

Contents

1. Municipal Solid Waste Management (MSWM) in Sri Lanka.....	1
1.1 Introduction	1
1.2 Defining Municipal Solid Waste Management	1
1.2 Municipal Solid Waste Management in Sri Lanka	10
1.3 Research Methodology	12
1.3.1 Types of data	12
2. The Institutional Architecture of MSWM in Sri Lanka	17
2.1 Introduction	17
2.2 Municipal Solid Waste Management Architecture in Sri Lanka	17
2.3 National Level Institutions	18
2.3.1 Ministry of Local Government and Provincial Councils	18
2.3.2 Ministry of Environment.....	23
2.3.3 Ministry of Mega-polis and Western Province Development...	29
2.3.4 Ministry of Health	33
2.3.5 Ministry of Defense	34
2.4 Provincial Institutions.....	36
2.4.1 Introduction to Provincial Councils (PCs)	36
2.4.2 Provincial Councils and MSWM	37
2.4.3 Waste Management Authority of Western Province	39
2.5 Local Councils.....	43
2.5.2 Local Councils and MSWM.....	44
3. Regulation and Policies of MSWM in Sri Lanka.....	53
3.1 Introduction	53
3.2 National level regulations.....	53
3.2.1 Nuisance Ordinance No. 62 of 1939	53
3.2.2 National Environmental Act No. 47 of 1980	55

3.3 Local level regulations	65
3.3.1 Urban Council Ordinance No. 61 of 1939	65
3.3.2 Municipal Councils Ordinances No. 16 of 1947	67
3.3.3 Pradeshiya Sabha Act No. 15 of 1987	69
4. National Action Plan on Plastic Waste Management 2021-2030	76
3.5 Role of Pressure Groups in Influencing MSWM in Sri Lanka	77
3.5.1 Academics	77
3.5.2 Religious leaders	78
3.5.3 Youth protesters	80
3.5.4 International and local non-governmental organizations	81
3.5.5 Civil movements	83
3.5.6 Mass Media	85
4. Discourses on MSWM in Sri Lanka	88
4.1 Introduction	88
4.2 MSWM Discourse Emanating from Secondary Sources	88
4.2.1 The Nuisance Narrative	90
4.2.2 Environmental Protection Narrative	92
4.2.3 Sustainability Narrative	95
4.3 MSWM Narratives Emerging from In-depth Interviews	96
4.3.1 Narratives of National and Provincial Level Officers	96
4.3.2 Narratives of Local-level Officials	100
4.3.3 MSW as a Nuisance to the Beautification of the City	102
4.4 Impact of the Meethotamulla Disaster	104
4.5 Conclusion	106
5. Collapse of the Meethotamulla Waste Dumping Site and its Impact on Solid Waste Management in Sri Lanka	107
5.1 Introduction	107
5.2 History of the Meethotamulla waste dumping site	107

5.3 Collapse of the Meethotamulla Dumping Site.....	108
5.4 Causes for the Collapse of the Dump Site	109
5.5 Key impacts of the collapse of Meethotamulla dump site on MSWM in Sri Lanka	111
5.6 Conclusion.....	113
6. Municipal Solid Waste Management in Dehiwala-Mt. Lavinia Municipal Council & Boralesgamuwa Urban Council	114
6.1. Introduction	114
6.2 Dehiwala-Mt. Lavinia Municipal Council.....	114
6.3 Current Status of Waste Management	115
6.3.1 Waste collection.....	115
6.3.2 Intermediate treatment	118
6.3.4 Challenges.....	118
6.4 Boralesgamuwa Urban Council.....	120
6.4.1 Waste Management Initiatives	123
6.4.2 Workforce	124
6.4.3 Challenges.....	126
6.5 Informal Waste Management Sector	128
6.6 Relations between informal waste traders and local councils5 ...	131
6.7 Challenges Experienced by Informal Waste Workers	134
6.8 Conclusion.....	137
7. Conclusion	138
References	141

List of tables

Table 1.1: MSW sources, generators and types of MSW in Asia.....	02
Table 1.2: Sample size.....	14

List of figures

Figure 2.1: Organization of provincial council administration.....	37
Figure 2.2: Organization of Waste Management Authority of the Western Province.....	41
Figure 2.3: Organization of MSWM infrastructure in Sri Lanka.....	46
Figure 6.1: Structure of the Dehiwala - Mt. Lavinia MC	117
Figure 6.2: Structure of the SWMEPSC of BUC.....	121

List of Maps

Map 6.1: Dehiwala –Mt.Lavinia Municipality Map	117
Map 6.2: Boralessgamuwa Urban Council Area Map	121

List of Images

Image 2.1 Aruwakkalu sanitary landfill	31
Image 5.1 Areal view of the collapsed Meethotamulla dump site	109