Sana Miraj (Lead Engineer)
Building Standards Ltd Lahore.

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

Client Reference: BS/250822-024
Dated: 22-08-2025

SOM Lab Ref: 1678 (Page-1/2)
Dated: 25-08-2025

Test: Tension Test
Guage Length: 200 mm

Test Specification: ASTM-A-615
Sample Type: MS 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)				
	kg/m	mm	mm	mm^2	mm^2	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	0.990	12	12.67	113	126	57.00	85.00	504	453	752	675	32.5	200	16.3	
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BEND TEST:

12mm	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Two Samples Received and Tested

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

Sana Miraj (Lead Engineer)
Building Standards Ltd Lahore.

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

Client Reference: BS/250822-025
Dated: 22-08-2025

SOM Lab Ref: 1678 (Page-2/2)
Dated: 25-08-2025

Test: Tension Test
Guage Length: 200 mm

Test Specification: ASTM-A-615
Sample Type: MS 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)				
	kg/m	mm	mm	mm^2	mm^2	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	2.233	20	19.02	314	284	137.20	218.20	437	484	695	769	32.5	200	16.3	
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BEND TEST:

20mm	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Two Samples Received and Tested

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

Client Reference No.: 4084/103/LDP/Ravi/04/669 **Dated:** 05-08-2025

SOM Lab Ref: CED/SOM/1683 **Dated:** 25-08-2025

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 Inch diameter]

Test Performed by: Dr. Asad Ali Gillani

Syed Mubashar Hassan Naqvi

Resident Engineer

NESPAK (Pvt.) Ltd

(Rehb/Improvement of Street Pavement, Sewerage/Drainage, Patch Work Different Areas UC 11,12, to 14 to 23 & 25 Ravi Zone MCL)

This is with reference to your above-mentioned letter and SOM receipt No.1683 dated: 25-08-2025. The sample of RPC Manhole Cover submitted in the Laboratory has been tested and the result is provided below.

Load Test Result

Weight of Manhole Cover With Ring	Diameter of Manhole Cover	Average Thickness of Manhole Cover	Maximum Load	Observations/Remarks
47.90 Kg	643 mm	76.0 mm	9800 kg	The sample was cracked at this load

Engr. M. Taisif

Project Manager-Civil Zubair Grain Products Pvt. Ltd, Sahiwal.

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

Client Reference: Nil

Dated: 25-08-2025

SOM Lab Ref: 1679 (P-1/1)

Dated: 25-08-2025

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	2.551	8	0.977	0.79	0.750	30.22	37.28	84380	88880	104070	109620	1.20	8.0	15.0	
2	2.545	8	0.976	0.79	0.748	30.38	37.18	84810	89570	103790	109610	1.30	8.0	16.3	
3	1.501	6	0.749	0.44	0.441	16.46	20.39	82520	82330	102190	101960	1.40	8.0	17.5	
4	1.501	6	0.749	0.44	0.441	16.46	20.36	82520	82330	102040	101810	1.40	8.0	17.5	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack
# 6	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples Received and Tested

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

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

Civil Engr ALKA (Pvt) Ltd.Faisalabad.(Project ALKA Pvt Ltd FIEDMC Faisalabad)

Client Reference: Nil **SOM Lab Ref:** 1680 (P-1/1)

Dated: 19-08-2025 **Dated:** 25-08-2025

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	2.631	8	0.992	0.79	0.773	32.48	39.98	90670	92660	111610	114070	1.40	8.0	17.5	
2	2.617	8	0.990	0.79	0.769	32.52	39.76	90780	93260	110990	114020	1.20	8.0	15.0	
3	1.517	6	0.754	0.44	0.446	16.41	20.49	82260	81160	102700	101320	1.10	8.0	13.8	
4	1.513	6	0.753	0.44	0.445	16.72	20.61	83800	82860	103310	102150	1.20	8.0	15.0	
5	0.663	4	0.498	0.20	0.195	6.73	8.31	74190	76090	91610	93960	1.00	8.0	12.5	
6	0.657	4	0.496	0.20	0.193	6.01	7.72	66320	68730	85100	88180	1.10	8.0	13.8	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack
# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Nine Samples Received and Tested

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

M.Usman Rauf, RE **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

NESPAK Lhr.(Restoration/Impro Of road from Imam Bargah Chowk Pattoki to Chunian Ellahabad road Mirkot Minor)

Client Reference: 4084/103/MUR/104/75 **SOM Lab Ref:** 1681 (Page-1/2)

Dated: 20-06-2025 **Dated:** 25-08-2025

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

Gauge Length: 8 inch **Sample Type:** Pain Bar (Dowel Bars)

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	25.05	34.73	69920	70550	96960	97820	1.00	8.0	12.5	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Two Samples Received and Tested

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

M.Usman Rauf, RE **Test Performed By:** **Dr. /Engr.** Asad Ali Gillani

NESPAK Lhr.(Restoration/Impro Of road from Imam Bargah Chowk Pattoki to Chunian Ellahabad road Mirkot Minor)

Client Reference: 4084/103/MUR/104/74 **SOM Lab Ref:** 1681 (Page-2/2)

Dated: 20-06-2025 **Dated:** 25-08-2025

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	0.663	4	0.498	0.20	0.195	6.19	9.38	68230	69980	103420	106070	1.40	8.0	17.5	
2	0.667	4	0.500	0.20	0.196	6.19	9.35	68230	69630	103080	105180	1.20	8.0	15.0	
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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

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

Project Manager Orbit Developers.Lahore.(The Springs Atrium,Gulberg Lahore)

Client Reference: Nil **SOM Lab Ref:** 1682 (Page-1/1)

Dated: 25-08-2025 **Dated:** 25-08-2025

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	1.477	6	0.743	0.44	0.434	15.90	20.59	79710	80810	103210	104640	1.40	8.0	17.5	
2	1.455	6	0.738	0.44	0.428	14.95	19.13	74960	77060	95910	98600	1.40	8.0	17.5	
3	0.662	4	0.498	0.20	0.195	7.82	9.68	86220	88430	106790	109530	1.10	8.0	13.8	
4	0.662	4	0.498	0.20	0.195	7.26	9.40	80040	82090	103640	106300	1.20	8.0	15.0	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples Received and Tested

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

Asim Mushtaq
GM Factory Master Offisys (Pvt) Ltd. Lahore.

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

Client Reference: PEMH05-11
Dated: 25-08-2025

SOM Lab Ref: 1684 (Page-1/1)
Dated: 25-08-2025

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	0.655	4	0.494	0.20	0.192	7.39	9.23	81500	84890	101730	105970	1.10	8.0	13.8	
2	0.655	4	0.494	0.20	0.192	7.19	9.07	79250	82550	100050	104210	1.20	8.0	15.0	
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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

Engineer Muhammad Irfan
Dy Dir Infra. DHA Gujranwala.(OHWT and RCC SWD)

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

Client Reference: 111/DD/Lab/D/351
Dated: Aug 2025

SOM Lab Ref: 1685 (Page-1/1)
Dated: 25-08-2025

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	1.503	6	0.750	0.44	0.442	15.09	19.22	75620	75280	96320	95880	1.10	8.0	13.8	
2	1.503	6	0.750	0.44	0.442	15.01	19.34	75210	74870	96930	96490	1.30	8.0	16.3	
3	0.660	4	0.497	0.20	0.194	6.95	8.26	76660	79040	91050	93870	1.40	8.0	17.5	
4	0.685	4	0.506	0.20	0.201	7.77	9.35	85660	85230	103080	102570	1.00	8.0	12.5	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack
# 4	Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Six Samples Received and Tested

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

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

MP Project Ittefaq Building Solution Pvt Ltd.(Haider Saeed Commercial,Lahore)

Client Reference: Nil **SOM Lab Ref:** 1686(Page-1/1)

Dated: 25-08-2025 **Dated:** 25-08-2025

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	0.659	4	0.497	0.20	0.194	6.88	9.02	75880	78220	99480	102560	1.10	8.0	13.8	
2	0.653	4	0.494	0.20	0.192	6.54	8.74	72170	75180	96340	100350	1.20	8.0	15.0	
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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

Muhammad Farooq Awan
PM AAA Partnership Pvt. Ltd.(JDW Tower Lahore)

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

Client Reference: AAA/SO/MFA1/118/2025
Dated: 25-08-2025

SOM Lab Ref: 1687 (Page-1/1)
Dated: 25-08-2025

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	0.666	4	0.500	0.20	0.196	6.22	8.31	68570	69970	91610	93480	1.50	8.0	18.8	
2	0.664	4	0.498	0.20	0.195	6.12	8.23	67450	69180	90720	93040	1.30	8.0	16.3	
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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