above-mentioned letter and SOM receipt No. 1260 dated: 21-05-2025. The sample of Cast Iron Manhole Cover submitted in the Laboratory has been tested and the result is provided below.

Load Test Result

Diameter of Manhole	Proof Load	Observations/Remarks
600 mm	15 kN	Sample remains satisfied at this proof load without cracking

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

Kashif Shahzad
Manager Technical Gharibwal Cement Ltd.Lahore

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

Client Reference: GCL/Purchase/UET/005

SOM Lab Ref: CED/SOM/1254 (Page-1/2)

Test: Tension Test & Bend Test

Sample Type: Deformed Bar

Dated: 19-05-2025

Dated: 21-05-2025

Test Specification: ASTM-A 615

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	2.447	20	19.93	314	312	134.50	217.20	428	432	691	697	30.0	200	15.0	
2	2.445	20	19.91	314	311	135.00	217.50	430	434	692	699	35.0	200	17.5	
3	1.475	16	15.47	201	188	80.50	131.20	400	429	653	699	25.0	200	12.5	
4	1.469	16	15.44	201	187	80.20	131.50	399	429	654	703	25.0	200	12.5	
5	1.481	16	15.50	201	189	87.20	139.70	434	463	695	741	25.0	200	12.5	
6	1.534	16	15.77	201	195	94.20	152.00	469	483	756	778	27.5	200	13.8	
7	0.849	12	11.74	113	108	45.70	71.50	404	423	632	661	27.5	200	13.8	
8	0.873	12	11.90	113	111	47.20	73.20	417	425	647	659	27.5	200	13.8	
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BEND TEST:

20mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
16mm	Sample bend through 180 degrees Satisfactorily without any crack	
16mm	Sample bend through 180 degrees Satisfactorily without any crack	
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

Muhammad Fida

RE HA Consulting Lahore.(Const Of Parkong Plaza NASTP Phase-03,Lahore)

Test Performed By:

Dr. /Engr.

Nauman Khurram

Client Reference: 24/HAC/NASTP/1405

SOM Lab Ref: CED/SOM/1259 (Page-1/1)

Test: Tension Test & Bend Test

Sample Type: J-Bolt (M24)

Dated: May 2025

Dated: 21-05-2025

Test Specification: ASTM-F 1554

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	3.516	24	23.88	452	448	181.50	257.70	401	406	570	576	30.0	200	15.0	
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BEND TEST:															
--	No Bend test performed									Note:- Only One Sample Received and Tested					
Note: Please always confirm the results of above report on web www.uet-civil.edu.pk															

EDDCO Construction (Pvt) Ltd.Const Of Commercial Plaza DHA Plot # 48,Sec.BWD Ph.8C)

SOM Lab

Ref: 1255 (Page-1/1)

Dated: 21-05-2025

Test Specification: ASTM-A-615

Sample Type: Deformed Bar (Batala 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	1.481	6	0.744	0.44	0.435	13.86	19.08	69490	70290	95650	96750	1.20	8.0	15.0	
2	1.465	6	0.741	0.44	0.431	13.88	18.96	69590	71050	95040	97020	1.10	8.0	13.8	
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<u>BEND TEST:</u>															
# 6	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															

Saif Ullah, Admin Manager

Test Performed By:

Dr. /Engr.

Nauman Khurram

Linker Developers (Pvt) Ltd.(Construction Of Residential House No.436a Phase 8)

Client Reference: Linker/05/25/015

Dated: 20-05-2025

Test: Tension Test & Bend Test

Gauge Length: 8 inch

SOM Lab

Ref: 1256(Page-1/1)

Dated: 21-05-2024

ASTM-A-615

Test Specification:

Sample Type: Deformed Bar (Markhor Steel)

[illegible]

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

Manzoor Ahmad Joya, RE

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

NesPak ,SKP.(Estb Of Labour Colony at Quaid-E-Azam Business Park M2-Motorway Sheikhpora)

Client Reference: 3844/311/RE/120

Dated: 06-05-2025

Test: Tension Test & Bend Test

Gauge Length: 8 inch

SOM Lab

Ref:

1258 (Page-1/1)

Dated:

21-05-2025

Test Specification:

ASTM-A-615

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	1.497	6	0.748	0.44	0.440	13.51	19.39	67700	67700	97180	97180	1.20	8.0	15.0	
2	1.465	6	0.741	0.44	0.431	13.53	19.44	67810	69220	97440	99470	1.30	8.0	16.3	
3	0.652	4	0.494	0.20	0.192	6.27	8.56	69130	72010	94420	98360	1.30	8.0	16.3	
4	0.656	4	0.496	0.20	0.193	6.34	8.58	69920	72460	94650	98080	1.20	8.0	15.0	
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Witnessed By:				Hamza Nasar											
<u>BEND TEST:</u>															
# 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															

NESPAK ADP WASA, Lhr.(Rainwater Management-Drainage Arrangement For Sore Point at Sharif Park)

SOM Lab

Ref: 1261 (Page-1/1)

Dated: 21-05-2025

Test Specification: ASTM-A-615

Sample Type: Deformed Bar (Markhor Steel)

<u>BEND TEST:</u>		
# 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		

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