

TABLE OF CONTENTS			
Sl. No.	Contents	Paragraph	Page No.
1.	Preface		iii
2.	Executive Summary		v
Chapter-1: Introduction			
3.	Solid Waste Management in Urban Local Bodies	1.1	1
4.	Hierarchy and Process of waste management	1.2	1
5.	Regulatory framework governing management of Waste	1.3	3
6.	Municipal Solid Waste in Uttarakhand	1.4	4
7.	Administrative control and monitoring of Solid Waste Management	1.4.1	4
8.	Organisational set up	1.4.2	5
9.	Funding for Urban Local Bodies	1.5	5
10.	Sources of funds	1.5.1	6
11.	Expenditure on SWM against total available funds	1.5.2	6
12.	Audit Framework	1.6	7
13.	Audit Objectives	1.6.1	7
14.	Scope and Methodology of Audit	1.6.2	7
15.	Audit Criteria	1.6.3	7
16.	Sampling	1.6.4	8
17.	Acknowledgement	1.7	8
18.	Structure of the report	1.8	9
Chapter-2: Planning and Operationalization of Projects under Solid Waste Management (SWM) in Urban Local Bodies (ULBs)			
19.	Municipal Solid Waste Management (MSWM) and Contingency Plans	2.1	12
20.	MSWM Plan	2.1.1	12
21.	Contingency Plan	2.1.2	12
22.	Data regarding generation, collection and disposal of Domestic Hazardous Waste not maintained	2.2	14
23.	Management of Construction & Demolition (C&D) Waste	2.3	14
24.	Framing of Byelaws	2.4	15
25.	Shortcomings in the preparation of DPRs	2.5	16
26.	Ineffective Baseline waste analysis	2.5.1	16
27.	Doubtful conduct of Waste Analysis	2.5.2	16
28.	Duplication of critical parameters in DPRs	2.5.3	17
29.	Photograph of one ULB was used for another ULB (Description of the Environment)	2.5.4	18
30.	Status of Projects against approved DPRs	2.5.5	18
31.	Case studies of DPRs of test checked ULBs	2.5.6	19
32.	Poor achievement against timelines in creation of infrastructure projects	2.6	20
33.	Bioremediation/Capping of old and abandoned waste dump sites	2.7	23
34.	Recommendations	2.8	24

Chapter-3: Collection, Segregation, Storage, Transportation and Disposal of Municipal Solid Waste			
35.	Collection of Municipal Solid Waste	3.1	25
36.	Door-to-door collection of Solid Waste	3.1.1	26
37.	Personal protection equipment not used by workers handling solid waste	3.1.2	28
38.	No system established for inclusion of Informal waste workers	3.1.3	29
39.	Segregation of Municipal Solid Waste	3.2	30
40.	Storage of Municipal Solid Waste	3.3	31
41.	Establishment of Transfer stations	3.3.1	31
42.	Unavailability of Sanitary Landfill sites resulted in Municipal Solid Waste stored at Open Dumping sites	3.3.2	33
43.	Inefficient collection of MSW resulted into dumping at roadside	3.3.3	35
44.	Transportation of Municipal Solid Waste	3.4	36
45.	Uncovered vehicles used for transportation of MSW	3.4.1	36
46.	Use of transportation vehicles without authorisation	3.4.2	37
47.	Monitoring of transportation vehicles	3.4.3	37
48.	Disposal of Municipal Solid Waste	3.5	38
49.	Construction, operation and maintenance of Sanitary Landfill Site	3.5.1	38
50.	Targets and achievement against Service Level Benchmarks (SLBs)	3.6	40
51.	Recommendations	3.7	44
Chapter-4: Monitoring and evaluation of Solid Waste Management System			
52.	Inactive approach of Pollution Control Board regarding review of implementation of SWM Rules 2016	4.1	45
53.	Regional Offices, Pollution Control Board ignorant of the inter state movement of waste	4.1.1	48
54.	Uttarakhand Pollution Control Board's directions not complied by the Private Concessionaire	4.1.2	48
55.	Submission of incomplete Annual Reports to CPCB	4.1.3	49
56.	Complaint Redressal System	4.2	50
57.	Initiatives for promoting Public Awareness through Information, Education and Communication (IEC)	4.3	51
58.	Deficiency in the post of Supervisory level resulted in weakness in monitoring and evaluation processes	4.4	52
59.	Recommendations	4.5	52
Appendices			
Appendix-1.1	Processing Technologies		55
Appendix-1.2	Details of allotment and expenditure in test checked ULBs		59
Appendix-2.1	Contingency Plan not prepared		60
Appendix-2.2	Status of project work in test checked ULBs		61